

Julius Lee

RE: 371420 -

**1109 Coastal Bay Blvd.
Boynton Beach, FL 33435**

Site Information:

Project Customer: Dreambuilder Custom Homes Project Name: 371420 Model: 2347
Lot/Block: 6 Subdivision: The Sanctuary
Address:
City: Duval State: Florida

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: Pontigo, Luis Antonio, PE License #: 53311
Address: 420 Osceola Ave.
City: Jacksonville Beach State: Florida

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

Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.3
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: 55.0 psf
Roof Load: 55.0 psf

This package includes 7 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

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

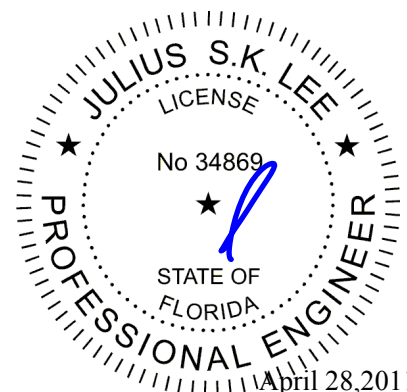
No.	Seal#	Truss Name	Date
1	I4718559	F01	4/28/011
2	I4718560	F02	4/28/011
3	I4718561	F03	4/28/011
4	I4718562	FKW	4/28/011
5	I4718563	TG01	4/28/011
6	I4718564	TG02	4/28/011
7	I4718565	TG03	4/28/011

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.



Job 371420	Truss F01	Truss Type FLOOR	Qty 5	Ply 1	i4718559
Builders FirstSource, Jacksonville, FL 32244			Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 16:43:37 2011 Page 1		
ID:HMwzqgQS0_eeKYNuEI3mEzc0hp-UB2DVYCQmaJRsqT7YKuTPLVMzETmcwkLcBLKCMzM7dg					

1-3-0

2-0-6

Scale = 1:19.8

13
1.5x3 ||

12
3x4 =

11
3x6 =

10
1.5x3 ||

9
3x3 =

8
3x5 =

7
1.5x3 ||

11'-4"-14" / 11'-4"-14"

Plate Offsets (X,Y): [6'-0"-1'-8",Edge]									
LOADING (psf)	SPACING 2'-0"-0"	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 40.0	Plates Increase 1.00	TC 0.49	Vert(LL)	-0.10 9-10	>999	360	MT20	244/190	
TCDL 10.0	Lumber Increase 1.00	BC 0.64	Vert(TL)	-0.13 9-10	>999	240			
BCLL 0.0	Rep Stress Incr YES	WB 0.30	Horz(TL)	0.02 7	n/a	n/a			
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)							
							Weight: 59 lb FT = 11%F, 11%E		

LUMBER

TOP CHORD 4 X 2 SYP No.2

BOT CHORD 4 X 2 SYP No.2

WEBS 4 X 2 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6'-0"-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10'-0"-0 oc bracing.

REACTIONS (lb/size) 13=620/Mechanical, 7=620/0-1-10

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

TOP CHORD 1-13=-606/0, 6-7=-613/0, 1-2=-539/0, 2-3=-1402/0, 3-4=-1402/0, 4-5=-1272/0, 5-6=-559/0

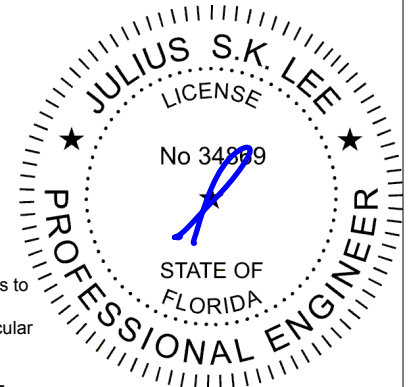
BOT CHORD 11-12=0/1061, 10-11=0/1402, 9-10=0/1402, 8-9=0/1077

WEBS 6-8=0/760, 1-12=0/733, 5-8=-720/0, 2-12=-725/0, 5-9=0/307, 2-11=0/573, 4-9=-310/0, 3-11=-253/0

NOTES (7-11)

- Unbalanced floor live loads have been considered for this design.
- All bearings are assumed to be SYP No.2 .
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10'-0"-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 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.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- Use Simpson LUS46 to attach Truss to Carrying member

LOAD CASE(S) Standard



April 28,2011

Job 371420	Truss F02	Truss Type FLOOR	Qty 5	Ply 1	Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 16:43:38 2011 Page 1 ID:HMwzggQS0_eeKYNuEI3mEzc0hp-yNccjuD2XtRIU_2J61PiyZZVweJXLKaVrr4tkozM7dp
---------------	--------------	---------------------	----------	----------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Builders FirstSource, Jacksonville, FL 32244

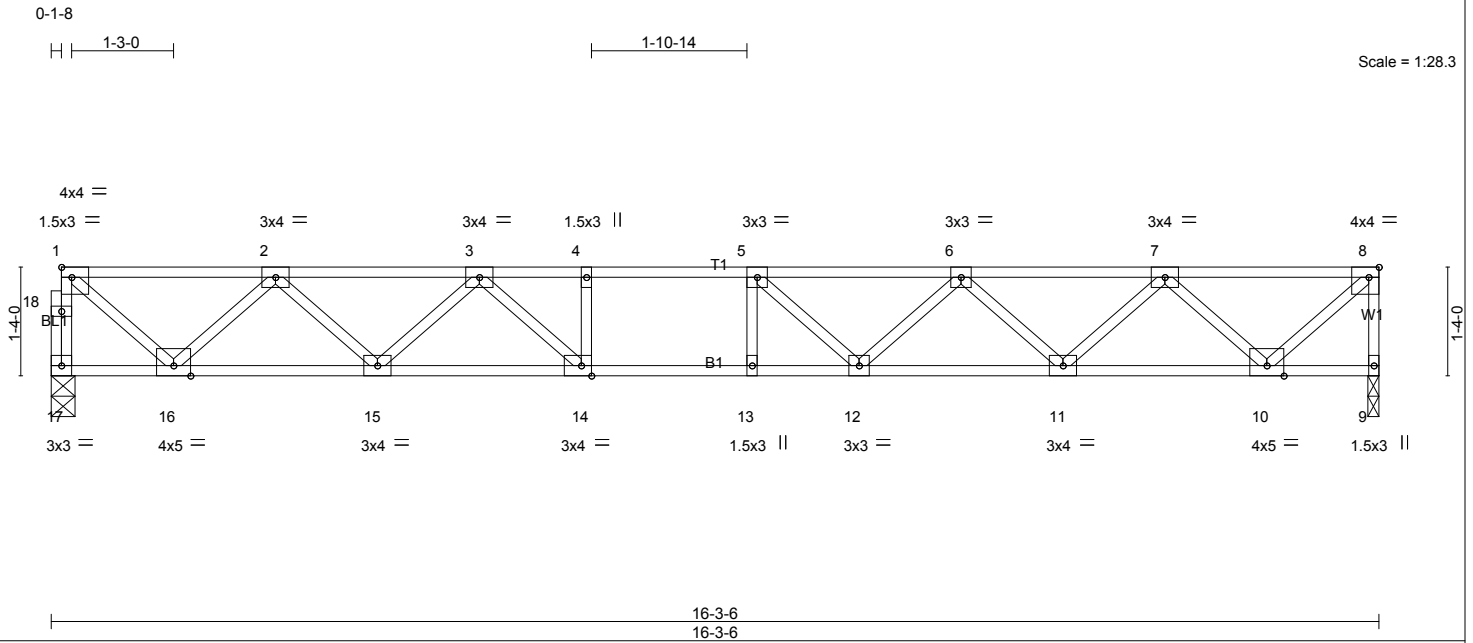


Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.60	Vert(LL)	-0.18 12-13	>999	360	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.99	Vert(TL)	-0.28 12-13	>685	240		
BCLL 0.0	Lumber Increase 1.00	WB 0.46	Horz(TL)	0.05 9	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2007/TPI2002						Weight: 83 lb	FT = 11%F, 11%E

LUMBER

TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 13-14,12-13.

REACTIONS (lb/size) 17=879/0-3-8, 9=885/0-1-10

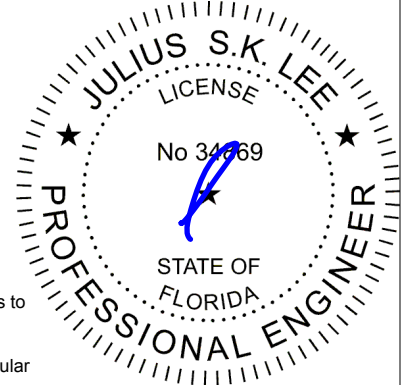
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 17-18=-876/0, 1-18=-875/0, 8-9=-880/0, 1-2=-886/0, 2-3=-2119/0, 3-4=-2904/0, 4-5=-2904/0, 5-6=-2773/0, 6-7=-2113/0, 7-8=-842/0
BOT CHORD 15-16=0/1658, 14-15=0/2577, 13-14=0/2904, 12-13=0/2904, 11-12=0/2582, 10-11=0/1622
WEBS 8-10=0/1144, 1-16=0/1143, 7-10=-1085/0, 2-16=-1074/0, 7-11=0/683, 2-15=0/641, 6-11=-652/0, 3-15=-636/0, 6-12=0/376, 3-14=0/660, 5-12=-423/85, 4-14=-290/0

NOTES (7-10)

- Unbalanced floor live loads have been considered for this design.
- All bearings are assumed to be SYP No.2.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- 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.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 28, 2011

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 BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 371420	Truss F03	Truss Type FLOOR	Qty 9	Ply 1	i4718561
Builders FirstSource, Jacksonville, FL 32244			Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 16:43:38 2011 Page 1 ID:HMwzgqQS0_eeKynMuEI3mEzc0hp-yNccjuD2XtRIU_2J61PiyZ2VQemQLKTVrr4tkozM7dp		

0-1-8

0-1-8
Scale = 1:28.6

LOADING (psf) TCCL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.00 Lumber Increase 1.00 Rep Stress Incr YES Code FBC2007/TPI2002	CSI TC 0.63 BC 0.81 WB 0.47 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.19 12-13 >999 360 Vert(TL) -0.29 12-13 >667 240 Horz(TL) 0.05 9 n/a n/a
------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------

PLATES MT20 Weight: 85 lb	GRIP 244/190 FT = 11%F, 11%E
-----------------------------------------	--------------------------------------------

LUMBER

TOP CHORD 4 X 2 SYP No.2

BOT CHORD 4 X 2 SYP No.1D

WEBS 4 X 2 SYP No.3

REACTIONS (lb/size) 17=891/0-3-0, 9=891/0-3-0

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

TOP CHORD 17-18=-888/0, 1-18=-887/0, 9-19=-886/0, 8-19=-885/0, 1-2=-900/0, 2-3=-2156/0, 3-4=-2978/0, 4-5=-2978/0, 5-6=-2847/0, 6-7=-2175/0, 7-8=-894/0

BOT CHORD 15-16=0/1684, 14-15=0/2629, 13-14=0/2978, 12-13=0/2978, 11-12=0/2649, 10-11=0/1679

WEBS 8-10=0/1153, 1-16=0/1161, 7-10=-1092/0, 2-16=-1090/0, 7-11=0/689, 2-15=0/656, 6-11=-660/0, 3-15=-658/0, 6-12=0/385, 3-14=0/692, 5-12=-440/92, 4-14=-300/0

NOTES (6-9)

- Unbalanced floor live loads have been considered for this design.
- All bearings are assumed to be SYP No.2.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 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.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

April 28,2011



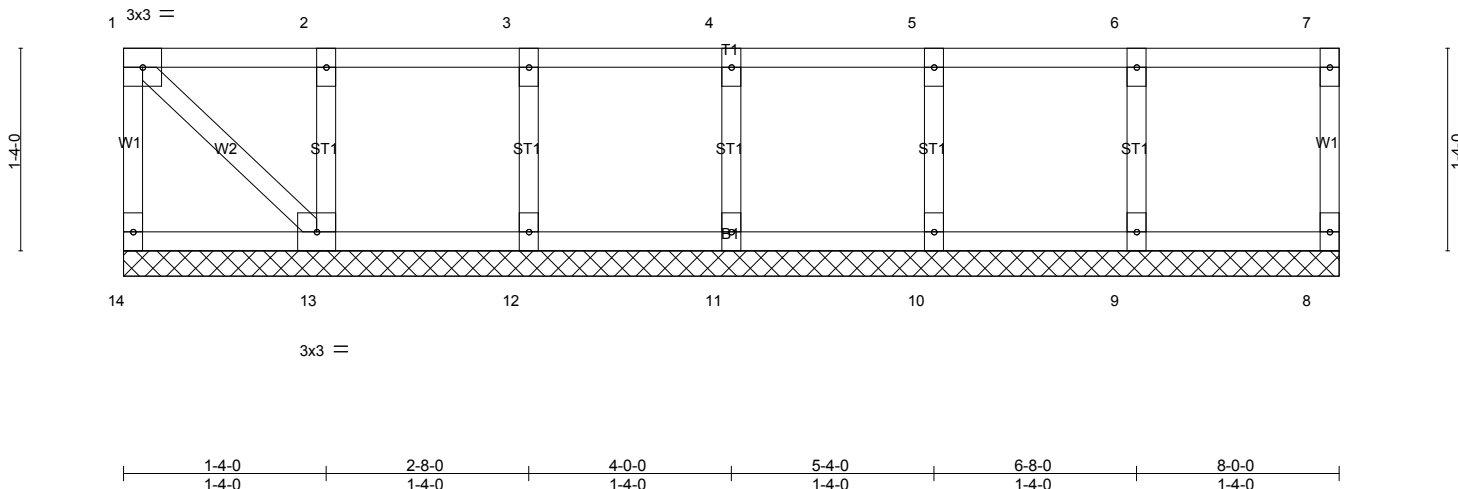
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 371420	Truss FKW	Truss Type GABLE	Qty 6	Ply 1	Job Reference (optional) 7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 16:43:38 2011 Page 1 ID:HMwzqgQSO_eeKYNuEI3mEzc0hp-yNccjuD2XtRIU_2J61PiyZ2dqeyvLRHVrr4tkozM7dp
---------------	--------------	---------------------	----------	----------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Scale = 1:15.2



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.01	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber Increase 1.00	WB 0.03	Vert(TL) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 8 n/a n/a		
	Code FBC2007/TPI2002			Weight: 37 lb	FT = 11%F, 11%E

LUMBER

TOP CHORD 4 X 2 SYP No.2
BOT CHORD 4 X 2 SYP No.2
WEBS 4 X 2 SYP No.3
OTHERS 4 X 2 SYP No.3

BRACING

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

REACTIONS

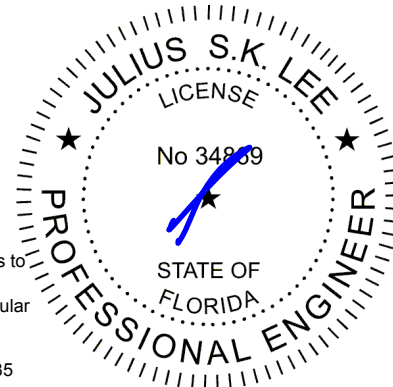
All bearings 8-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) All bearings are assumed to be SYP No.2 .
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- 10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



April 28, 2011

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

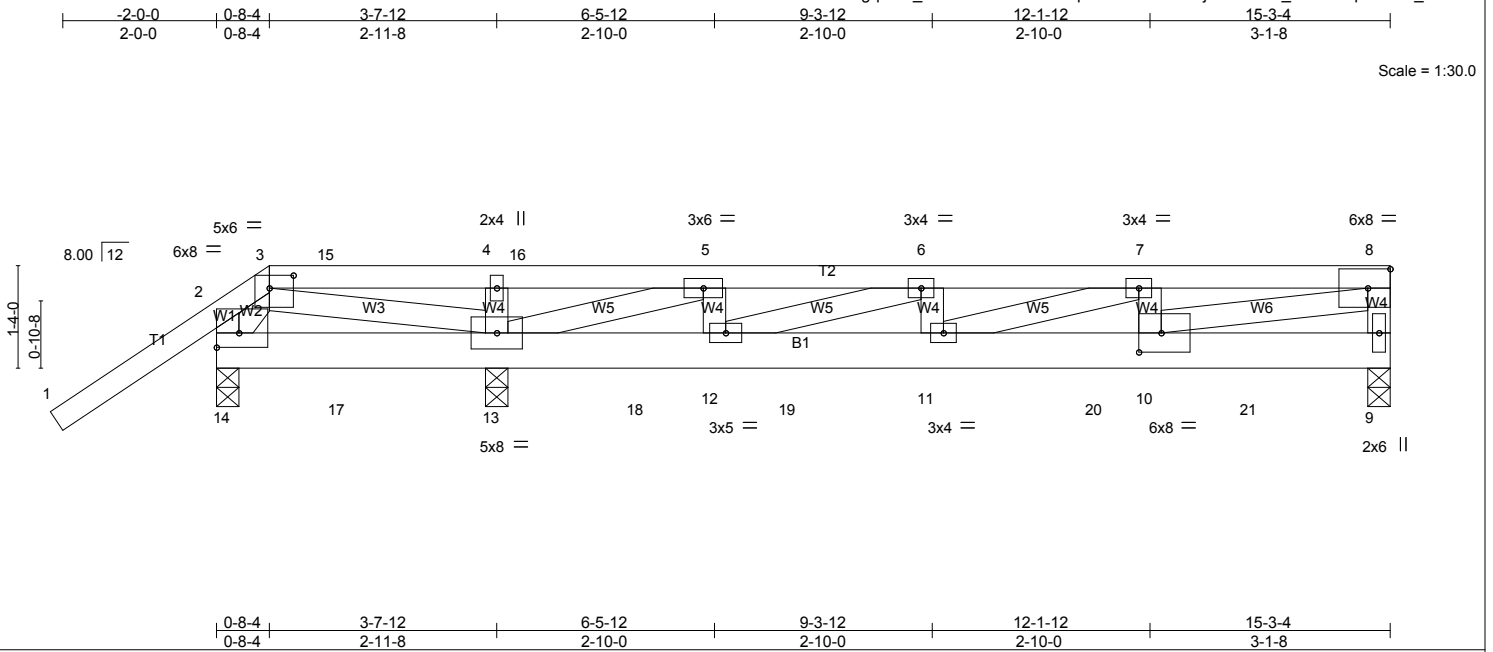
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 371420	Truss TG01	Truss Type MONO HIP	Qty 1	Ply 2	Job Reference (optional)	I4718563
---------------	---------------	------------------------	----------	----------	--------------------------	----------

Builders FirstSource, Jacksonville, FL 32244

7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 16:43:40 2011 Page 1
ID:HMwzggQS0_eeKYNMuEI3mEzc0hp-umkM8aFI3Vl0jICiDSSA1_7nQRRJp9col9Z_ohzM7dn



LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.79	Vert(LL) -0.10	11	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.85	Vert(TL) -0.15	11	>909	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.81	Horz(TL) 0.02	9	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Wind(LL) 0.01	11	>999	240	Weight: 176 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 13-14.

REACTIONS

(lb/size) 9=1908/0-3-8, 13=4744/0-3-8, 14=13/0-3-8
Max Horz 14=104(LC 5)
Max Uplift 9=-158(LC 3), 13=-49(LC 3), 14=-252(LC 10)
Max Grav 9=1911(LC 10), 13=4785(LC 10), 14=378(LC 2)

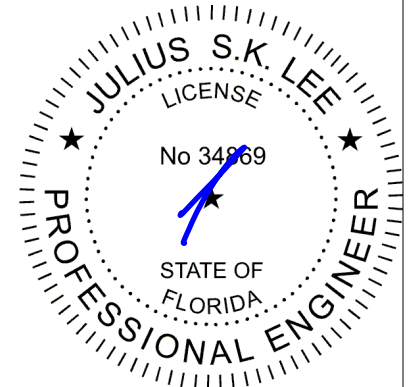
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 3-15=-282/2568, 4-15=-282/2568, 4-16=-282/2568, 5-16=-282/2568, 5-6=-2180/244,
6-7=-4966/402, 7-8=-4191/332, 8-9=-1437/150, 2-14=-286/208
BOT CHORD 14-17=-586/270, 13-17=-586/270, 13-18=-244/2180, 12-18=-244/2180, 12-19=-402/4966,
11-19=-402/4966, 11-20=-332/4191, 10-20=-332/4191, 10-21=-32/352, 9-21=-32/352
WEBS 3-13=-2228/74, 4-13=-1130/35, 5-13=-4987/554, 5-12=-511/1391, 6-12=-2948/167,
6-11=0/664, 7-11=-74/817, 7-10=-495/134, 8-10=-315/4033, 3-14=-122/634

NOTES (13-16)

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 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.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be SYP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 9, 49 lb uplift at joint 13 and 252 lb uplift at joint 14.
- Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 434 lb down and 120 lb up at 4-0-0 on top chord, and 979 lb down at 1-7-8, 610 lb down at 5-6-0, 610 lb down at 7-6-0, 610 lb down at 9-6-0, and 610 lb down at 11-6-0, and 610 lb down at 13-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2



April 28, 2011



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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 BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 371420	Truss TG01	Truss Type MONO HIP	Qty 1	Ply 2	Job Reference (optional) ID:HMwzggQS0_eeKYNmuEI3mEzc0hp-umkM8aFI3Vl0jICiDSSA1_7nQRRJp9col9Z_ohzM7dn
Builders FirstSource, Jacksonville, FL 32244			7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 16:43:40 2011 Page 2		

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) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)

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

1) Regular: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 3-15=-100, 15-16=-210, 8-16=-100, 9-14=-10
Concentrated Loads (lb)
Vert: 9=-55 11=-610(F) 16=-434 17=-979(F) 18=-610(F) 19=-610(F) 20=-610(F) 21=-610(F)

2) IBC BC Live: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-15=-20, 15-16=-130, 8-16=-20, 9-14=-30
Concentrated Loads (lb)
Vert: 16=-197 17=-576(F)

3) MWFRS Wind Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=16, 2-3=-10, 3-15=37, 15-16=-73, 8-16=37, 9-14=-6
Horz: 1-2=-24, 2-3=2
Concentrated Loads (lb)
Vert: 16=120 17=-390(F)

4) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=10, 2-3=18, 3-15=30, 15-16=-80, 8-16=30, 9-14=-6
Horz: 1-2=-19, 2-3=-27
Concentrated Loads (lb)
Vert: 16=94 17=-390(F)

5) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=52, 2-3=30, 3-15=16, 15-16=-94, 8-16=16, 9-14=-6
Horz: 1-2=-60, 2-3=-38
Concentrated Loads (lb)
Vert: 16=38 17=-390(F)

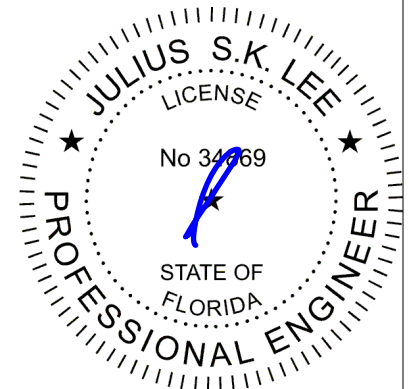
6) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=16, 3-15=16, 15-16=-94, 8-16=16, 9-14=-6
Horz: 1-2=-16, 2-3=-24
Concentrated Loads (lb)
Vert: 16=38 17=-390(F)

7) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=52, 2-3=30, 3-15=16, 15-16=-94, 8-16=16, 9-14=-6
Horz: 1-2=-60, 2-3=-38
Concentrated Loads (lb)
Vert: 16=38 17=-390(F)

8) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=16, 3-15=16, 15-16=-94, 8-16=16, 9-14=-6
Horz: 1-2=-16, 2-3=-24
Concentrated Loads (lb)
Vert: 16=38 17=-390(F)

9) 1st unbalanced Regular: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 3-15=-100, 15-16=-210, 8-16=-100, 9-14=-10
Concentrated Loads (lb)
Vert: 9=-55 11=-610(F) 16=-434 17=-979(F) 18=-610(F) 19=-610(F) 20=-610(F) 21=-610(F)

10) 2nd unbalanced Regular: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 3-15=-100, 15-16=-210, 8-16=-100, 9-14=-10
Concentrated Loads (lb)
Vert: 9=-55 11=-610(F) 16=-434 17=-979(F) 18=-610(F) 19=-610(F) 20=-610(F) 21=-610(F)



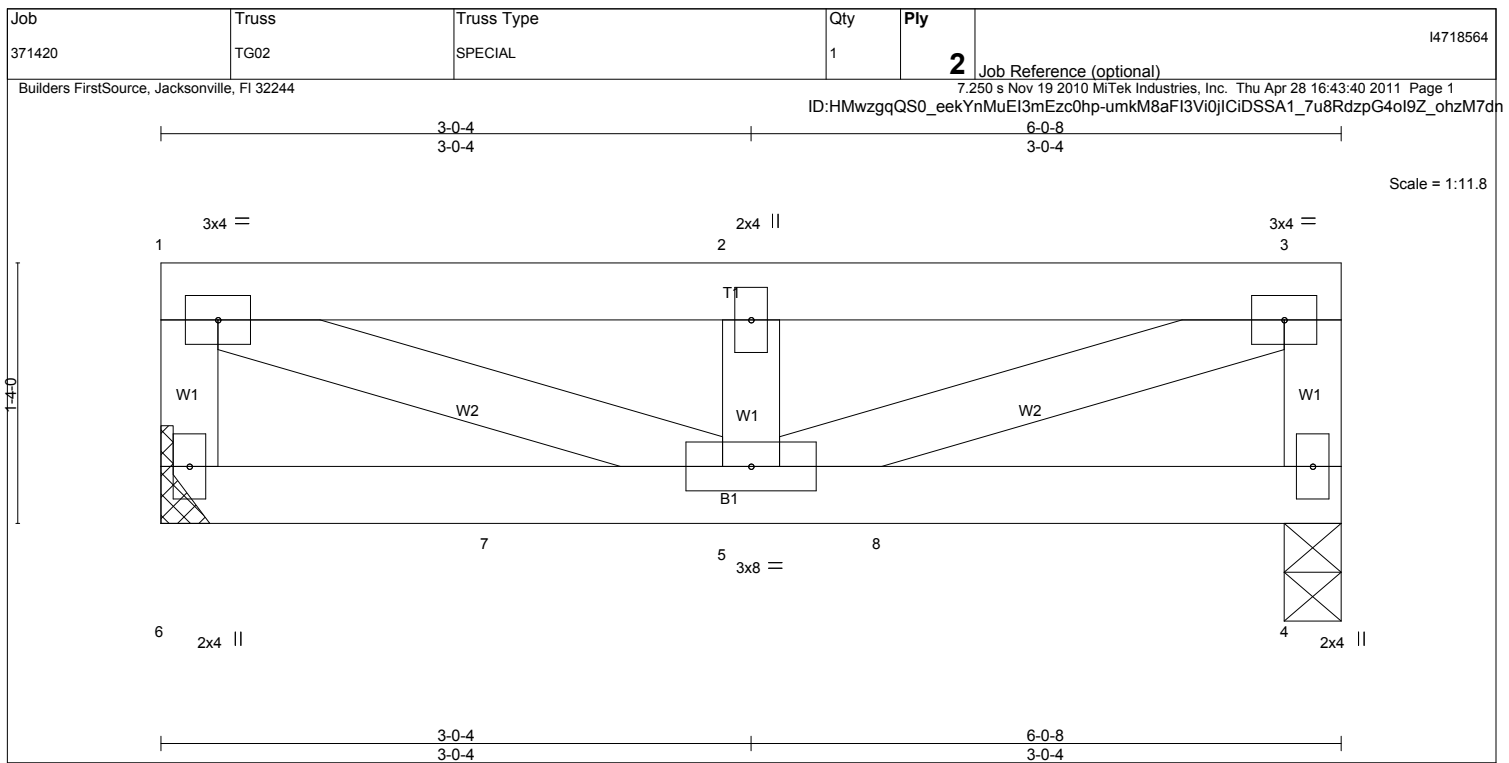
April 28, 2011



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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.36	Vert(LL)	-0.01	5	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.10	Vert(TL)	-0.03	5	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.33	Horz(TL)	-0.00	4	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Wind(LL)	0.01	5	>999	240	Weight: 59 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 6=989/Mechanical, 4=991/0-3-8

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

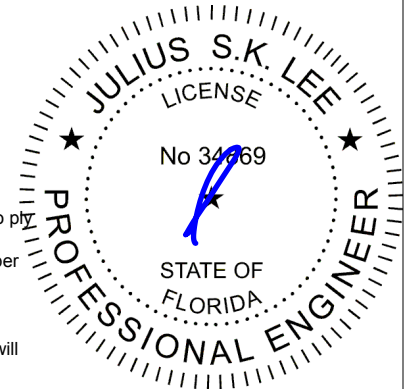
TOP CHORD 1-6=-955/0, 1-2=-1548/0, 2-3=-1548/0, 3-4=-955/0
WEBS 1-5=0/1647, 2-5=-1167/0, 3-5=0/1647

NOTES (12-16)

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 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.
- Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- All bearings are assumed to be SYP No.2 .
- Refer to girder(s) for truss to truss connections.
- Load case(s) 1, 2, 3, 4, 5, 6, 7, 8 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb up at 1-9-12, and 35 lb up at 3-9-12, and 699 lb down and 218 lb up at 42-1-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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.
- For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package)
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- Use Simpson HHUS26-2 to attach Truss to Carrying member

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.00, Plate Increase=1.00



Continued on page 2

April 28, 2011



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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	
371420	TG02	SPECIAL	1	2	Job Reference (optional)

I4718564

Builders FirstSource, Jacksonville, FL 32244

7.250 s Nov 19 2010 MiTek Industries, Inc. Thu Apr 28 16:43:40 2011 Page 2
ID:HMwzgqQS0_eeKYNMuEI3mEzc0hp-umkM8aFI3Vi0jICiDSSA1_7u8RdzpG4oI9Z_ohzM7dn**LOAD CASE(S)** Standard

Uniform Loads (plf)

Vert: 1-3=-340, 4-6=-10

Concentrated Loads (lb)

Vert: 7=16(F) 8=16(F)

2) IBC BC Live: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-189, 4-6=-30

Concentrated Loads (lb)

Vert: 7=23(F) 8=23(F)

3) MWFRS Wind Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-52, 4-6=-6

Concentrated Loads (lb)

Vert: 7=35(F) 8=35(F)

4) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-52, 4-6=-6

Concentrated Loads (lb)

Vert: 7=35(F) 8=35(F)

5) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-52, 4-6=-6

Concentrated Loads (lb)

Vert: 7=35(F) 8=35(F)

6) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-52, 4-6=-6

Concentrated Loads (lb)

Vert: 7=35(F) 8=35(F)

7) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-52, 4-6=-6

Concentrated Loads (lb)

Vert: 7=35(F) 8=35(F)

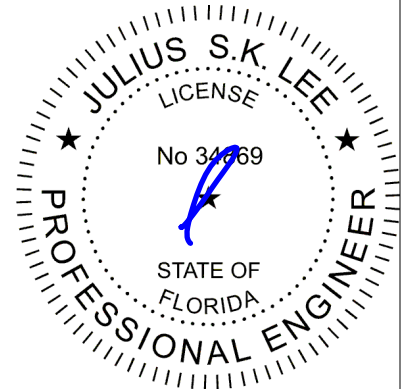
8) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-52, 4-6=-6

Concentrated Loads (lb)

Vert: 7=35(F) 8=35(F)



April 28, 2011

**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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
371420	TG03	MONO HIP	1	2	

Builders FirstSource, Jacksonville, FL 32244

7:250 s Sep 1 2010 MiTek Industries, Inc. Thu Apr 28 20:22:56 2011 Page 1

ID:HMwzggQS0_eeKynMuEI3mEzc0hp-Jhe6j?arcwrrXvF97KgykOvqxXwbp?OLitOeCozM5IT

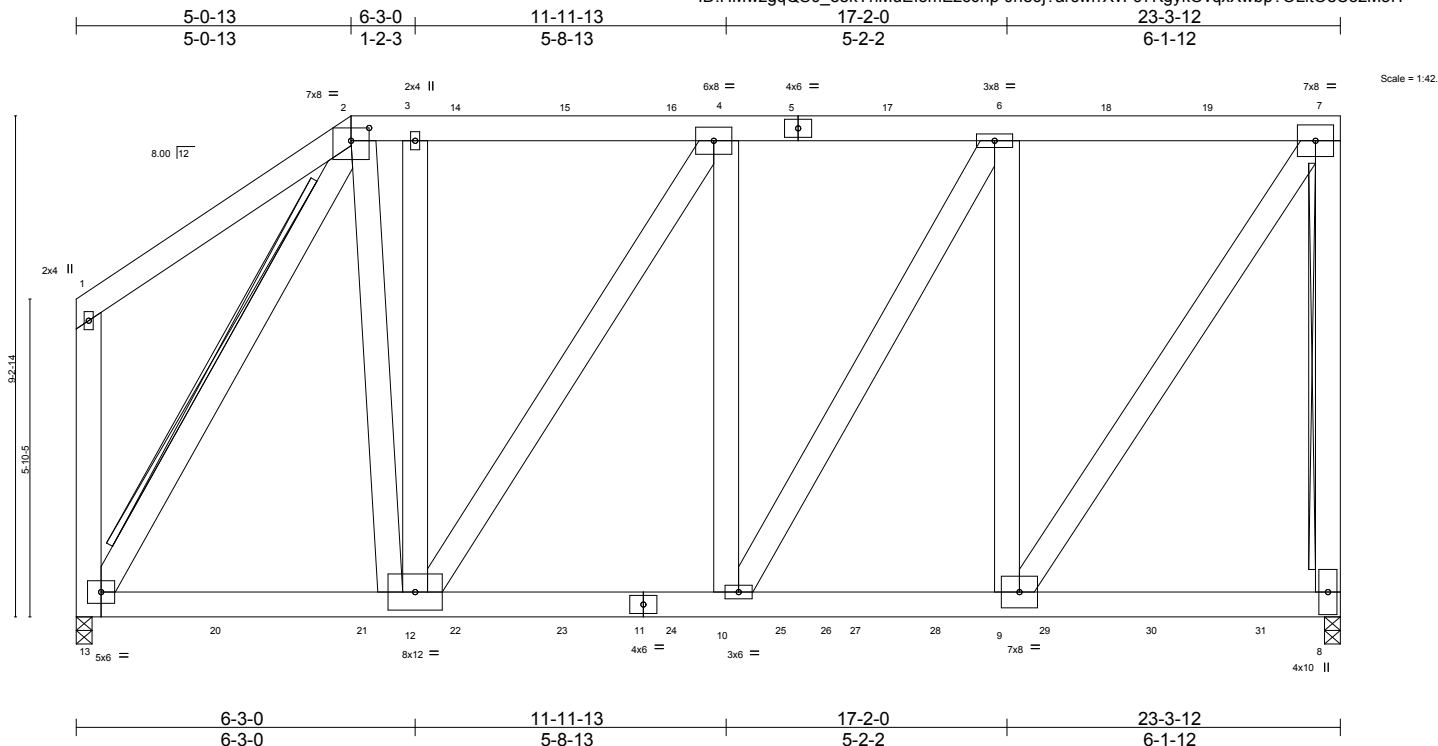


Plate Offsets (X,Y): [2-0-4-0,0-2-13]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.00	TC 0.85	Vert(LL)	-0.10	10-12	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.00	BC 0.74	Vert(TL)	-0.17	10-12	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.93	Horz(TL)	0.04	8	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.11	10-12	>999		
								Weight: 624 lb	FT = 20%

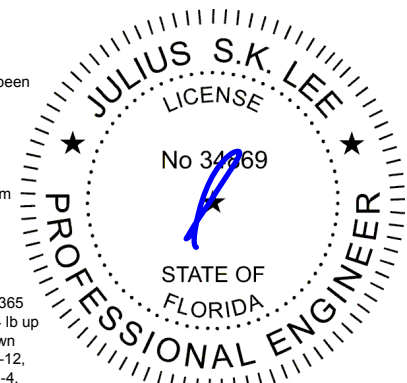
LUMBER
TOP CHORD 2 X 6 SYP No.2 *Except*
T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-8-1 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.2 - 2-13
2 X 6 SYP No.2 - 7-8
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.
with 3in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=9582/0-3-8 (req. 0-5-10), 13=5350/0-3-8 (min. 0-3-3)
Max Horz 13=125(LC 5)
Max Uplift 8=4413(LC 4), 13=3125(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3588/2242, 3-14=-3588/2244, 14-15=-3588/2244, 15-16=-3588/2244, 4-16=-3588/2244, 4-5=-5390/2989, 5-17=-5390/2989,
6-17=-5390/2989, 6-18=-4579/2251, 18-19=-4579/2251, 7-19=-4579/2251, 7-8=-9014/4122
BOT CHORD 13-20=-1828/2906, 20-21=-1828/2906, 12-21=-1828/2906, 12-22=-2989/5390, 22-23=-2989/5390, 11-23=-2989/5390, 11-24=-2989/5390,
10-24=-2989/5390, 10-25=-2251/4579, 25-26=-2251/4579, 26-27=-2251/4579, 27-28=-2251/4579, 9-28=-2251/4579
WEBS 2-12=-3301/5095, 3-12=-1102/1405, 4-12=-3295/1431, 4-10=0/467, 6-10=-1455/1596, 6-9=-5432/2565, 7-9=-3958/8033, 2-13=-5956/3582

- NOTES** (13-16)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-05; 120mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - WARNING: Required bearing size at joint(s) 8 greater than input bearing size.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4413 lb uplift at joint 8 and 3125 lb uplift at joint 13.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 530 lb down and 667 lb up at 6-3-0, 216 lb down and 365 lb up at 7-1-1, 204 lb down and 240 lb up at 9-1-1, 1597 lb down and 992 lb up at 11-0-12, 558 lb down and 287 lb up at 13-0-12, 1264 lb down and 394 lb up at 15-0-12, 1269 lb down and 410 lb up at 17-0-12, 1238 lb down and 424 lb up at 19-0-12, and 1202 lb down and 435 lb up at 20-11-4, and 1238 lb down and 424 lb up at 23-1-0 on top chord, and 897 lb down and 674 lb up at 7-0-12, 350 lb down and 182 lb up at 9-0-12, 350 lb down and 245 lb up at 11-0-12, 350 lb down and 245 lb up at 13-0-12, 350 lb down and 245 lb up at 13-11-4, 350 lb down and 245 lb up at 15-11-4, 350 lb down and 245 lb up at 17-11-4, and 350 lb down and 245 lb up at 19-11-4, and 350 lb down and 245 lb up at 21-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
 - 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 others.



April 28, 2011

14) For special connections with reactions or uplifts less than 300 lbs. Use typical toe-nail connection (refer to BFS detail package).

WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MI TEK REFERENCE PAGE MP-14/3 BEFORE USE.
Design of this truss system is the responsibility of the building designer. The design is based on the building designer's input and is not a building component.
Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the building designer.
Required Lumber Increase = 1.00, Plate Increase = 1.00. For general guidance regarding fabricating loads (lift, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information, 2-10, 2-11, 2-12, 2-13, 2-14, 2-15, 2-16, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-29, 2-30, 2-31, 2-32, 2-33, 2-34, 2-35, 2-36, 2-37, 2-38, 2-39, 2-40, 2-41, 2-42, 2-43, 2-44, 2-45, 2-46, 2-47, 2-48, 2-49, 2-50, 2-51, 2-52, 2-53, 2-54, 2-55, 2-56, 2-57, 2-58, 2-59, 2-60, 2-61, 2-62, 2-63, 2-64, 2-65, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-72, 2-73, 2-74, 2-75, 2-76, 2-77, 2-78, 2-79, 2-80, 2-81, 2-82, 2-83, 2-84, 2-85, 2-86, 2-87, 2-88, 2-89, 2-90, 2-91, 2-92, 2-93, 2-94, 2-95, 2-96, 2-97, 2-98, 2-99, 2-100, 2-101, 2-102, 2-103, 2-104, 2-105, 2-106, 2-107, 2-108, 2-109, 2-110, 2-111, 2-112, 2-113, 2-114, 2-115, 2-116, 2-117, 2-118, 2-119, 2-120, 2-121, 2-122, 2-123, 2-124, 2-125, 2-126, 2-127, 2-128, 2-129, 2-130, 2-131, 2-132, 2-133, 2-134, 2-135, 2-136, 2-137, 2-138, 2-139, 2-140, 2-141, 2-142, 2-143, 2-144, 2-145, 2-146, 2-147, 2-148, 2-149, 2-150, 2-151, 2-152, 2-153, 2-154, 2-155, 2-156, 2-157, 2-158, 2-159, 2-160, 2-161, 2-162, 2-163, 2-164, 2-165, 2-166, 2-167, 2-168, 2-169, 2-170, 2-171, 2-172, 2-173, 2-174, 2-175, 2-176, 2-177, 2-178, 2-179, 2-180, 2-181, 2-182, 2-183, 2-184, 2-185, 2-186, 2-187, 2-188, 2-189, 2-190, 2-191, 2-192, 2-193, 2-194, 2-195, 2-196, 2-197, 2-198, 2-199, 2-200, 2-201, 2-202, 2-203, 2-204, 2-205, 2-206, 2-207, 2-208, 2-209, 2-210, 2-211, 2-212, 2-213, 2-214, 2-215, 2-216, 2-217, 2-218, 2-219, 2-220, 2-221, 2-222, 2-223, 2-224, 2-225, 2-226, 2-227, 2-228, 2-229, 2-230, 2-231, 2-232, 2-233, 2-234, 2-235, 2-236, 2-237, 2-238, 2-239, 2-240, 2-241, 2-242, 2-243, 2-244, 2-245, 2-246, 2-247, 2-248, 2-249, 2-250, 2-251, 2-252, 2-253, 2-254, 2-255, 2-256, 2-257, 2-258, 2-259, 2-260, 2-261, 2-262, 2-263, 2-264, 2-265, 2-266, 2-267, 2-268, 2-269, 2-270, 2-271, 2-272, 2-273, 2-274, 2-275, 2-276, 2-277, 2-278, 2-279, 2-280, 2-281, 2-282, 2-283, 2-284, 2-285, 2-286, 2-287, 2-288, 2-289, 2-290, 2-291, 2-292, 2-293, 2-294, 2-295, 2-296, 2-297, 2-298, 2-299, 2-300, 2-301, 2-302, 2-303, 2-304, 2-305, 2-306, 2-307, 2-308, 2-309, 2-310, 2-311, 2-312, 2-313, 2-314, 2-315, 2-316, 2-317, 2-318, 2-319, 2-320, 2-321, 2-322, 2-323, 2-324, 2-325, 2-326, 2-327, 2-328, 2-329, 2-330, 2-331, 2-332, 2-333, 2-334, 2-335, 2-336, 2-337, 2-338, 2-339, 2-340, 2-341, 2-342, 2-343, 2-344, 2-345, 2-346, 2-347, 2-348, 2-349, 2-350, 2-351, 2-352, 2-353, 2-354, 2-355, 2-356, 2-357, 2-358, 2-359, 2-360, 2-361, 2-362, 2-363, 2-364, 2-365, 2-366, 2-367, 2-368, 2-369, 2-370, 2-371, 2-372, 2-373, 2-374, 2-375, 2-376, 2-377, 2-378, 2-379, 2-380, 2-381, 2-382, 2-383, 2-384, 2-385, 2-386, 2-387, 2-388, 2-389, 2-390, 2-391, 2-392, 2-393, 2-394, 2-395, 2-396, 2-397, 2-398, 2-399, 2-400, 2-401, 2-402, 2-403, 2-404, 2-405, 2-406, 2-407, 2-408, 2-409, 2-410, 2-411, 2-412, 2-413, 2-414, 2-415, 2-416, 2-417, 2-418, 2-419, 2-420, 2-421, 2-422, 2-423, 2-424, 2-425, 2-426, 2-427, 2-428, 2-429, 2-430, 2-431, 2-432, 2-433, 2-434, 2-435, 2-436, 2-437, 2-438, 2-439, 2-440, 2-441, 2-442, 2-443, 2-444, 2-445, 2-446, 2-447, 2-448, 2-449, 2-450, 2-451, 2-452, 2-453, 2-454, 2-455, 2-456, 2-457, 2-458, 2-459, 2-460, 2-461, 2-462, 2-463, 2-464, 2-465, 2-466, 2-467, 2-468, 2-469, 2-470, 2-471, 2-472, 2-473, 2-474, 2-475, 2-476, 2-477, 2-478, 2-479, 2-480, 2-481, 2-482, 2-483, 2-484, 2-485, 2-486, 2-487, 2-488, 2-489, 2-490, 2-491, 2-492, 2-493, 2-494, 2-495, 2-496, 2-497, 2-498, 2-499, 2-500, 2-501, 2-502, 2-503, 2-504, 2-505, 2-506, 2-507, 2-508, 2-509, 2-510, 2-511, 2-512, 2-513, 2-514, 2-515, 2-516, 2-517, 2-518, 2-519, 2-520, 2-521, 2-522, 2-523, 2-524, 2-525, 2-526, 2-527, 2-528, 2-529, 2-530, 2-531, 2-532, 2-533, 2-534, 2-535, 2-536, 2-537, 2-538, 2-539, 2-540, 2-541, 2-542, 2-543, 2-544, 2-545, 2-546, 2-547, 2-548, 2-549, 2-550, 2-551, 2-552, 2-553, 2-554, 2-555, 2-556, 2-557, 2-558, 2-559, 2-560, 2-561, 2-562, 2-563, 2-564, 2-565, 2-566, 2-567, 2-568, 2-569, 2-570, 2-571, 2-572, 2-573, 2-574, 2-575, 2-576, 2-577, 2-578, 2-579, 2-580, 2-581, 2-582, 2-583, 2-584, 2-585, 2-586, 2-587, 2-588, 2-589, 2-590, 2-591, 2-592, 2-593, 2-594, 2-595, 2-596, 2-597, 2-598, 2-599, 2-600, 2-601, 2-602, 2-603, 2-604, 2-605, 2-606, 2-607, 2-608, 2-609, 2-610, 2-611, 2-612, 2-613, 2-614, 2-615, 2-616, 2-617, 2-618, 2-619, 2-620, 2-621, 2-622, 2-623, 2-624, 2-625, 2-626, 2-627, 2-628, 2-629, 2-630, 2-631, 2-632, 2-633, 2-634, 2-635, 2-636, 2-637, 2-638, 2-639, 2-640, 2-641, 2-642, 2-643, 2-644, 2-645, 2-646, 2-647, 2-648, 2-649, 2-650, 2-651, 2-652, 2-653, 2-654, 2-655, 2-656, 2-657, 2-658, 2-659, 2-660, 2-661, 2-662, 2-663, 2-664, 2-665, 2-666, 2-667, 2-668, 2-669, 2-670, 2-671, 2-672, 2-673, 2-674, 2-675, 2-676, 2-677, 2-678, 2-679, 2-680, 2-681, 2-682, 2-683, 2-684, 2-685, 2-686, 2-687, 2-688, 2-689, 2-690, 2-691, 2-692, 2-693, 2-694, 2-695, 2-696, 2-697, 2-698, 2-699, 2-700, 2-701, 2-702, 2-703, 2-704, 2-705, 2-706, 2-707, 2-708, 2-709, 2-710, 2-711, 2-712, 2-713, 2-714, 2-715, 2-716, 2-717, 2-718, 2-719, 2-720, 2-721, 2-722, 2-723, 2-724, 2-725, 2-726, 2-727, 2-728, 2-729, 2-730, 2-731, 2-732, 2-733, 2-734, 2-735, 2-736, 2-737, 2-738, 2-739, 2-740, 2-741, 2-742, 2-743, 2-744, 2-745, 2-746, 2-747, 2-748, 2-749, 2-750, 2-751, 2-752, 2-753, 2-754, 2-755, 2-756, 2-757, 2-758, 2-759, 2-760, 2-761, 2-762, 2-763, 2-764, 2-765, 2-766, 2-767, 2-768, 2-769, 2-770, 2-771, 2-772, 2-773, 2-774, 2-775, 2-776, 2-777, 2-778, 2-779, 2-780, 2-781, 2-782, 2-783, 2-784, 2-785, 2-786, 2-787, 2-788, 2-789, 2-790, 2-791, 2-792, 2-793, 2-794, 2-795, 2-796, 2-797, 2-798, 2-799, 2-800, 2-801, 2-802, 2-803, 2-804, 2-805, 2-806, 2-807, 2-808, 2-809, 2-810, 2-811, 2-812, 2-813, 2-814, 2-815, 2-816, 2-817, 2-818, 2-819, 2-820, 2-821, 2-822, 2-823, 2-824, 2-825, 2-826, 2-827, 2-828, 2-829, 2-830, 2-831, 2-832, 2-833, 2-834, 2-835, 2-836, 2-837, 2-838, 2-839, 2-840, 2-841, 2-842, 2-843, 2-844, 2-845, 2-846, 2-847, 2-848, 2-849, 2-850, 2-851, 2-852, 2-853, 2-854, 2-855, 2-856, 2-857, 2-858, 2-859, 2-860, 2-861, 2-862, 2-863, 2-864, 2-865, 2-866, 2-867, 2-868, 2-869, 2-870, 2-871, 2-872, 2-873, 2-874, 2-875, 2-876, 2-877, 2-878, 2-879, 2-880, 2-881, 2-882, 2-883, 2-884, 2-885, 2-886, 2-887, 2-888, 2-889, 2-890, 2-891, 2-892, 2-893, 2-894, 2-895, 2-896, 2-897, 2-898, 2-899, 2-900, 2-901, 2-902, 2-903, 2-904, 2-905, 2-906, 2-907, 2-908, 2-909, 2-910, 2-911, 2-912, 2-913, 2-914, 2-915, 2-916, 2-917, 2-918, 2-919, 2-920, 2-921, 2-922, 2-923, 2-924, 2-925, 2-926, 2-927, 2-928, 2-929, 2-930, 2-931, 2-932, 2-933, 2-934, 2-935, 2-936, 2-937, 2-938, 2-939, 2-940, 2-941, 2-942, 2-943, 2-944, 2-945, 2-946, 2-947, 2-948, 2-949, 2-950, 2-951, 2-952, 2-953, 2-954, 2-955, 2-956, 2-957, 2-958, 2-959, 2-960, 2-961, 2-962, 2-963, 2-964, 2-965, 2-966, 2-967, 2-968, 2-969, 2-970, 2-971, 2-972, 2-973, 2-974, 2-975, 2-976, 2-977, 2-978, 2-979, 2-980, 2-981, 2-982, 2-983, 2-984, 2-985, 2-986, 2-987, 2-988, 2-989, 2-990, 2-991, 2-992, 2-993, 2-994, 2-995, 2-996, 2-997, 2-998, 2-999, 3-000, 3-001, 3-002, 3-003, 3-004, 3-005, 3-006, 3-007, 3-008, 3-009, 3-010, 3-011, 3-012, 3-013, 3-014, 3-015, 3-016, 3-017, 3-018, 3-019, 3-020, 3-021, 3-022, 3-023, 3-024, 3-025, 3-026, 3-027, 3-028, 3-029, 3-030, 3-031, 3-032, 3-033, 3-034, 3-035, 3-036, 3-037, 3-038, 3-039, 3-040, 3-041, 3-042, 3-043, 3-044, 3-045, 3-046, 3-047, 3-048, 3-049, 3-050, 3-051, 3-052, 3-053, 3-054, 3-055, 3-056, 3-057, 3-058, 3-059, 3-060, 3-061, 3-062, 3-063, 3-064, 3-065, 3-066, 3-067, 3-068, 3-069, 3-070, 3-071, 3-072, 3-073, 3-074, 3-075, 3-076, 3-077, 3-078, 3-079, 3-080, 3-081, 3-082, 3-083, 3-084, 3-085, 3-086, 3-087, 3-088, 3-089, 3-090, 3-091, 3-092, 3-093, 3-094, 3-095, 3-096, 3-097, 3-098, 3-099, 3-100, 3-101, 3-102, 3-103, 3-104, 3-105, 3-106, 3-107, 3-108, 3-109, 3-110, 3-111, 3-112, 3-113, 3-114, 3-115, 3-116, 3-117, 3-118, 3-119, 3-120, 3-121, 3-122, 3-123, 3-124, 3-125, 3-126, 3-127, 3-128, 3-129, 3-130, 3-131, 3-132, 3-133, 3-134, 3-135, 3-136, 3-137, 3-138, 3-139, 3-140, 3-141, 3-142, 3-143, 3-144, 3-145, 3-146, 3-147, 3-148, 3-149, 3-150, 3-151, 3-152, 3-153, 3-154, 3-155, 3-156, 3-157, 3-158, 3-159, 3-160, 3-161, 3-162, 3-163, 3-164, 3-165, 3-166, 3-167, 3-168, 3-169, 3-170, 3-171, 3-172, 3-173, 3-174, 3-175, 3-176, 3-177, 3-178, 3-179, 3-180, 3-181, 3-182, 3-183, 3-184, 3-185, 3-186, 3-187, 3-188, 3-189, 3-190, 3-191, 3-192, 3-193, 3-194, 3-195, 3-196, 3-197, 3-198, 3-199, 3-200, 3-201, 3-202, 3-203, 3-204, 3-205, 3-206, 3-207, 3-208, 3-209, 3-210, 3-211, 3-212, 3-213, 3-214, 3-215, 3-216, 3-217, 3-218, 3-219, 3-220, 3-221, 3-222, 3-223, 3-224, 3-225, 3-226, 3-227, 3-228, 3-229, 3-230, 3-231, 3-232, 3-233, 3-234, 3-235, 3-236, 3-237, 3-238, 3-239, 3-240, 3-241, 3-242, 3-243, 3-244, 3-245, 3-246, 3-247, 3-248, 3-249, 3-250, 3-251, 3-252, 3-253, 3-254, 3-255, 3-256, 3-257, 3-258, 3-259,

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
371420	TG03	MONO HIP	1	2	

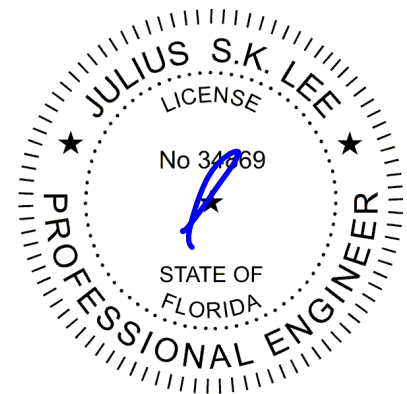
Builders FirstSource, Jacksonville, FL 32244

7:250 s Sep 1 2010 MiTek Industries, Inc. Thu Apr 28 20:22:56 2011 Page 2

ID:HMwzggQS0_eeKynMuEI3mEzc0hp-Jhe6j?arcwrrXvF97KgykOvqxXwbp?OLitOeCozM5IT

LOAD CASE(S) Standard
Concentrated Loads (lb)

Vert: 5=-558 3=-530 6=-1269 7=-1238 14=-216 15=-204 16=-1597 17=-1264 18=-1238 19=-1202 22=-897(F) 23=-350(F) 24=-350(F) 25=-350(F) 26=-350(F) 28=-350(F) 29=-350(F) 30=-350(F) 31=-350(F)



April 28, 2011



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

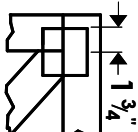
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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 BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

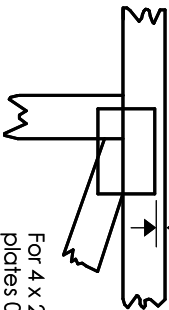
Symbols

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.



0- $\frac{1}{16}$ "



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " 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

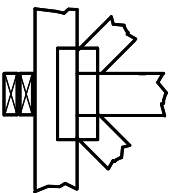
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



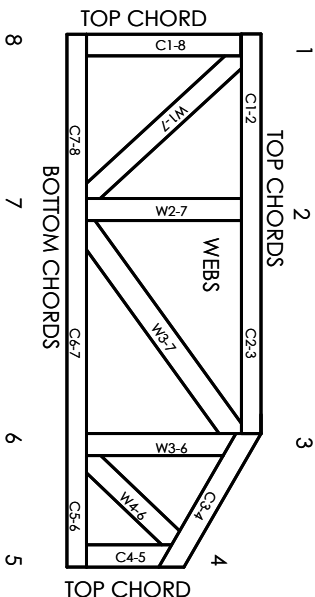
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/FP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/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

© 2006 Mitek® All Rights Reserved

Julius Lee

1109 Coastal Bay Blvd.
Boynton, 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 BCS11.
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 ware at joint locations are regulated by ANSI/FP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/FP 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/FP 1 Quality Criteria.