73 F&B

JULIUS LEE PE.

RE: 422674 - ADAM'S FRAMING - LASTAS RES.

1109 COASTAL BAY BLVD,
BOYNTON BEACH, FL 33435

Site Information:
Project Customer: ADAM'S FRAMING Project Name: 422674 Model: LASTAS RES.
Lot/Block: 14 Subdivision: Rolling Meadows
Address:
City: COLUMBIA CTY State: FL

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

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: ADAM R. PAPKA License #: CBC1253409
Address: P.O. BOX 1921
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 46 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	I5570216	EJ4G	6/6/012	18	I5570233	T05	6/6/012
2	I5570217	FG1	6/6/012	19	I5570234	T06	6/6/012
3	I5570218	PB01	6/6/012	20	I5570235	T07	6/6/012
4	I5570219	PB02	6/6/012	21	I5570236	T08	6/6/012
5	I5570220	PB03	6/6/012	22	I5570237	T09	6/6/012
6	I5570221	PB03G	6/6/012	23	I5570238	T10	6/6/012
7	I5570222	PB04	6/6/012	24	I5570239	T11	6/6/012
8	I5570223	PB05	6/6/012	25	I5570240	T11G	6/6/012
9	I5570224	PB06	6/6/012	26	I5570241	T12	6/6/012
10	I5570225	PB06G	6/6/012	27	I5570242	T13	6/6/012
11	I5570226	T01	6/6/012	28	I5570243	T13G	6/6/012
12	I5570227	T01G	6/6/012	29	I5570244	T14	6/6/012
13	I5570228	T02	6/6/012	30	I5570245	T14G	6/6/012
14	I5570229	T02G	6/6/012	31	I5570246	T15	6/6/012
15	I5570230	T03	6/6/012	32	I5570247	T16	6/6/012
16	I5570231	T03G	6/6/012	33	I5570248	T17	6/6/012
17	I5570232	T04	6/6/012	34	I5570249	T17G	6/6/012

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, 2013.

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

June 6,2012

Julius Lee

RE: 422674 - ADAM'S FRAMING - LASTAS RES.

Site Information:

Project Customer: ADAM'S FRAMING Project Name: 422674 Model: LASTAS RES.
Lot/Block: 14 Subdivision: Rolling Meadows
Address:
City: COLUMBIA CTY State: FL

No.	Seal#	Truss Name	Date
35	I5570250	T18	6/6/012
36	I5570251	T19	6/6/012
37	I5570252	T19G	6/6/012
38	I5570253	T20	6/6/012
39	I5570254	V05	6/6/012
40	I5570255	V09	6/6/012
41	I5570256	V10	6/6/012
42	I5570257	V11	6/6/012
43	I5570258	V13	6/6/012
44	I5570259	V14	6/6/012
45	I5570260	V18	6/6/012
46	I5570261	V25	6/6/012

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	EJ4G	MONO TRUSS	1	1	I5570216
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:22 2012 Page 1

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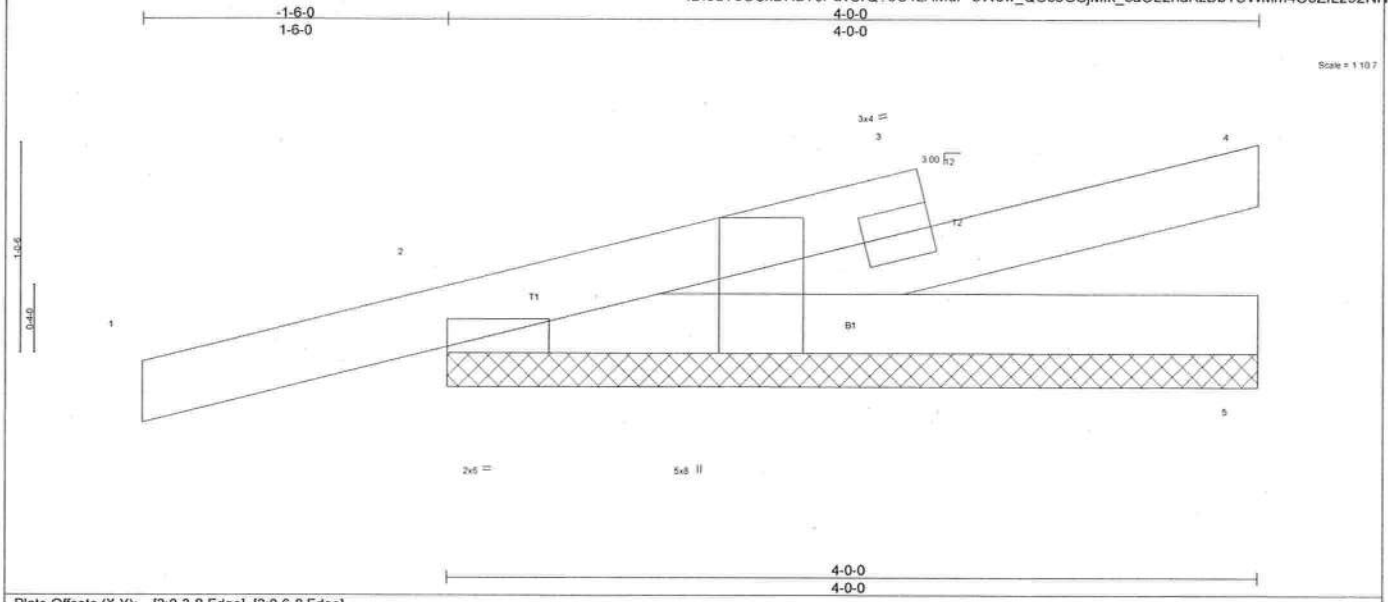

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-6-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 16 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 2=186/4-0-0 (min. 0-1-8), 4=76/4-0-0 (min. 0-1-8), 5=20/4-0-0 (min. 0-1-8)
Max Horz 2=59(LC 8)
Max Uplift 2=-171(LC 8), 4=-76(LC 12)
Max Grav 2=224(LC 2), 4=93(LC 2), 5=60(LC 3)

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

NOTES (9-11)
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 and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 4 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 171 lb uplift at joint 2 and 76 lb uplift at joint 4.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	FG1	SPECIAL	1	1	I5570217
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:25 2012 Page 1

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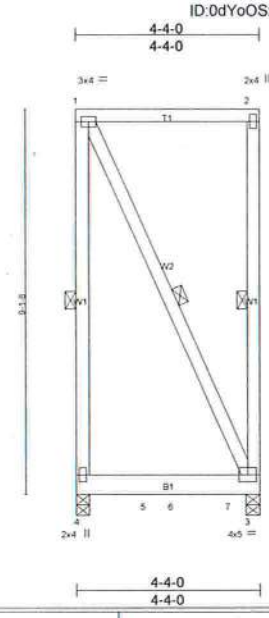

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.03	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.06	3-4	>800	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 55 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 4-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-4, 2-3, 1-3

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

REACTIONS (lb/size) 4=527/0-3-8 (min. 0-1-8), 3=774/0-4-0 (min. 0-1-8)
Max Uplift 4=-203(LC 4), 3=-315(LC 4)
Max Grav 4=527(LC 1), 3=795(LC 2)

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

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); Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 4 and 315 lb uplift at joint 3.
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) 529 lb down and 222 lb up at 1-8-4, and 529 lb down and 222 lb up at 3-8-4 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: 1-2=-44, 4-6=-40, 3-6=-10
Concentrated Loads (lb)
Vert: 5=-493(B) 7=-523(B)

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570218
422674	PB01	PIGGYBACK	17	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:27 2012 Page 1

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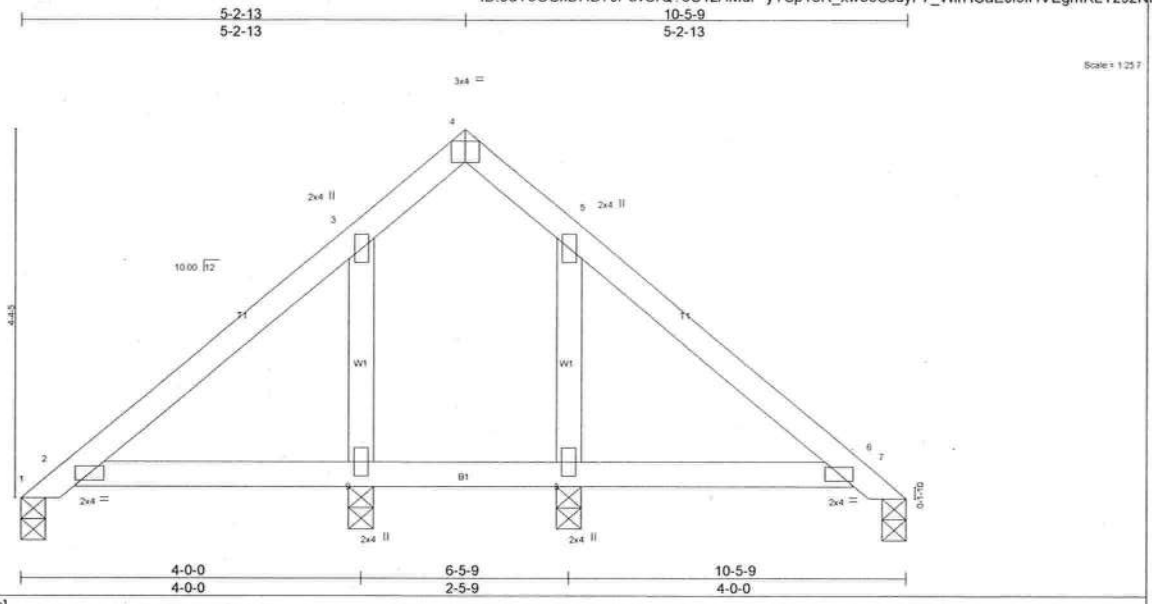

Plate Offsets (X,Y): [4:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.01	2-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 42 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
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=-108(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-152(LC 12), 8=-137(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 9=313(LC 21), 8=290(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-9=-352/241, 5-8=-352/241

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) 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) 1 except (jt=lb) 9=152, 8=137.
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

June 6,2012

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	ADAM'S FRAMING - LASTAS RES.	I5570219
422674	PB02	PIGGYBACK	6	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:29 2012 Page 1

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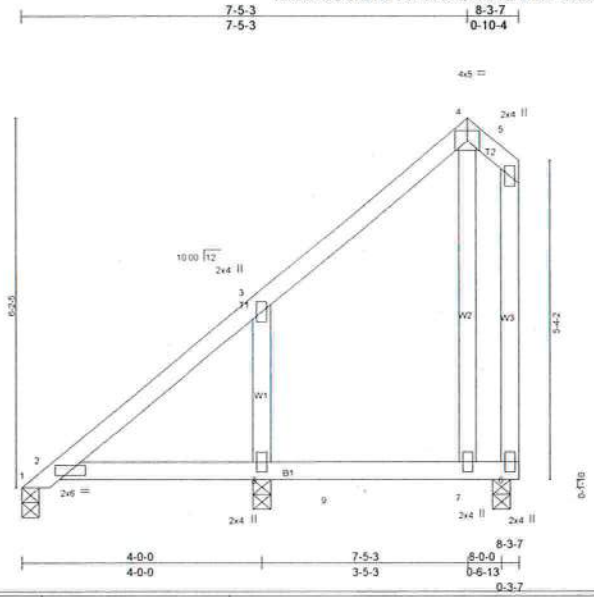

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.02	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 47 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W3: 2x4 SP No.2

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

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

REACTIONS (lb/size) 1=80/0-3-8 (min. 0-2-13), 6=126/0-3-8 (min. 0-1-8), 8=294/0-3-8 (min. 0-1-8)
Max Horz 1=197(LC 12)
Max Uplift 1=-6(LC 10), 6=-43(LC 12), 8=-206(LC 12)
Max Grav 1=117(LC 23), 6=126(LC 1), 8=353(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-309/222, 2-3=-276/233
WEBS 3-8=-412/335

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1 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, 6 except (jt=lb) 8=206.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	PB03	PIGGYBACK	12	1	I5570220
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:31 2012 Page 1

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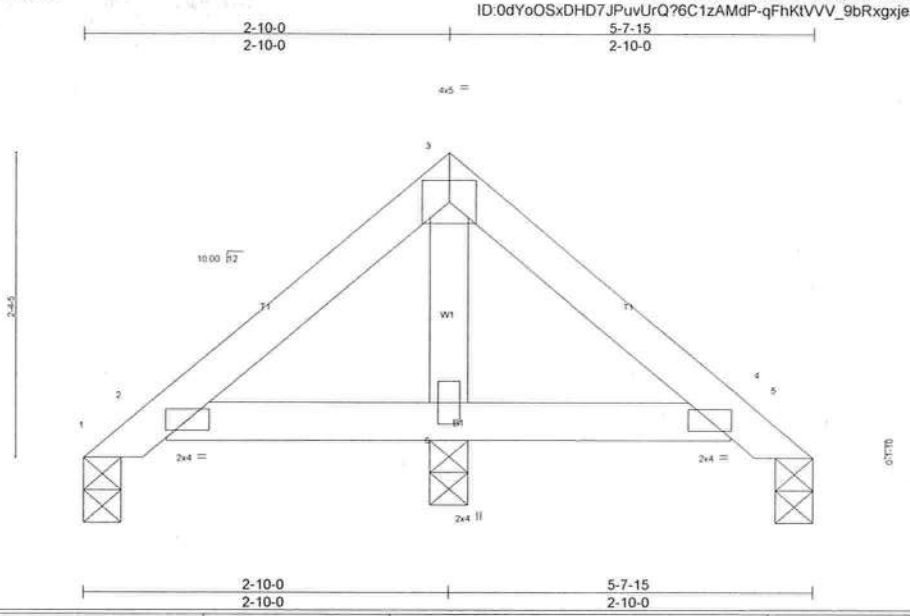

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 20 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-15 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=25/0-3-8 (min. 0-2-0), 5=25/0-3-8 (min. 0-2-0), 6=243/0-3-8 (min. 0-1-8)
Max Horz 1=-57(LC 8)
Max Uplift 1=-6(LC 28), 5=-16(LC 8), 6=-86(LC 12)
Max Grav 1=47(LC 27), 5=47(LC 28), 6=288(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-331/187

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) 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, 6.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	PB03G	PIGGYBACK	1	1	I5570221
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:32 2012 Page 1

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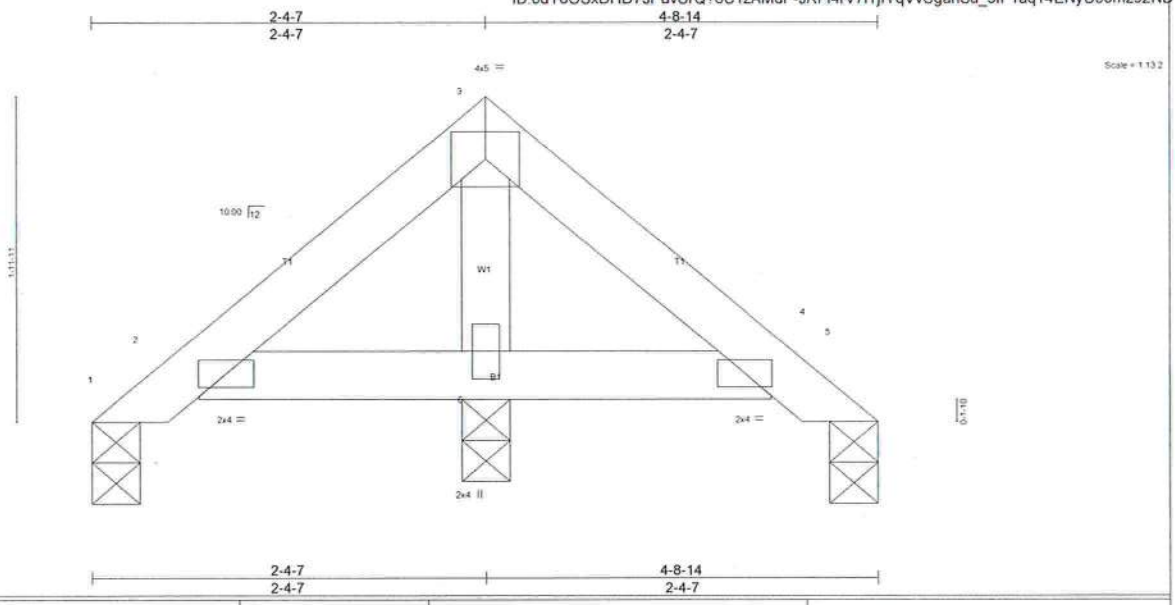


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.05	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 16 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

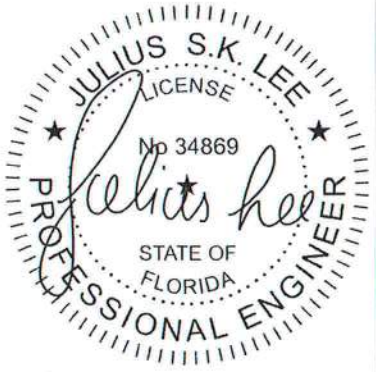
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=26/0-3-8 (min. 0-1-15), 5=26/0-3-8 (min. 0-1-15), 6=191/0-3-8 (min. 0-1-8)
Max Horz 1=59(LC 9)
Max Uplift 1=-15(LC 13), 5=-23(LC 13), 6=-111(LC 12)
Max Grav 1=43(LC 27), 5=43(LC 28), 6=226(LC 2)

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

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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=111.
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



June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	PB04	PIGGYBACK	2	1	I5570222
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:34 2012 Page 1

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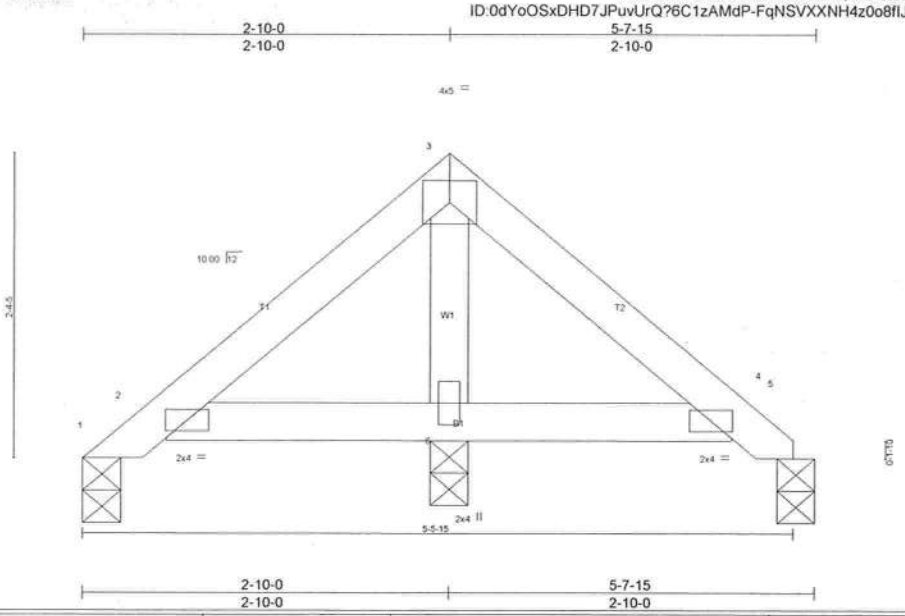

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 20 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-15 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=31/0-3-8 (min. 0-2-0), 5=23/0-3-8 (min. 0-2-1), 6=229/0-3-8 (min. 0-1-8)
Max Horz 1=57(LC 9)
Max Uplift 1=-8(LC 8), 5=-19(LC 8), 6=-91(LC 12)
Max Grav 1=46(LC 27), 5=50(LC 28), 6=272(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-313/182

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) 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, 6.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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	ADAM'S FRAMING - LASTAS RES.
422674	PB05	MONO HIP PIGGYBACK	1	1	I5570223
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:35 2012 Page 1

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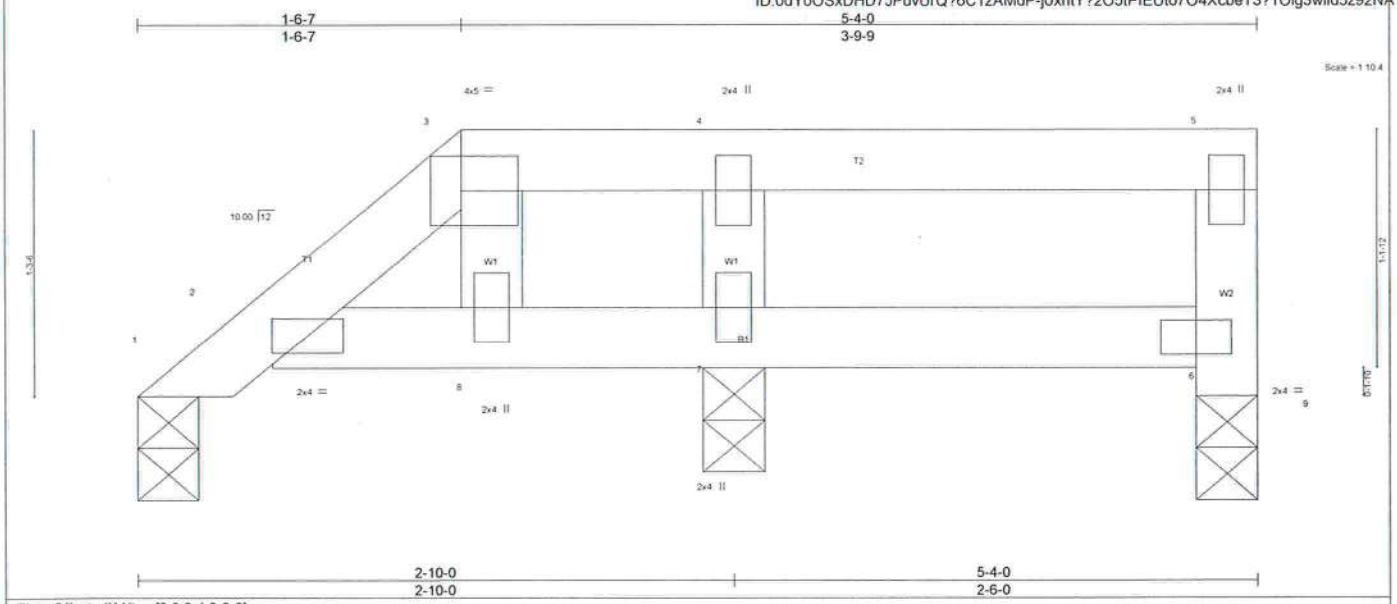

Plate Offsets (X,Y): [3:0-3-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	8	>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)							Weight: 18 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 5-4-0 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=61/0-3-8 (min. 0-2-8), 7=163/0-3-8 (min. 0-1-8), 9=49/0-3-8 (min. 0-1-8)
Max Horz 1=41(LC 12)
Max Uplift 1=-8(LC 12), 7=-65(LC 9), 9=-23(LC 8)
Max Grav 1=72(LC 2), 7=193(LC 2), 9=59(LC 2)

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

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 1, 9 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, 7, 9.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570224
422674	PB06	PIGGYBACK	12	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:37 2012 Page 1

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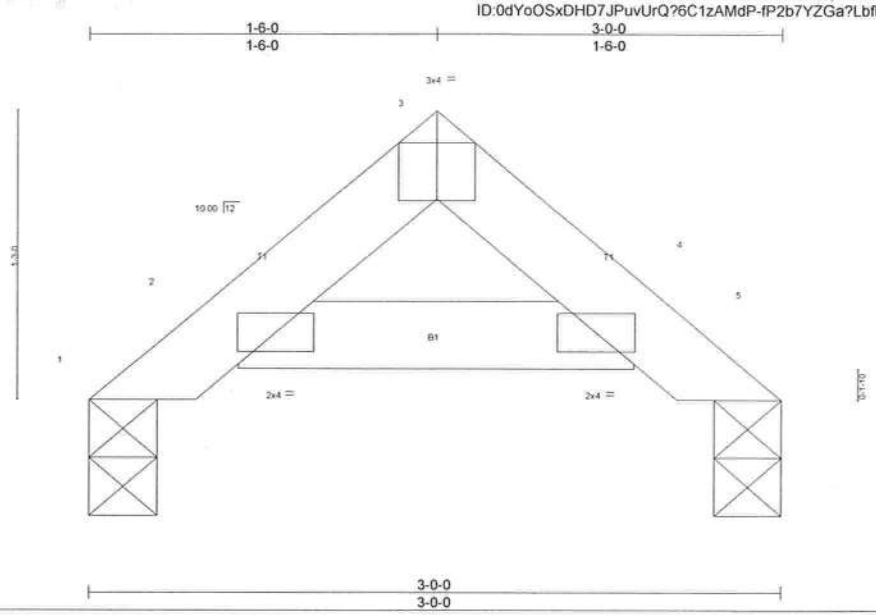

Plate Offsets (X,Y): [3:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 8 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 1=81/0-3-8 (min. 0-2-9), 5=81/0-3-8 (min. 0-2-9)
Max Horz 1=-31(LC 8)
Max Uplift 1=-21(LC 12), 5=-21(LC 13)
Max Grav 1=96(LC 2), 5=96(LC 2)

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

NOTES (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	PB06G	PIGGYBACK	1	1	I5570225 Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:39 2012 Page 1

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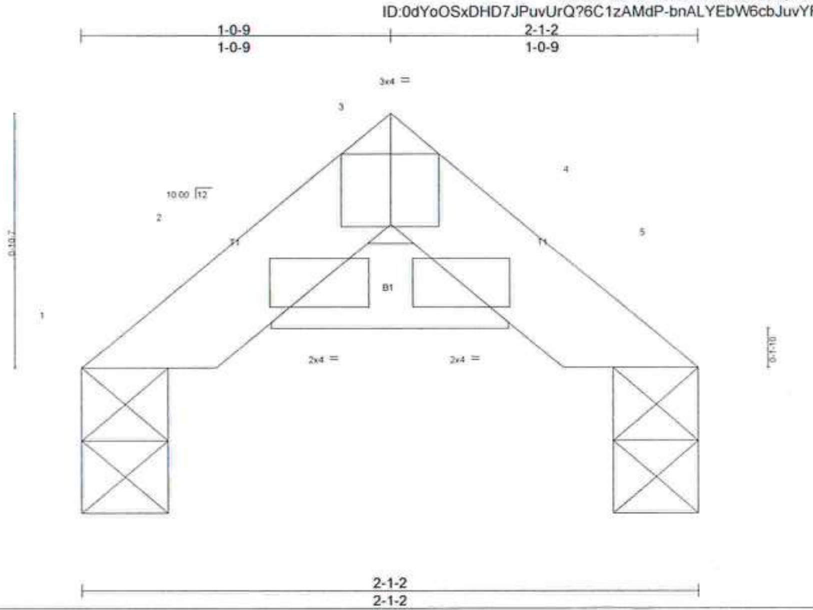

Plate Offsets (X,Y): [3:0-2-0,Edge]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	2	>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)							Weight: 5 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-2 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=56/0-3-8 (min. 0-2-5), 5=56/0-3-8 (min. 0-2-5)
Max Horz 1=-27(LC 8)
Max Uplift 1=-26(LC 12), 5=-26(LC 13)
Max Grav 1=67(LC 2), 5=67(LC 2)

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

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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570226
422674	T01	PIGGYBACK ATTIC	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:43 2012 Page 1

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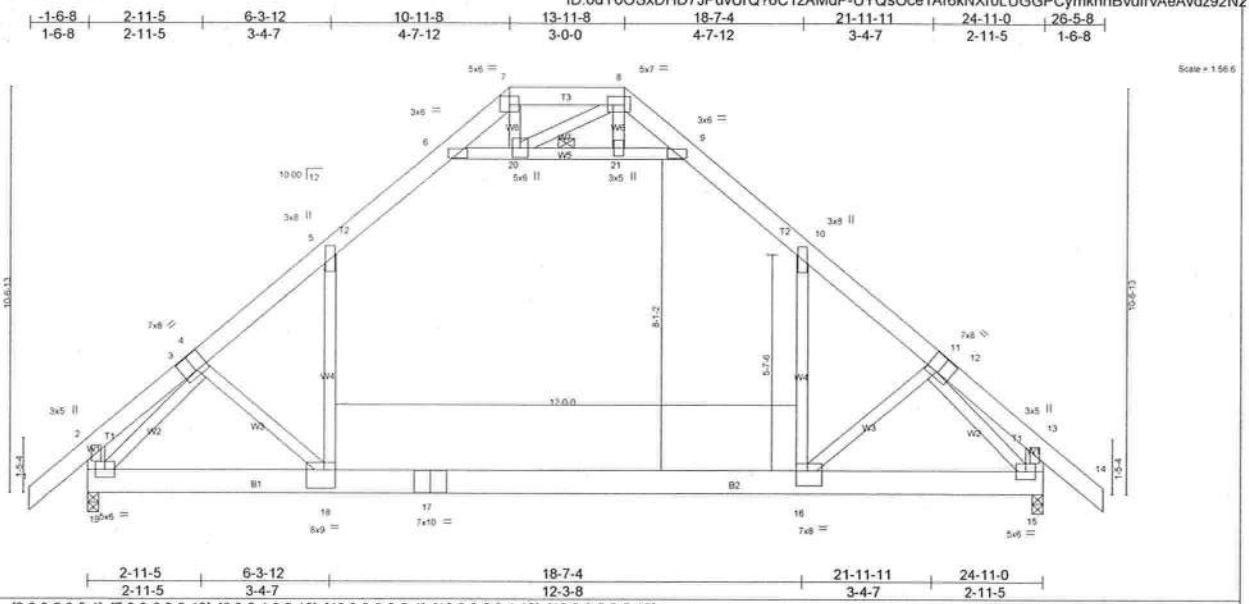

Plate Offsets (X,Y): [3:0-3-9,0-5-4], [7:0-3-0,0-2-12], [8:0-5-4,0-2-12], [12:0-3-9,0-5-4], [16:0-3-8,0-4-12], [18:0-3-8,0-5-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.96	Vert(LL)	-0.37	16-18	>783	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.66	16-18	>445	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.02	15	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)		Attic	-0.23	16-18	632	360	Weight: 221 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SYP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W5: 2x4 SP No.2, W1: 2x6 SYP No.2

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

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

REACTIONS (lb/size) 19=1354/0-3-8 (min. 0-1-10), 15=1354/0-3-8 (min. 0-1-10)
Max Horz 19=-271(LC 8)
Max Uplift 19=-37(LC 12), 15=-37(LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-317/145, 3-4=-1627/246, 4-5=-1615/233, 5-6=-1056/330, 6-7=-29/422, 8-9=-41/399, 9-10=-1055/329, 10-11=-1616/233, 11-12=-1627/246, 12-13=-316/145, 7-8=0/621, 2-19=-381/228, 13-15=-381/227
BOT CHORD 18-19=-48/1090, 17-18=0/1053, 16-17=0/1053, 15-16=-29/1091
WEBS 5-18=0/917, 10-16=0/919, 6-20=-1573/378, 20-21=-1539/370, 9-21=-1547/370, 3-19=-1519/131, 12-15=-1521/132

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) 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). 5-6, 9-10, 6-20, 20-21, 9-21; Wall dead load (5.0psf) on member(s).5-18, 10-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
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) 19, 15.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T01G	GABLE	1	1	I5570227
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:47 2012 Page 1

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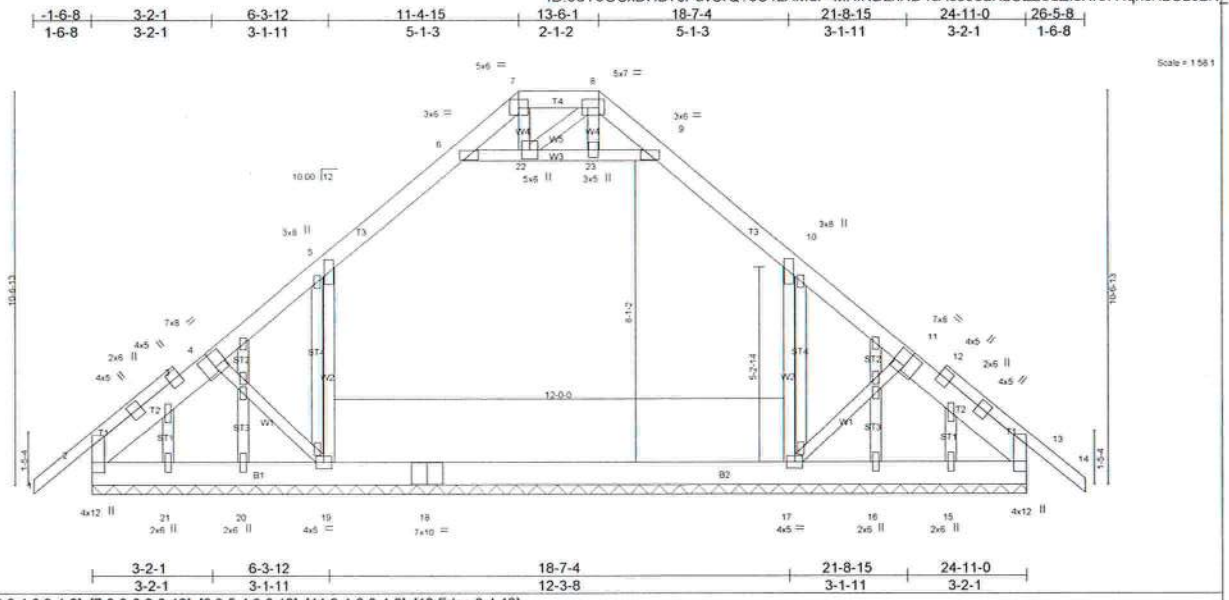

Plate Offsets (X,Y): [4:0-4-0,0-4-8], [7:0-3-0,0-2-12], [8:0-5-4,0-2-12], [11:0-4-0,0-4-8], [13:Edge,0-4-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.00	14	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.00	14	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.01	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 242 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SYP No.2 *Except* T2: 2x8 SYP DSS, T1: 2x4 SP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except* W3: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING

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

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

REACTIONS All bearings 24-11-0.
(lb) - Max Horz 2=321(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 13 except 2=-125(LC 13), 19=-286(LC 12), 15=-502(LC 27), 16=-455(LC 13), 20=-569(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 15, 21, 20 except 2=577(LC 2), 19=926(LC 26), 13=616(LC 2), 16=943(LC 27)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-647/139, 3-4=-564/143, 4-5=-536/163, 5-6=-636/259, 9-10=-617/256, 10-11=-553/103, 11-12=-580/98, 12-13=-665/87
BOT CHORD 2-21=-132/461, 20-21=-132/461, 19-20=-132/461, 18-19=-74/419, 17-18=-74/419, 16-17=-56/410, 15-16=-56/410, 13-15=-56/410
WEBS 5-19=-349/288, 10-17=-312/241, 6-22=-440/259, 22-23=-419/251, 9-23=-422/251

NOTES (15-17)

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) 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, with BCDL = 5.0psf.
10) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-22, 22-23, 9-23; Wall dead load (5.0psf) on member(s).5-19, 10-17
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) 13 except (jt=lb) 2=125, 19=286, 15=502, 16=455, 20=569.
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.

Continued on page 2

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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T01G	GABLE	1	1	I5570227
					Job Reference (optional)

ID:0dYoOSxDHD7JPuvUrQ?6C1zAMdP-rWDlRJi9_Nk1Tlk_81sR6GfoliSmaFNb3RMxZqz92Mz

15) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

16) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.

17) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570228
422674	T02	PIGGYBACK ATTIC	11	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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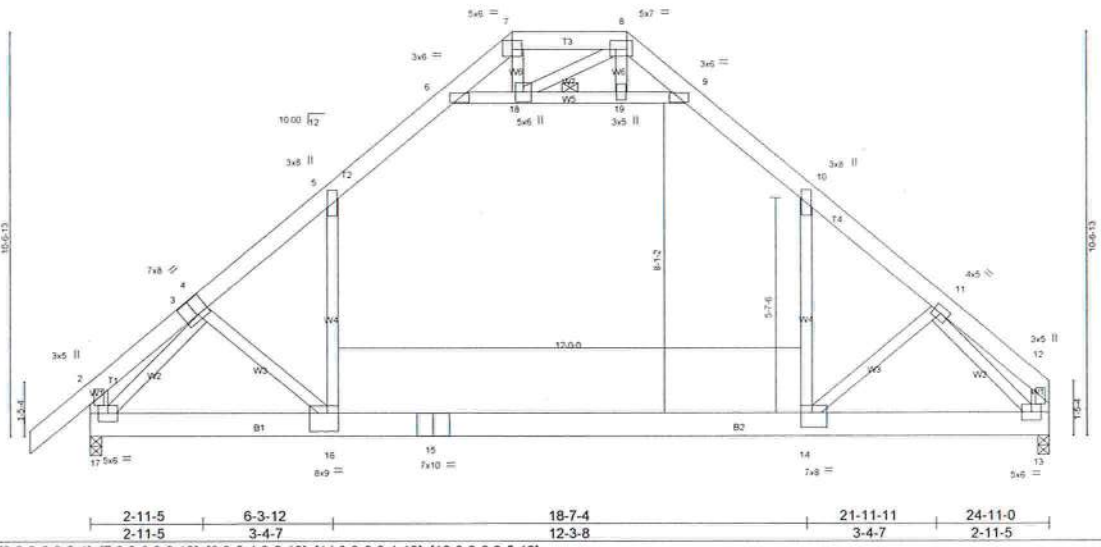
ID:0dYoOSxDHD7JPuvUrQ?6C1zAMdP-jHSGHhlg2cETyv1INtxNG6pHOJIIWxcAz3K8ibz92Mv

-1-6-8	2-11-5	6-3-12	10-11-8	13-11-8	18-7-4	21-11-11	24-11-0
1-6-8	2-11-5	3-4-7	4-7-12	3-0-0	4-7-12	3-4-7	2-11-5



2-11-5	6-3-12	18-7-4	21-11-11	24-11-0
2-11-5	3-4-7	12-3-8	3-4-7	2-11-5

Plate Offsets (X,Y): [3:0-3-9,0-5-4], [7:0-3-0,0-2-12], [8:0-5-4,0-2-12], [14:0-3-8,0-4-12], [16:0-3-8,0-5-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.96	Vert(LL)	-0.37	14-16	>785	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.66	14-16	>445	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.02	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)		Attic	-0.23	14-16	633	360	Weight: 216 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SYP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W5: 2x4 SP No.2, W1: 2x6 SYP No.2

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

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

REACTIONS (lb/size) 17=1356/0-3-8 (min. 0-1-10), 13=1272/0-3-8 (min. 0-1-8)
Max Horz 17=293(LC 9)
Max Uplift 17=-37(LC 12), 13=-1(LC 13)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-317/145, 3-4=-1631/251, 4-5=-1620/238, 5-6=-1060/332, 6-7=-28/422, 8-9=-39/399, 9-10=-1059/332, 10-11=-1629/239, 11-12=-310/135, 7-8=0/622, 2-17=-382/228
BOT CHORD 16-17=-157/1092, 15-16=-11/1057, 14-15=-11/1057, 13-14=-160/1116
WEBS 5-16=0/917, 10-14=0/928, 6-18=-1579/383, 18-19=-1543/376, 9-19=-1551/375, 3-17=-1523/133, 11-13=-1551/153

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) 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). 5-6, 9-10, 6-18, 18-19, 9-19; Wall dead load (5.0psf) on member(s).5-16, 10-14
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
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) 17, 13.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T02G	GABLE	1	1	I5570229
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:54 2012 Page 1

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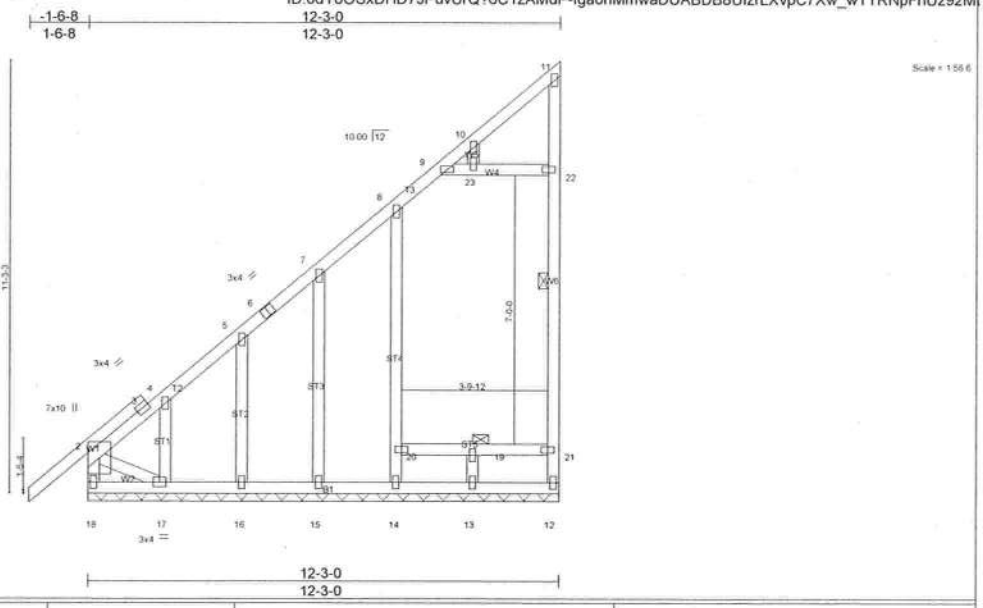

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(TL)	-0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 107 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 11-12
JOINTS 1 Brace at Jt(s): 19

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

REACTIONS All bearings 12-3-0.
(lb) - Max Horz 18=538(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 12=-135(LC 12), 18=-178(LC 10), 17=-344(LC 12), 16=-152(LC 12), 14=-274(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 12, 17, 16, 15, 13 except 18=503(LC 12), 14=271(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-558/470, 3-4=-552/487, 4-5=-499/408, 5-6=-381/295, 6-7=-375/311, 7-8=-301/254, 2-18=-485/477
BOT CHORD 17-18=-515/399
WEBS 14-20=-357/284, 8-20=-358/285, 2-17=-449/580

NOTES (12-14)
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 and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 12=135, 18=178, 17=344, 16=152, 14=274.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T03	MONO TRUSS	1	1	I5570230
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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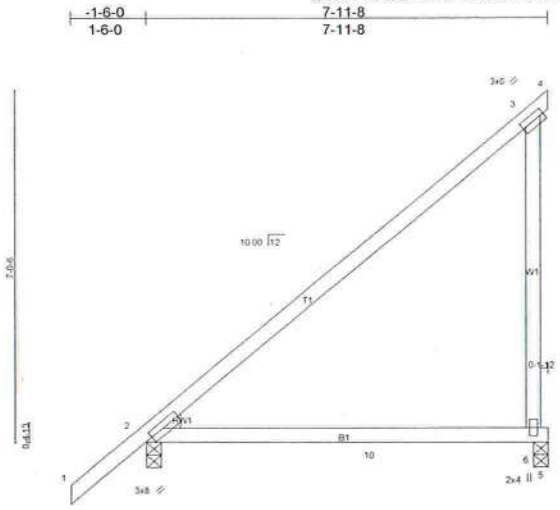

Plate Offsets (X,Y): [2:0-1-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.08	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.14	6-9	>648	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	2	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 40 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 6=247/0-3-8 (min. 0-1-8), 2=334/0-3-8 (min. 0-1-8)
Max Horz 2=262(LC 12)
Max Uplift6=-150(LC 12), 2=-37(LC 12)
Max Grav 6=247(LC 1), 2=370(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1121/487, 3-6=-301/256
BOT CHORD 2-10=-2083/3198

NOTES (7-9)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 6=150.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T03G	GABLE	1	1	I5570231
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:20:59 2012 Page 1

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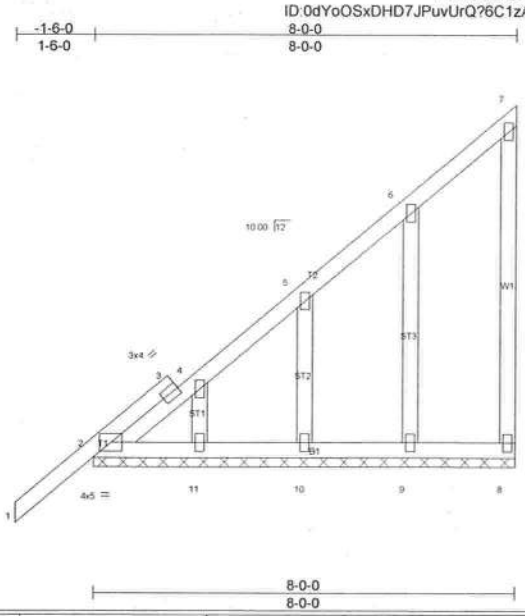

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 54 lb	FT = 20%

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

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

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

REACTIONS All bearings 8-0-0.
(lb) - Max Horz 2=360(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11 except 10=-149(LC 12), 9=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 10, 9

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-342/293, 3-4=-334/312, 4-5=-285/231

NOTES (11-13)
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 and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 11 except (jt=lb) 10=149, 9=143.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T04	MONO HIP	3	1	I5570232
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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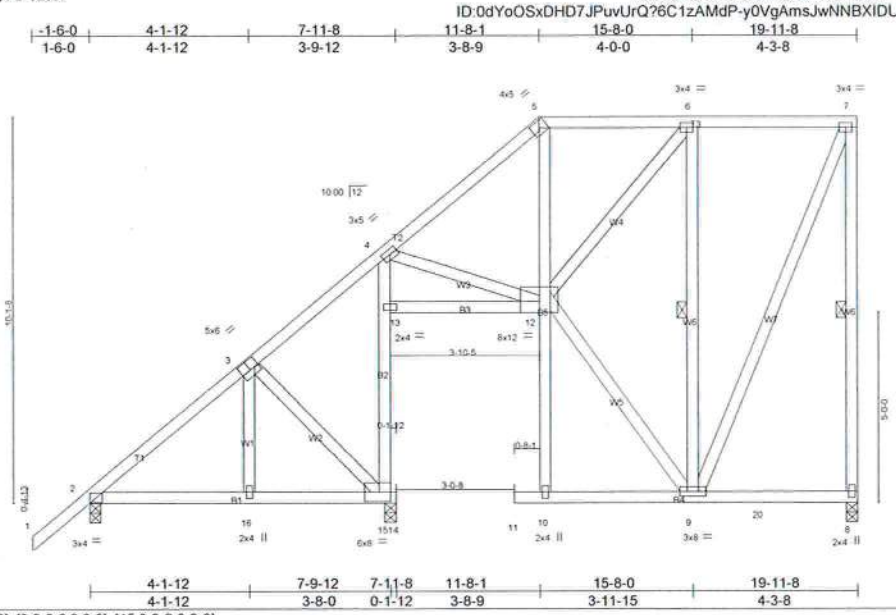


Plate Offsets (X,Y): [2:0-2-1,0-1-8], [3:0-3-0,0-3-0], [15:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.03	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 172 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2,B5: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 9-10.
6-0-0 oc bracing: 13-15
10-0-0 oc bracing: 10-12
WEBS 1 Row at midpt 7-8, 6-9

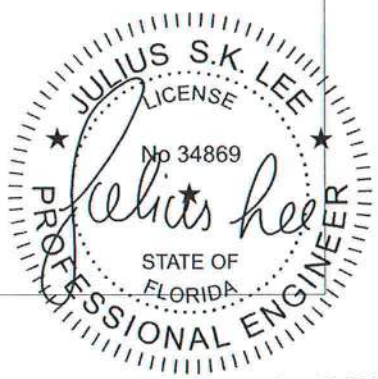
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=391/0-3-8 (min. 0-1-8), 2=275/0-3-8 (min. 0-1-8), 15=554/0-3-8 (min. 0-1-8)
Max Horz 2=372(LC 12)
Max Uplift 8=-123(LC 9), 15=-340(LC 12)
Max Grav 8=391(LC 1), 2=328(LC 2), 15=650(LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-319/168, 3-4=-307/261, 4-5=-366/116, 5-6=-263/148, 7-8=-396/242
BOT CHORD 2-16=-464/944, 13-15=-708/449, 4-13=-684/460
WEBS 6-9=-422/292, 7-9=-183/326, 3-15=-318/195

NOTES (8-10)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=123, 15=340.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570233
422674	T05	MONO HIP	2	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:03 2012 Page 1

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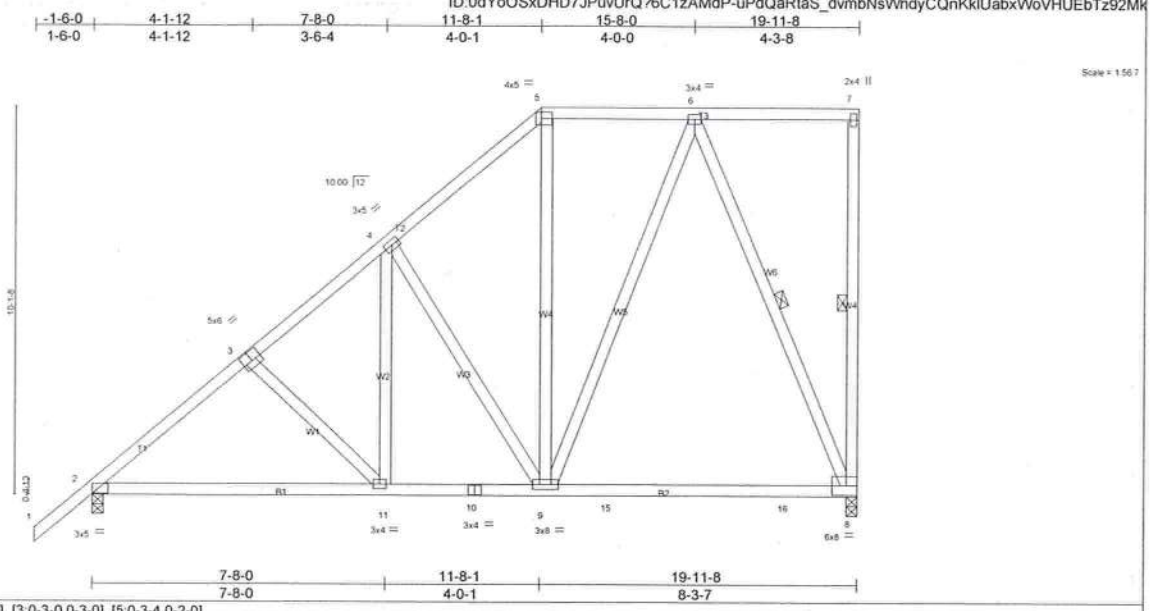

Plate Offsets (X,Y): [2:0-3-1,0-1-8], [3:0-3-0,0-3-0], [5:0-3-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.21	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.31	8-9	>760	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 154 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-10 oc bracing.
WEBS 1 Row at midpt 7-8, 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=638/0-3-8 (min. 0-1-8), 2=635/0-3-8 (min. 0-1-8)
Max Horz 2=373(LC 12)
Max Uplift 8=-223(LC 9), 2=-126(LC 12)
Max Grav 8=638(LC 1), 2=721(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-880/256, 3-4=-746/255, 4-5=-558/249, 5-6=-425/254
BOT CHORD 2-11=-559/1394, 10-11=-422/682, 9-10=-422/682, 9-15=-172/273, 15-16=-172/273, 8-16=-172/273
WEBS 4-9=-478/310, 6-9=-225/415, 6-8=-695/442, 3-11=-259/191

NOTES (8-10)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=223, 2=126.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570234
422674	T06	SPECIAL	5	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:07 2012 Page 1

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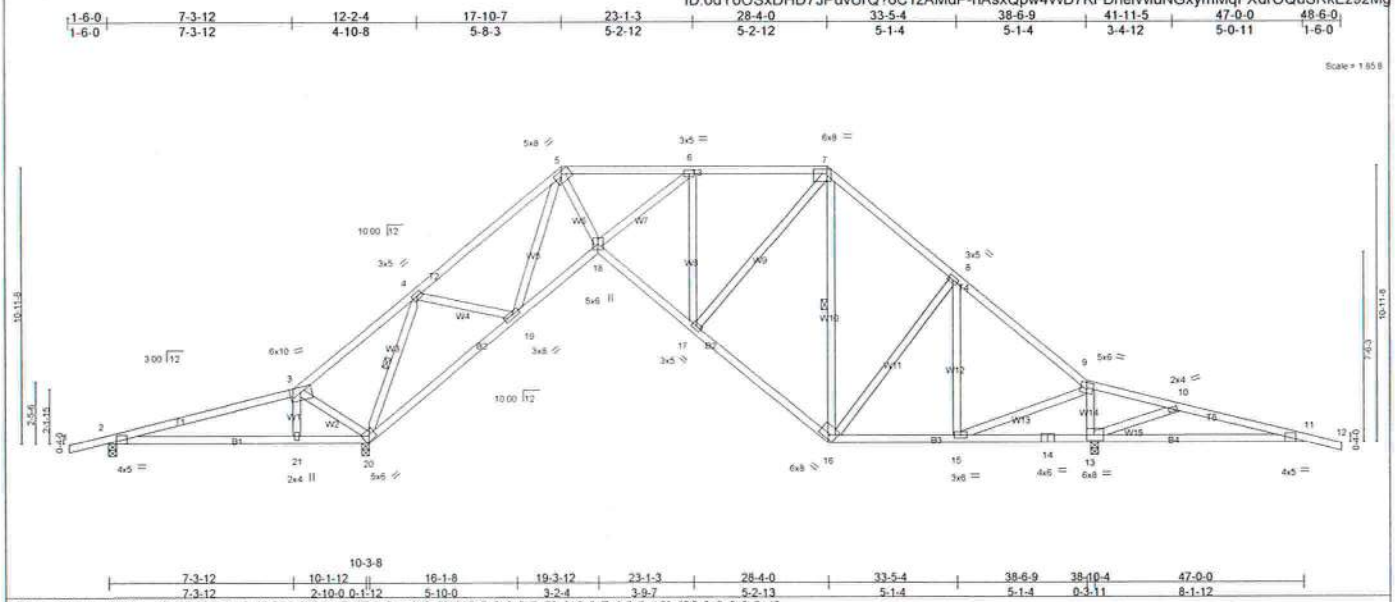

Plate Offsets (X,Y): [2:0-3-7,Edge], [5:0-4-0,0-1-4], [7:0-6-4,0-2-0], [13:0-3-8,0-3-0], [16:0-7-4,0-3-12], [20:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.16	21-24	>770	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	0.13	21-24	>952	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.16	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 278 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 4-0-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-0-9 oc bracing.
WEBS	1 Row at midpt 4-20, 7-16

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

REACTIONS (lb/size) 2=170/0-3-8 (min. 0-1-8), 20=1203/0-3-8 (min. 0-2-0), 13=1297/0-3-8 (min. 0-2-1)
Max Horz 2=-193(LC 8)
Max Uplift 2=-342(LC 8), 20=-317(LC 12), 13=-503(LC 9)
Max Grav 2=213(LC 27), 20=1424(LC 2), 13=1541(LC 2)

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

TOP CHORD	2-3=-817/1110, 3-4=-199/849, 4-5=-763/158, 5-6=-1131/125, 6-7=-872/309, 7-8=-783/327, 8-9=-620/110, 9-10=-1798/1423, 10-11=-1339/957
BOT CHORD	2-21=-1160/891, 20-21=-514/0, 19-20=-240/313, 18-19=0/885, 17-18=0/825, 16-17=0/456, 15-16=0/393, 14-15=-1290/1801, 13-14=-1290/1801, 11-13=-910/1345
WEBS	3-21=-257/180, 3-20=-197/639, 4-20=-1565/383, 4-19=0/554, 5-19=-752/0, 5-18=0/851, 6-18=-14/549, 6-17=-590/166, 7-17=-102/497, 7-16=-362/157, 8-16=-314/194, 8-15=-609/686, 9-15=-1546/1652, 9-13=-1502/1060, 10-13=-511/559

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) and C-C Exterior(2) zone; cantilever right 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.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=342, 20=317, 13=503.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T07	SPECIAL	1	1	I5570235
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:10 2012 Page 1

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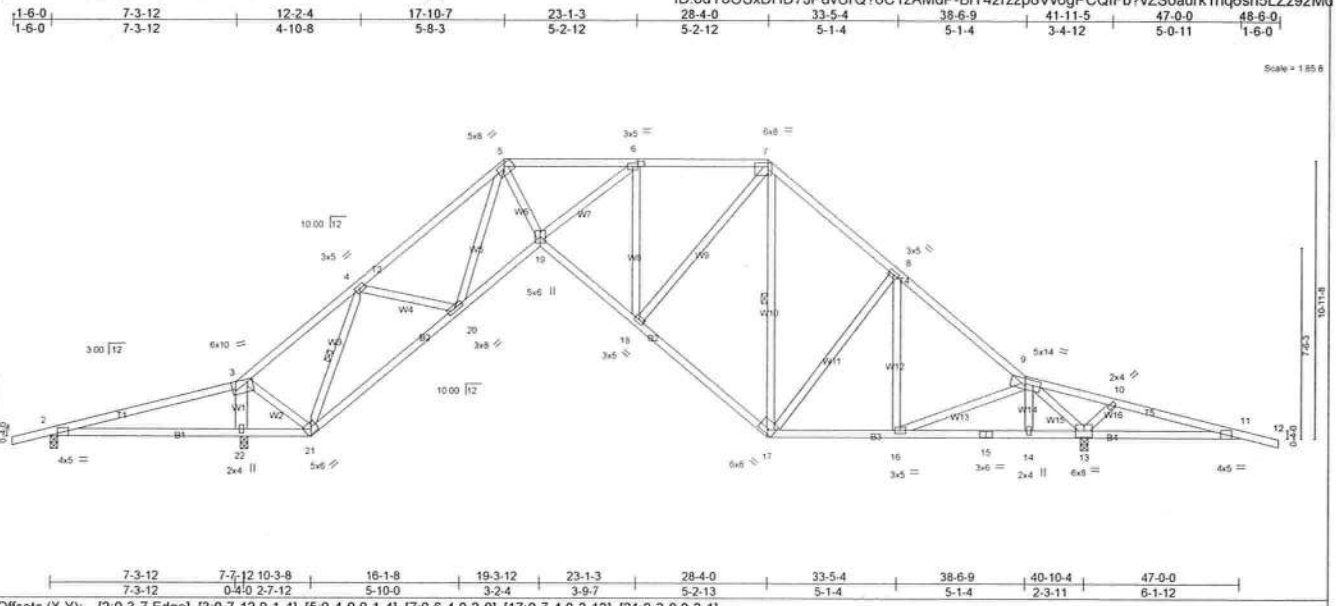

Plate Offsets (X,Y): [2:0-3-7,Edge], [3:0-7-12,0-1-4], [5:0-4-0,0-1-4], [7:0-6-4,0-2-0], [17:0-7-4,0-3-12], [21:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	0.16	22-25	>565	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.30	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.32	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 281 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-1-2 oc bracing: 22-25
4-8-13 oc bracing: 21-22
5-11-7 oc bracing: 13-28.
WEBS 1 Row at midpt 4-21, 7-17

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

REACTIONS (lb/size) 2=52/0-3-8 (min. 0-1-8), 22=1331/0-3-8 (min. 0-2-4), 13=1286/0-3-8 (min. 0-2-1)
Max Horz 2=-193(LC 8)
Max Uplift 2=-313(LC 8), 22=-345(LC 12), 13=-434(LC 9)
Max Grav 2=93(LC 27), 22=1577(LC 2), 13=1528(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-625/1249, 3-4=-348/307, 4-5=-1810/653, 5-6=-2237/606, 6-7=-1422/628, 7-8=-1206/601, 8-9=-1324/422, 9-10=-1381/1150, 10-11=-1236/960
BOT CHORD 2-22=-1165/709, 21-22=-1382/330, 20-21=-220/854, 19-20=-184/1723, 18-19=-132/1521, 17-18=-14/879, 16-17=-96/917, 15-16=-42/784, 14-15=-42/784, 13-14=-40/785, 11-13=-917/1255
WEBS 3-22=-1777/672, 3-21=-403/1811, 4-21=-1579/456, 4-20=0/568, 5-20=-761/23, 5-19=-113/1562, 6-19=-139/1054, 6-18=-971/245, 7-18=-164/795, 7-17=-371/140, 8-17=-446/183, 8-16=-134/280, 9-16=-650/501, 9-13=-2078/1230, 10-13=-306/307

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) and C-C Exterior(2) zone; cantilever right 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.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=313, 22=345, 13=434.
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

June 6,2012

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	ADAM'S FRAMING - LASTAS RES.	I5570236
422674	T08	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:14 2012 Page 1

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1-6-0	7-3-12	12-2-4	17-10-7	23-1-3	28-4-0	33-5-4	38-6-9	41-11-5	47-0-0	48-6-0
1-6-0	7-3-12	4-10-8	5-8-3	5-2-12	5-2-12	5-1-4	5-1-4	3-4-12	5-0-11	1-6-0

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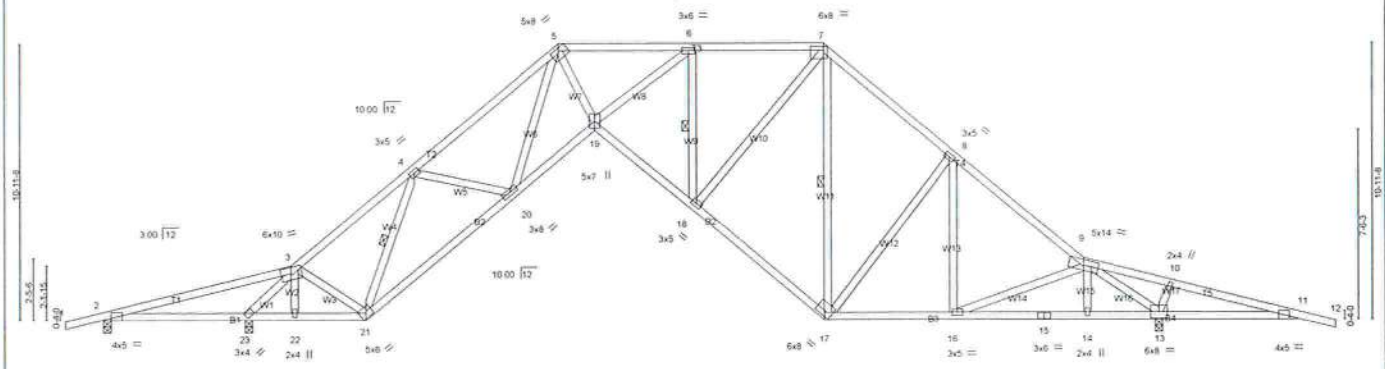


5-7-12	7-3-12	10-3-8	16-1-8	19-3-12	23-1-3	28-4-0	33-5-4	38-6-9	41-6-4	47-0-0
5-7-12	1-8-0	2-11-12	5-10-0	3-2-4	3-9-7	5-2-13	5-1-4	5-1-4	2-11-11	5-5-12

Plate Offsets (X,Y): [2:0-3-7,Edge], [5:0-4-0,0-1-4], [7:0-6-4,0-2-0], [17:0-7-4,0-3-12], [21:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.23	19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.44	19	>992	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.42	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 283 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.
BOT CHORD	Rigid ceiling directly applied or 3-9-14 oc bracing.
WEBS	1 Row at midpt 4-21, 6-18, 7-17

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

REACTIONS (lb/size) 2=-111/0-3-8 (min. 0-1-8), 13=1315/0-3-8 (min. 0-2-2), 23=1466/0-3-8 (min. 0-2-7)
Max Horz 2=-193(LC 8)
Max Uplift2=-332(LC 10), 13=-419(LC 9), 23=-376(LC 12)
Max Grav 13=1562(LC 2), 23=1736(LC 2)

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

TOP CHORD	2-3=-537/1988, 3-4=-1071/591, 4-5=-2478/936, 5-6=-2897/900, 6-7=-1722/771, 7-8=-1408/707, 8-9=-1612/591, 9-10=-1226/1025, 10-11=-1205/959
BOT CHORD	2-23=-1884/593, 20-21=-501/1577, 19-20=-319/2362, 18-19=-317/1911, 17-18=-120/1081, 16-17=-227/1140, 15-16=-118/1250, 14-15=-118/1250, 13-14=-116/1250, 11-13=-916/1228
WEBS	3-21=-192/966, 4-21=-1524/450, 4-20=0/533, 5-20=-708/22, 5-19=-304/1963, 6-19=-201/1519, 6-18=-1261/338, 7-18=-237/1020, 7-17=-402/140, 8-17=-523/227, 9-16=-378/177, 9-13=-2440/1405, 10-13=-266/260, 3-23=-2575/971

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) and C-C Exterior(2) zone; cantilever right 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.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=332, 13=419, 23=376.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570237
422674	T09	SPECIAL	3	1	Job Reference (optional)	

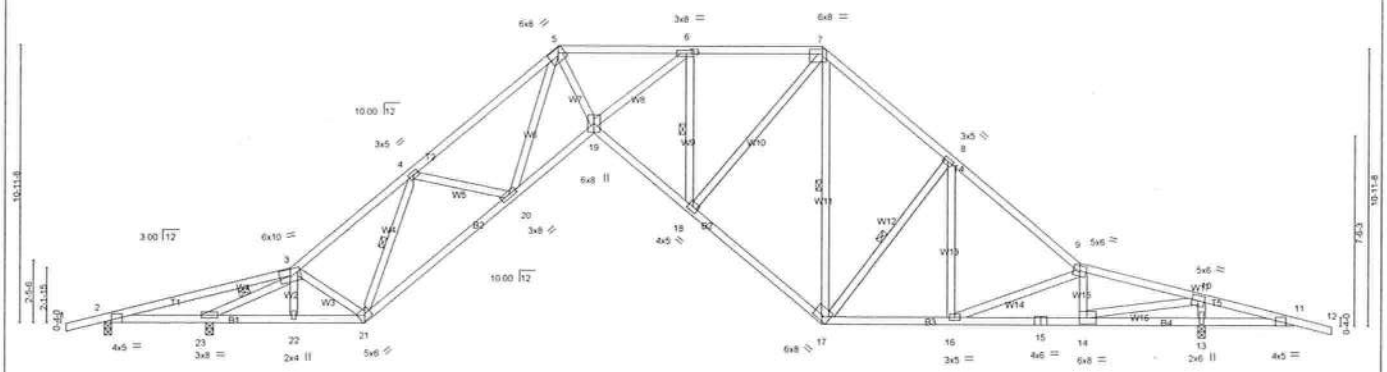
Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:17 2012 Page 1

ID:0dYoOSxDHD7JPuvUrQ?6C1zAMdP-U5TjWE2M9lOvSlSZLdtEnNMatOC?t9jsjStz5fz92MW

1-6-0	7-3-12	12-2-4	17-10-7	23-1-3	28-4-0	33-5-4	38-6-9	43-4-4	47-0-0	48-6-0
1-6-0	7-3-12	4-10-8	5-8-3	5-2-12	5-2-12	5-1-4	5-1-4	4-9-11	3-7-12	1-6-0

Scale = 1:85.8



4-1-12	7-3-12	10-3-8	16-1-8	19-3-12	23-1-3	28-4-0	33-5-4	38-6-9	43-4-4	47-0-0
4-1-12	3-2-0	2-11-12	5-10-0	3-2-4	3-9-7	5-2-13	5-1-4	5-1-4	4-9-11	3-7-12

Plate Offsets (X,Y): [2:0-3-7,Edge], [5:0-5-4,0-2-4], [6:0-3-8,0-1-8], [7:0-6-4,0-2-0], [14:0-3-8,0-3-0], [17:0-7-4,0-3-12], [21:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.38	19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.71	19	>668	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.57	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 287 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SYP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W16: 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-5-13 oc bracing.
WEBS 1 Row at midpt 4-21, 6-18, 7-17, 8-17, 3-23

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

REACTIONS (lb/size) 2=-221/0-3-8 (min. 0-1-8), 13=1307/0-3-8 (min. 0-2-2), 23=1584/0-3-8 (min. 0-2-10)
Max Horz 2=-193(LC 8)
Max Uplift2=-388(LC 21), 13=-392(LC 13), 23=-397(LC 12)
Max Grav 2=8(LC 12), 13=1552(LC 2), 23=1875(LC 2)

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

TOP CHORD 2-3=-721/2189, 3-4=-1958/967, 4-5=-3391/1368, 5-6=-3859/1382, 6-7=-2202/1026, 7-8=-1777/920, 8-9=-2226/972, 9-10=-2715/1017, 10-11=-873/690
BOT CHORD 2-23=-2084/774, 22-23=-704/1470, 21-22=-696/1460, 20-21=-902/2490, 19-20=-760/3265, 18-19=-649/2535, 17-18=-333/1451, 16-17=-520/1614, 15-16=-902/2646, 14-15=-902/2646, 13-14=-656/892, 11-13=-656/892
WEBS 4-21=-1546/496, 4-20=0/540, 5-20=-712/36, 5-19=-644/2601, 6-19=-460/2143, 6-18=-1656/524, 7-18=-382/1328, 7-17=-405/129, 8-17=-828/435, 8-16=-137/502, 9-16=-1120/415, 9-14=-621/406, 10-14=-1701/3135, 10-13=-1685/1034, 3-23=-4028/1675

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) and C-C Exterior(2) zone; cantilever right 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.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=388, 13=392, 23=397.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T10	SPECIAL	1	1	I5570238
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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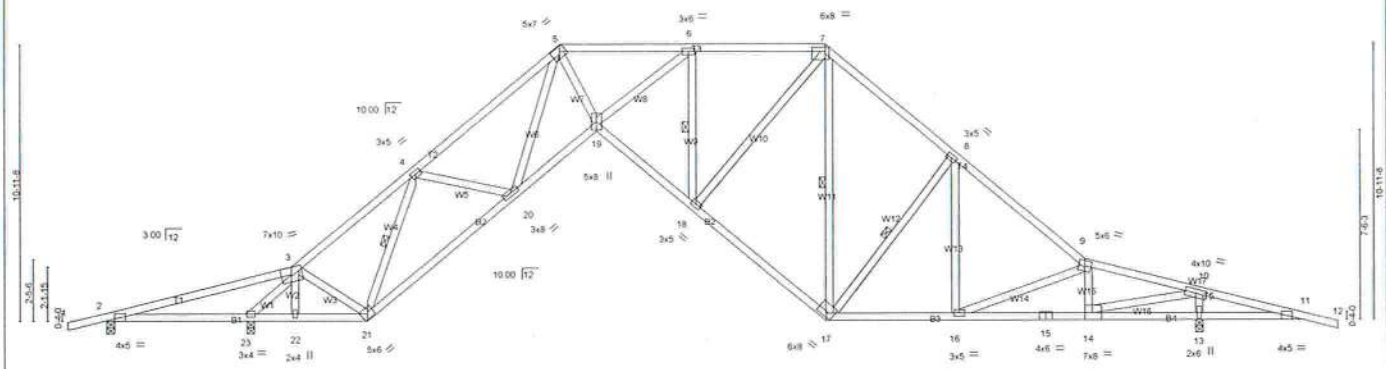
ID:0dYoOSxDHD7JPuvUrQ?6C1zAMdP-vg9r9F5ESDmUJCA70lRxP0_6ZcHM4WdIQQ6di_z92MT

1-6-0	7-3-12	12-2-4	17-10-7	23-1-3	28-4-0	33-5-4	38-6-9	43-0-12	47-0-0	48-6-0
1-6-0	7-3-12	4-10-8	5-8-3	5-2-12	5-2-12	5-1-4	5-1-4	4-6-3	3-11-4	1-6-0

Scale = 1:85.6



5-8-4	7-3-12	10-3-8	16-1-8	19-3-12	23-1-3	28-4-0	33-5-4	38-6-9	43-0-12	47-0-0
5-8-4	1-7-8	2-11-12	5-10-0	3-2-4	3-9-7	5-2-13	5-1-4	5-1-4	4-6-3	3-11-4

Plate Offsets (X,Y): [2:0-3-7,Edge], [5:0-4-4,0-2-4], [7:0-6-4,0-2-0], [14:0-3-8,Edge], [17:0-7-4,0-3-12], [21:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.27	19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.52	18-19	>874	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.45	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 284 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.
BOT CHORD Rigid ceiling directly applied or 3-6-2 oc bracing.
WEBS 1 Row at midpt 4-21, 6-18, 7-17, 8-17

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

REACTIONS (lb/size) 2=-168/0-3-8 (min. 0-1-8), 13=1251/0-3-8 (min. 0-2-0), 23=1587/0-3-8 (min. 0-2-10)
Max Horz 2=-193(LC 8)
Max Uplift 2=-364(LC 21), 13=-387(LC 13), 23=-397(LC 12)
Max Grav 13=1486(LC 2), 23=1879(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-705/2279, 3-4=-1053/595, 4-5=-2597/1033, 5-6=-3107/1060, 6-7=-1875/884, 7-8=-1578/830, 8-9=-1978/852, 9-10=-2326/808, 10-11=-927/718
BOT CHORD 2-23=-2166/756, 22-23=-372/32, 21-22=-376/36, 20-21=-534/1600, 19-20=-446/2524, 18-19=-464/2110, 17-18=-243/1251, 16-17=-428/1423, 15-16=-698/2271, 14-15=-698/2271, 13-14=-683/949, 11-13=-683/949
WEBS 3-21=-294/1144, 4-21=-1639/529, 4-20=-2/604, 5-20=-814/49, 5-19=-454/2166, 6-19=-228/1592, 6-18=-1306/377, 7-18=-267/1057, 7-17=-354/121, 8-17=-767/399, 8-16=-920/424, 9-16=-920/293, 9-14=-632/423, 10-14=-1553/2785, 10-13=-1599/1003, 3-23=-2758/1091

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) and C-C Exterior(2) zone; cantilever right 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.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=364, 13=387, 23=397.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T11	SPECIAL	1	1	I5570239
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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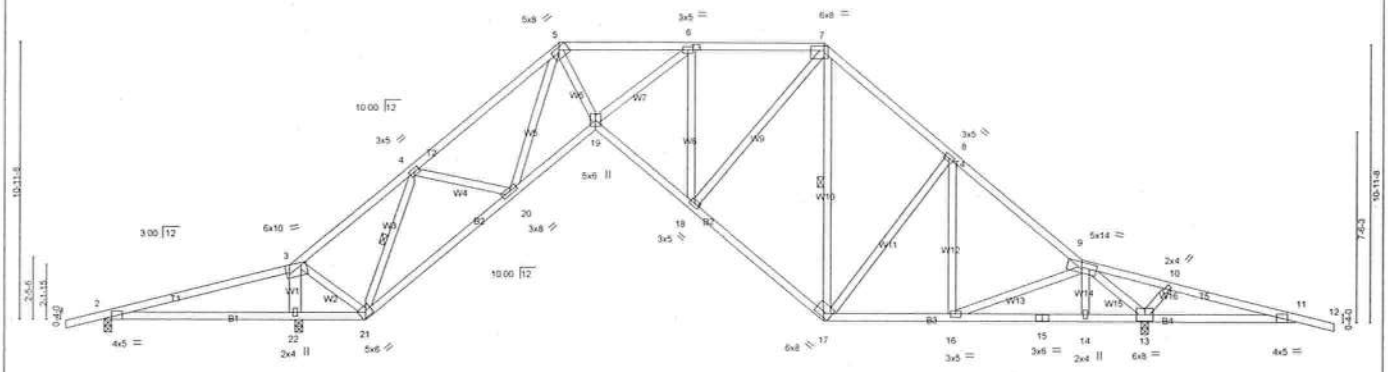
ID:0dYoOSxDHD7JPuvUrQ?6C1zAMdP-JFq_nH76l883Agviht_e0ecgfpL5Hvxk6OKHIlz92MQ

1-6-0	7-3-12	12-2-4	17-10-7	23-1-3	28-4-0	33-5-4	38-6-9	41-11-5	47-0-0	48-6-0
1-6-0	7-3-12	4-10-8	5-8-3	5-2-12	5-2-12	5-1-4	5-1-4	3-4-12	5-0-11	1-6-0

Scale = 1:85.8



7-3-12	7-8-4 10-3-8	16-1-8	19-3-12	23-1-3	28-4-0	33-5-4	38-6-9	41-0-12	47-0-0
7-3-12	0-4-8 2-7-4	5-10-0	3-2-4	3-9-7	5-2-13	5-1-4	5-1-4	2-6-3	5-11-4

Plate Offsets (X,Y): [2:0-3-7,Edge], [3:0-7-12,0-1-4], [5:0-4-0,0-1-4], [7:0-6-4,0-2-0], [17:0-7-4,0-3-12], [21:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	0.16	22-25	>566	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.30	18-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.32	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 281 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-0-7 oc bracing: 22-25
4-8-3 oc bracing: 21-22
5-11-10 oc bracing: 13-28.
WEBS 1 Row at midpt 4-21, 7-17

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

REACTIONS (lb/size) 2=47/0-3-8 (min. 0-1-8), 22=1346/0-3-8 (min. 0-2-4), 13=1277/0-3-8 (min. 0-2-1)
Max Horz 2=-193(LC 8)
Max Uplift2=-312(LC 8), 22=-348(LC 12), 13=-426(LC 9)
Max Grav 2=89(LC 27), 22=1594(LC 2), 13=1517(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-617/1277, 3-4=-342/305, 4-5=-1824/665, 5-6=-2264/628, 6-7=-1442/644, 7-8=-1229/619, 8-9=-1374/459, 9-10=-1334/1111, 10-11=-1225/956
BOT CHORD 2-22=-1192/701, 21-22=-1411/347, 20-21=-220/854, 19-20=-191/1743, 18-19=-152/1548, 17-18=-32/902, 16-17=-125/956, 15-16=-60/871, 14-15=-60/871, 13-14=-58/871, 11-13=-913/1246
WEBS 3-22=-1795/684, 3-21=-421/1840, 4-21=-1596/468, 4-20=0/579, 5-20=-776/27, 5-19=-134/1589, 6-19=-143/1062, 6-18=-976/247, 7-18=-166/799, 7-17=-364/137, 8-17=-467/192, 9-16=-563/398, 9-13=-2150/1272, 10-13=-291/288

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) and C-C Exterior(2) zone; cantilever right 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.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=312, 22=348, 13=426.
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

June 6,2012

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	ADAM'S FRAMING - LASTAS RES.
422674	T11G	CAL. PORCH TRUSS	1	1	I5570240
					Job Reference (optional)

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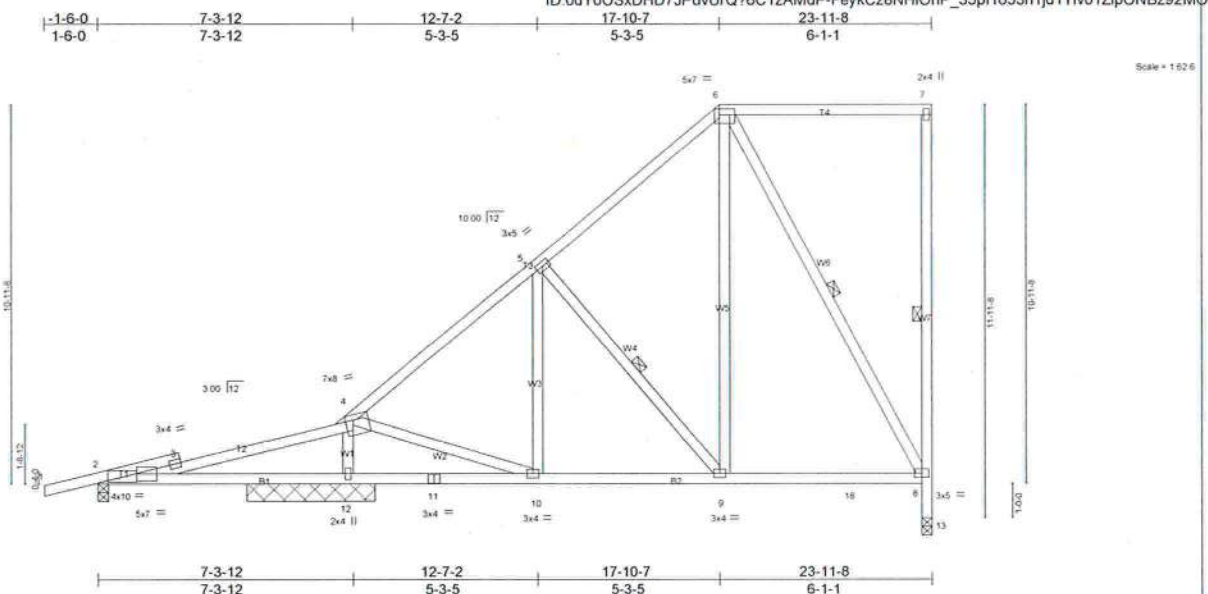

Plate Offsets (X,Y): [2:0-3-4,0-0-4], [2:1-1-4,0-0-10], [4:0-2-12,0-1-12], [6:0-5-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	0.23	12-16	>374	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	0.19	12-16	>450	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.03	13	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 162 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.
WEBS 1 Row at midpt 7-13, 5-9, 6-8

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

REACTIONS (lb/size) 2=233/0-3-8 (min. 0-1-8), 12=712/3-8-0 (min. 0-1-8), 13=514/0-3-8 (min. 0-1-8)
Max Horz 2=378(LC 12)
Max Uplift 2=-209(LC 8), 12=-191(LC 9), 13=-201(LC 12)
Max Grav 2=281(LC 2), 12=810(LC 2), 13=514(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-328/242, 3-4=-355/275, 4-5=-486/3, 5-6=-368/114, 8-13=-669/404
BOT CHORD 9-10=-317/502, 9-18=-172/279, 8-18=-172/279
WEBS 4-12=-803/388, 4-10=-196/493, 5-9=-347/224, 6-9=-140/325, 6-8=-562/347

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) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=209, 12=191, 13=201.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570241
422674	T12	SPECIAL	5	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:28 2012 Page 1

ID:0dYoOSxDHD7JPuvUrQ?6C1zAMdP-gCetq_BFZgnMGRngURapjiJUnq5iyFITFg22_Wz92ML

-1-6-0	7-3-12	12-2-4	17-10-7	23-1-3	28-4-0	34-11-8
1-6-0	7-3-12	4-10-8	5-8-3	5-2-12	5-2-12	6-7-8

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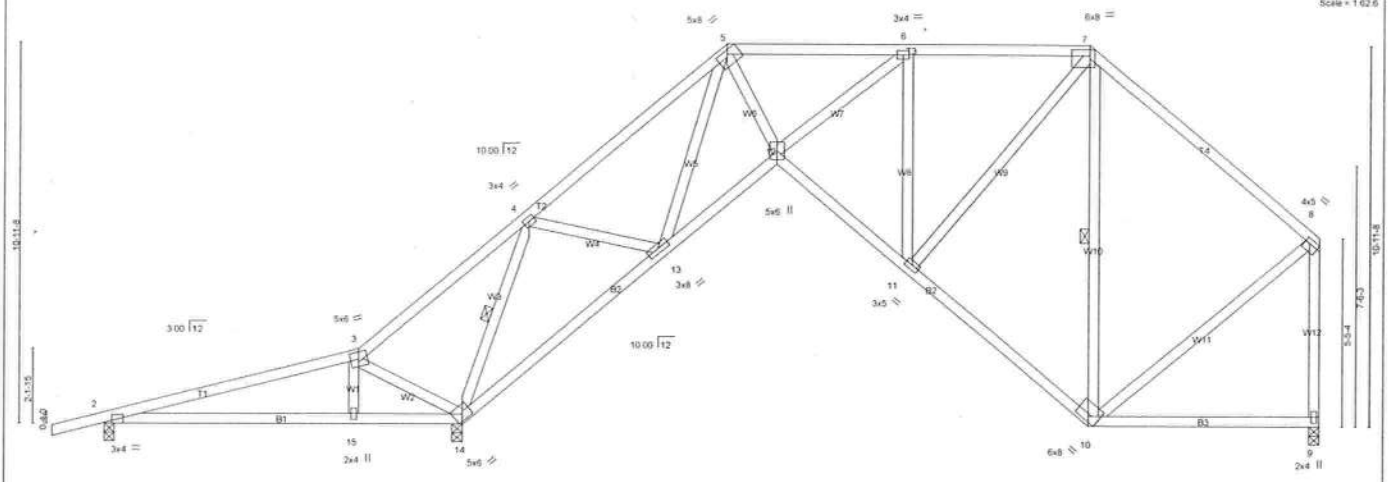

7-3-12	10-1-12	10-3-8	16-1-8	19-3-12	23-1-3	28-4-0	34-11-8
7-3-12	2-10-0	0-1-12	5-10-0	3-2-4	3-9-7	5-2-13	6-7-8

Plate Offsets (X,Y): [2:0-2-11,Edge], [5:0-4-0,0-1-4], [7:0-6-4,0-2-0], [8:0-1-12,0-1-8], [10:0-7-4,0-3-12], [14:0-3-0,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	0.15	15-18	>845	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.13	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.17	9	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 221 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W12: 2x4 SP No.2

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 4-14, 7-10

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

REACTIONS (lb/size) 2=184/0-3-8 (min. 0-1-8), 14=1176/0-3-8 (min. 0-1-15), 9=586/0-3-8 (min. 0-1-8)
Max Horz 2=272(LC 9)
Max Uplift2=-287(LC 8), 14=-435(LC 9), 9=-144(LC 13)
Max Grav 2=233(LC 27), 14=1394(LC 2), 9=694(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-782/970, 3-4=-542/864, 4-5=-767/312, 5-6=-1143/529, 6-7=-784/473, 7-8=-605/317, 8-9=-792/381
BOT CHORD 2-15=-1178/921, 14-15=-442/25, 12-13=-309/818, 11-12=-292/818, 10-11=-146/430
WEBS 3-15=-273/175, 3-14=-145/399, 4-14=-1579/837, 4-13=-155/541, 5-13=-732/281, 5-12=-276/844, 6-12=-190/502, 6-11=-586/281, 7-11=-194/493, 7-10=-437/191, 8-10=-104/368

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) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=287, 14=435, 9=144.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570242
422674	T13	SCISSOR	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:30 2012 Page 1

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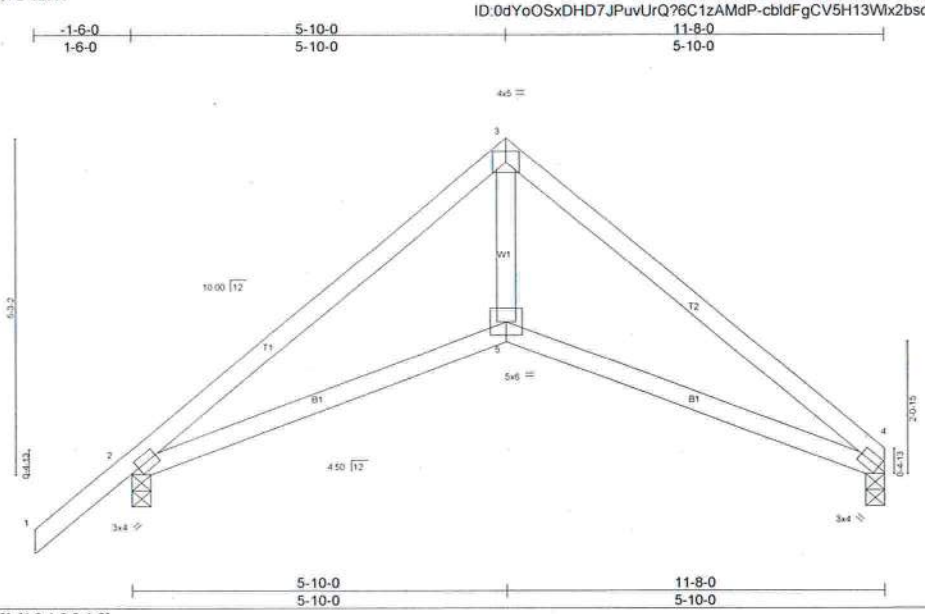

Plate Offsets (X,Y): [2:0-1-9,0-1-8], [4:0-1-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	0.08	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.10	5-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 49 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 5-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS (lb/size) 4=311/0-3-8 (min. 0-1-8), 2=385/0-3-8 (min. 0-1-8)
Max Horz 2=145(LC 9)
Max Uplift 4=-84(LC 13), 2=-117(LC 12)
Max Grav 4=368(LC 2), 2=460(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-774/250, 3-4=-774/247
BOT CHORD 2-5=-80/516, 4-5=-74/516
WEBS 3-5=-73/481

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) 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) 4, 2 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) 4 except (jt=lb) 2=117.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T13G	GABLE	1	1	I5570243
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:32 2012 Page 1

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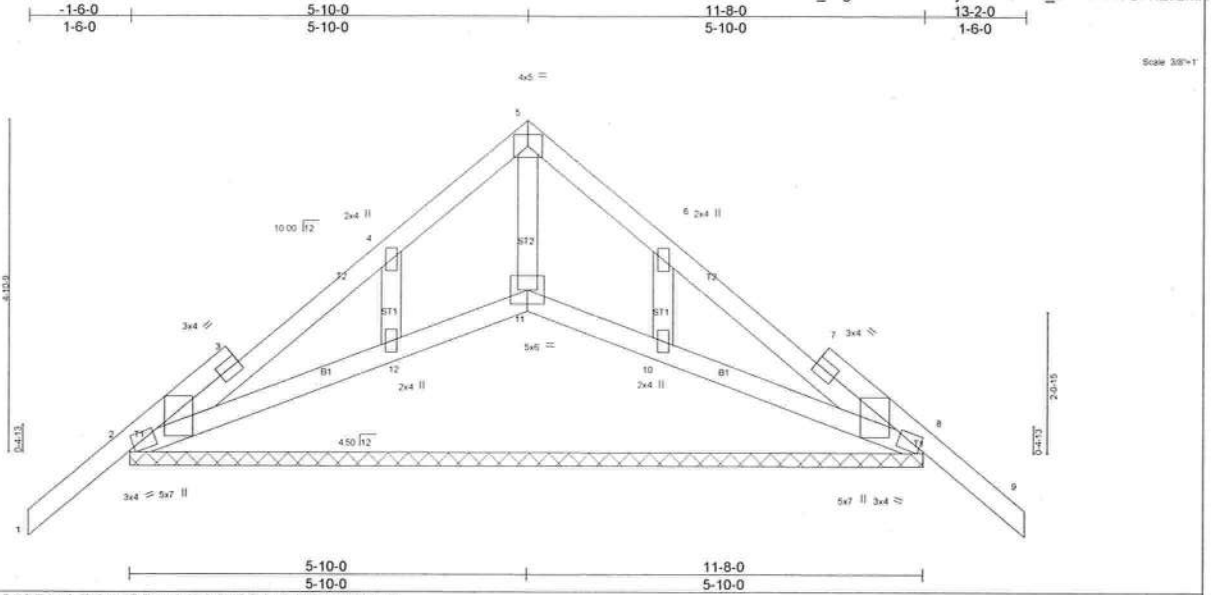

Plate Offsets (X,Y): [2:0-5-10,Edge], [2:0-4-15,Edge], [8:0-5-10,Edge], [8:0-4-15,Edge]

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)	-0.00	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 59 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 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 11-8-0.
(lb) - Max Horz 2=157(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 2=-119(LC 13), 8=-141(LC 13), 12=-222(LC 12), 10=-225(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11 except 12=273(LC 21), 10=276(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-12=-338/239, 6-10=-337/239

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;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=119, 8=141, 12=222, 10=225.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 11, 12, 10.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570244
422674	T14	SPECIAL	6	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:34 2012 Page 1

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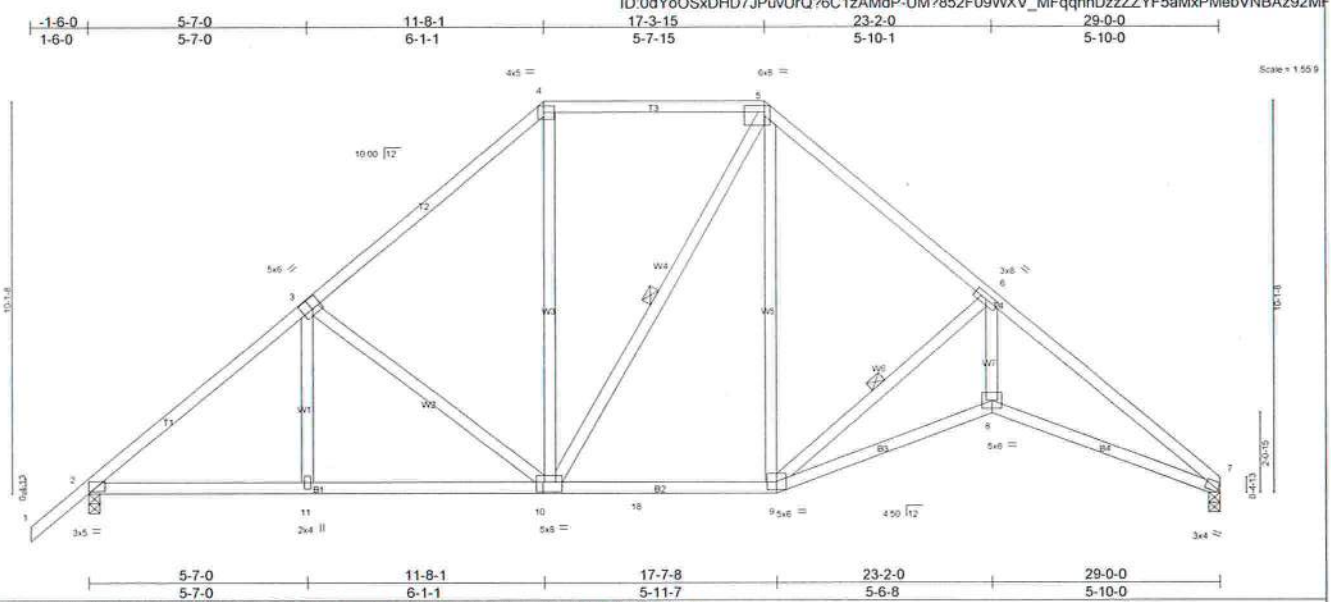

Plate Offsets (X,Y): [2:0-5-0,0-0-10], [3:0-3-0,0-3-4], [4:0-3-4,0-2-0], [5:0-6-4,0-2-0], [9:0-3-0,0-2-6], [10:0-2-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.12	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.23	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.15	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 179 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-0 oc bracing.
WEBS 1 Row at midpt 5-10, 6-9

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

REACTIONS (lb/size) 7=836/0-3-8 (min. 0-1-8), 2=902/0-3-8 (min. 0-1-8)
Max Horz 2=270(LC 9)
Max Uplift 7=-205(LC 13), 2=-238(LC 12)
Max Grav 7=923(LC 2), 2=1014(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1527/642, 3-4=-1242/631, 4-5=-944/579, 5-6=-1255/648, 6-7=-2549/1028
BOT CHORD 2-11=-585/1466, 10-11=-376/1055, 10-18=-124/663, 9-18=-124/663, 8-9=-719/1963, 7-8=-721/1962
WEBS 3-10=-503/326, 4-10=-170/381, 5-9=-194/402, 6-9=-1552/719, 6-8=-477/1422

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=205, 2=238.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570245
422674	T14G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:37 2012 Page 1

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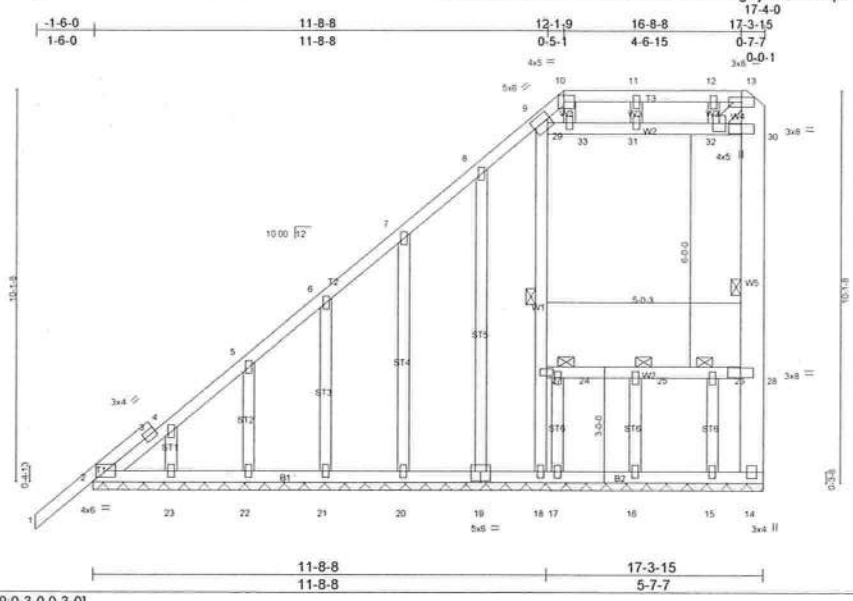

Plate Offsets (X,Y): [10:0-3-4,0-2-0], [19:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 168 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	W5: 2x8 SYP DSS
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 13-14, 9-18
JOINTS	1 Brace at Jt(s): 24, 25, 26

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

REACTIONS All bearings 17-4-0.

(lb) - Max Horz 2=539(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 2, 23, 17, 15 except 14=-143(LC 9), 22=-150(LC 12), 21=-137(LC 12), 20=-144(LC 12), 19=-121(LC 12), 18=-117(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 2, 14, 23, 22, 21, 20, 19, 17, 16, 15, 18

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

TOP CHORD 2-3=-533/432, 3-4=-525/450, 4-5=-495/389, 5-6=-382/300, 6-7=-276/216

WEBS 9-29=-252/191, 13-32=-222/283

NOTES (12-14)

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 and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 23, 17, 15 except (jt=lb) 14=143, 22=150, 21=137, 20=144, 19=121, 18=117.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570246
422674	T15	SPECIAL	5	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:39 2012 Page 1

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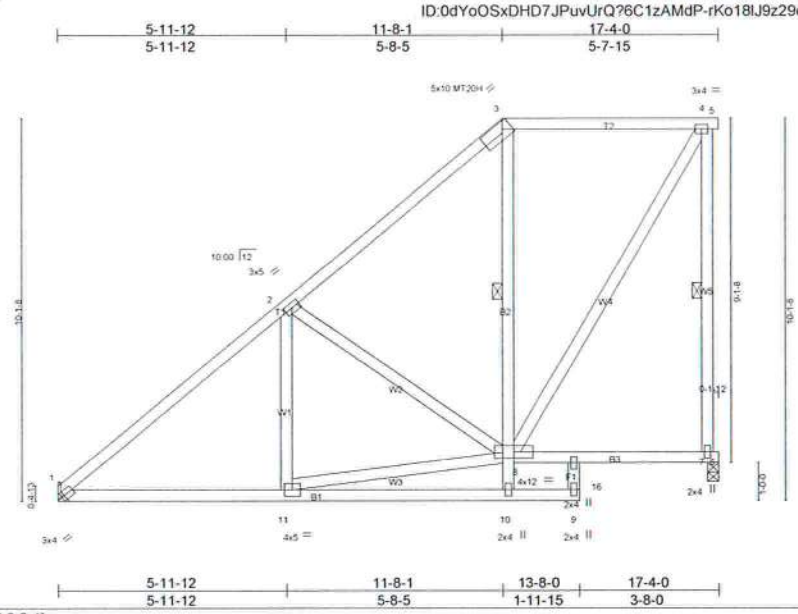

Plate Offsets (X,Y): [1:0-1-9,0-1-8], [3:0-7-4,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.03	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.06	7-8	>999	180	MT20H	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 128 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *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 3-8
10-0-0 oc bracing: 8-10
WEBS 1 Row at midpt 4-7

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

REACTIONS (lb/size) 1=479/Mechanical, 7=553/0-3-8 (min. 0-1-8)
Max Horz 1=338(LC 12)
Max Uplift 1=-66(LC 12), 7=-199(LC 12)
Max Grav 1=558(LC 2), 7=558(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-709/343, 2-3=-443/139, 3-4=-331/193, 4-7=-687/433
BOT CHORD 1-11=-1210/1653
WEBS 8-11=-406/665, 2-8=-428/277, 4-8=-372/636

NOTES (9-12)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 7=199.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570247
422674	T16	SPECIAL	2	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:40 2012 Page 1

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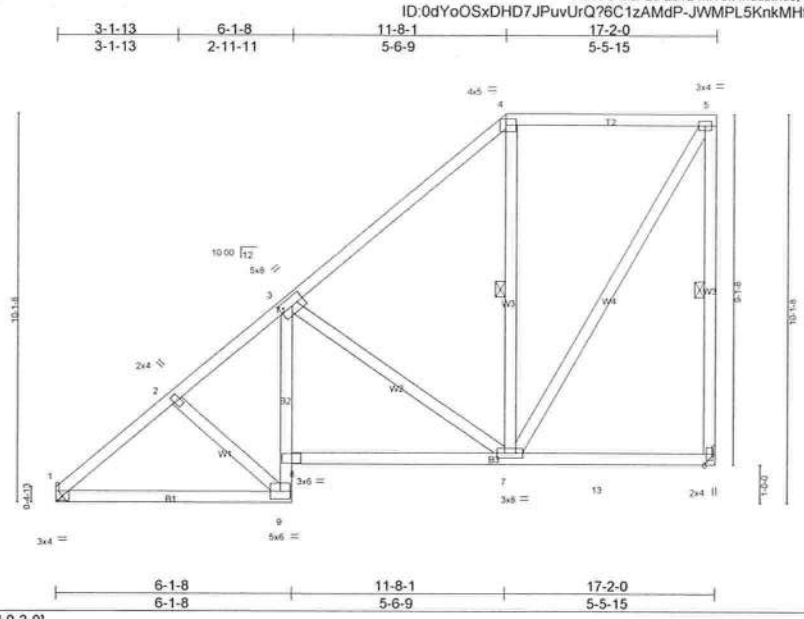

Plate Offsets (X,Y): [1:0-2-1,0-1-8], [4:0-3-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.13	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.18	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.14	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 119 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 7-9-2 oc bracing.
WEBS 1 Row at midpt 5-6, 4-7

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

REACTIONS (lb/size) 1=471/Mechanical, 6=534/Mechanical
Max Horz 1=338(LC 12)
Max Uplift 1=-65(LC 12), 6=-211(LC 12)
Max Grav 1=550(LC 2), 6=540(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-779/191, 2-3=-678/185, 3-4=-442/149, 4-5=-333/204, 5-6=-688/441
BOT CHORD 1-9=-746/1119, 7-8=-519/815
WEBS 3-7=-583/381, 5-7=-396/648

NOTES (8-11)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=211.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570248
422674	T17	SCISSORS	6	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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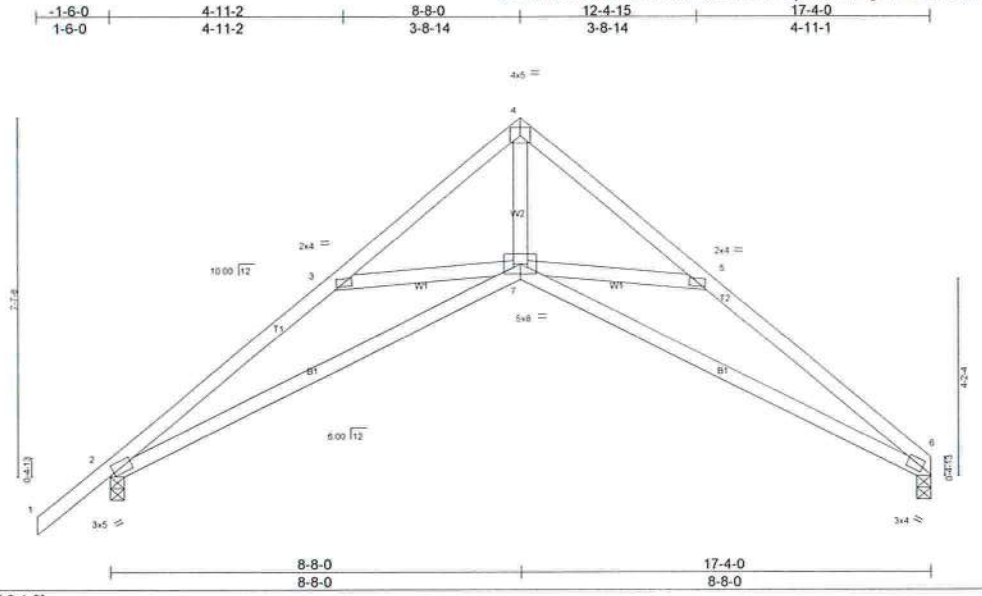

Plate Offsets (X,Y): [6:0-0-15,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.15	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.30	7-10	>701	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.21	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 82 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 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-4 oc bracing.

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

REACTIONS (lb/size) 6=465/0-3-8 (min. 0-1-8), 2=537/0-3-8 (min. 0-1-8)
Max Horz 2=205(LC 9)
Max Uplift6=-127(LC 13), 2=-158(LC 12)
Max Grav 6=551(LC 2), 2=639(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1848/651, 3-4=-1311/359, 4-5=-1311/360, 5-6=-1850/666
BOT CHORD 2-7=-447/1486, 6-7=-467/1489
WEBS 4-7=-307/1329, 5-7=-523/406, 3-7=-519/389

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) 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) 6, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=127, 2=158.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570249
422674	T17G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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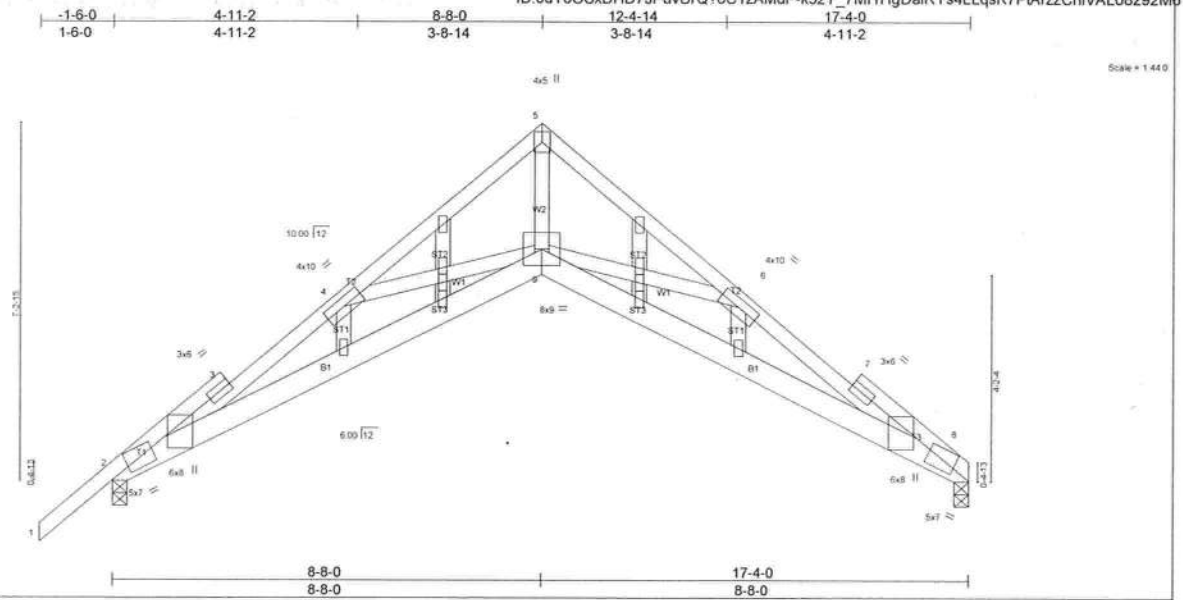

Plate Offsets (X,Y): [2:0-4-12,0-0-8], [2:1-3-11,Edge], [8:0-4-12,0-0-8], [8:1-3-11,Edge], [10:0-1-10,0-1-0], [12:0-2-4,0-1-0], [15:0-1-10,0-1-0], [17:0-2-4,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.15	9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.26	9	>772	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(TL)	0.31	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 110 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SYP M 31 *Except* T1,T3: 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 3-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-3 oc bracing.

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

REACTIONS (lb/size) 2=752/0-3-8 (min. 0-1-8), 8=635/0-3-8 (min. 0-1-8)
Max Horz 2=245(LC 9)
Max Uplift2=-428(LC 12), 8=-340(LC 13)
Max Grav 2=895(LC 2), 8=752(LC 2)

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

TOP CHORD 2-3=-3249/1246, 3-4=-3146/1239, 4-5=-2083/630, 5-6=-2084/669, 6-7=-3174/1186, 7-8=-3278/1192
BOT CHORD 2-9=-1171/2742, 8-9=-976/2775
WEBS 5-9=-657/2144, 6-9=-1124/719, 4-9=-1094/688

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 studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=428, 8=340.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
14) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
15) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES. I5570249
422674	T17G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:43 2012 Page 2
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LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-65(F=-21), 5-8=-65(F=-21), 2-9=-10, 8-9=-10

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T18	SPECIAL	2	1	I5570250
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:46 2012 Page 1

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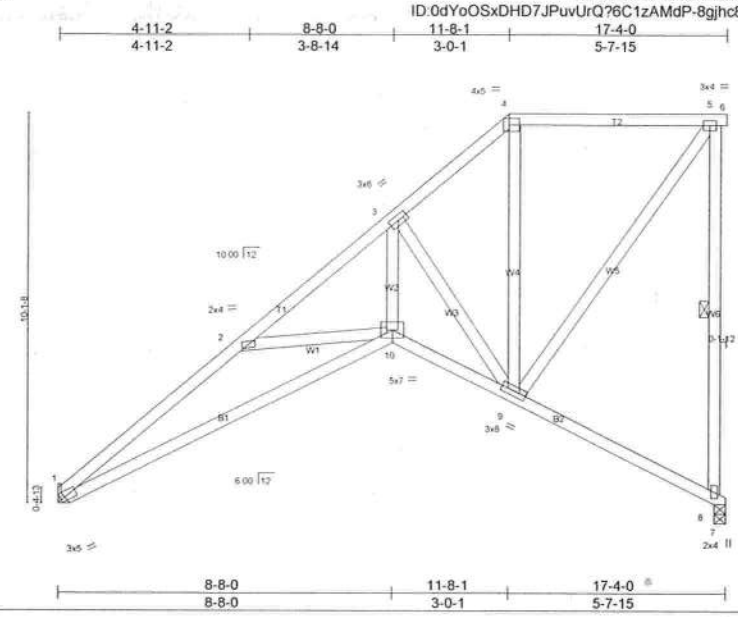

Plate Offsets (X,Y): [4:0-3-4,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.16	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.31	10-13	>651	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.19	8	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 115 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-2-12 oc bracing.
WEBS 1 Row at midpt 5-8

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

REACTIONS (lb/size) 1=460/Mechanical, 8=466/0-3-8 (min. 0-1-8)
Max Horz 1=338(LC 12)
Max Uplift 1=-61(LC 12), 8=-216(LC 12)
Max Grav 1=545(LC 2), 8=551(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1948/984, 2-3=-1418/704, 3-4=-524/258, 4-5=-404/248, 5-8=-697/457
BOT CHORD 1-10=-1245/1885, 9-10=-817/1308
WEBS 2-10=-510/374, 3-10=-858/1436, 3-9=-1361/857, 5-9=-418/679

NOTES (9-12)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Bearing at joint(s) 8 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 except (jt=lb) 8=216.
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

June 6,2012

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	ADAM'S FRAMING - LASTAS RES.	I5570251
422674	T19	COMMON	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:48 2012 Page 1

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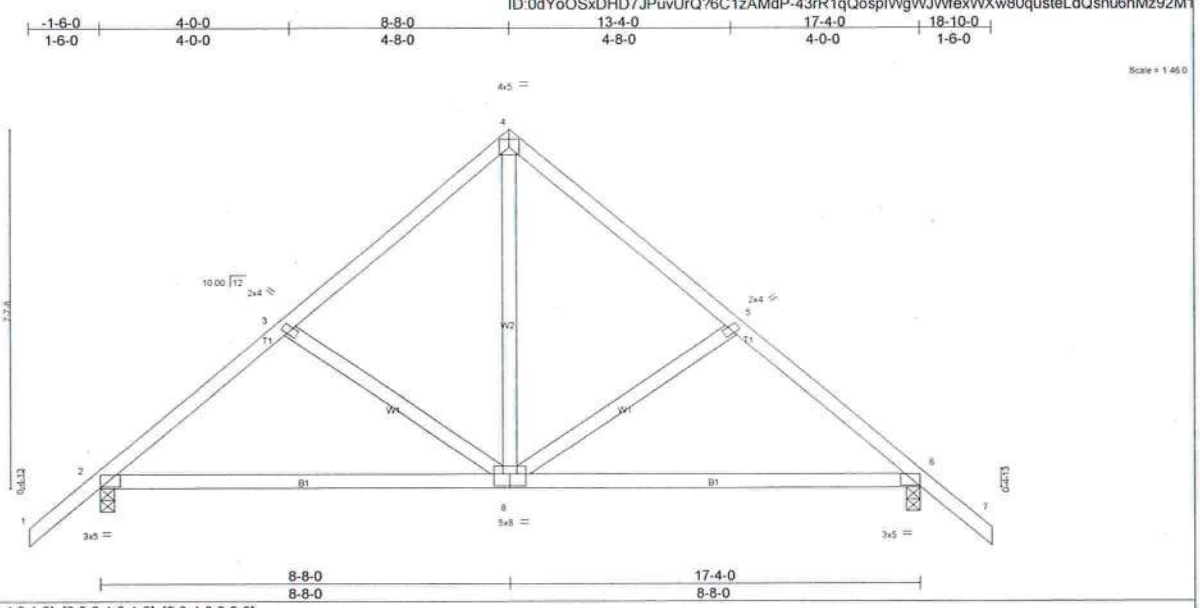


Plate Offsets (X,Y): [2:0-3-1,0-1-8], [6:0-3-1,0-1-8], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.07	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.13	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 93 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 5-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

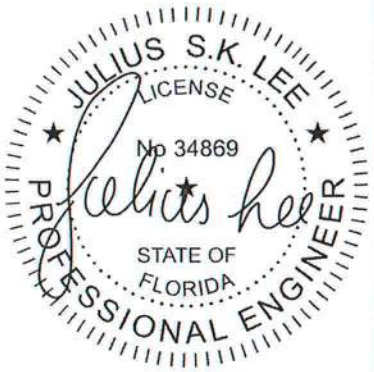
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=534/0-3-8 (min. 0-1-8), 6=534/0-3-8 (min. 0-1-8)
Max Horz 2=-186(LC 8)
Max Uplift 2=-158(LC 12), 6=-158(LC 13)
Max Grav 2=636(LC 2), 6=636(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-896/379, 3-4=-702/335, 4-5=-702/335, 5-6=-896/379
BOT CHORD 2-8=-158/871, 6-8=-161/937
WEBS 4-8=-237/476, 5-8=-348/259, 3-8=-348/259

NOTES (8-10)
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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=158, 6=158.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570252
422674	T19G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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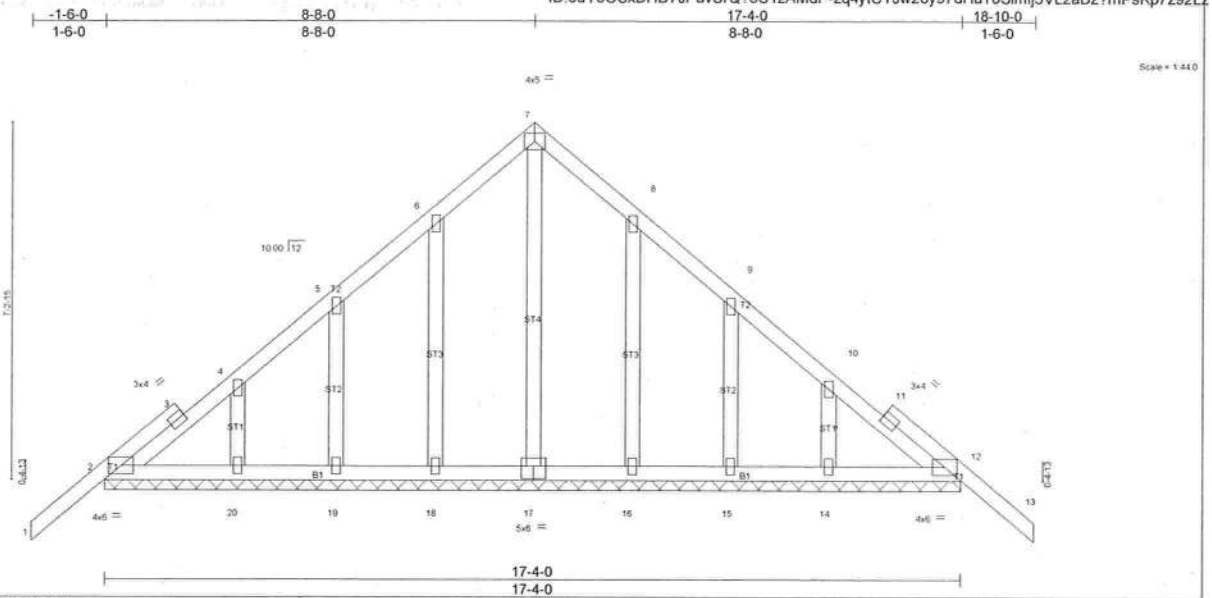

Plate Offsets (X,Y): [17:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.01	12	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 110 lb	FT = 20%

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

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

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

REACTIONS All bearings 17-4-0.
(lb) - Max Horz 2=-230(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12 except 18=-141(LC 12), 19=-148(LC 12), 20=-111(LC 12), 16=-138(LC 13), 15=-148(LC 13), 14=-117(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14

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

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12 except (jt=lb) 18=141, 19=148, 20=111, 16=138, 15=148, 14=117.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

June 6,2012

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	ADAM'S FRAMING - LASTAS RES.	I5570253
422674	T20	COMMON	1	2	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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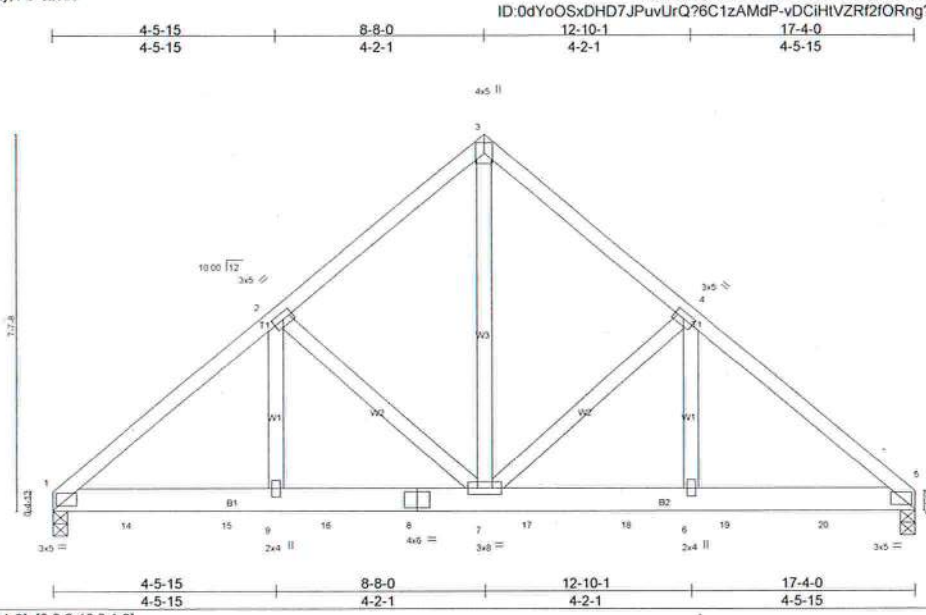

Plate Offsets (X,Y): [1:0-2-10,0-1-8], [5:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.05	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.10	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix-M)							Weight: 221 lb	FT = 20%

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

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

REACTIONS (lb/size) 1=2345/0-3-8 (min. 0-1-10), 5=2309/0-3-8 (min. 0-1-10)
Max Horz 1=-184(LC 4)
Max Uplift 1=-416(LC 8), 5=-410(LC 9)
Max Grav 1=2757(LC 2), 5=2708(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3620/557, 2-3=-2426/443, 3-4=-2427/444, 4-5=-3575/550
BOT CHORD 1-14=-444/2754, 14-15=-444/2754, 9-15=-444/2754, 9-16=-444/2754, 8-16=-444/2754, 7-8=-444/2754, 7-17=-372/2719, 17-18=-372/2719, 6-18=-372/2719, 6-19=-372/2719, 19-20=-372/2719, 5-20=-372/2719
WEBS 3-7=-465/2796, 4-7=-1230/307, 4-6=-164/1322, 2-7=-1276/313, 2-9=-172/1381

NOTES (11-13)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=416, 5=410.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 535 lb down and 71 lb up at 1-7-4, 548 lb down and 76 lb up at 3-7-4, 548 lb down and 76 lb up at 5-7-4, 548 lb down and 76 lb up at 7-7-4, 548 lb down and 76 lb up at 9-7-4, 548 lb down and 76 lb up at 11-7-4, and 540 lb down and 74 lb up at 13-7-4, and 540 lb down and 74 lb up at 15-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2

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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	T20	COMMON	1	2	I5570253
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:54 2012 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, 3-5=-44, 1-5=-10

Concentrated Loads (lb)

Vert: 8=-469(B) 14=-450(B) 15=-469(B) 16=-469(B) 17=-469(B) 18=-469(B) 19=-462(B) 20=-462(B)

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	V05	VALLEY	1	1	I5570254
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:55 2012 Page 1

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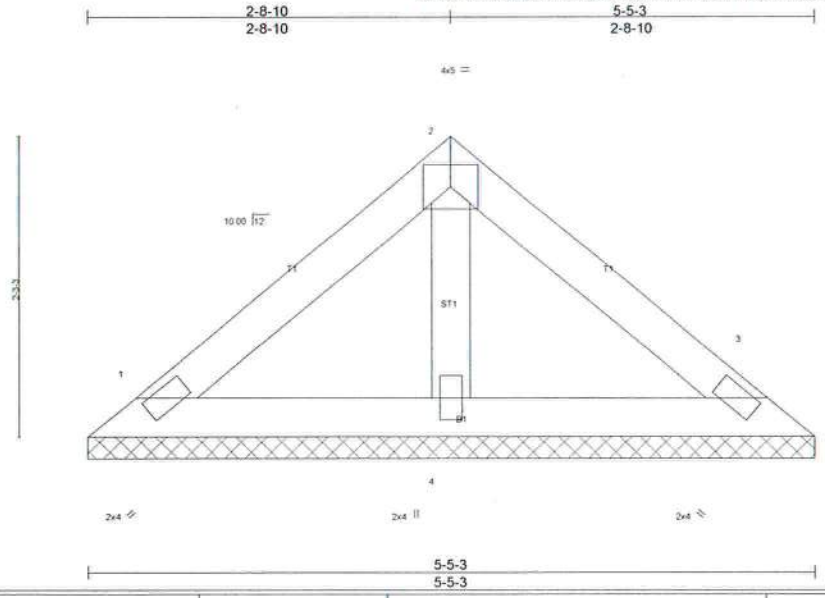

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 20 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-3 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) 1=75/5-5-3 (min. 0-1-8), 3=75/5-5-3 (min. 0-1-8), 4=101/5-5-3 (min. 0-1-8)
Max Horz 1=49(LC 11)
Max Uplift 1=-30(LC 12), 3=-34(LC 13), 4=-10(LC 12)
Max Grav 1=90(LC 2), 3=90(LC 2), 4=117(LC 2)

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

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	V09	VALLEY	1	1	I5570255
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:56 2012 Page 1

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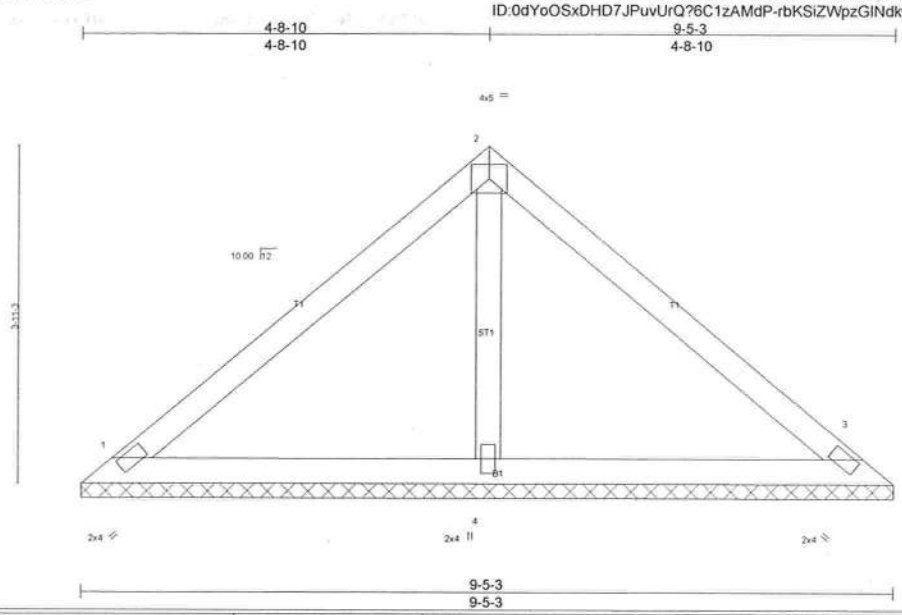

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 36 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 1=128/9-5-3 (min. 0-1-8), 3=128/9-5-3 (min. 0-1-8), 4=210/9-5-3 (min. 0-1-8)
Max Horz 1=-92(LC 8)
Max Uplift 1=-44(LC 12), 3=-52(LC 13), 4=-40(LC 12)
Max Grav 1=153(LC 2), 3=153(LC 2), 4=246(LC 2)

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

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.
422674	V10	VALLEY	1	1	I5570256
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:21:58 2012 Page 1

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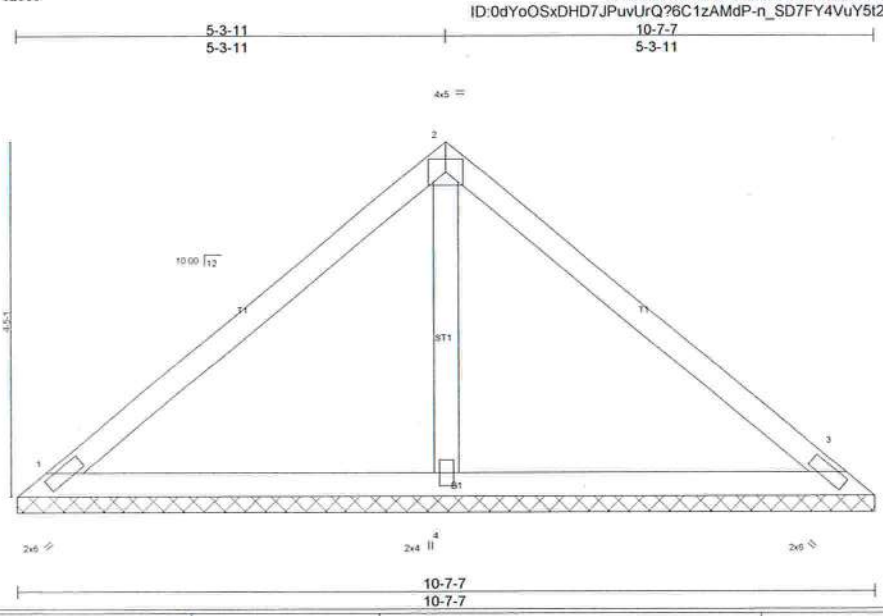

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 41 lb	FT = 20%

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

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

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

REACTIONS (lb/size) 1=145/10-7-7 (min. 0-1-8), 3=145/10-7-7 (min. 0-1-8), 4=239/10-7-7 (min. 0-1-8)
Max Horz 1=104(LC 9)
Max Uplift 1=-50(LC 12), 3=-59(LC 13), 4=-46(LC 12)
Max Grav 1=174(LC 2), 3=174(LC 2), 4=280(LC 2)

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

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
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

June 6,2012

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	ADAM'S FRAMING - LASTAS RES.
422674	V11	GABLE	1	1	I5570257
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:22:00 2012 Page 1

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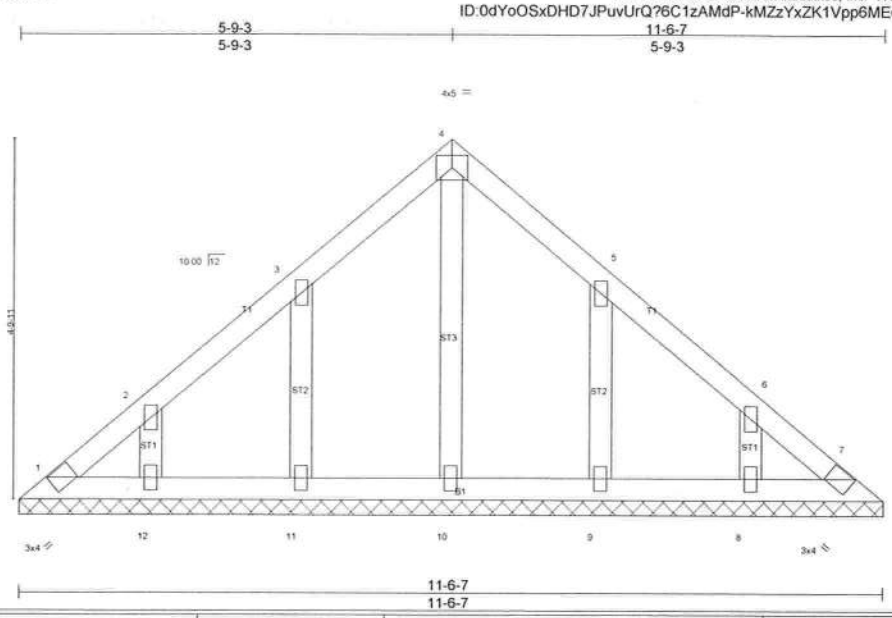


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 55 lb	FT = 20%

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

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

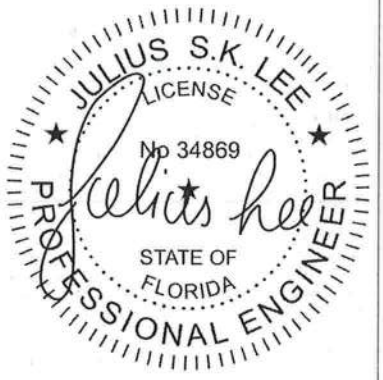
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 11-6-7.
(lb) - Max Horz 1=-114(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 11, 12, 9, 8.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570258
422674	V13	VALLEY	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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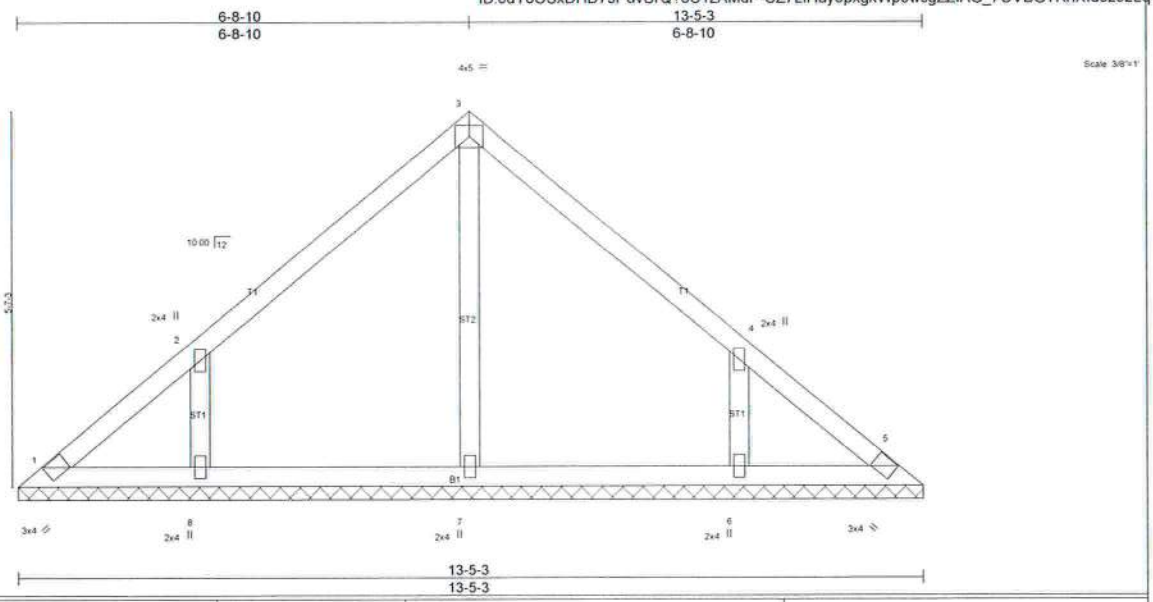

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 57 lb	FT = 20%

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

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

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

REACTIONS All bearings 13-5-3.
(lb) - Max Horz 1=-134(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-174(LC 12), 6=-174(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=284(LC 21), 6=284(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-360/281, 4-6=-360/281

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=174, 6=174.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570259
422674	V14	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:22:03 2012 Page 1

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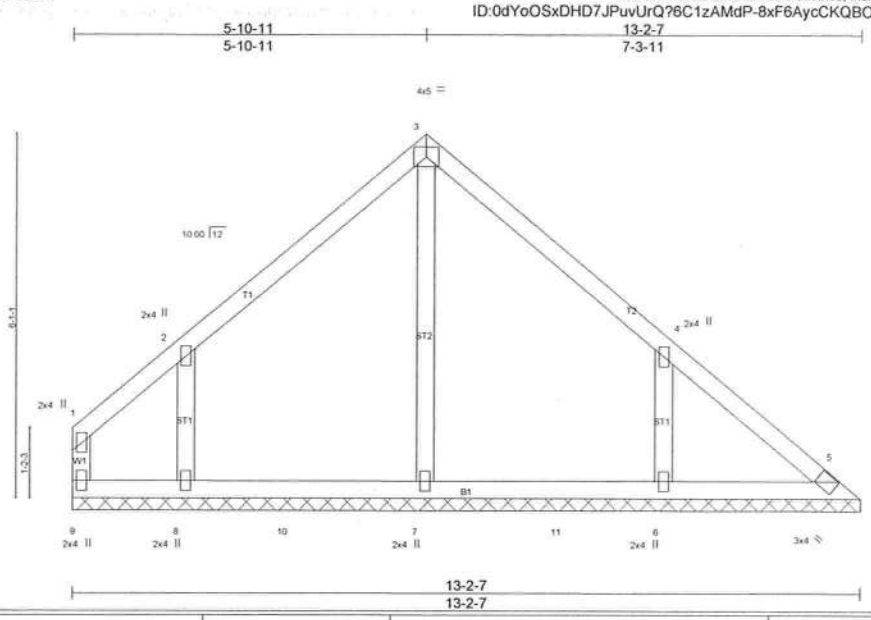

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 61 lb	FT = 20%

LUMBER

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

BRACING

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

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

REACTIONS All bearings 13-2-7.

(lb) - Max Horz 9=-145(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 9, 5 except 8=-189(LC 12), 6=-185(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 9, 5 except 7=305(LC 1), 8=285(LC 21), 6=303(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-352/281, 4-6=-380/296

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 9, 5 except (jt=lb) 8=189, 6=185.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570260
422674	V18	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:22:05 2012 Page 1

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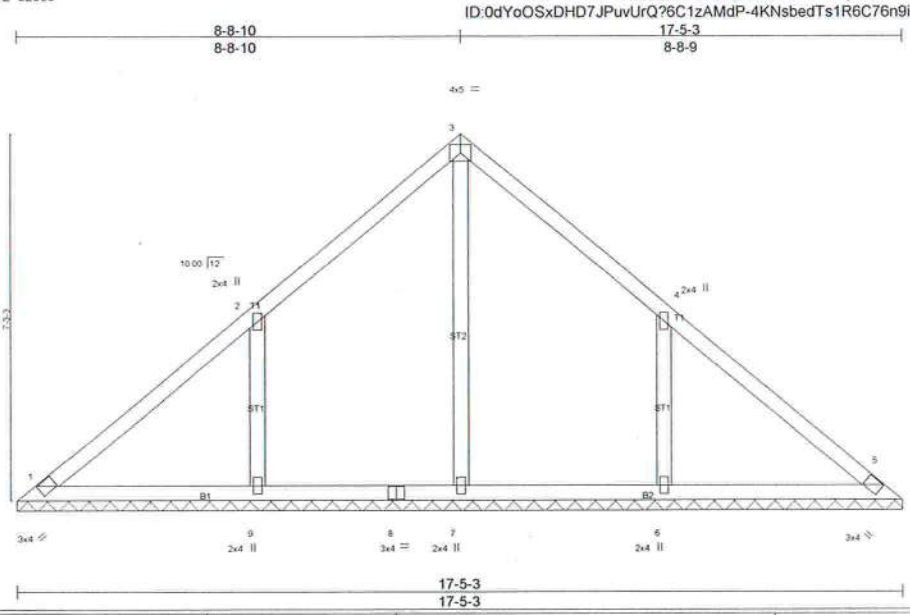

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 78 lb	FT = 20%

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

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

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

REACTIONS All bearings 17-5-3.
(lb) - Max Horz 1=-176(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-224(LC 12), 6=-224(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=272(LC 1), 9=370(LC 21), 6=370(LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-450/340, 4-6=-450/340

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) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 1 except (jt=lb) 9=224, 6=224.
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

June 6,2012

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

Job	Truss	Truss Type	Qty	Ply	ADAM'S FRAMING - LASTAS RES.	I5570261
422674	V25	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Jun 06 09:22:09 2012 Page 1

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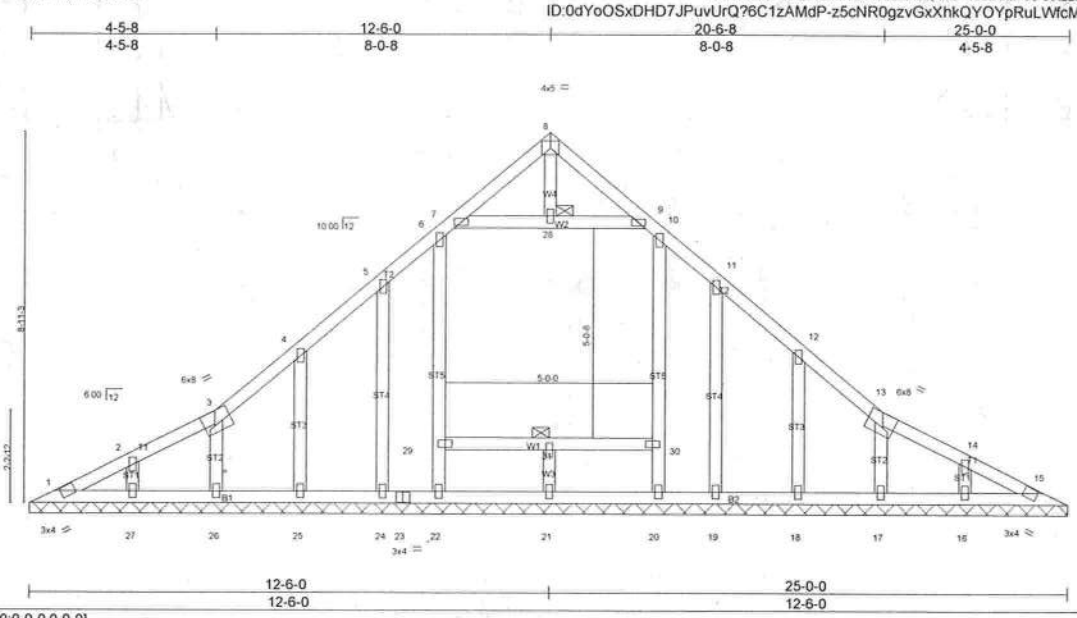


Plate Offsets (X,Y): [10:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	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	0.08	Horz(TL)	0.01	15	n/a	n/a		
BCDL	5.0	Code FBC2010/TPI2007		(Matrix)							Weight: 151 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 28, 31

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

REACTIONS All bearings 25-0-0.
(lb) - Max Horz 1=243(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 15, 22, 26, 17 except 24=-104(LC 12), 25=-157(LC 12), 27=-107(LC 12), 19=-108(LC 13), 18=-158(LC 13), 16=-107(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 15, 22, 20, 24, 25, 26, 27, 19, 18, 17, 16, 21

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-194/253

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) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 15, 22, 26, 17 except (jt=lb) 24=104, 25=157, 27=107, 19=108, 18=158, 16=107.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

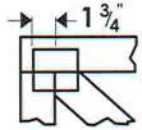
LOAD CASE(S) Standard

June 6,2012

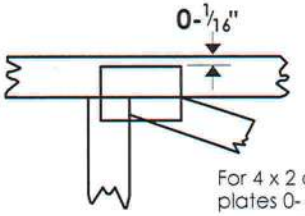
Julius Lee PE.
1109 Coastal Bay
Boynton Beach,FL 33435

Symbols

PLATE LOCATION AND ORIENTATION



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



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

This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

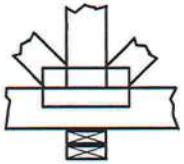
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING



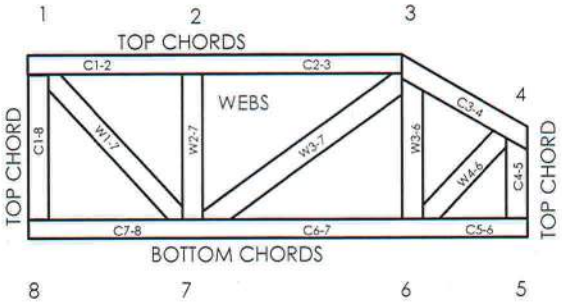
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

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

MiTek Industries, Inc.

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

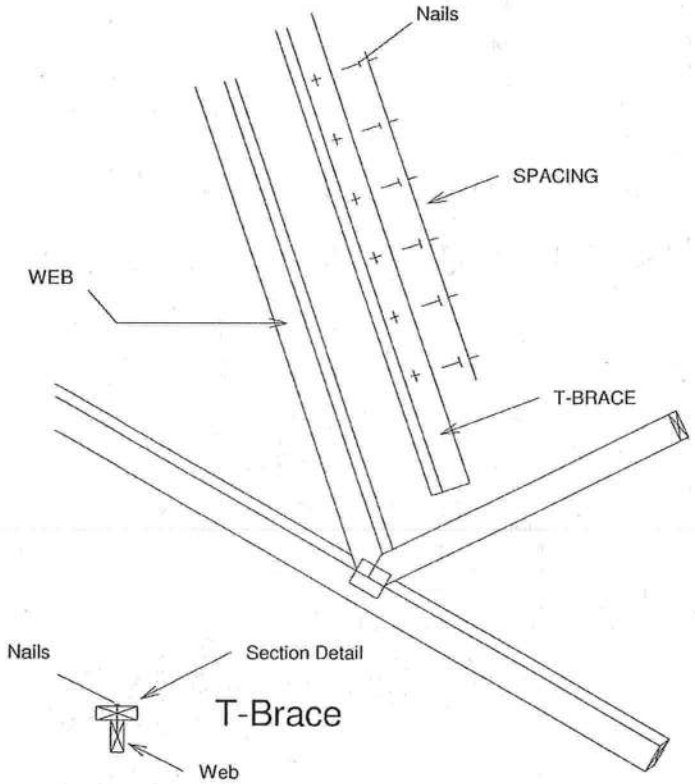
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

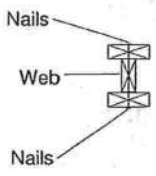
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

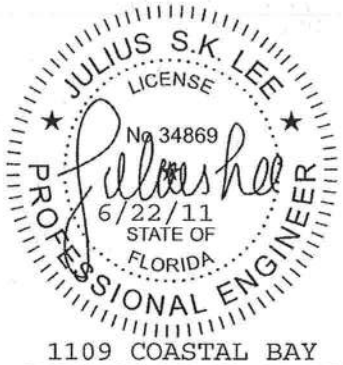
	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

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

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







1109 COASTAL BAY
BOYNTON BC, FL 33435

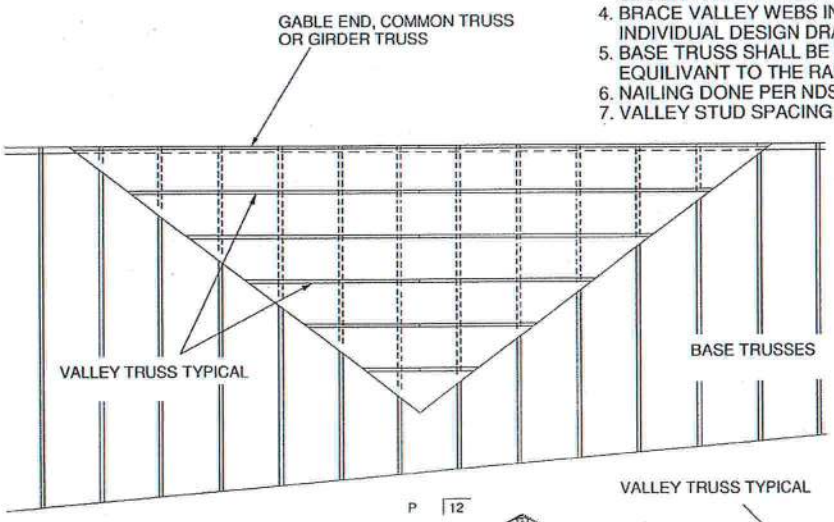
FEBRUARY 14, 2012	TRUSSED VALLEY SET DETAIL	ST-VALLEY HIGH WIND1

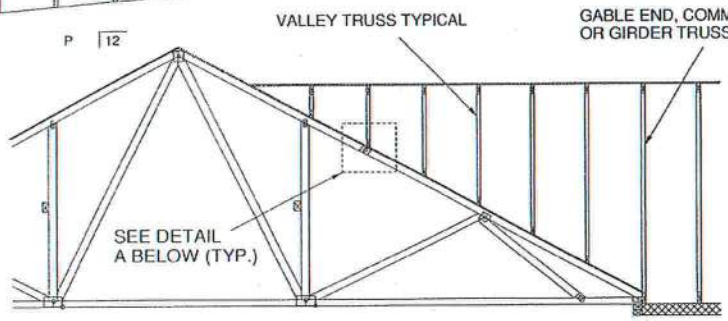
MiTek Industries, Chesterfield, MO

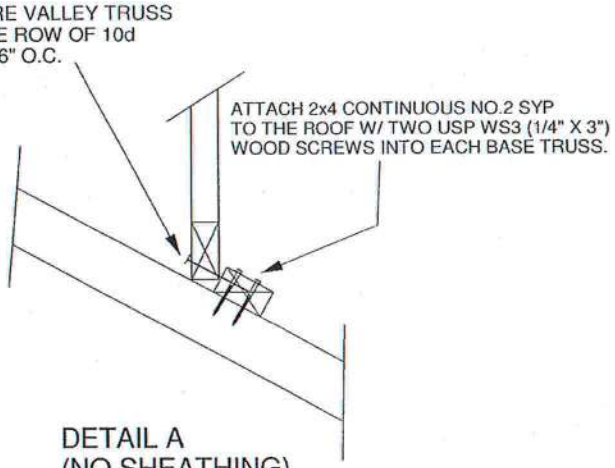
MiTek Industries, Inc.

GENERAL SPECIFICATIONS

1. NAIL SIZE = 3" X 0.131" = 10d
2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT
   DO NOT USE DRYWALL OR DECKING TYPE SCREW
3. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
4. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
5. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUILIVANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
6. NAILING DONE PER NDS - 01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.

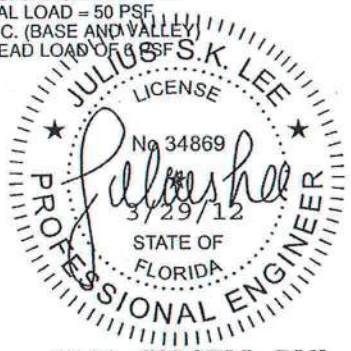






DETAIL A
(NO SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF ON THE TRUSSES



1109 COASTAL BAY
BOYNTON BC, FL 33435

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

MiTek Industries, Inc.

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

	TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)					
	DIAM.	SYP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

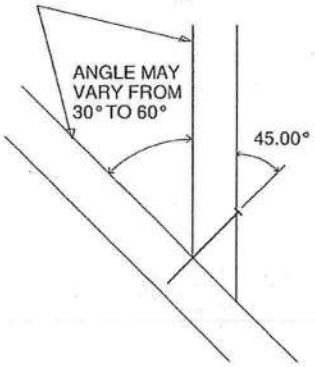
SIDE VIEW

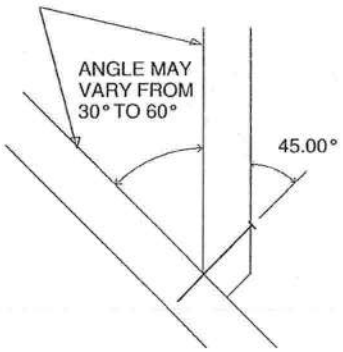
3 NAILS

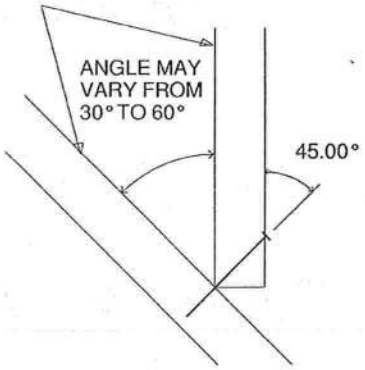
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

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

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







1109 COASTAL BAY
BOYNTON BC, FL 33435

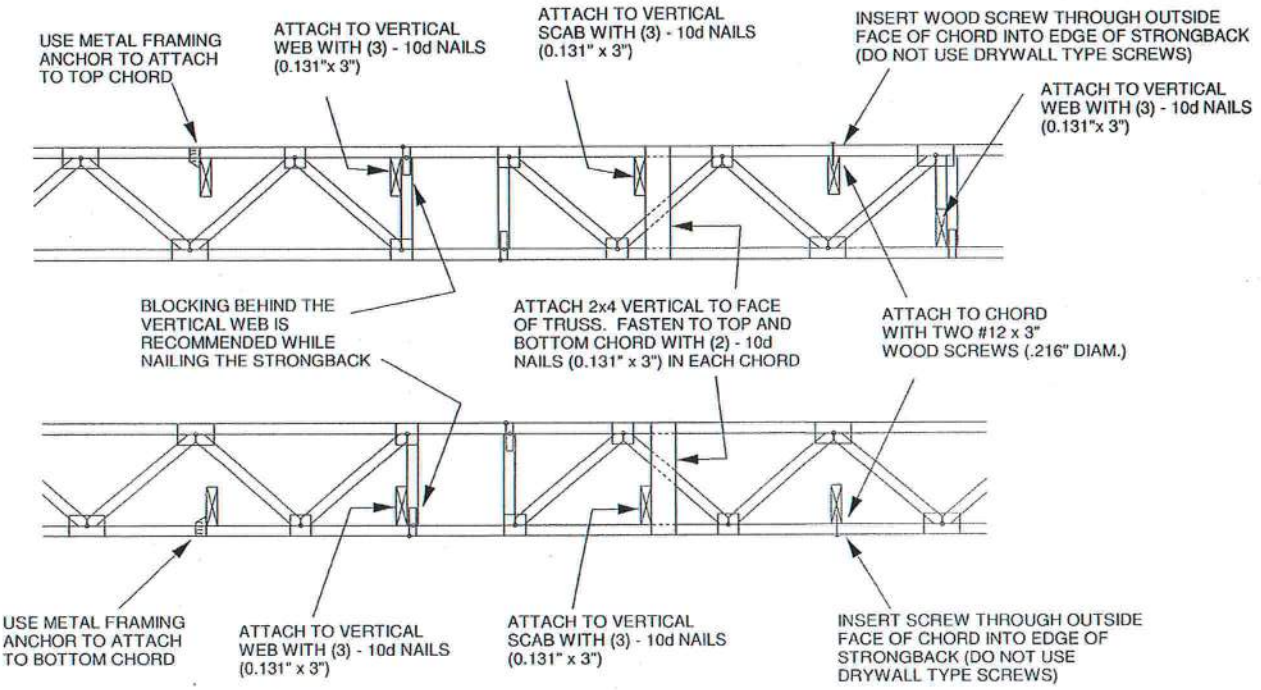
FEBRUARY 8, 2008	LATERAL BRACING RECOMMENDATIONS	ST-STRGBCK

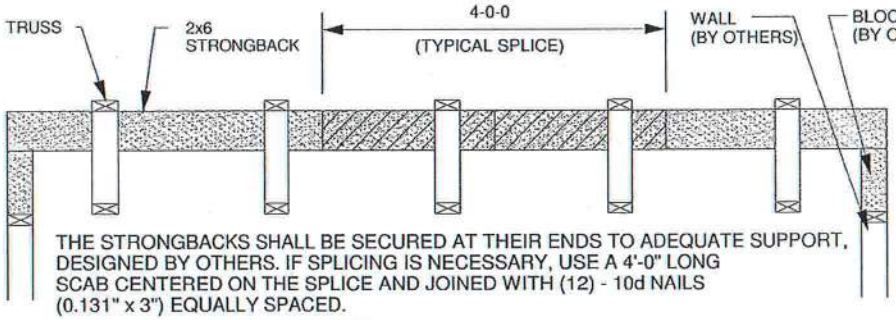
MiTek Industries, Inc.

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

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

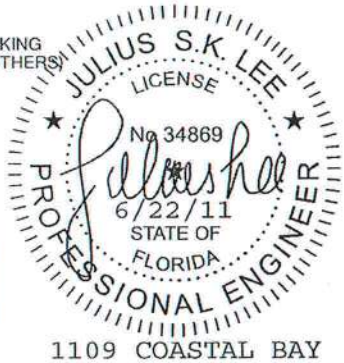
NOTE 2: STRONGBACK BRACING ALSO SATISFIES THE LATERAL BRACING REQUIREMENTS FOR THE BOTTOM CHORD OF THE TRUSS WHEN IT IS PLACED ON TOP OF THE BOTTOM CHORD, IS CONTINUOUS FROM END TO END, CONNECTED WITH A METHOD OTHER THAN METAL FRAMING ANCHOR, AND PROPERLY CONNECTED, BY OTHERS, AT THE ENDS.





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

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



1109 COASTAL BAY
BOYNTON BC, FL 33435

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

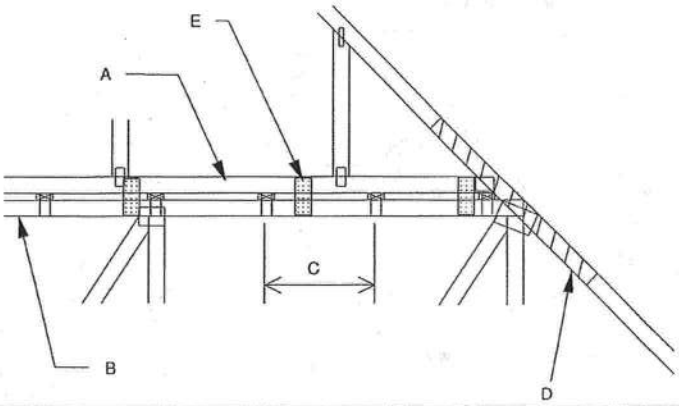
MiTek Industries, Chesterfield, MO

MiTek Industries, Inc.

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

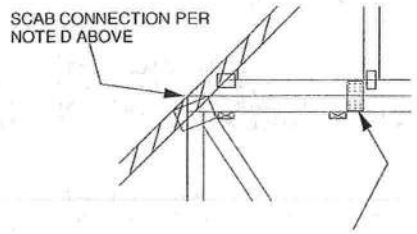
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5" TOE NAILED.
B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT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

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

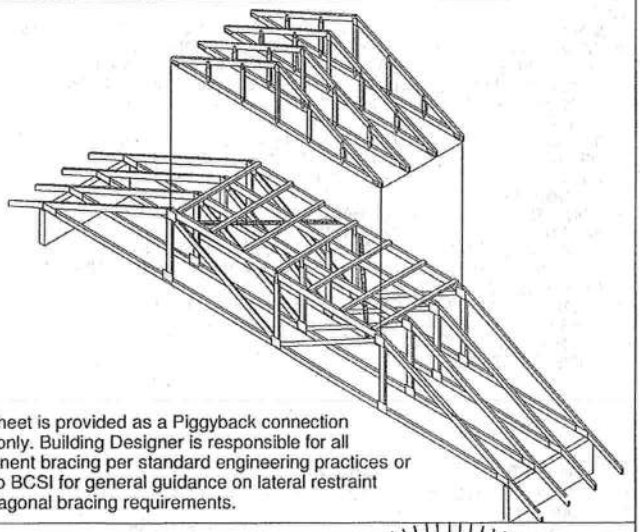


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

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

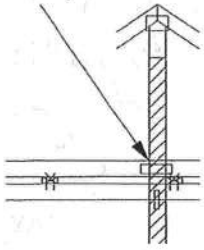


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



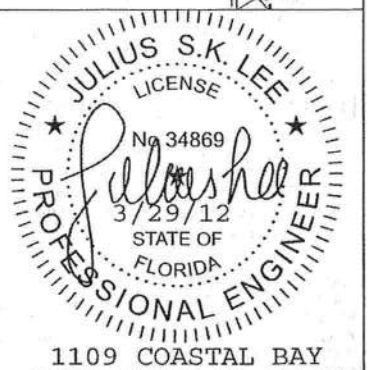
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



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

1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.

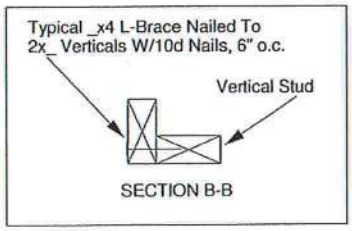


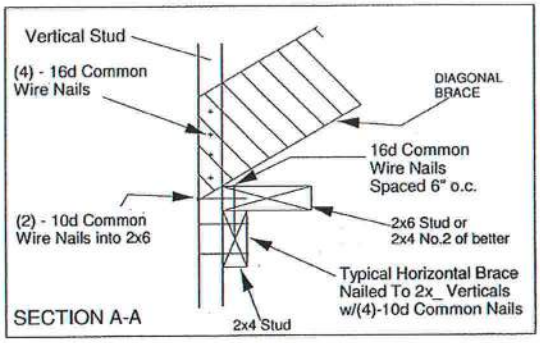
1109 COASTAL BAY
BOYNTON BC, FL 33435

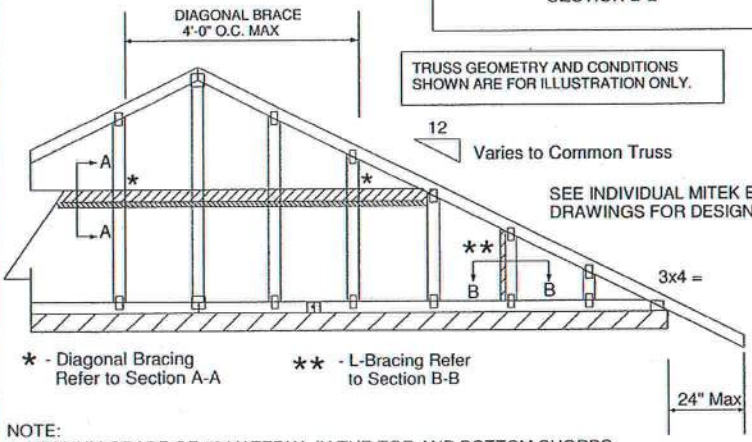
FEBRUARY 14, 2012	Standard Gable End Detail	ST-GE130-001

MiTek Industries, Chesterfield, MO

MiTek Industries, Inc.







TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

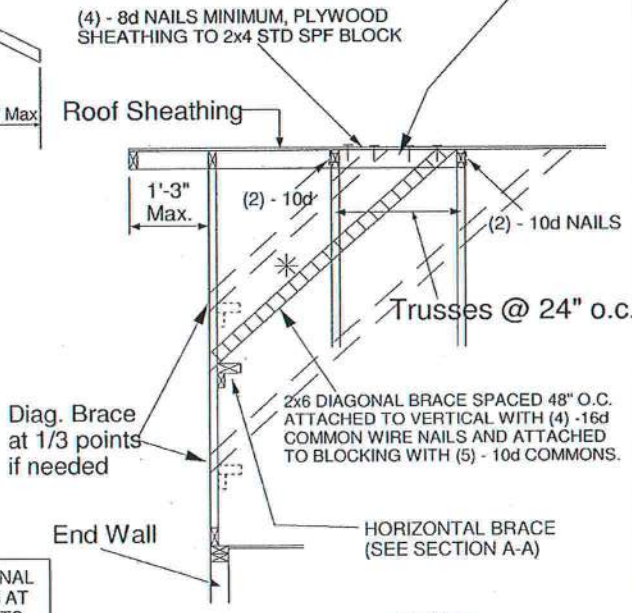
12 Varies to Common Truss

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

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



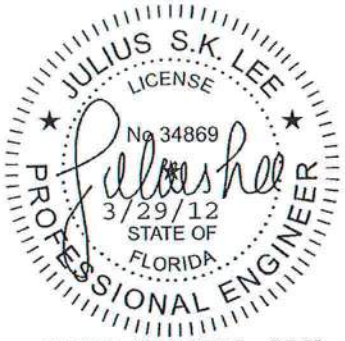
NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF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

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

✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d common wire nails 8in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING. CONNECTION OF BRACING IS BASED ON MWFRS.



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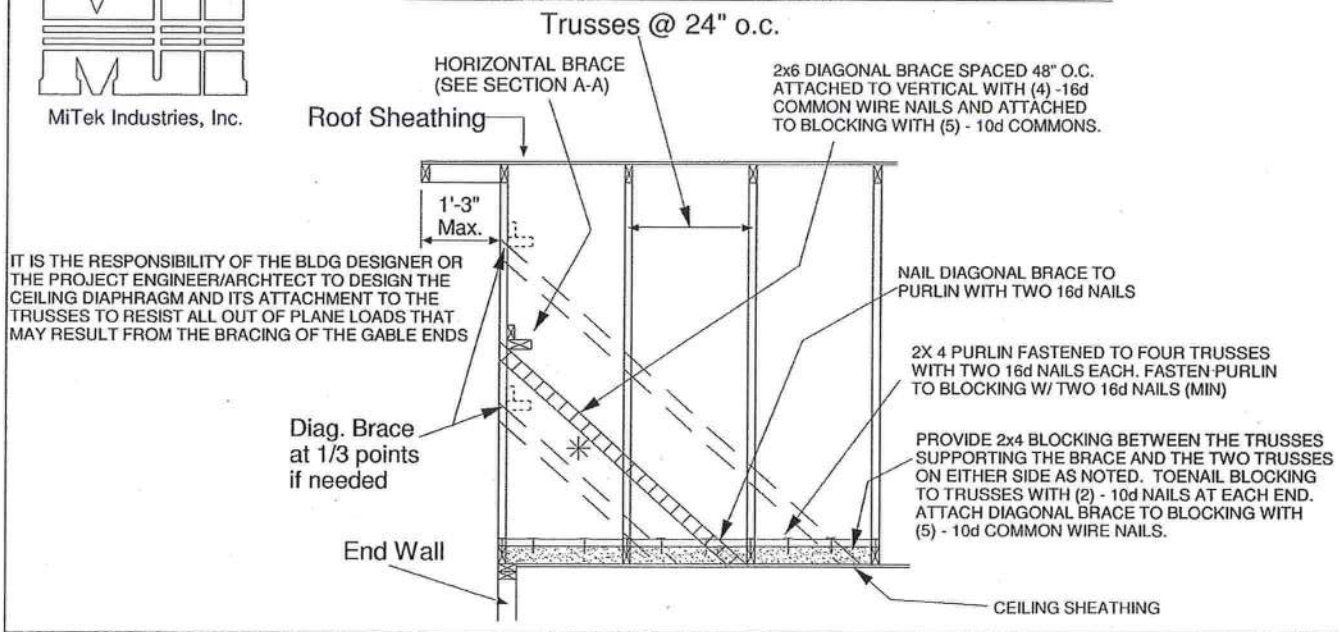
FEBRUARY 14, 2012	Standard Gable End Detail	SHEET 2

MiTek Industries, Inc.

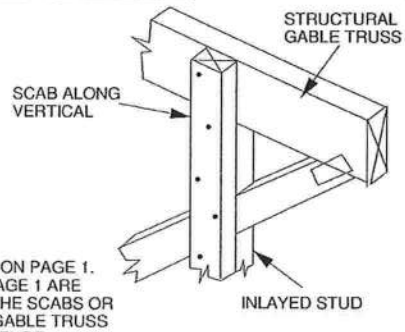
ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



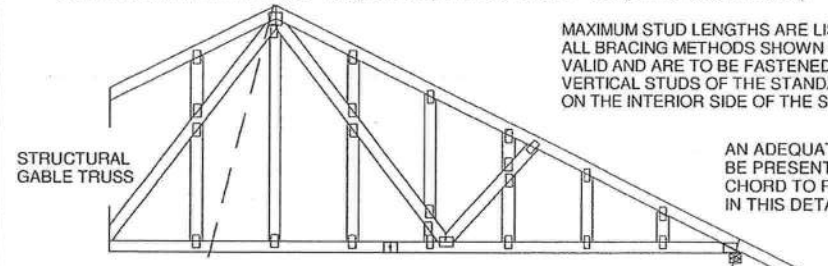
BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED:
METHOD 1 : ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE.
METHOD 2 : ATTACH 2X _ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

NAILING SCHEDULE:
- FOR WIND SPEEDS 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) OR LESS, NAIL ALL MEMBERS WITH ONE ROW OF 10d (.131" X 3") NAILS SPACED 6" O.C.
- FOR WIND SPEEDS GREATER 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) NAIL ALL MEMBERS WITH TWO ROWS OF 10d (.131" X 3") NAILS SPACED 6" O.C. (2X 4 STUDS MINIMUM)

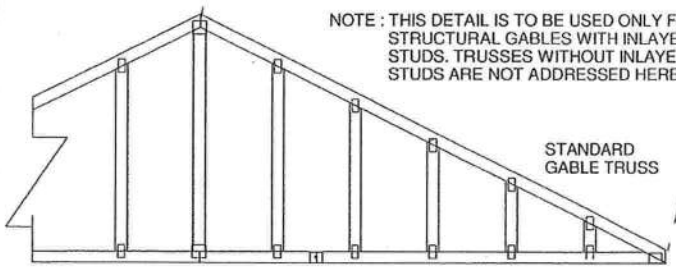


MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1. ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



AN ADEQUATE DIAPHRAGM OR OTHER METHOD OF BRACING MUST BE PRESENT TO PROVIDE FULL LATERAL SUPPORT OF THE BOTTOM CHORD TO RESIST ALL OUT OF PLANE LOADS. THE BRACING SHOWN IN THIS DETAIL IS FOR THE VERTICAL/STUDS ONLY.

NOTE : THIS DETAIL IS TO BE USED ONLY FOR STRUCTURAL GABLES WITH INLAYED STUDS. TRUSSES WITHOUT INLAYED STUDS ARE NOT ADDRESSED HERE.



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