# Julius Lee

RE: 327272 - RICHARD KEEN - GLENN RES.

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

**Site Information:**

Project Customer: RICHARD KEEN Project Name: 327272 Model: GLENN RES.
Lot/Block: Subdivision:
Address: 185 SW ARROWHEAD TER
City: COLUMBIA CTY State: FL

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

Name: JAMES H. JOHNSTON License #: CRC1328128
Address: 650 SW MAIN BLVD.
City: LAKE CITY, State: FL

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

Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.1
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 52 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.**

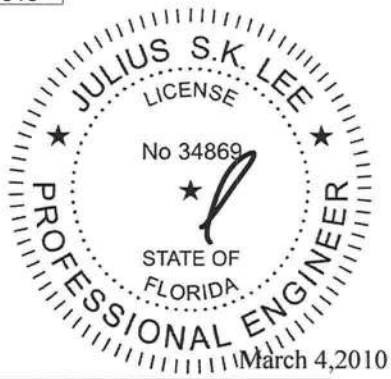
| No. | Seal# | Truss Name | Date | No. | Seal# | Truss Name | Date |
|---|---|---|---|---|---|---|---|
| 1 | I4241488 | CJ1 | 3/4/010 | 18 | I4241505 | HG13 | 3/4/010 |
| 2 | I4241489 | CJ1A | 3/4/010 | 19 | I4241506 | HG17 | 3/4/010 |
| 3 | I4241490 | CJ3 | 3/4/010 | 20 | I4241507 | HG23 | 3/4/010 |
| 4 | I4241491 | CJ3A | 3/4/010 | 21 | I4241508 | HJ2 | 3/4/010 |
| 5 | I4241492 | CJ3B | 3/4/010 | 22 | I4241509 | HJ7 | 3/4/010 |
| 6 | I4241493 | CJ5 | 3/4/010 | 23 | I4241510 | HJ9 | 3/4/010 |
| 7 | I4241494 | CJ5A | 3/4/010 | 24 | I4241511 | HJ9A | 3/4/010 |
| 8 | I4241495 | CJ5B | 3/4/010 | 25 | I4241512 | HJ9B | 3/4/010 |
| 9 | I4241496 | EJ5 | 3/4/010 | 26 | I4241513 | HJ9C | 3/4/010 |
| 10 | I4241497 | EJ7 | 3/4/010 | 27 | I4241514 | T01 | 3/4/010 |
| 11 | I4241498 | EJ7A | 3/4/010 | 28 | I4241515 | T02 | 3/4/010 |
| 12 | I4241499 | EJ7B | 3/4/010 | 29 | I4241516 | T03 | 3/4/010 |
| 13 | I4241500 | EJ8 | 3/4/010 | 30 | I4241517 | T04 | 3/4/010 |
| 14 | I4241501 | EJ8A | 3/4/010 | 31 | I4241518 | T05 | 3/4/010 |
| 15 | I4241502 | EJ8B | 3/4/010 | 32 | I4241519 | T06 | 3/4/010 |
| 16 | I4241503 | EJ8C | 3/4/010 | 33 | I4241520 | T07 | 3/4/010 |
| 17 | I4241504 | HG03 | 3/4/010 | 34 | I4241521 | T08 | 3/4/010 |

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 (Lake City).

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2011.

**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.




March 4,2010

Julius Lee

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | CJ1 | JACK | 16 | 1 | Job Reference (optional) | I4241488 |

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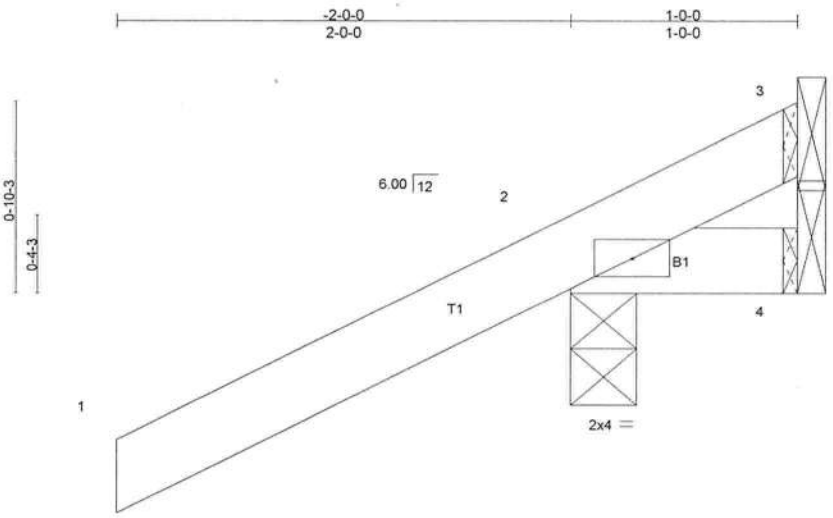



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.35 | Vert(LL) | -0.00 | 2 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.01 | Vert(TL) | -0.00 | 2 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.00 | 2 | >999 | 240 | Weight: 7 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

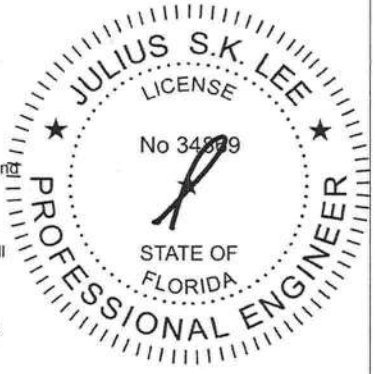
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical
Max Horz 2=109(LC 6)
Max Uplift 2=-371(LC 6), 4=-12(LC 4), 3=-90(LC 1)
Max Grav 2=256(LC 1), 4=14(LC 2), 3=163(LC 6)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 371 lb uplift at joint 2, 12 lb uplift at joint 4 and 90 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) 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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | CJ3 | JACK | 15 | 1 | Job Reference (optional) | I4241490 |

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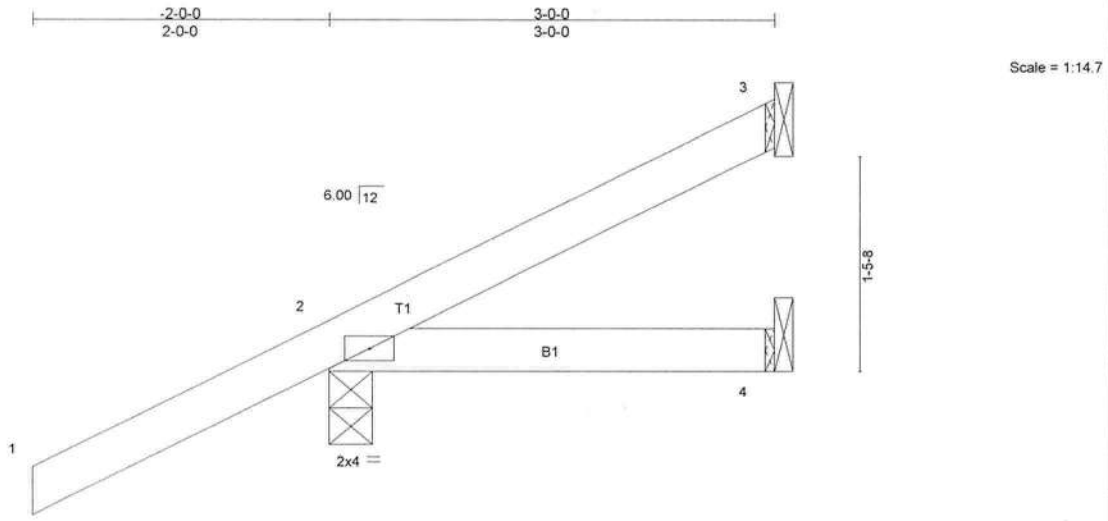



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.00 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.11 | Vert(TL) | -0.01 | 2-4 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.01 | 2-4 | >999 | 240 | Weight: 13 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

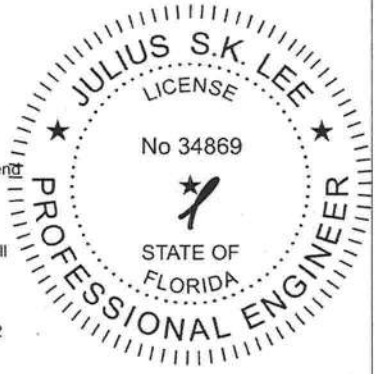
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical
Max Horz 2=166(LC 6)
Max Uplift 3=-36(LC 7), 2=-311(LC 6), 4=-36(LC 4)
Max Grav 3=31(LC 1), 2=250(LC 1), 4=42(LC 2)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3, 311 lb uplift at joint 2 and 36 lb uplift at joint 4.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241492 |
|---|---|---|---|---|---|---|
| 327272 | CJ3B | SPECIAL | 2 | 1 | Job Reference (optional) | |

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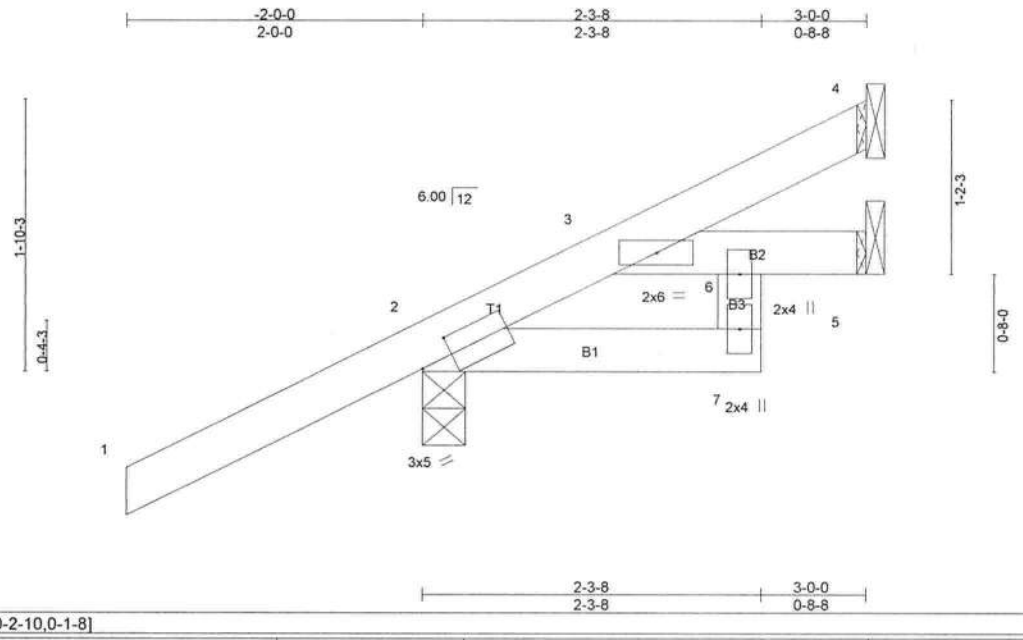



Plate Offsets (X,Y): [2:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | 0.00 | 2-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.15 | Vert(TL) | -0.00 | 7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | -0.00 | 2-7 | >999 | 240 | Weight: 15 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3: 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

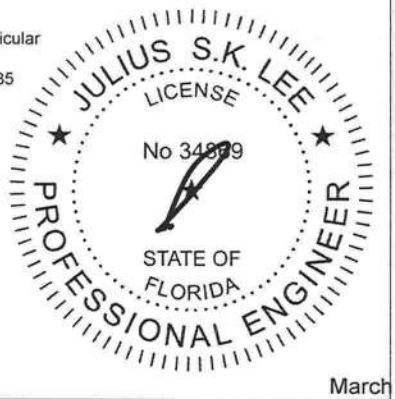
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 4=41/Mechanical, 2=253/0-3-8, 5=9/Mechanical
Max Horz 2=166(LC 6)
Max Uplift 4=-45(LC 6), 2=-265(LC 6)
Max Grav 4=41(LC 1), 2=253(LC 1), 5=48(LC 2)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 4 and 265 lb uplift at joint 2.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241494 |
|---|---|---|---|---|---|---|
| 327272 | CJ5A | JACK | 1 | 1 | Job Reference (optional) | |

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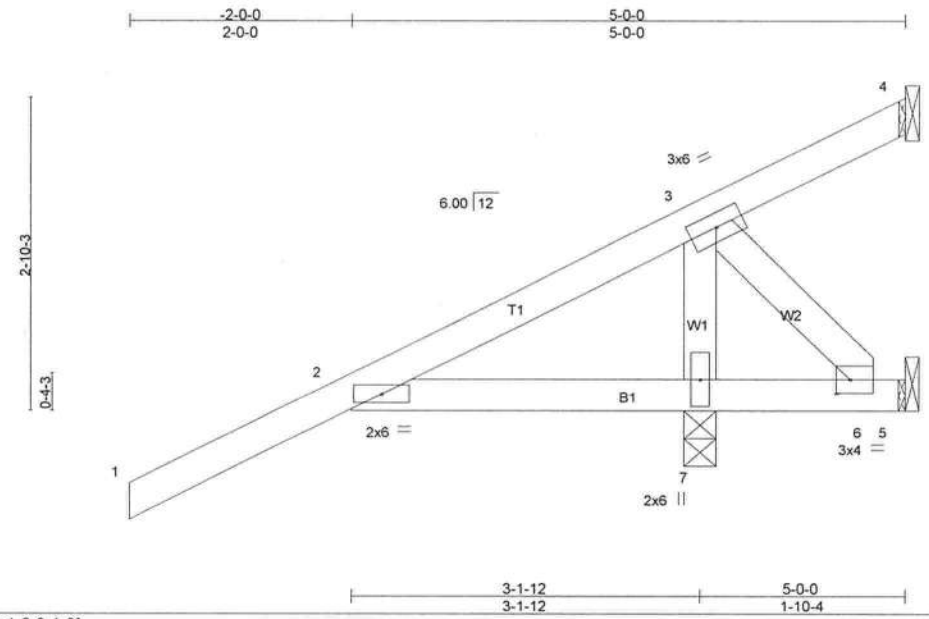



Plate Offsets (X,Y): [6:0-1-8,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.34 | Vert(LL) | 0.00 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.34 | Vert(TL) | 0.01 | 6-7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.35 | Horz(TL) | 0.02 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | -0.01 | 6-7 | >999 | 240 | Weight: 24 lb | |

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

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

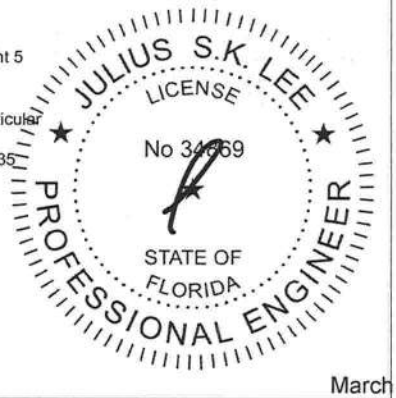
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 4=29/Mechanical, 5=-398/Mechanical, 7=793/0-3-8
Max Horz 7=224(LC 6)
Max Uplift 4=-43(LC 6), 5=-398(LC 1), 7=-886(LC 6)
Max Grav 4=29(LC 1), 5=468(LC 6), 7=793(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-986/524
BOT CHORD 2-7=-442/1064, 6-7=-442/746
WEBS 3-6=-1072/634, 3-7=-811/1378

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 4, 398 lb uplift at joint 5 and 886 lb uplift at joint 7.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) 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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | EJ5 | JACK | 2 | 1 | Job Reference (optional) | I4241496 |

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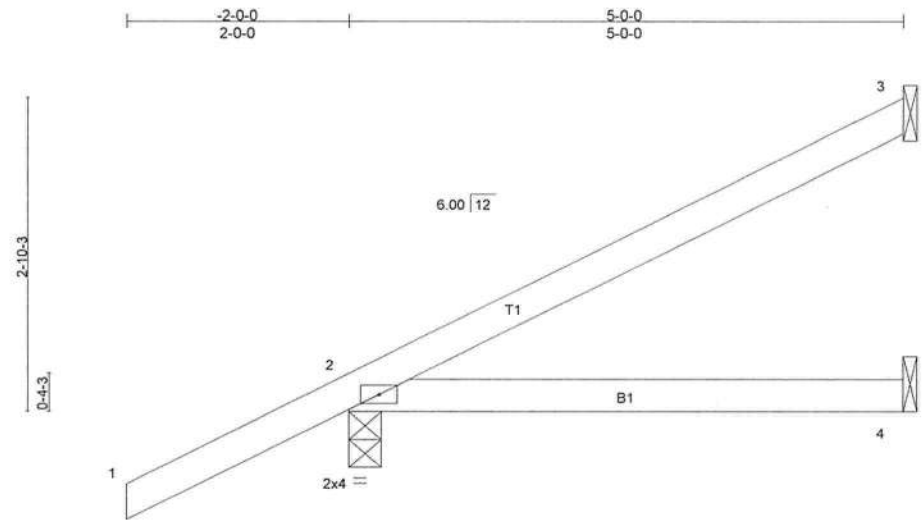



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.03 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.16 | Vert(TL) | -0.05 | 2-4 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.00 | 2 | **** | 240 | Weight: 19 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

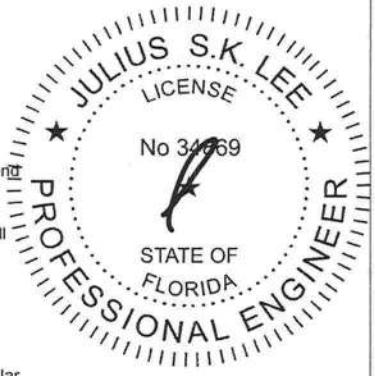
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=224(LC 6)
Max Uplift 3=-114(LC 6), 2=-266(LC 6)
Max Grav 3=103(LC 1), 2=295(LC 1), 4=72(LC 2)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 3 and 266 lb uplift at joint 2.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241498 |
|---|---|---|---|---|---|---|
| 327272 | EJ7A | SPECIAL | 6 | 1 | Job Reference (optional) | |

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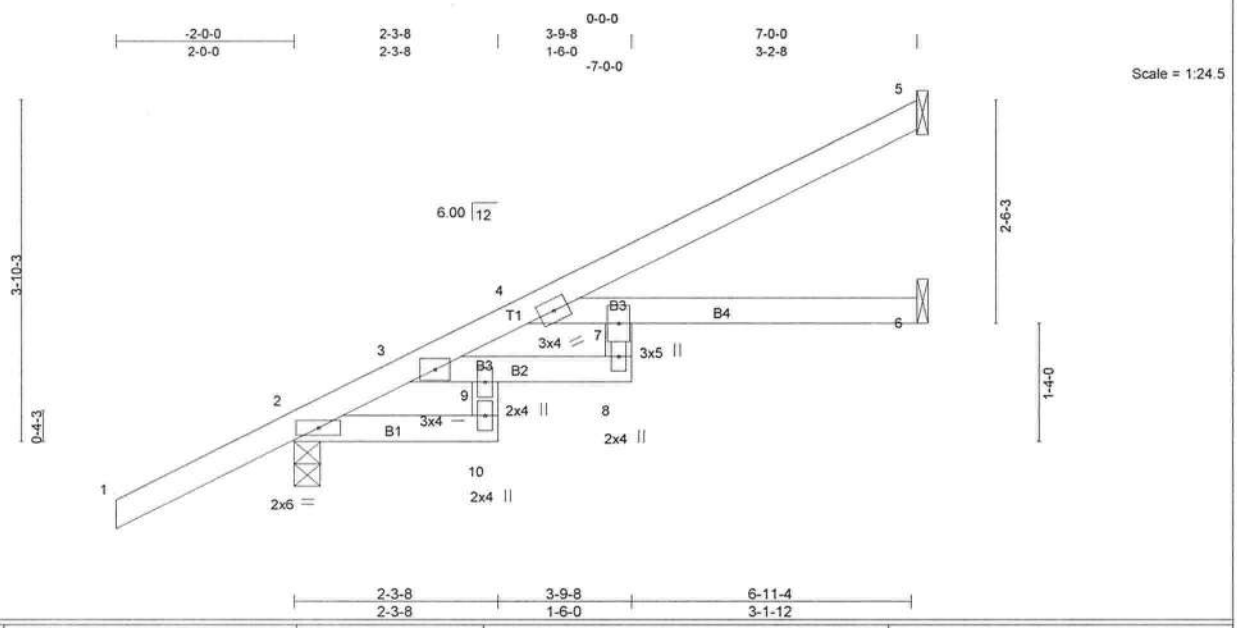



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.06 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.57 | Vert(TL) | -0.14 | 6-7 | >585 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.06 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.16 | 6-7 | >520 | 240 | Weight: 30 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3: 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-1 oc bracing.

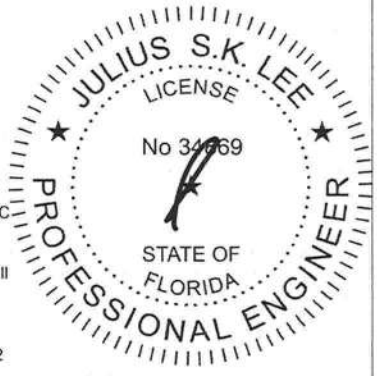
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 5=121/Mechanical, 2=357/0-3-8, 6=82/Mechanical
Max Horz 2=203(LC 6)
Max Uplift 5=-83(LC 6), 2=-190(LC 6), 6=-16(LC 6)
Max Grav 5=121(LC 1), 2=357(LC 1), 6=106(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-363/231
BOT CHORD 3-9=-307/192, 8-9=-394/299, 4-7=-299/394

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 5, 190 lb uplift at joint 2 and 16 lb uplift at joint 6.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | EJ8 | MONO TRUSS | 2 | 1 | Job Reference (optional) | I4241500 |

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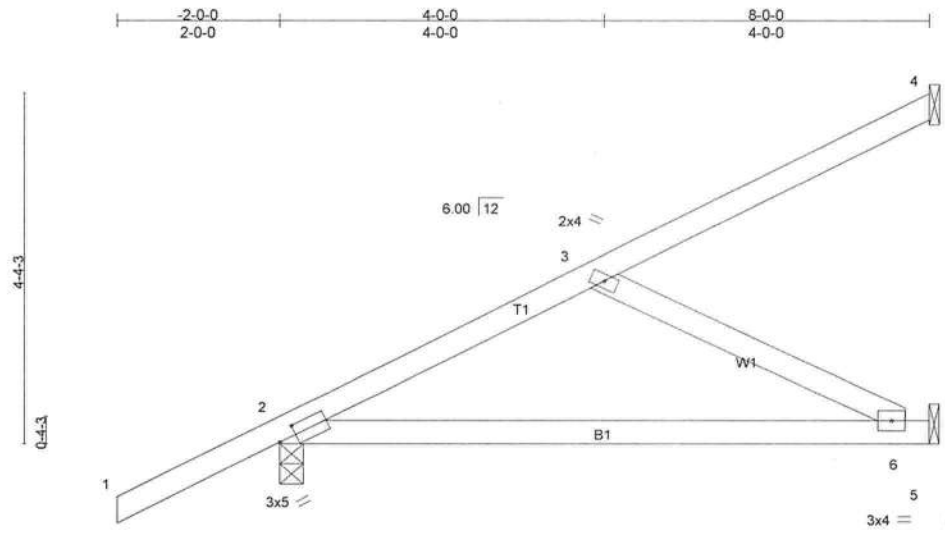



Plate Offsets (X,Y): [2:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.14 | 2-6 | >647 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.36 | Vert(TL) | -0.25 | 2-6 | >367 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.10 | Horz(TL) | -0.00 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | -0.01 | 2-6 | >999 | 240 | Weight: 35 lb | |

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

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

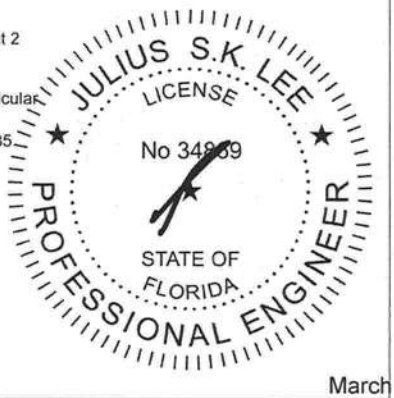
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 4=92/Mechanical, 2=381/0-3-8, 5=141/Mechanical
Max Horz 2=223(LC 6)
Max Uplift 4=-75(LC 6), 2=-198(LC 6), 5=-47(LC 6)
Max Grav 4=92(LC 1), 2=381(LC 1), 5=147(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-299/143
BOT CHORD 2-6=-348/224
WEBS 3-6=-251/389

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 4, 198 lb uplift at joint 2 and 47 lb uplift at joint 5.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. |
|---|---|---|---|---|---|
| 327272 | EJ8A | MONO TRUSS | 1 | 1 | I4241501 |
| | | | | | Job Reference (optional) |

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**LOAD CASE(S)** Standard

Concentrated Loads (lb)

Vert: 1=-250 5=-826(B) 6=-285 7=-496(B)

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

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241503 |
|---|---|---|---|---|---|---|
| 327272 | EJ8C | MONO HIP | 1 | 1 | Job Reference (optional) | |

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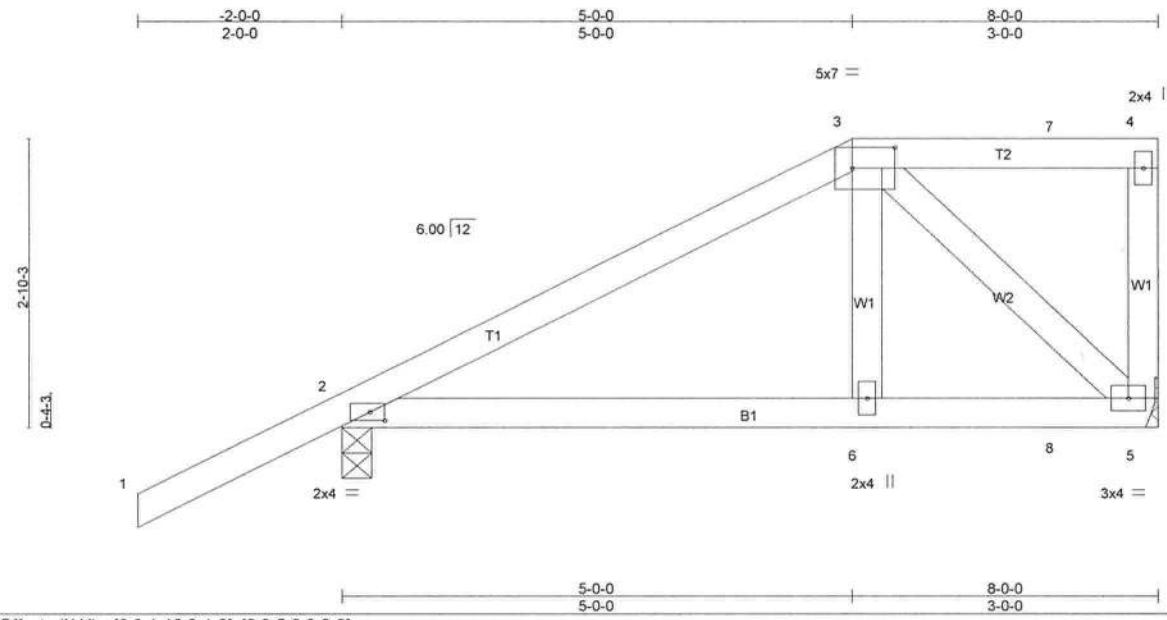


Plate Offsets (X,Y): [2:0-1-12,0-1-0], [3:0-5-0,0-2-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.27 | Vert(LL) | -0.02 | 2-6 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.17 | Vert(TL) | -0.03 | 2-6 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.10 | Horz(TL) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.01 | 2-6 | >999 | 240 | Weight: 40 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 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.

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

**REACTIONS** (lb/size) 5=376/Mechanical, 2=436/0-3-8
Max Horz 2=164(LC 5)
Max Uplift 5=-304(LC 5), 2=-317(LC 5)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-394/245
BOT CHORD 2-6=-250/289, 6-8=-250/293, 5-8=-250/293
WEBS 3-6=-5/264, 3-5=-380/323

**NOTES** (11-12)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 304 lb uplift at joint 5 and 317 lb uplift at joint 2.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 106 lb down and 218 lb up at 5-0-0, and 49 lb down and 97 lb up at 7-0-12 on top chord, and 109 lb down and 38 lb up at 5-0-0, and 42 lb down at 7-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 2-5=-10

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

March 4,2010

Continued on page 2



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241504 |
|---|---|---|---|---|---|---|
| 327272 | HG03 | GABLE | 1 | 1 | Job Reference (optional) | |

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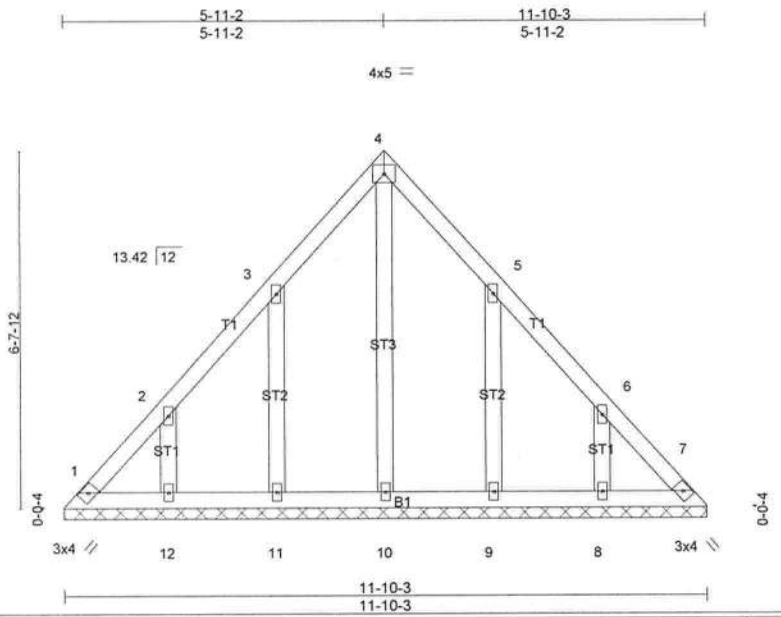



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.06 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.04 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.11 | Horz(TL) | 0.00 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | | | | | | Weight: 68 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP 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.

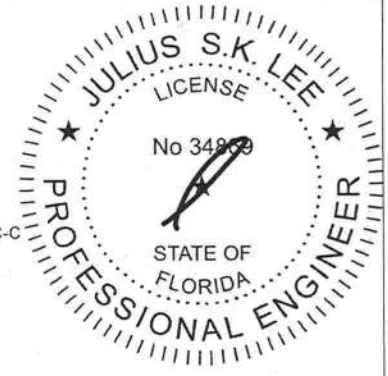
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** All bearings 11-10-3.
(lb) - Max Horz 1=-227(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 11=-158(LC 6), 12=-154(LC 6), 9=-158(LC 7), 8=-154(LC 7)
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.
WEBS 3-11=-117/269, 2-12=-105/258, 5-9=-117/269, 6-8=-105/258

**NOTES** (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 1-2002.
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 SYP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 11=158, 12=154, 9=158, 8=154.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241506 |
|---|---|---|---|---|---|---|
| 327272 | HG17 | GABLE | 1 | 1 | Job Reference (optional) | |

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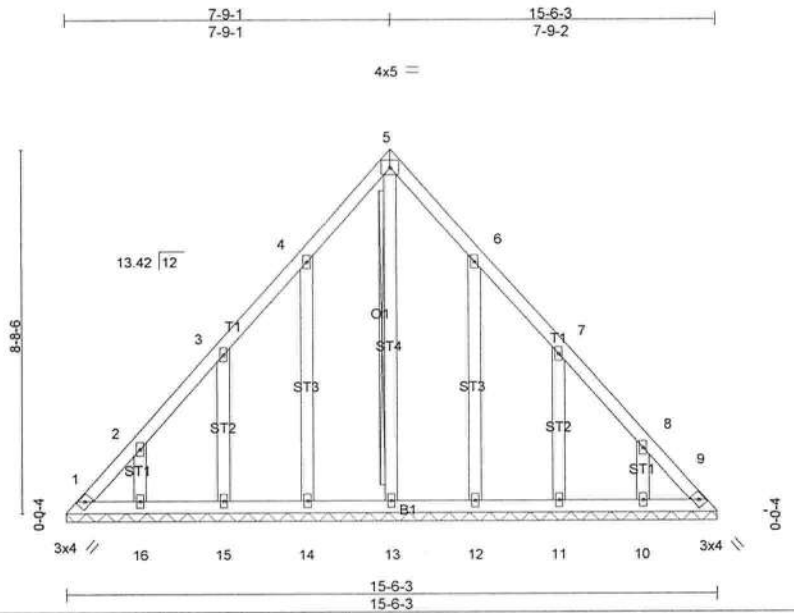



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.04 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.10 | Horz(TL) | 0.01 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | | | | | | Weight: 101 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

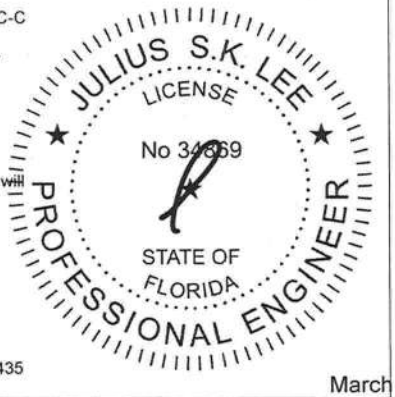
**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

**REACTIONS** All bearings 15-6-3.
(lb) - Max Horz 1=-301(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 9 except 1=-101(LC 4), 14=-154(LC 6), 15=-157(LC 6), 16=-146(LC 6), 12=-152(LC 7), 11=-158(LC 7), 10=-146(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 13, 14, 15, 16, 12, 11, 10

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-348/152, 8-9=-348/92
BOT CHORD 1-16=-59/267, 15-16=-59/267, 14-15=-59/267, 13-14=-59/267, 12-13=-59/267, 11-12=-59/267, 10-11=-59/267, 9-10=-59/267
WEBS 3-15=-109/257, 7-11=-109/257

**NOTES** (13-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 1-2002.
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 SYP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 1=101, 14=154, 15=157, 16=146, 12=152, 11=158, 10=146.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435




March 4,2010

**LOAD CASE(S)** Standard

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241508 |
|---|---|---|---|---|---|---|
| 327272 | HJ2 | JACK | 1 | 1 | Job Reference (optional) | |

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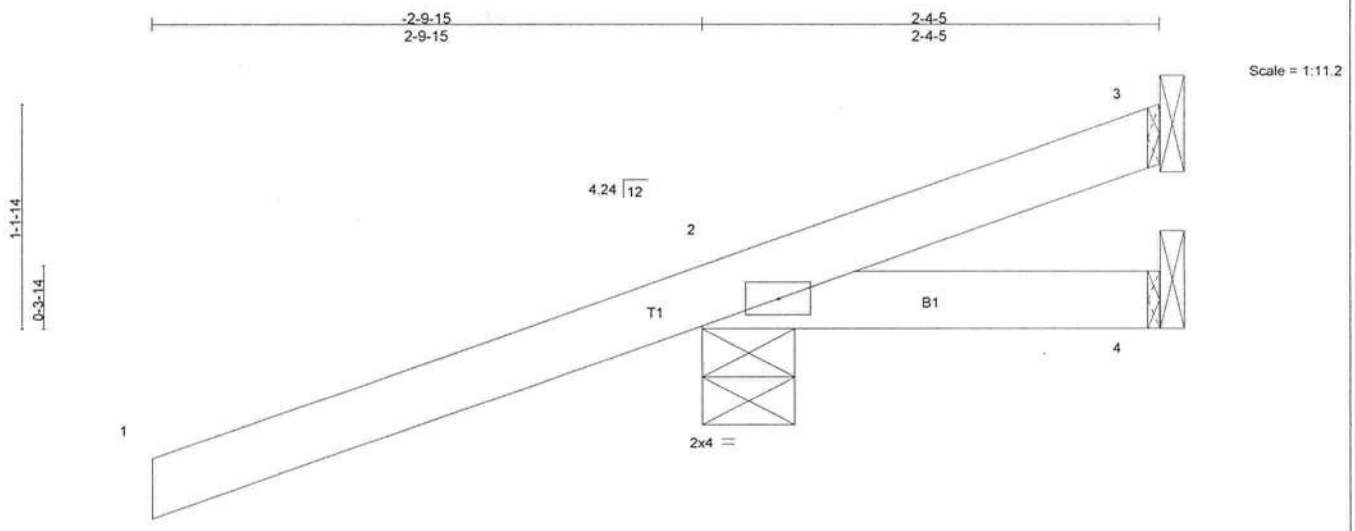



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.63 | Vert(LL) | -0.00 | 2 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.03 | Vert(TL) | -0.00 | 2-4 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.00 | Horz(TL) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.00 | 2 | **** | 240 | Weight: 12 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

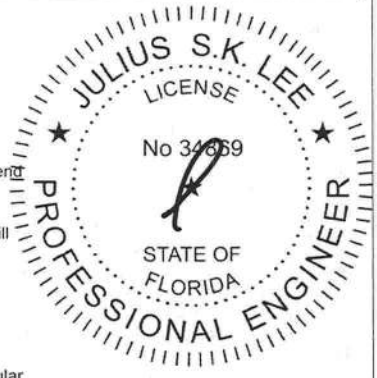
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=-68/Mechanical, 2=355/0-5-11, 4=10/Mechanical
Max Horz 2=128(LC 3)
Max Uplift 3=-68(LC 1), 2=-444(LC 3)
Max Grav 3=124(LC 3), 2=355(LC 1), 4=31(LC 2)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=444.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010




Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241510 |
|---|---|---|---|---|---|---|
| 327272 | HJ9 | MONO TRUSS | 4 | 1 | Job Reference (optional) | |

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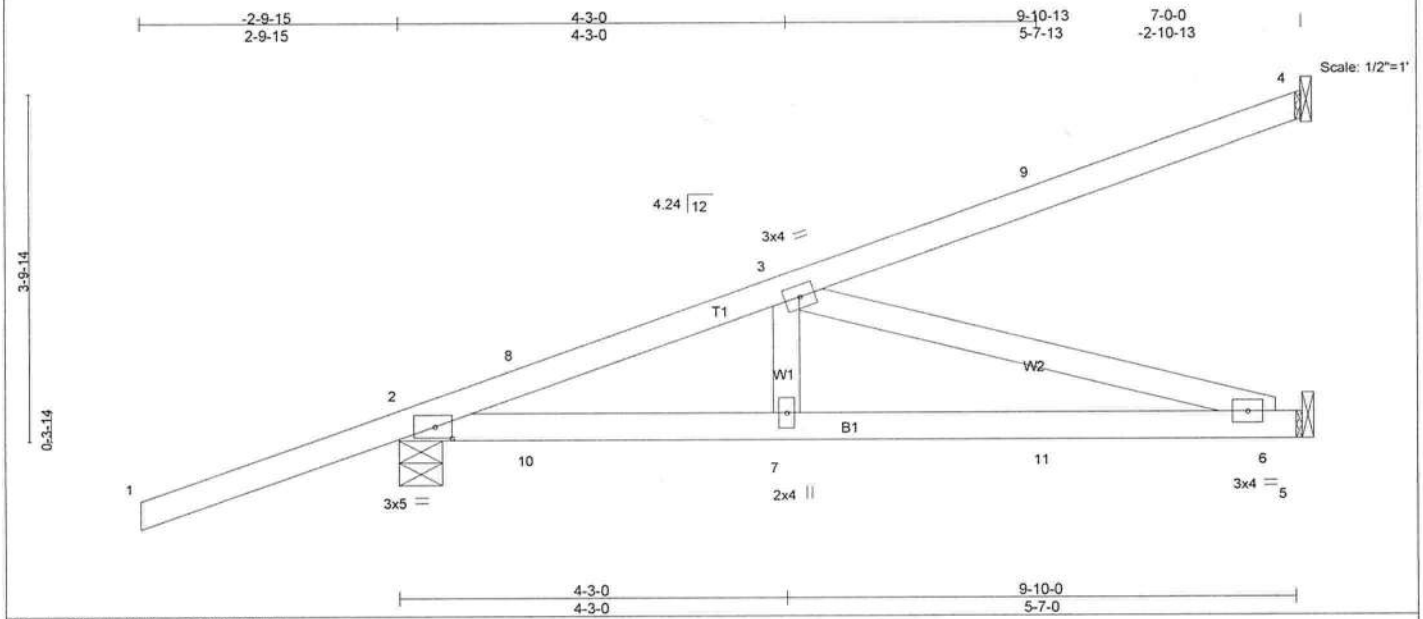


Plate Offsets (X,Y): [2:0-2-4,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.62 | Vert(LL) | -0.07 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.48 | Vert(TL) | -0.14 | 6-7 | >840 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.29 | Horz(TL) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.15 | 6-7 | >747 | 240 | Weight: 45 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-4-3 oc bracing.

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

**REACTIONS** (lb/size) 4=173/Mechanical, 2=438/0-5-11, 5=172/Mechanical
Max Horz 2=283(LC 3)
Max Uplift 4=-192(LC 3), 2=-656(LC 3), 5=-317(LC 6)
Max Grav 4=173(LC 1), 2=438(LC 1), 5=225(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-537/762, 3-8=-494/757
BOT CHORD 2-10=-825/485, 7-10=-825/485, 7-11=-825/485, 6-11=-825/485
WEBS 3-6=-504/858

**NOTES** (10-11)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=192, 2=656, 5=317.
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) 37 lb up at 1-5-12, 37 lb up at 1-5-12, 13 lb down and 23 lb up at 4-3-11, 13 lb down and 23 lb up at 4-3-11, and 49 lb down and 97 lb up at 7-1-10, and 49 lb down and 97 lb up at 7-1-10 on top chord, and 13 lb down and 16 lb up at 1-5-12, 13 lb down and 16 lb up at 1-5-12, 12 lb down and 10 lb up at 4-3-11, 12 lb down and 10 lb up at 4-3-11, and 42 lb down and 36 lb up at 7-1-10, and 42 lb down and 36 lb up at 7-1-10 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) 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

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

March 4,2010

Continued on page 2



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241511 |
|---|---|---|---|---|---|---|
| 327272 | HJ9A | MONO TRUSS | 1 | 1 | Job Reference (optional) | |

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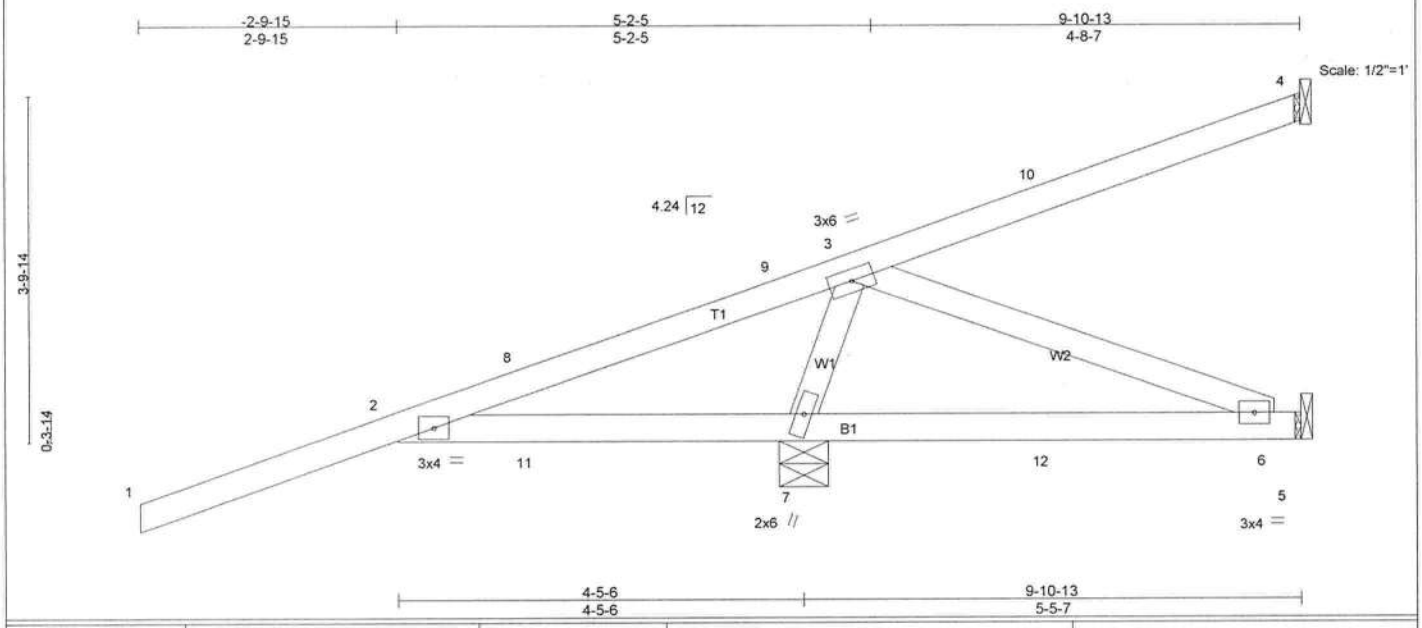


| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.54 | Vert(LL) | -0.04 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.36 | Vert(TL) | 0.09 | 6-7 | >729 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.36 | Horz(TL) | -0.02 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.02 | 6-7 | >999 | 240 | Weight: 45 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-1-0 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** (lb/size) 4=102/Mechanical, 5=-283/Mechanical, 7=1009/0-6-7
Max Horz 7=283(LC 3)
Max Uplift 4=-122(LC 3), 5=-283(LC 1), 7=-1268(LC 3)
Max Grav 4=102(LC 1), 5=243(LC 3), 7=1009(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-1341/1050, 8-9=-1355/1144, 3-9=-1377/1178
BOT CHORD 2-11=-1041/1411, 7-11=-1041/1411, 7-12=-703/764, 6-12=-703/764
WEBS 3-6=-818/753, 3-7=-1095/1180

**NOTES** (10-11)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=122, 5=283, 7=1268.
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) 35 lb down and 70 lb up at 1-5-12, 35 lb down and 70 lb up at 1-5-12, 13 lb down and 23 lb up at 4-3-11, 88 lb down and 113 lb up at 4-3-11, and 49 lb down and 97 lb up at 7-1-10, and 7 lb down and 26 lb up at 7-1-10 on top chord, and 15 lb up at 1-5-12, 15 lb up at 1-5-12, 12 lb down and 42 lb up at 4-3-11, 14 lb down and 44 lb up at 4-3-11, and 42 lb down and 67 lb up at 7-1-10, and 127 lb up at 7-1-10 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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 2-5=-10

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

Continued on page 2

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241512 |
|---|---|---|---|---|---|---|
| 327272 | HJ9B | SPECIAL | 1 | 1 | Job Reference (optional) | |

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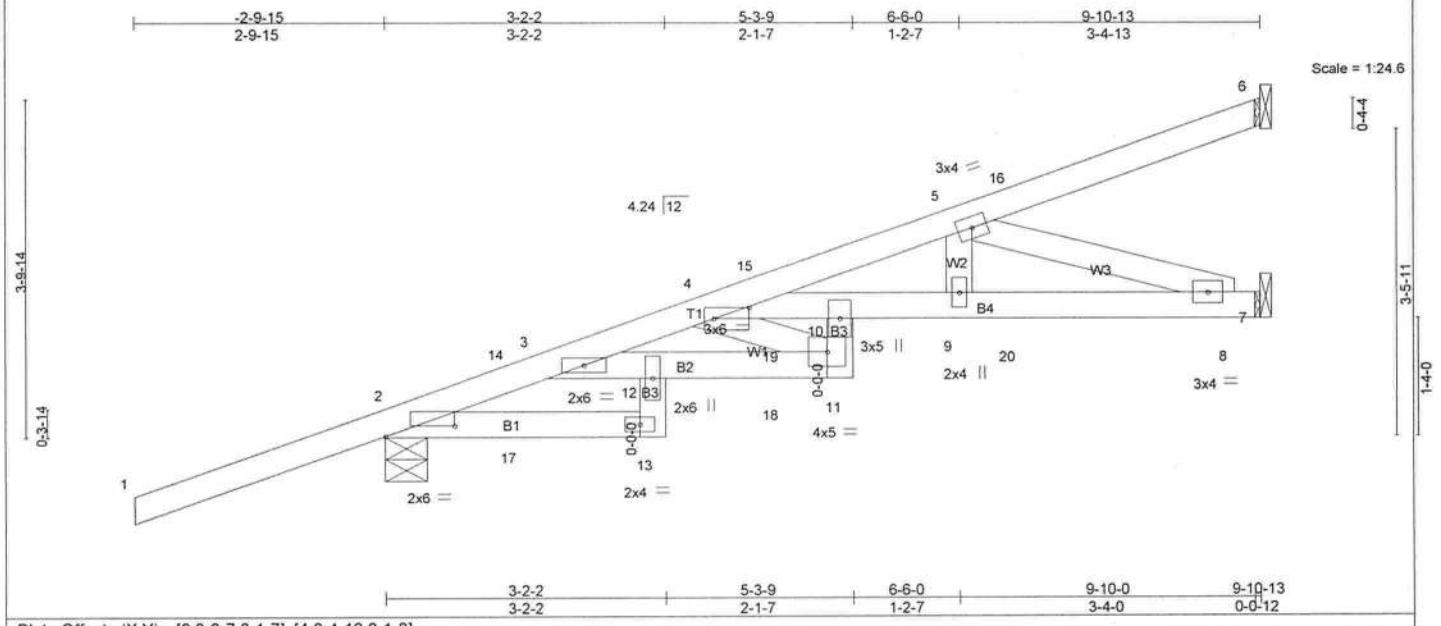


Plate Offsets (X,Y): [2:0-9-7,0-1-7], [4:0-4-12,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.62 | Vert(LL) | -0.06 | 11-12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.63 | Vert(TL) | -0.11 | 11 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.22 | Horz(TL) | -0.05 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.12 | 11 | >953 | 240 | Weight: 48 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3: 2 X 4 SYP No.3
WEBS 2 X 4 SYP 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** (lb/size) 6=89/Mechanical, 2=446/0-5-11, 7=265/Mechanical
Max Horz 2=283(LC 3)
Max Uplift 6=-94(LC 3), 2=-559(LC 3), 7=-235(LC 3)
Max Grav 6=89(LC 1), 2=446(LC 1), 7=267(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-14=-258/227, 3-4=-735/684, 4-15=-918/799, 5-15=-916/790
BOT CHORD 2-17=-292/188, 13-17=-292/188, 3-12=-592/565, 12-18=-751/680, 11-18=-751/680, 10-11=-289/302, 4-19=-604/621, 10-19=-604/621, 9-10=-853/864, 9-20=-853/864, 8-20=-853/864
WEBS 5-8=-907/895, 5-9=-260/397, 4-11=-481/546

**NOTES** (10-11)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=559, 7=235.
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) 37 lb up at 1-5-12, 37 lb up at 1-5-12, 2 lb down and 28 lb up at 4-3-11, 2 lb down and 28 lb up at 4-3-11, and 38 lb down and 68 lb up at 7-1-10, and 38 lb down and 68 lb up at 7-1-10 on top chord, and 18 lb up at 1-5-12, 18 lb up at 1-5-12, 18 lb down and 1 lb up at 4-5-6, 18 lb down and 1 lb up at 4-5-6, and 29 lb down and 18 lb up at 7-1-10, and 29 lb down and 18 lb up at 7-1-10 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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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

March 4,2010

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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241513 |
|---|---|---|---|---|---|---|
| 327272 | HJ9C | MONO TRUSS | 2 | 1 | Job Reference (optional) | |

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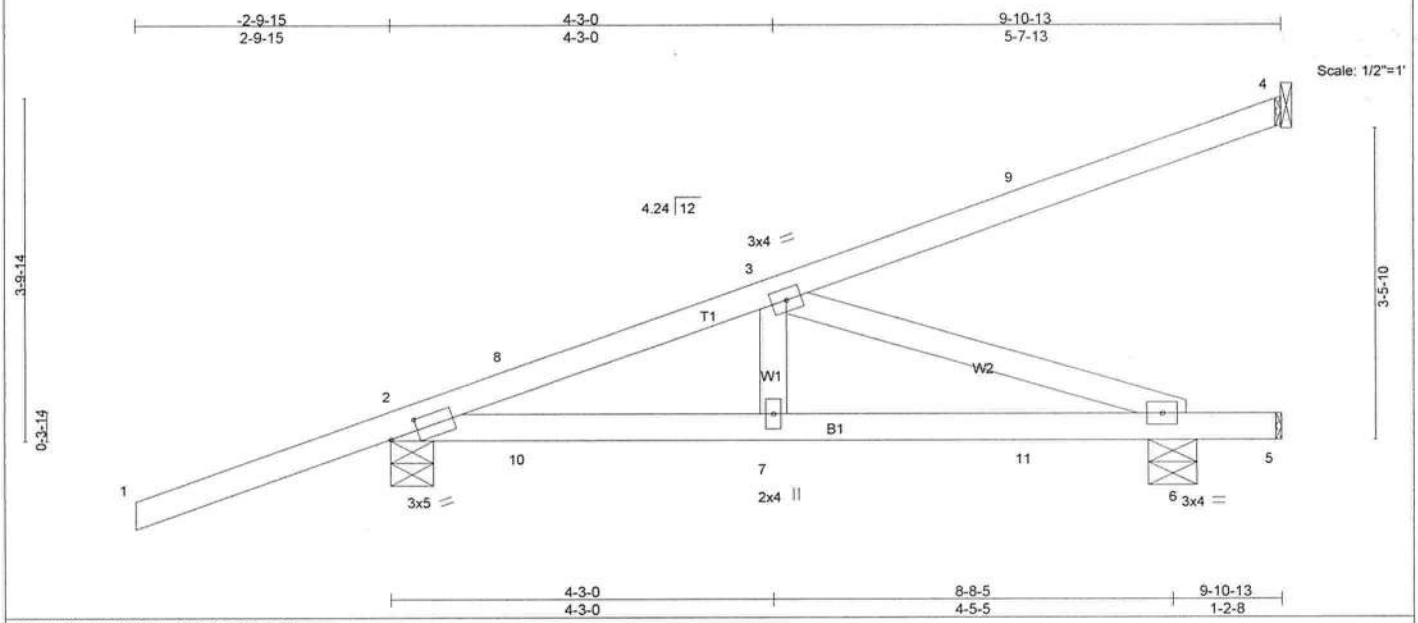


Plate Offsets (X,Y): [2:0-3-12,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.62 | Vert(LL) | -0.03 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.33 | Vert(TL) | -0.06 | 6-7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.20 | Horz(TL) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.07 | 6-7 | >999 | 240 | Weight: 44 lb | |

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

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

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

**REACTIONS** (lb/size) 4=171/Mechanical, 2=418/0-5-11, 6=194/0-6-7
Max Horz 2=283(LC 3)
Max Uplift 4=-190(LC 3), 2=-621(LC 3), 6=-322(LC 6)
Max Grav 4=171(LC 1), 2=418(LC 1), 6=255(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-467/641, 3-8=-424/636
BOT CHORD 2-10=-710/420, 7-10=-710/420, 7-11=-710/420, 6-11=-710/420
WEBS 3-6=-443/749

**NOTES** (10-11)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=190, 2=621, 6=322.
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) 37 lb up at 1-5-12, 37 lb up at 1-5-12, 13 lb down and 23 lb up at 4-3-11, 13 lb down and 23 lb up at 4-3-11, and 49 lb down and 97 lb up at 7-1-10, and 49 lb down and 97 lb up at 7-1-10 on top chord, and 13 lb down and 16 lb up at 1-5-12, 13 lb down and 16 lb up at 1-5-12, 12 lb down and 10 lb up at 4-3-11, 12 lb down and 10 lb up at 4-3-11, and 42 lb down and 36 lb up at 7-1-10, and 42 lb down and 36 lb up at 7-1-10 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) 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

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

March 4,2010

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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241514 |
|---|---|---|---|---|---|---|
| 327272 | T01 | HIP | 1 | 1 | Job Reference (optional) | |

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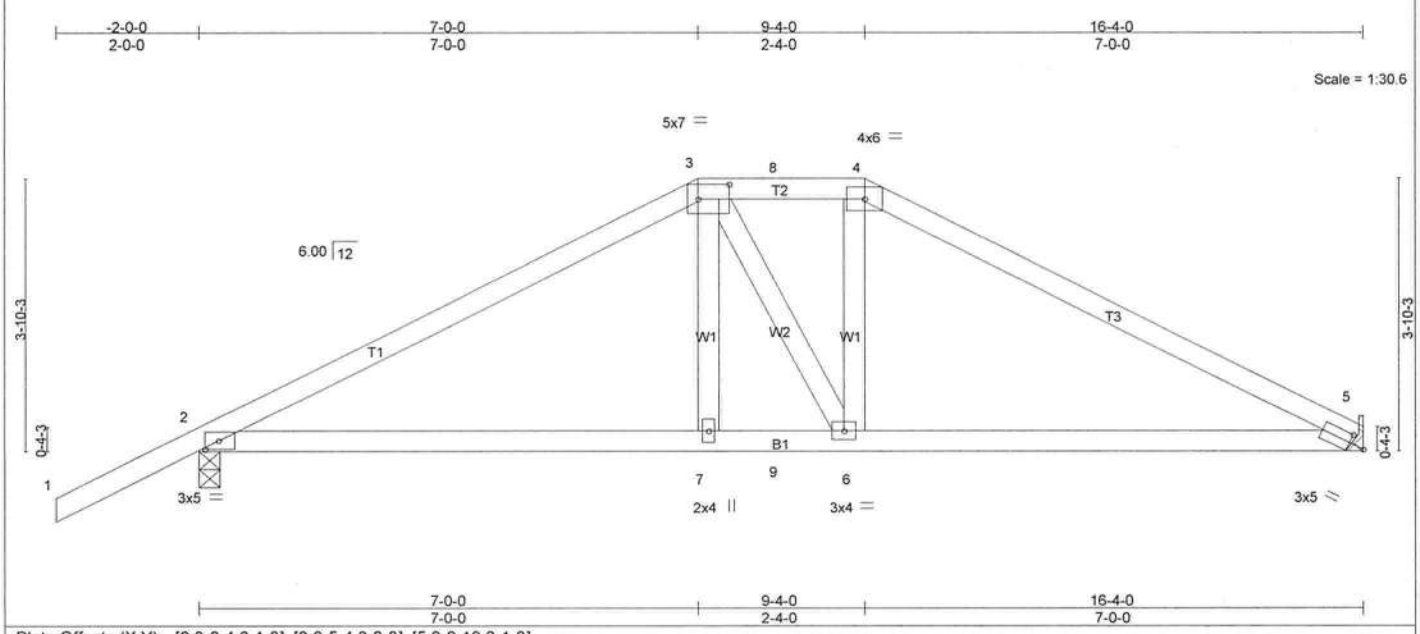


Plate Offsets (X,Y): [2:0-2-4,0-1-8], [3:0-5-4,0-2-8], [5:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.47 | Vert(LL) | -0.08 | 5-6 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.40 | Vert(TL) | -0.16 | 5-6 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.10 | Horz(TL) | -0.04 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.09 | 6-7 | >999 | 240 | Weight: 70 lb | |

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

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

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

**REACTIONS** (lb/size) 5=836/Mechanical, 2=922/0-3-8
Max Horz 2=114(LC 5)
Max Uplift 5=-820(LC 6), 2=-910(LC 5)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1371/1534, 3-8=-1246/1522, 4-8=-1246/1522, 4-5=-1478/1632
BOT CHORD 2-7=-1307/1138, 7-9=-1314/1137, 6-9=-1314/1137, 5-6=-1373/1241
WEBS 3-6=-248/316, 4-6=-338/292

**NOTES** (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 SYP No.2 .
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=820, 2=910.
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) 151 lb down and 213 lb up at 7-0-0, and 103 lb down and 107 lb up at 8-2-0, and 222 lb down and 283 lb up at 9-4-0 on top chord, and 165 lb up at 7-0-0, and 66 lb down and 93 lb up at 8-2-0, and 261 lb down and 415 lb up at 9-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
14) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard

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

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Continued on page 2



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241515 |
|---|---|---|---|---|---|---|
| 327272 | T02 | COMMON | 1 | 1 | Job Reference (optional) | |

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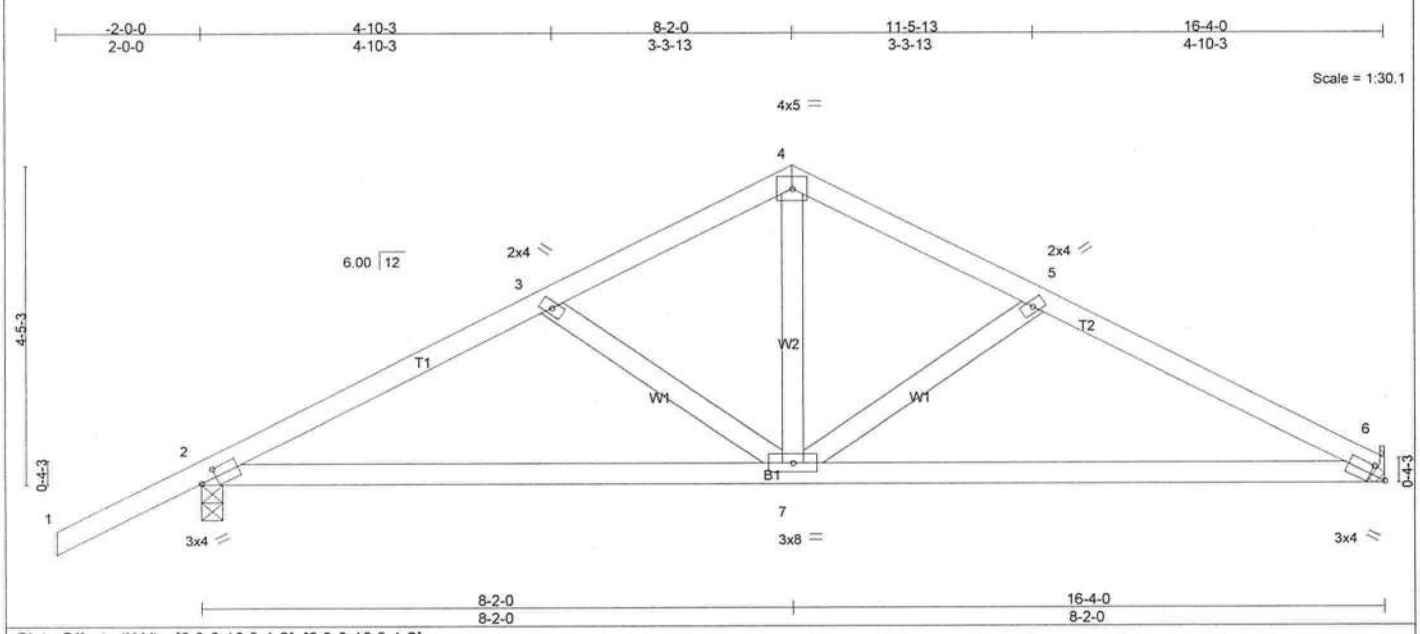



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [6:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.09 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.36 | Vert(TL) | -0.16 | 6-7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.12 | Horz(TL) | 0.02 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.05 | 6-7 | >999 | 240 | Weight: 73 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-9-13 oc bracing.

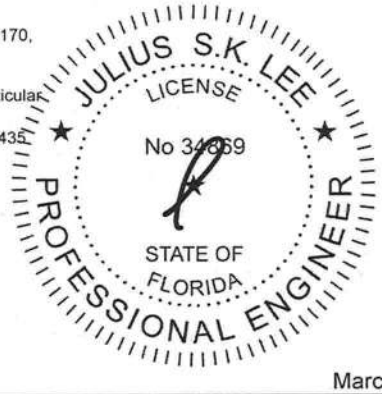
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 6=506/Mechanical, 2=638/0-3-8
Max Horz 2=122(LC 6)
Max Uplift 6=-170(LC 7), 2=-299(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-829/614, 3-4=-615/504, 4-5=-619/512, 5-6=-839/658
BOT CHORD 2-7=-442/681, 6-7=-505/711
WEBS 4-7=-282/360, 5-7=-256/337, 3-7=-219/260

**NOTES** (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=170, 2=299.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard




March 4,2010

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

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

**LOAD CASE(S)** Standard

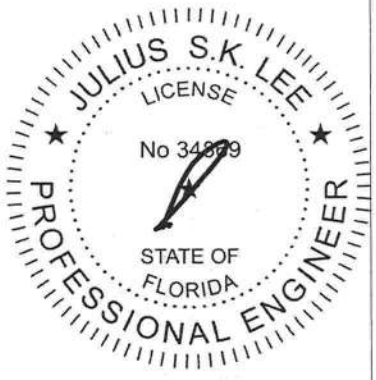
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 5-6=-54, 6-7=-54, 7-9=-54, 2-8=-10

Concentrated Loads (lb)

Vert: 14=-38(F) 15=-38(F) 16=-1103(F) 17=-131(F) 18=-131(F) 19=-221(F) 20=-221(F) 21=-366(F)




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241518 |
|---|---|---|---|---|---|---|
| 327272 | T05 | SPECIAL | 1 | 1 | Job Reference (optional) | |

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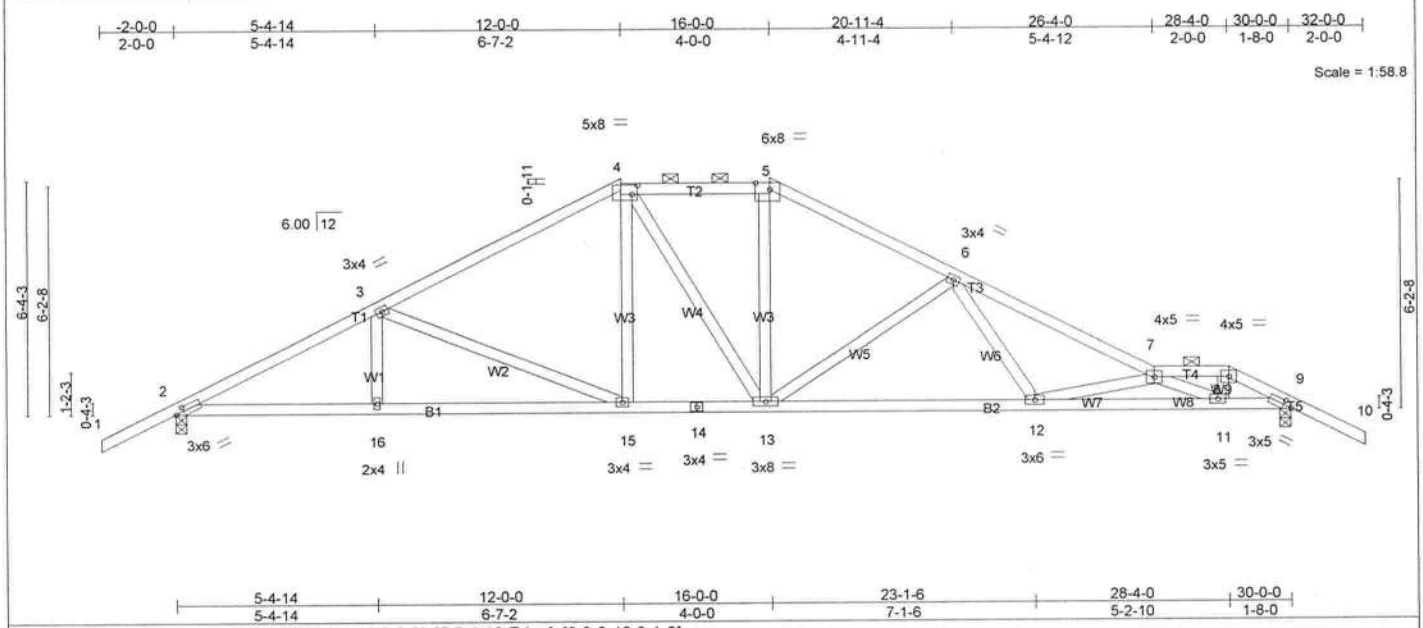



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [4:0-1-12,0-3-0], [5:0-4-10,Edge], [9:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.50 | Vert(LL) | -0.14 | 12-13 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.65 | Vert(TL) | -0.31 | 12-13 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.42 | Horz(TL) | 0.09 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.21 | 12-13 | >999 | 240 | Weight: 164 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except 2-0-0 oc purlins (5-2-3 max.): 4-5, 7-8.
BOT CHORD Rigid ceiling directly applied or 4-3-8 oc bracing.

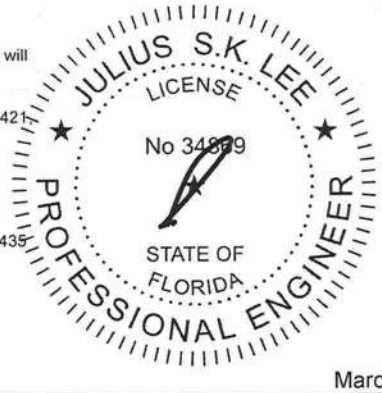
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=1067/0-3-8, 9=1067/0-3-8
Max Horz 2=134(LC 6)
Max Uplift 2=-421(LC 6), 9=-437(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1779/1266, 3-4=-1340/1042, 4-5=-1167/1042, 5-6=-1357/1090, 6-7=-2179/1577, 7-8=-1473/927, 8-9=-1605/1001
BOT CHORD 2-16=-930/1526, 15-16=-930/1526, 14-15=-543/1133, 13-14=-543/1133, 12-13=-1037/1663, 11-12=-2123/3149, 9-11=-686/1350
WEBS 3-15=-440/422, 4-15=-137/264, 5-13=-277/358, 6-13=-616/590, 6-12=-263/500, 7-12=-1279/984, 7-11=-1855/1496, 8-11=-527/752

**NOTES** (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=421, 9=437.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010

**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.

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| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241520 |
|---|---|---|---|---|---|---|
| 327272 | T07 | COMMON | 4 | 1 | Job Reference (optional) | |

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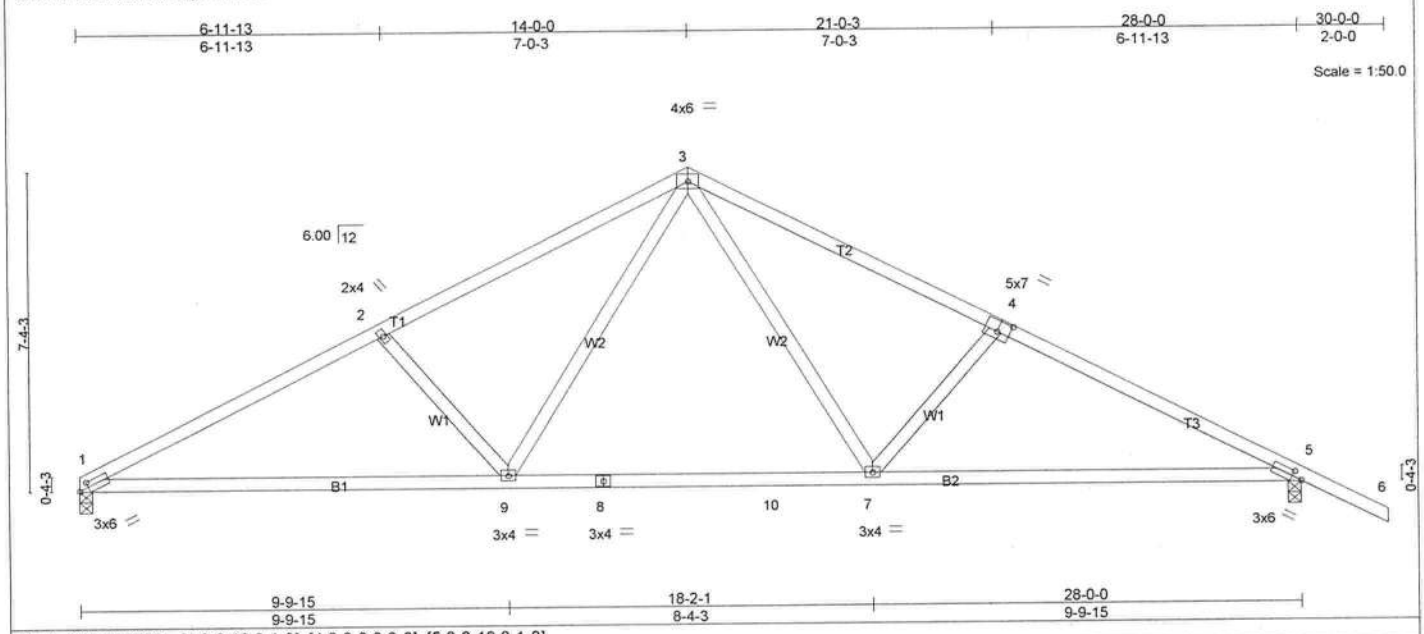



Plate Offsets (X,Y): [1:0-2-10,0-1-8], [4:0-3-8,0-3-0], [5:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.53 | Vert(LL) | -0.28 | 7-9 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.58 | Vert(TL) | -0.45 | 1-9 | >737 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.47 | Horz(TL) | 0.06 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.13 | 1-9 | >999 | 240 | Weight: 128 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-4-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-3 oc bracing.

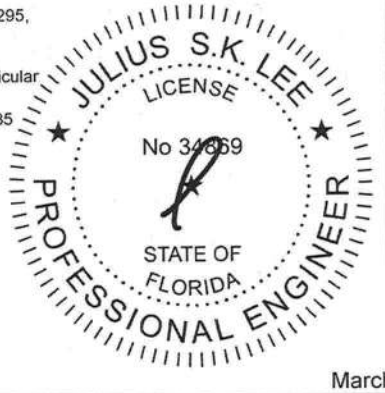
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=959/0-3-8, 5=1083/0-3-8
Max Horz 1=-166(LC 7)
Max Uplift 1=-295(LC 6), 5=-420(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1761/1229, 2-3=-1525/1140, 3-4=-1508/1107, 4-5=-1756/1189
BOT CHORD 1-9=-888/1520, 8-9=-359/997, 8-10=-359/997, 7-10=-359/997, 5-7=-837/1493
WEBS 3-7=-344/537, 4-7=-368/467, 3-9=-395/565, 2-9=-387/507

**NOTES** (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=295, 5=420.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241522 |
|---|---|---|---|---|---|---|
| 327272 | T09 | COMMON | 5 | 1 | Job Reference (optional) | |

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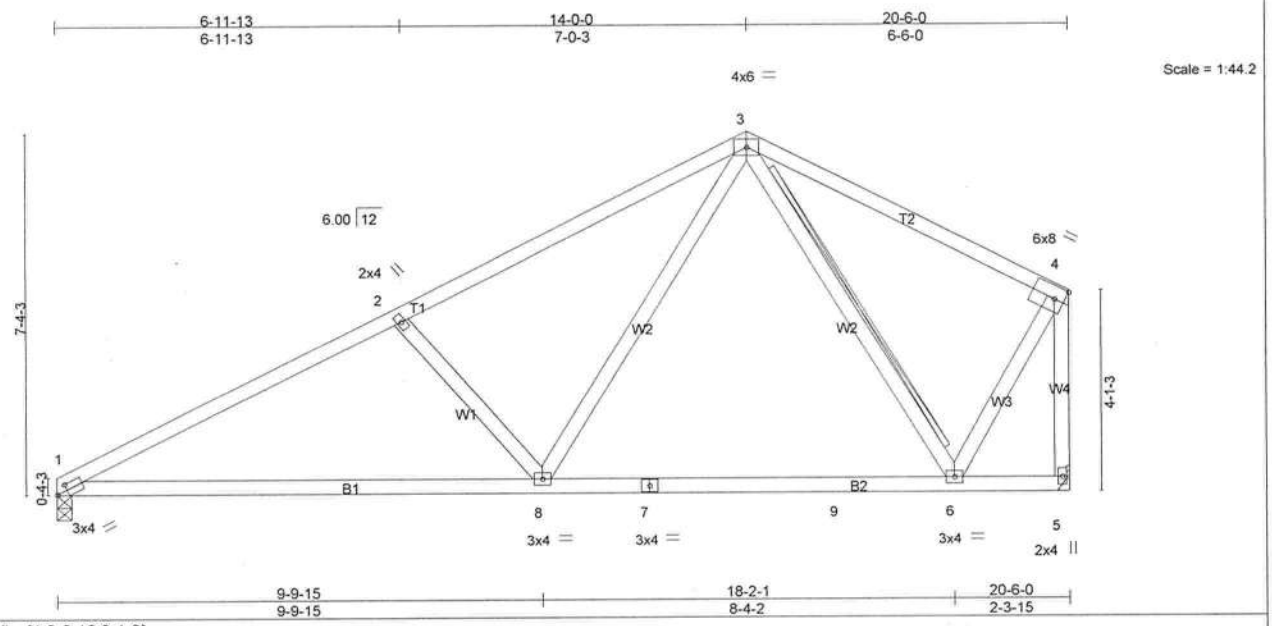



Plate Offsets (X,Y): [1:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.47 | Vert(LL) | -0.21 | 1-8 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.49 | Vert(TL) | -0.39 | 1-8 | >624 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.47 | Horz(TL) | 0.02 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.09 | 1-8 | >999 | 240 | Weight: 107 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W4: 2 X 4 SYP No.2

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-5 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-6
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

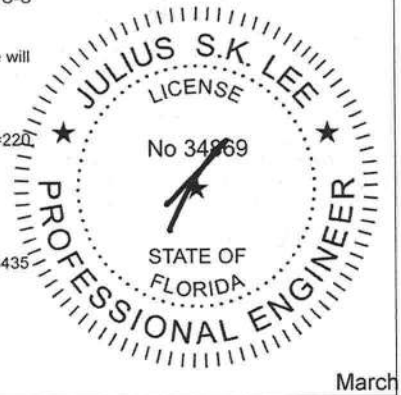
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=695/0-3-8, 5=751/Mechanical
Max Horz 1=203(LC 6)
Max Uplift 1=-220(LC 6), 5=-211(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1187/792, 2-3=-949/700, 3-4=-415/294, 4-5=-819/507
BOT CHORD 1-8=-845/1010, 7-8=-312/480, 7-9=-312/480, 6-9=-312/480
WEBS 2-8=-392/514, 3-8=-395/566, 3-6=-342/310, 4-6=-243/576

**NOTES** (10-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=220, 5=211.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard




March 4,2010



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1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241524 |
|---|---|---|---|---|---|---|
| 327272 | T11 | SPECIAL | 3 | 1 | Job Reference (optional) | |

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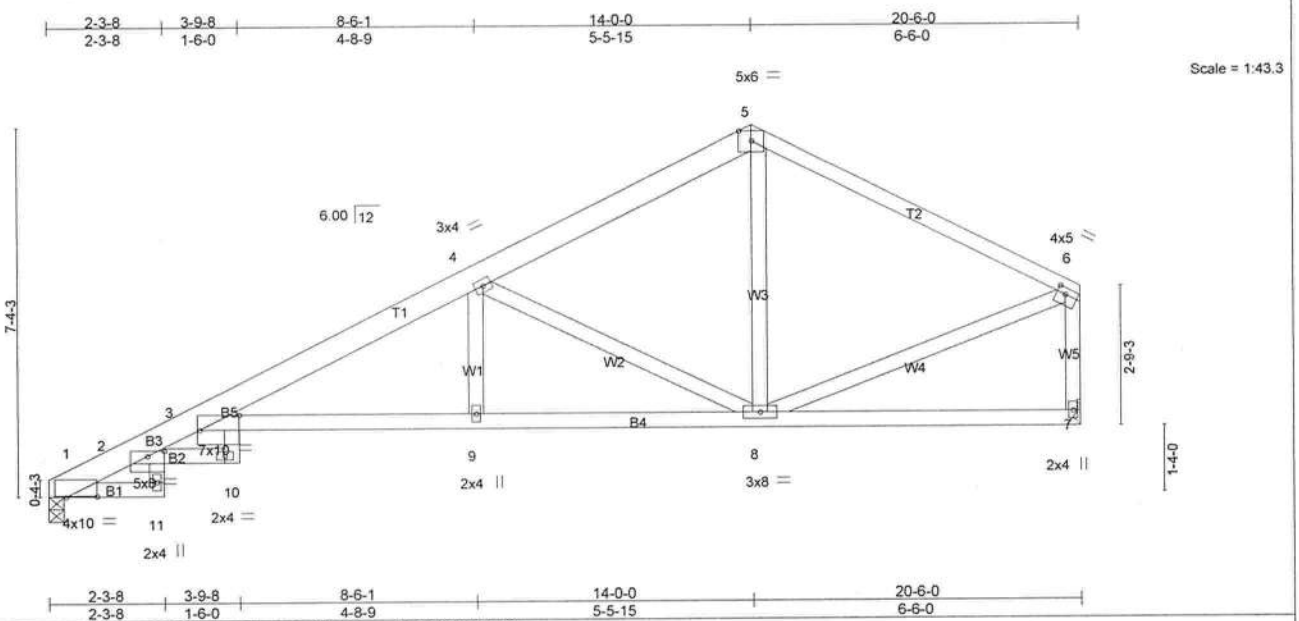


Plate Offsets (X,Y): [1:0-7-7,0-0-3], [2:0-4-0,0-1-4], [3:0-9-8,Edge], [6:0-2-0,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.76 | Vert(LL) | -0.29 | 10 | >816 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.77 | Vert(TL) | -0.56 | 10 | >423 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.57 | Horz(TL) | 0.28 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.55 | 10 | >434 | 240 | Weight: 115 lb | |

**LUMBER**
TOP CHORD 2 X 6 SYP No.1D *Except* T2: 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B3,B5: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* W5: 2 X 4 SYP No.2

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-13 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=648/0-3-8, 7=638/Mechanical
Max Horz 1=203(LC 6)
Max Uplift 1=-208(LC 6), 7=-206(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-460/173, 2-3=-543/297, 3-4=-1320/1023, 4-5=-654/563, 5-6=-639/528, 6-7=-606/529
BOT CHORD 2-10=-284/293, 3-9=-1083/1236, 8-9=-1083/1236
WEBS 4-8=-825/812, 5-8=-189/312, 6-8=-338/495

**NOTES** (11-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=208, 7=206.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
13) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard

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

March 4,2010

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241526 |
|---|---|---|---|---|---|---|
| 327272 | T13 | SPECIAL | 1 | 3 | Job Reference (optional) | |

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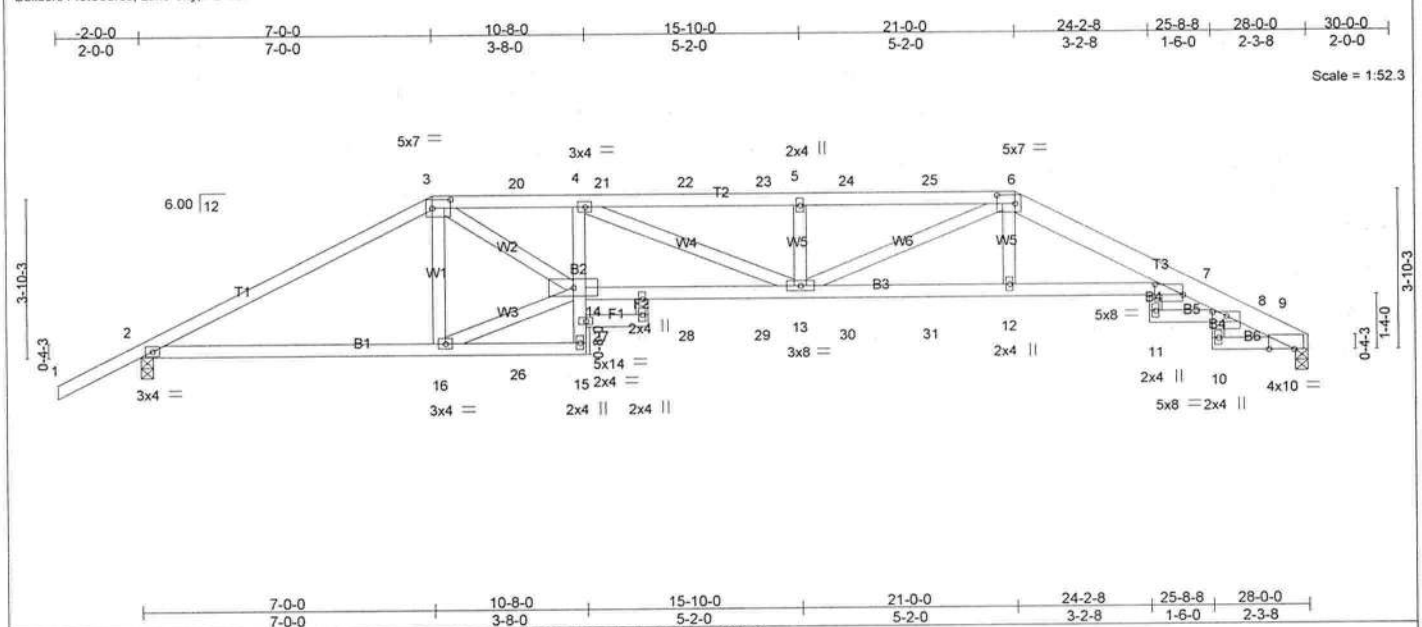


Plate Offsets (X,Y): [3:0-5-4,0-2-8], [6:0-5-4,0-2-8], [7:0-8-0,0-3-0], [8:0-4-0,0-1-4], [9:0-7-5,0-0-1]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.97 | Vert(LL) | -0.31 | 11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.43 | Vert(TL) | -0.60 | 11 | >545 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.37 | Horz(TL) | 0.39 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.40 | 11 | >825 | 240 | Weight: 430 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2 *Except*
T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except*
B2,B4: 2 X 4 SYP No.3
WEBS 2 X 4 SYP 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. Except:
10-0-0 oc bracing: 14-15

**REACTIONS** (lb/size) 9=1730/0-3-8, 2=1818/0-3-8
Max Horz 2=114(LC 5)
Max Uplift 9=-947(LC 6), 2=-1301(LC 5)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3287/2357, 3-20=-5710/3872, 4-20=-5709/3872, 4-21=-5968/3628, 21-22=-5968/3628, 22-23=-5968/3628, 5-23=-5968/3628, 5-24=-5966/3626, 24-25=-5968/3626, 6-25=-5970/3627, 6-7=-4729/2709, 7-8=-722/452, 8-9=-948/538
BOT CHORD 2-16=-2085/2836, 4-14=-561/208, 14-27=-3870/5778, 27-28=-3870/5778, 28-29=-3870/5777, 13-29=-3870/5777, 13-30=-2587/4579, 30-31=-2587/4579, 12-31=-2587/4579, 7-12=-2577/4558
WEBS 3-16=-828/404, 14-16=-2157/2911, 3-14=-2062/3416, 4-13=0/334, 5-13=-529/338, 6-13=-1077/1566, 6-12=-157/455

**NOTES** (14-15)
1) 3-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, 2 X 6 - 2 rows 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.
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 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SYP No.2 .
9) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=947, 2=1301.
11) "Pin all pitchbreaks" Member end fixity model was used in the analysis and design of this truss.
12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

Continued on page 2

JULIUS S.K. LEE LICENSE No 34809 STATE OF FLORIDA PROFESSIONAL ENGINEER

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241527 |
|---|---|---|---|---|---|---|
| 327272 | T14 | SPECIAL | 1 | 1 | Job Reference (optional) | |

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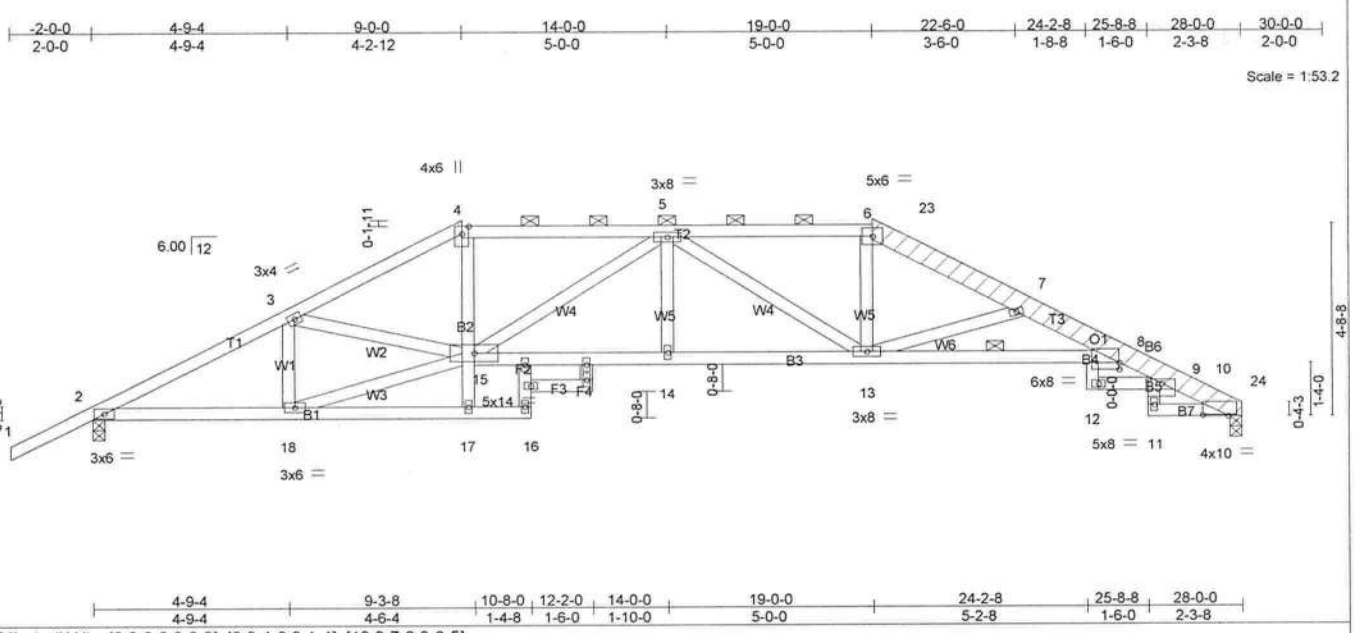


Plate Offsets (X,Y): [8:0-0-0,0-2-0], [9:0-4-0,0-1-4], [10:0-7-8,0-0-5]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.63 | Vert(LL) | -0.22 | 13-14 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.59 | Vert(TL) | -0.43 | 8-13 | >762 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.46 | Horz(TL) | 0.32 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.33 | 12 | >996 | 240 | Weight: 184 lb | |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2 *Except* T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B2,B4,B6: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D
LBR SCAB 6-10 2 X 6 SYP No.1D one side

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-4-8 oc purlins, except 2-0-0 oc purlins (4-6-12 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 5-9-2 oc bracing. Except:
4-8-0 oc bracing: 8-13
5-10-0 oc bracing: 14-15
10-0-0 oc bracing: 15-17

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

**REACTIONS** (lb/size) 10=889/0-3-8, 2=1007/0-3-8
Max Horz 2=128(LC 6)
Max Uplift 10=-243(LC 7), 2=-375(LC 6)

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

TOP CHORD 2-3=-1644/1110, 3-4=-1889/1297, 4-5=-1691/1243, 5-6=-1687/1261, 6-23=-1807/1316, 7-23=-1867/1309, 7-8=-2753/1980, 8-9=-346/317, 9-24=-455/365, 10-24=-481/364
BOT CHORD 2-18=-883/1401, 4-15=-382/621, 14-15=-1206/2005, 13-14=-1206/2005, 8-13=-1856/2745
WEBS 3-18=-375/301, 15-18=-903/1433, 3-15=-96/331, 5-15=-469/295, 5-13=-473/270, 6-13=-361/572, 7-13=-1135/936

**NOTES** (13-14)

1) Attached 10-2-10 scab 6 to 10, back face(s) 2 X 6 SYP No.1D with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 5-9-14 from end at joint 6, nail 2 row(s) at 4" o.c. for 3-9-7.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
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 SYP No.2 .
9) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=243, 2=375.
11) "Pin all pitchbreaks" Member end fixity model was used in the analysis and design of this truss.
12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Continued on page 2

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

March 4,2010

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241528 |
|---|---|---|---|---|---|---|
| 327272 | T15 | SPECIAL | 1 | 1 | Job Reference (optional) | |

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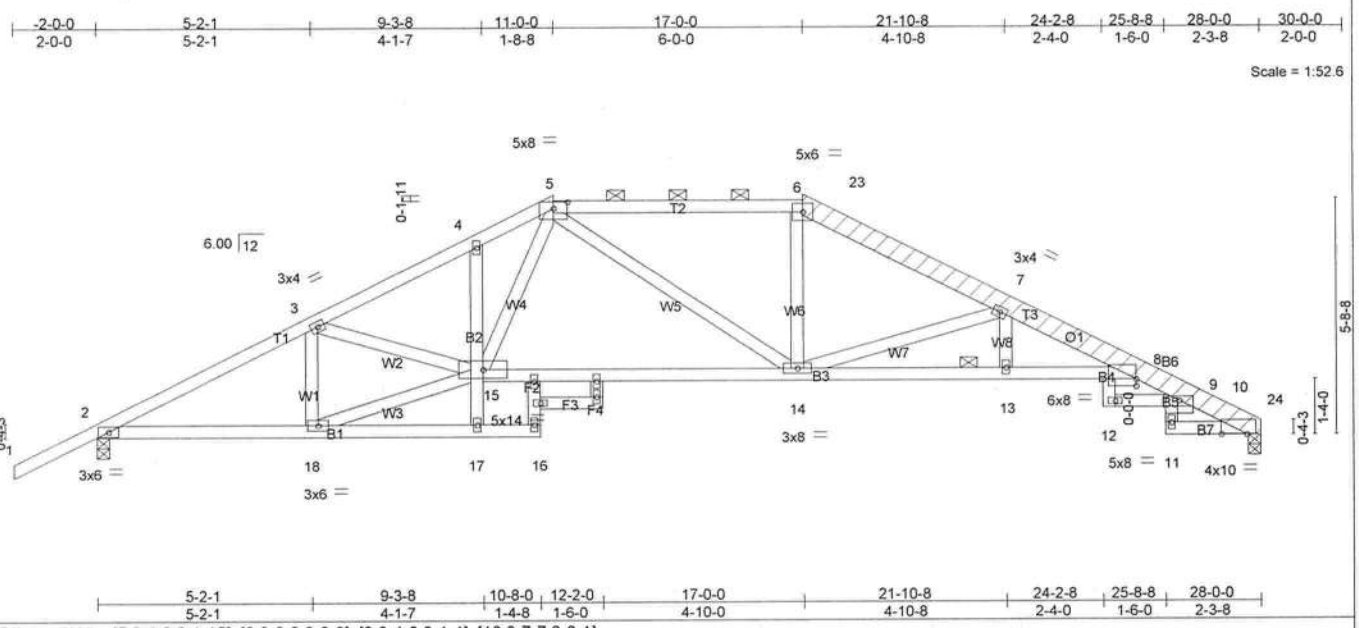


Plate Offsets (X,Y): [5:0-4-0,0-1-15], [8:0-0-0,0-2-0], [9:0-4-0,0-1-4], [10:0-7-7,0-0-1]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.69 | Vert(LL) | -0.22 | 12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.68 | Vert(TL) | -0.44 | 14-15 | >754 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.53 | Horz(TL) | 0.31 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.34 | 12 | >970 | 240 | Weight: 193 lb | |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2 *Except* T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B2,B4,B6: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D
LBR SCAB 6-10 2 X 6 SYP No.1D one side

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-6-12 oc purlins, except 2-0-0 oc purlins (4-0-6 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
5-0-0 oc bracing: 8-14
10-0-0 oc bracing: 15-17

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

**REACTIONS** (lb/size) 10=889/0-3-8, 2=1007/0-3-8
Max Horz 2=143(LC 6)
Max Uplift 10=-259(LC 7), 2=-392(LC 6)

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

TOP CHORD 2-3=-1629/1117, 3-4=-1866/1327, 4-5=-1828/1423, 5-6=-1409/1115, 6-23=-1530/1168, 7-23=-1626/1163, 7-8=-2443/1762, 8-9=-346/322, 9-24=-455/370, 10-24=-481/369
BOT CHORD 2-18=-884/1385, 14-15=-761/1382, 13-14=-1617/2408, 8-13=-1617/2409
WEBS 3-18=-412/329, 15-18=-914/1433, 3-15=-64/269, 5-15=-467/611, 6-14=-244/438, 7-14=-1069/906

**NOTES** (13-14)

1) Attached 12-5-7 scab 6 to 10, back face(s) 2 X 6 SYP No.1D with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 8-0-12 from end at joint 6, nail 2 row(s) at 4" o.c. for 3-9-7.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
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 SYP No.2 .
9) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=259, 2=392.
11) "Pin all pitchbreaks" Member end fixity model was used in the analysis and design of this truss.
12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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

March 4,2010

**LOAD CASE(S)** Standard



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241530 |
|---|---|---|---|---|---|---|
| 327272 | T17 | HIP | 1 | 1 | Job Reference (optional) | |

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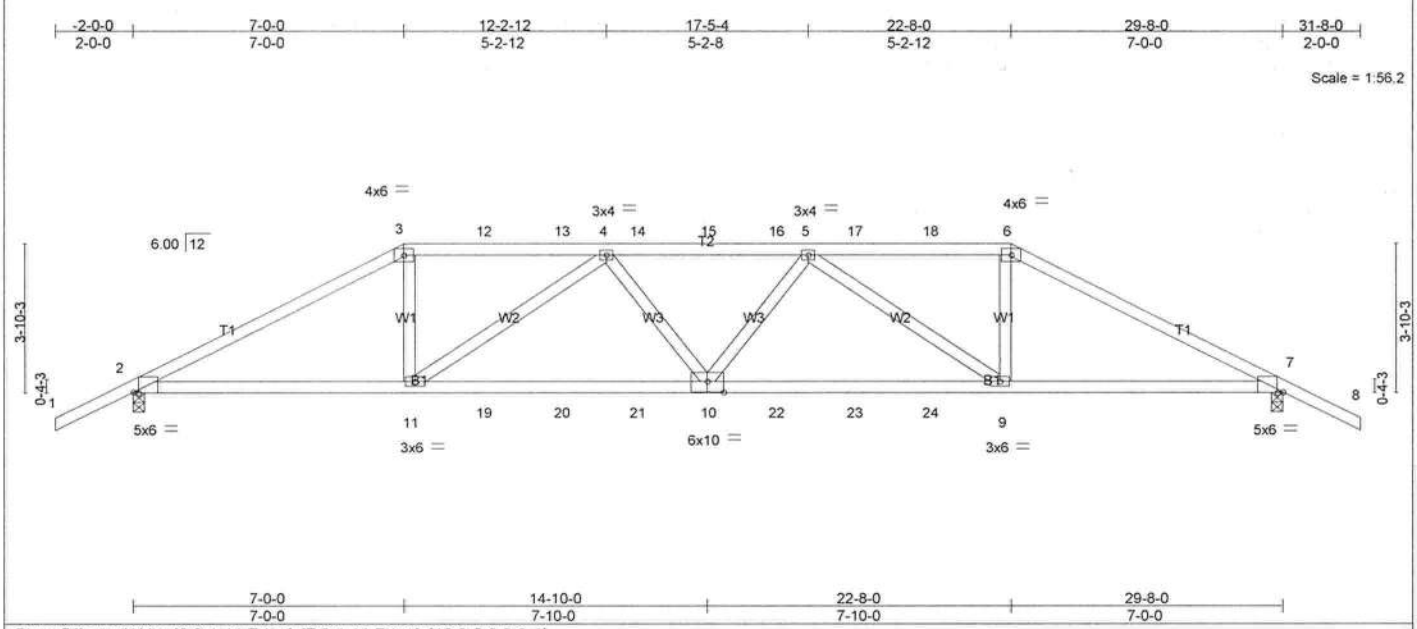



Plate Offsets (X,Y): [2:0-1-11,Edge], [7:0-1-11,Edge], [10:0-5-0,0-3-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.64 | Vert(LL) | -0.29 | 10-11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.93 | Vert(TL) | -0.61 | 10-11 | >574 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.88 | Horz(TL) | 0.15 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.55 | 10-11 | >636 | 240 | Weight: 137 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-8-1 oc bracing.

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

**REACTIONS** (lb/size) 2=1797/0-3-8, 7=1734/0-3-8
Max Horz 2=97(LC 5)
Max Uplift 2=-1329(LC 5), 7=-1236(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3314/2478, 3-12=-2904/2270, 12-13=-2903/2270, 4-13=-2903/2270, 4-14=-4007/3137, 14-15=-4007/3137, 15-16=-4007/3137, 5-16=-4007/3137, 5-17=-2785/2111, 17-18=-2785/2111, 6-18=-2786/2111, 6-7=-3178/2296
BOT CHORD 2-11=-2157/2862, 11-19=-2891/3814, 19-20=-2891/3814, 20-21=-2891/3814, 10-21=-2891/3814, 10-22=-2813/3774, 22-23=-2813/3774, 23-24=-2813/3774, 9-24=-2813/3774, 7-9=-1953/2742
WEBS 3-11=-803/1031, 4-11=-1189/940, 4-10=-320/434, 5-10=-411/454, 5-9=-1284/1068, 6-9=-877/1086

**NOTES** (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1329, 7=1236.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 150 lb down and 223 lb up at 7-10-0, 32 lb down and 50 lb up at 9-0-12, 32 lb down and 50 lb up at 11-0-12, 32 lb down and 50 lb up at 13-0-12, 32 lb down and 50 lb up at 14-10-0, 32 lb down and 50 lb up at 16-7-4, 32 lb down and 50 lb up at 18-7-4, and 32 lb down and 50 lb up at 20-7-4, and 32 lb down and 50 lb up at 22-8-0 on top chord, and 112 lb down and 133 lb up at 7-0-12, 112 lb down and 133 lb up at 9-0-12, 112 lb down and 133 lb up at 11-0-12, 112 lb down and 133 lb up at 13-0-12, 112 lb down and 133 lb up at 14-10-0, 112 lb down and 133 lb up at 16-7-4, 112 lb down and 133 lb up at 18-7-4, and 112 lb down and 133 lb up at 20-7-4, and 112 lb down and 133 lb up at 22-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

Continued on page 2

March 4,2010



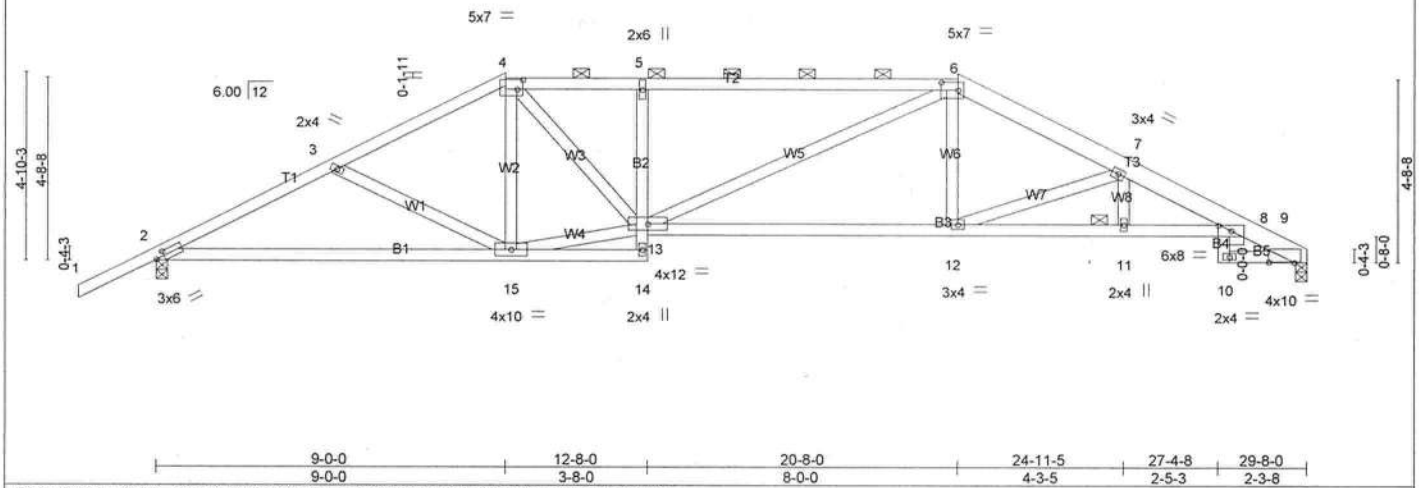
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241531 |
|---|---|---|---|---|---|---|
| 327272 | T18 | SPECIAL | 1 | 1 | Job Reference (optional) | |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:39:05 2010 Page 1

-2-0-0 | 4-7-15 | 9-0-0 | 12-8-0 | 20-8-0 | 24-11-5 | 27-4-8 | 29-8-0 | 31-8-0
2-0-0 | 4-7-15 | 4-4-1 | 3-8-0 | 8-0-0 | 4-3-5 | 2-5-3 | 2-3-8 | 2-0-0

Scale = 1:56.2




9-0-0 | 12-8-0 | 20-8-0 | 24-11-5 | 27-4-8 | 29-8-0
9-0-0 | 3-8-0 | 8-0-0 | 4-3-5 | 2-5-3 | 2-3-8

Plate Offsets (X,Y): [2:0-2-10,0-1-8], [4:0-1-12,0-3-0], [6:0-5-4,0-2-8], [9:0-7-15,0-0-3]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.56 | Vert(LL) | -0.18 | 2-15 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.63 | Vert(TL) | -0.35 | 12-13 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.37 | Horz(TL) | 0.16 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.21 | 12-13 | >999 | 240 | Weight: 162 lb | |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2 *Except* T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B2,B4: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins, except 2-0-0 oc purlins (3-11-11 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 5-2-0 oc bracing: 8-12

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

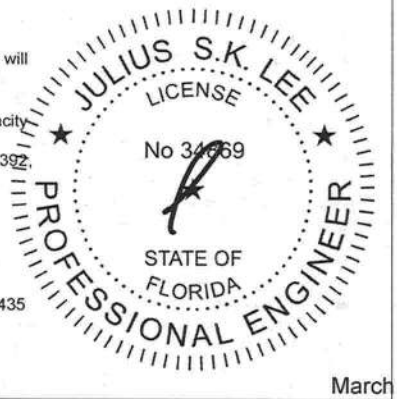
**REACTIONS** (lb/size) 2=1050/0-3-8, 9=931/0-3-8
Max Horz 2=128(LC 6)
Max Uplift 2=-392(LC 6), 9=-261(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1715/1239, 3-4=-1473/1085, 4-5=-1779/1393, 5-6=-1824/1428, 6-7=-1745/1282, 7-8=-2236/1630, 8-9=-668/506
BOT CHORD 2-15=-1001/1469, 5-13=-419/381, 12-13=-937/1536, 11-12=-1444/2083, 8-11=-1443/2083
WEBS 3-15=-224/282, 13-15=-593/1158, 4-13=-532/760, 6-13=-229/437, 6-12=-151/369, 7-12=-595/547

**NOTES** (12-13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=392, 9=261.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241532 |
|---|---|---|---|---|---|---|
| 327272 | T19 | SPECIAL | 1 | 1 | Job Reference (optional) | |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:39:06 2010 Page 2

**LOAD CASE(S)** Standard

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

March 4,2010

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

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241534 |
|---|---|---|---|---|---|---|
| 327272 | T21 | SPECIAL | 2 | 1 | Job Reference (optional) | |

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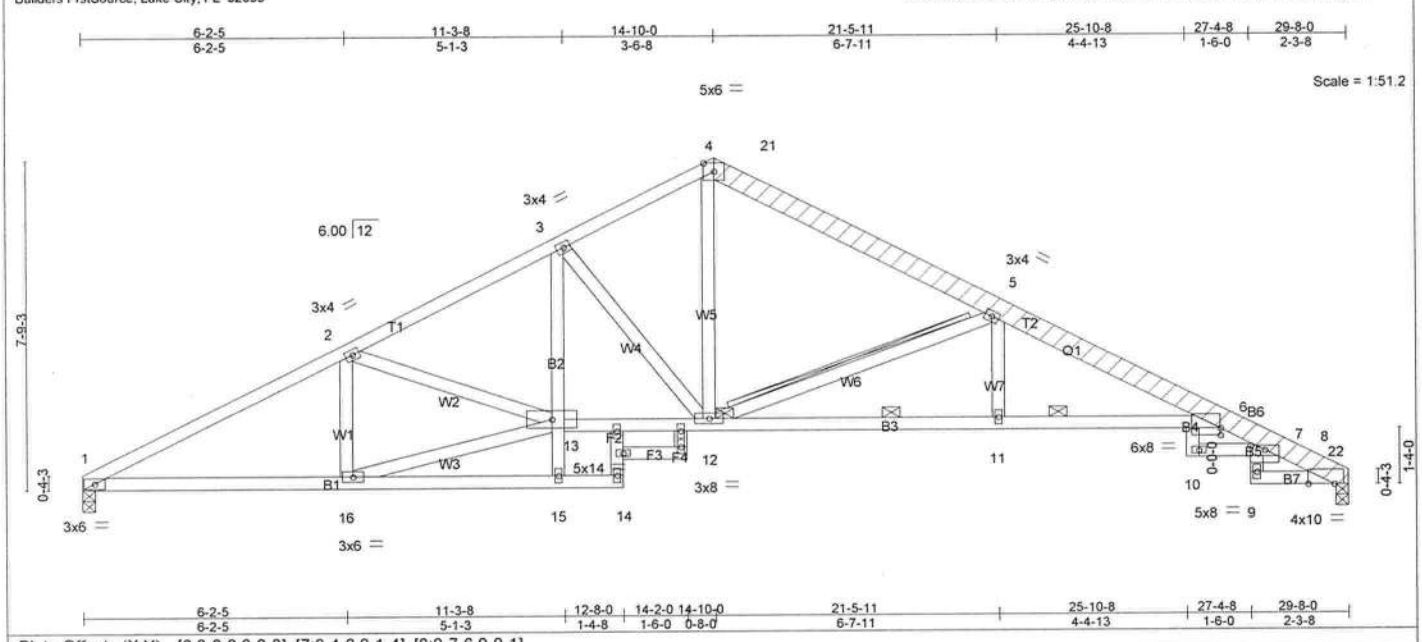



Plate Offsets (X,Y): [6:0-0-0,0-2-0], [7:0-4-0,0-1-4], [8:0-7-6,0-0-1]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.67 | Vert(LL) | -0.29 | 10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.48 | Vert(TL) | -0.56 | 10 | >626 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.50 | Horz(TL) | 0.37 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.45 | 10 | >772 | 240 | Weight: 213 lb | |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2 X 4 SYP No.2 *Except* T2: 2 X 6 SYP No.1D |
| BOT CHORD | 2 X 4 SYP No.2 *Except* B2,B4,B6: 2 X 4 SYP No.3 |
| WEBS | 2 X 4 SYP No.3 |
| OTHERS | 2 X 6 SYP No.1D |
| LBR SCAB | 4-8 2 X 6 SYP No.1D one side |

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 4-1-15 oc purlins. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 5-2-0 oc bracing: 6-13 10-0-0 oc bracing: 13-15 |
| WEBS | T-Brace: 2 X 4 SYP No.3 - 5-12 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance. Brace must cover 90% of web length. |

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

**REACTIONS** (lb/size) 1=939/0-3-8, 8=948/0-3-8
Max Horz 1=120(LC 5)
Max Uplift 1=-305(LC 6), 8=-297(LC 7)

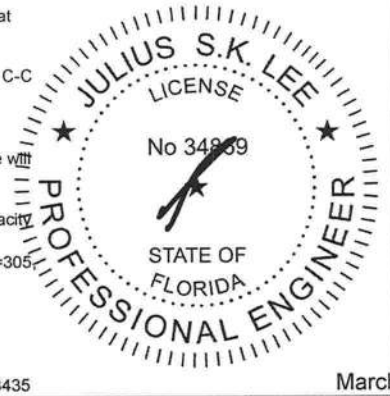
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-1738/1298, 2-3=-1784/1369, 3-4=-1327/1116, 4-21=-1233/1075, 5-21=-1374/1055, 5-6=-2250/1675, 6-7=-373/351, 7-22=-487/406, 8-22=-514/405 |
| BOT CHORD | 1-16=-1058/1501, 3-13=-317/455, 12-13=-930/1541, 11-12=-1466/2150, 6-11=-1467/2150 |
| WEBS | 2-16=-348/332, 13-16=-1080/1533, 3-12=-619/562, 4-12=-761/941, 5-12=-1105/983 |

**NOTES** (12-13)

1) Attached 16-8-14 scab 4 to 8, back face(s) 2 X 6 SYP No.1D with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 12-4-3 from end at joint 4, nail 2 row(s) at 4" o.c. for 3-9-7.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SYP No.2 .
8) 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=305, 8=297.
10) "Pin all pitchbreaks" Member end fixity model was used in the analysis and design of this truss.
11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Continued on page 2




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241535 |
|---|---|---|---|---|---|---|
| 327272 | T22 | SPECIAL | 1 | 2 | Job Reference (optional) | |

Builders FrstSource, Lake City, FL 32055

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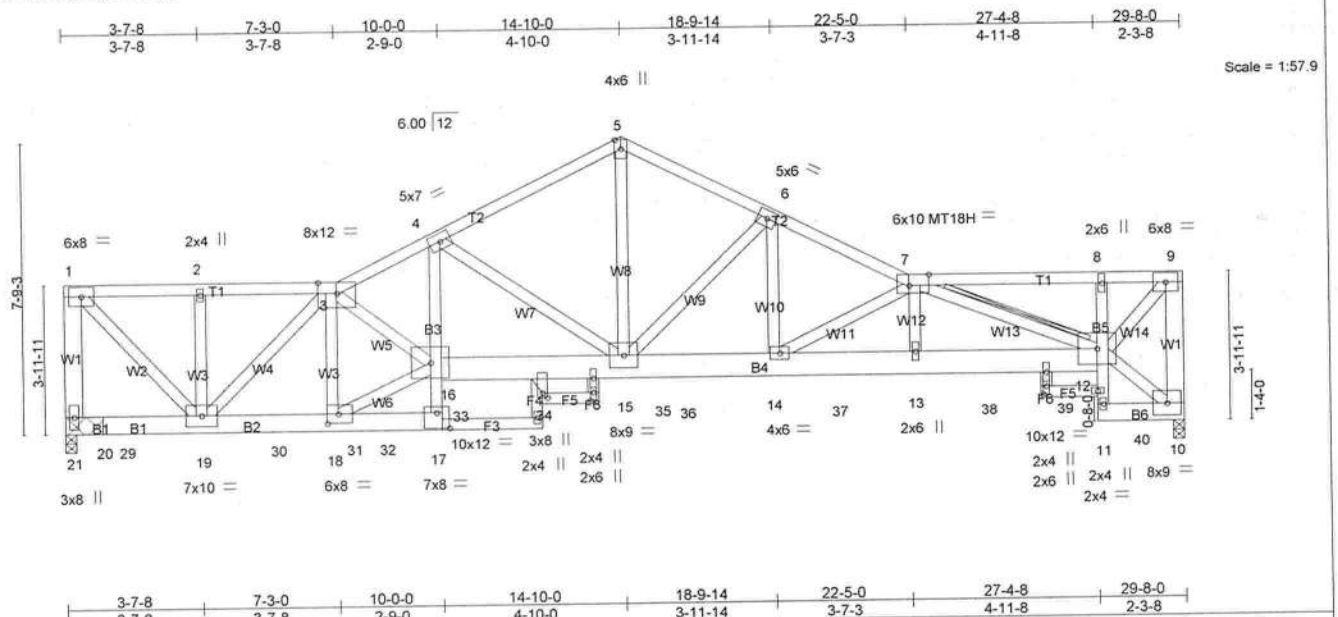


Plate Offsets (X,Y): [7:0-6-4,Edge], [17:0-4-0,0-5-0], [18:0-3-8,0-3-0], [22:0-1-8,0-1-8], [23:0-2-8,0-1-0], [25:0-2-8,0-1-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d |
|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.47 | Vert(LL) | -0.33 | 15-16 | >999 | 360 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.90 | Vert(TL) | -0.61 | 15-16 | >577 | 240 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 1.00 | Horz(TL) | 0.30 | 10 | n/a | n/a |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.27 | 15-16 | >999 | 240 |

| PLATES | GRIP |
|---|---|
| MT20 | 244/190 |
| MT18H | 244/190 |

Weight: 511 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D *Except*
B3,F5,F3: 2 X 4 SYP No.2, B4: 2 X 8 SYP No.1D, B5: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W1: 2 X 6 SYP No.1D, W2,W6,W8,W14: 2 X 4 SYP No.2

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
10-0-0 oc bracing: 16-17, 11-12
WEBS T-Brace: 2 X 4 SYP No.2 - 7-12
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

**REACTIONS** (lb/size) 21=6101/0-3-10 (0-3-8 + bearing block), 10=5872/0-3-8
Max Horz 21=61(LC 4)
Max Uplift 21=-1908(LC 5), 10=-1883(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-5591/1768, 1-2=-5279/1650, 2-3=-5280/1650, 3-4=-12737/4048, 4-5=-8323/2677, 5-6=-8322/2697, 6-7=-11116/3562, 7-8=-5076/1648, 8-9=-4803/1556, 9-10=-5496/1783
BOT CHORD 19-30=-2975/9332, 18-30=-2975/9332, 18-31=-216/668, 31-32=-216/668, 17-32=-216/668, 16-17=-166/586, 4-16=-1400/4553, 16-33=-3676/11431, 33-34=-3673/11421, 34-35=-3670/11410, 15-35=-3667/11400, 15-36=-3153/9930, 14-36=-3153/9930, 14-37=-4422/13768, 13-37=-4422/13768, 13-38=-4439/13832, 38-39=-4439/13832, 12-39=-4439/13832, 11-12=-65/266
WEBS 1-19=-2356/7541, 3-19=-5702/1785, 3-18=-3348/1137, 16-18=-3189/10005, 3-16=-819/2470, 4-15=-4893/1628, 5-15=-2276/7130, 6-15=-3559/1250, 6-14=-1144/3541, 7-14=-4490/1484, 7-13=-286/1009, 7-12=-9523/3036, 9-12=-2333/7193

**NOTES** (15-16)

1) 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, 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, 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 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) 2 X 6 SYP No.1D bearing block 12" long at jt. 21 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SYP.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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.

Continued on page 2

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

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241536 |
|---|---|---|---|---|---|---|
| 327272 | T23 | HIP | 1 | 1 | Job Reference (optional) | |

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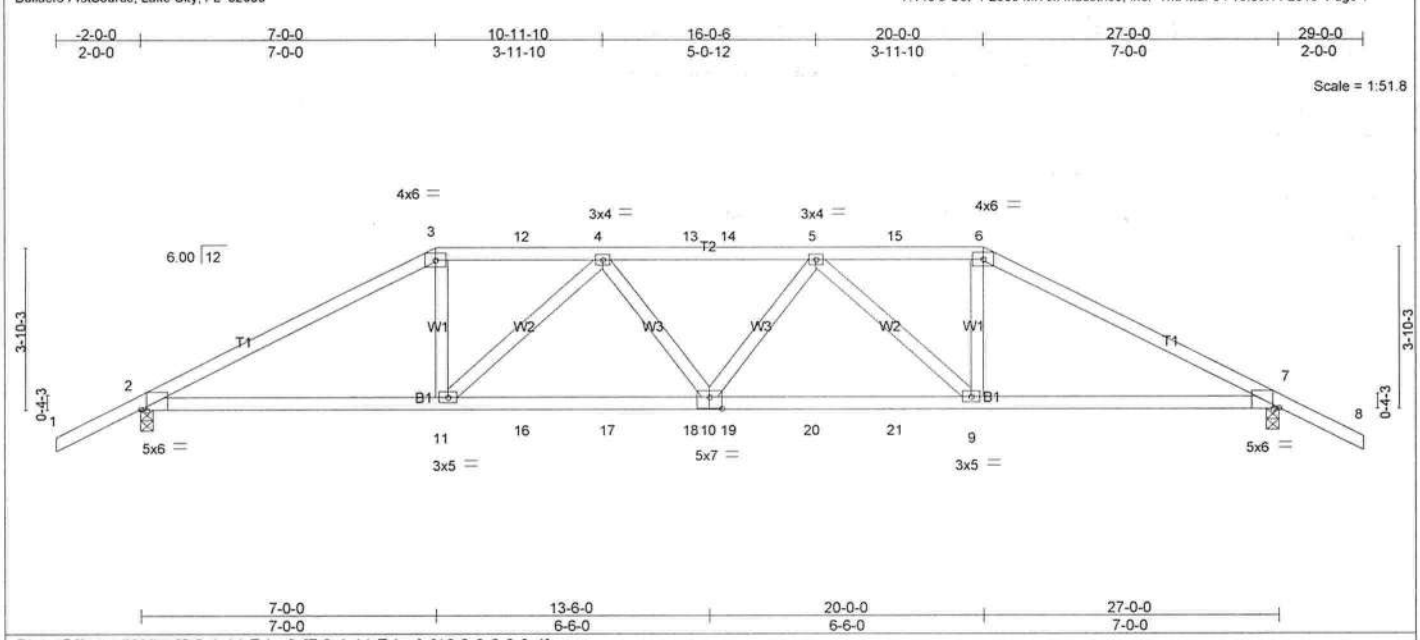



Plate Offsets (X,Y): [2:0-1-11,Edge], [7:0-1-11,Edge], [10:0-3-8,0-3-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.70 | Vert(LL) | -0.20 | 10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.79 | Vert(TL) | -0.41 | 10-11 | >786 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.48 | Horz(TL) | 0.14 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.45 | 9-10 | >715 | 240 | Weight: 126 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-2-5 oc bracing.

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

**REACTIONS** (lb/size) 2=1791/0-3-8, 7=1791/0-3-8
Max Horz 2=97(LC 5)
Max Uplift 2=-1656(LC 5), 7=-1645(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3265/3147, 3-12=-2858/2887, 4-12=-2857/2887, 4-13=-3584/3584, 13-14=-3584/3584, 5-14=-3584/3584, 5-15=-2857/2869, 6-15=-2858/2869, 6-7=-3265/3141
BOT CHORD 2-11=-2744/2820, 11-16=-3385/3518, 16-17=-3385/3518, 17-18=-3385/3518, 10-18=-3385/3518, 10-19=-3369/3518, 19-20=-3369/3518, 20-21=-3369/3518, 9-21=-3369/3518, 7-9=-2704/2820
WEBS 3-11=-1066/968, 4-11=-981/894, 4-10=-243/276, 5-10=-231/276, 5-9=-966/879, 6-9=-1056/957

**NOTES** (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1656, 7=1645.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 222 lb down and 283 lb up at 7-0-0, 103 lb down and 107 lb up at 9-0-12, 103 lb down and 107 lb up at 11-0-12, 103 lb down and 107 lb up at 13-0-12, 103 lb down and 107 lb up at 13-11-4, 103 lb down and 107 lb up at 15-11-4, and 103 lb down and 107 lb up at 17-11-4, and 262 lb down and 283 lb up at 20-0-0 on top chord, and 261 lb down and 415 lb up at 7-0-0, 66 lb down and 93 lb up at 9-0-12, 66 lb down and 93 lb up at 11-0-12, 66 lb down and 93 lb up at 13-0-12, 66 lb down and 93 lb up at 13-11-4, 66 lb down and 93 lb up at 15-11-4, and 66 lb down and 93 lb up at 17-11-4, and 261 lb down and 415 lb up at 19-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

JULIUS S.K. LEE LICENSE No 34899 STATE OF FLORIDA PROFESSIONAL ENGINEER

March 4,2010

Continued on page 2



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241537 |
|---|---|---|---|---|---|---|
| 327272 | T24 | HIP | 1 | 1 | Job Reference (optional) | |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:39:12 2010 Page 1

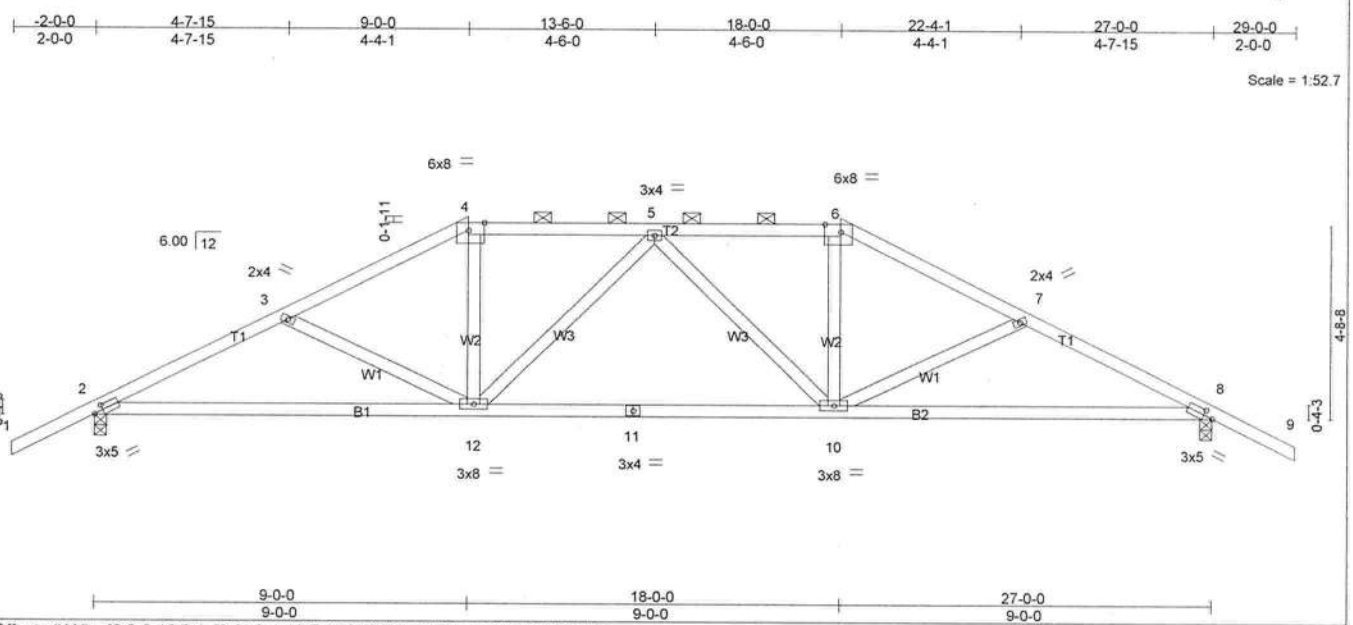



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [4:0-4-10,Edge], [6:0-4-10,Edge], [8:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.42 | Vert(LL) | -0.16 | 2-12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.44 | Vert(TL) | -0.29 | 2-12 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.20 | Horz(TL) | 0.06 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.12 | 10-12 | >999 | 240 | Weight: 135 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except 2-0-0 oc purlins (5-9-15 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 7-0-6 oc bracing.

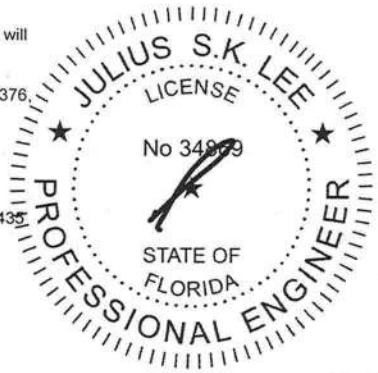
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=971/0-3-8, 8=971/0-3-8
Max Horz 2=-111(LC 7)
Max Uplift 2=-376(LC 6), 8=-376(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1545/1108, 3-4=-1305/955, 4-5=-1136/925, 5-6=-1136/925, 6-7=-1305/955, 7-8=-1545/1108
BOT CHORD 2-12=-786/1318, 11-12=-673/1280, 10-11=-673/1280, 8-10=-786/1318
WEBS 3-12=-222/280, 4-12=-196/351, 5-12=-289/188, 5-10=-289/188, 6-10=-196/351, 7-10=-222/280

**NOTES** (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=376, 8=376.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241539 |
|---|---|---|---|---|---|---|
| 327272 | T26 | HIP | 1 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:39:13 2010 Page 1

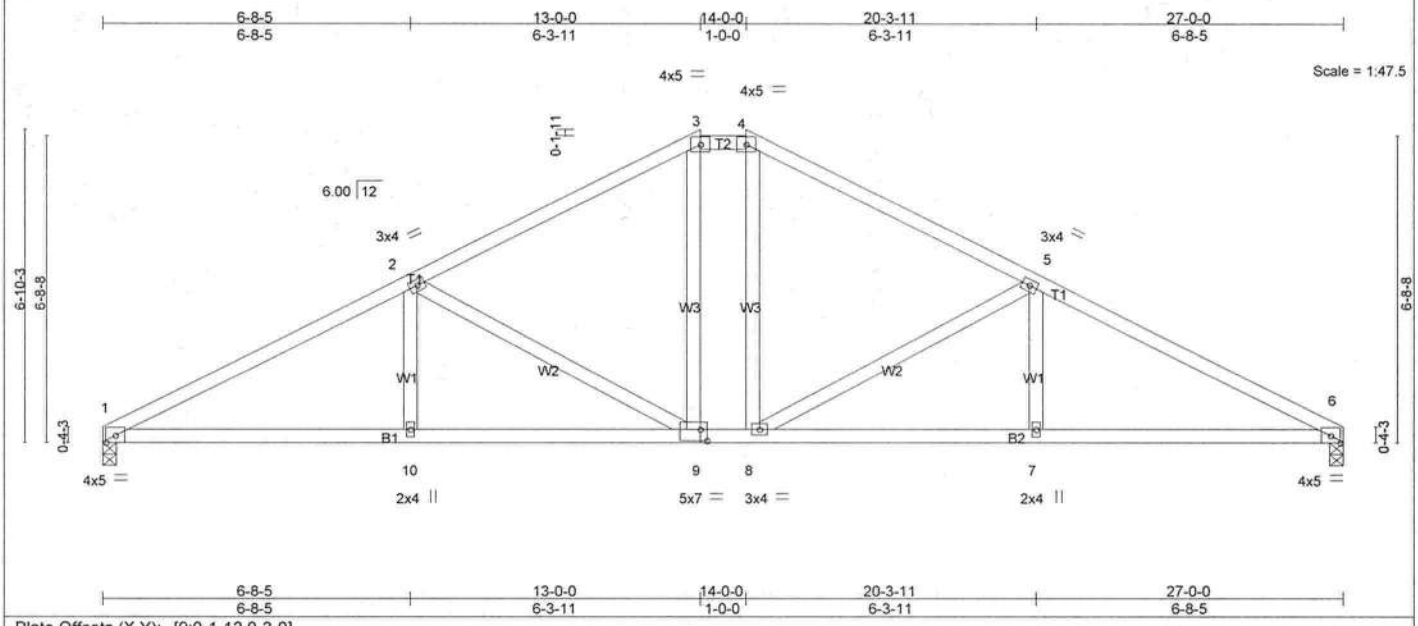



Plate Offsets (X,Y): [9:0-1-12,0-3-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.67 | Vert(LL) | -0.07 | 9-10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.43 | Vert(TL) | -0.15 | 9-10 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.48 | Horz(TL) | -0.09 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.28 | 6-7 | >999 | 240 | Weight: 133 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-8-6 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 3-8-10 oc bracing.

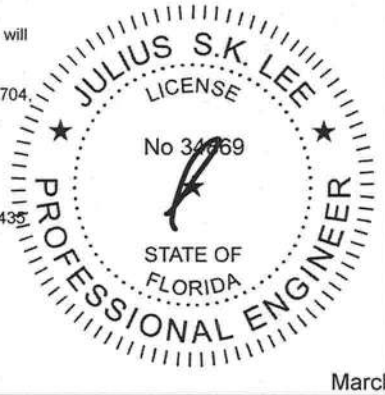
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=855/0-3-8, 6=855/0-3-8
Max Horz 1=-105(LC 4)
Max Uplift 1=-704(LC 6), 6=-704(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1548/2612, 2-3=-1082/1883, 3-4=-894/1765, 4-5=-1089/1899, 5-6=-1548/2610
BOT CHORD 1-10=-2220/1330, 9-10=-2220/1330, 8-9=-1350/894, 7-8=-2218/1329, 6-7=-2218/1329
WEBS 2-10=-414/219, 2-9=-527/987, 3-9=-657/268, 4-8=-653/269, 5-8=-523/973, 5-7=-408/216

**NOTES** (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=704, 6=704.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



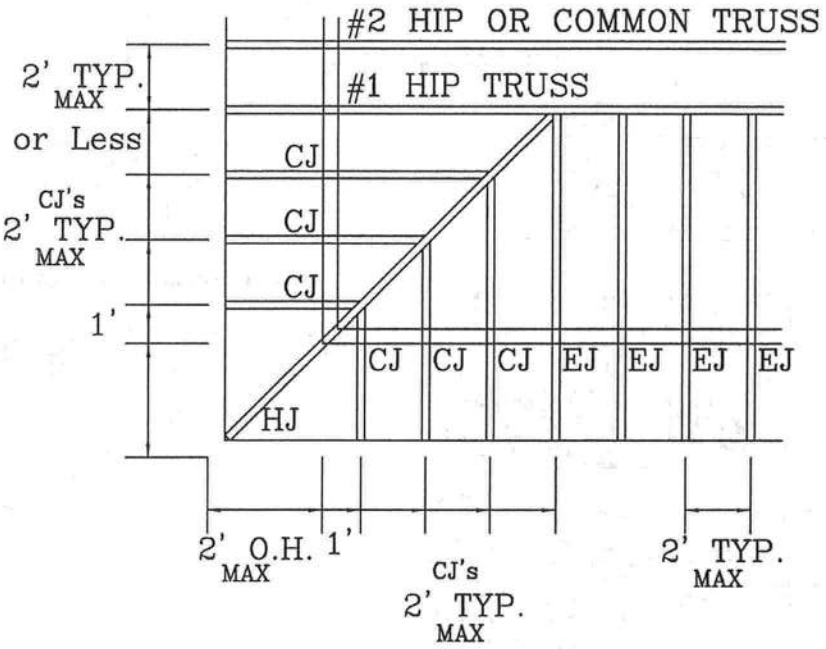
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

# STEPDOWN CORNER SET

TOP CHORD 2X4 SO. PINE #2 or Better
BOT CHORD 2X4 SO. PINE #2 or Better
WEBS 2X4 SO. PINE #3 or Better

**120 MPH MAX**

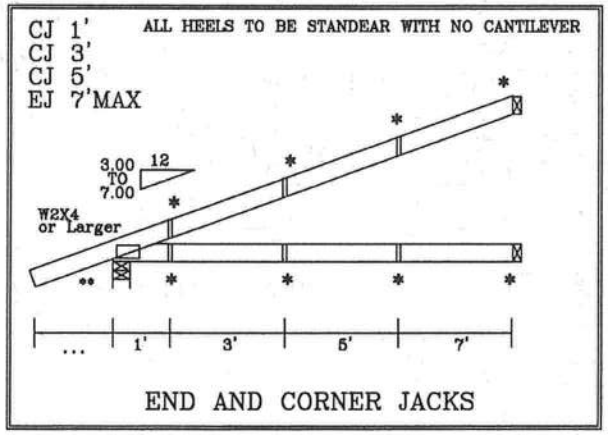
Setback 7' or Less



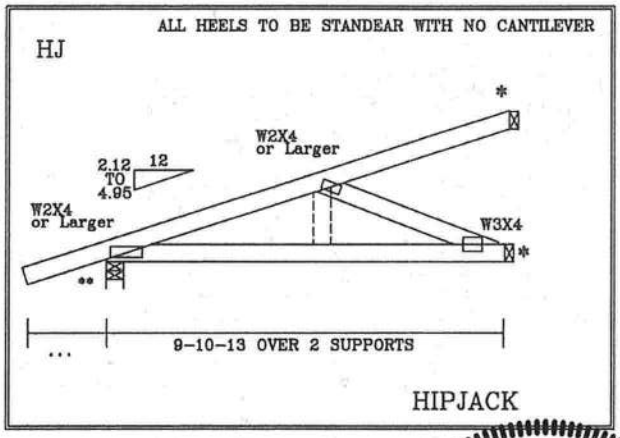

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND SPEED=120 "C" MPH. MEAN HGT=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED. TILE
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 15.0 PSF TOTAL DEAD LOAD. WIND SPEED=120 "C" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND SPEED=120 "B" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)




END AND CORNER JACKS




HIPJACK

* (3) 16d TOENAILS

** SEE EOR FOR TIE DOWN

UPLIFT VALUES DO TAKE INTO ACCOUNT PORCHES EXPOSED
BC LIVE LOAD IS NON CONCURRENT 10*

| | | | |
|---|---|---|---|
| SHINGLE | | | |
| TC | LL | 20 | MAX PSF |
| TC | DL | 7 | MAX PSF |
| BC | LL | 10* | MAX PSF |
| BC | DL | 5 | MAX PSF |
| TILE | | | |
| TC | LL | 20 | MAX PSF |
| TC | DL | 20 | MAX PSF |
| BC | LL | 10* | MAX PSF |
| BC | DL | 5 | MAX PSF |
| DUR. FAC. | | 1.25 | |
| SPACING | | 2' | MAX |

| | |
|---|---|
| REF | 7'MAX STBK CS |
| DATE | Jun./27/2008 |
| DRWG | |
| -ENG | |

REVIEWED
By julius lee at 10:52 am, Jun 27, 2008

| CORNER SET SETBACK |
|---|
| 7'0" MAX |

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTN A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (D SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

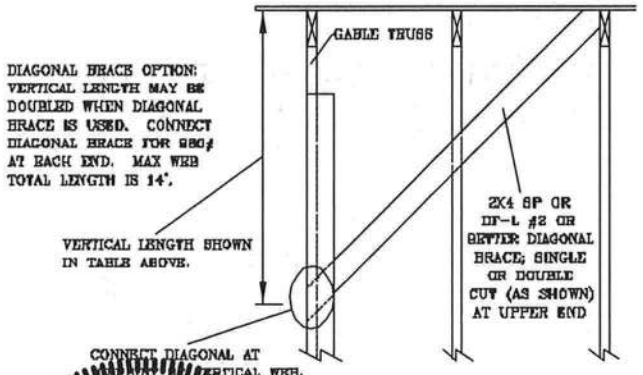

JULIUS LEE
CONS. ENGINEERS, P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2181
NO. 54869
STATE OF FLORIDA

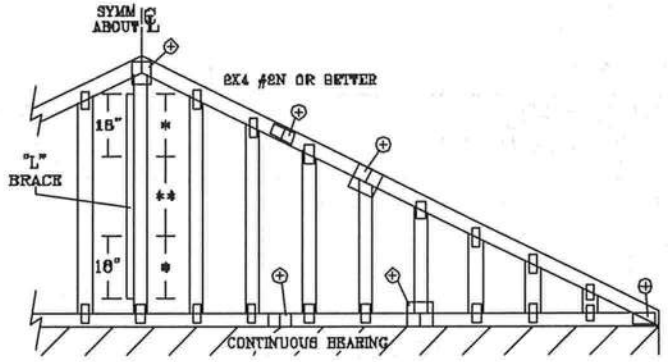

PROFESSIONAL ENGINEER

# ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

| 2X4 GABLE VERTICAL SPACING | SPECIES | BRACE GRADE | NO BRACES | (1) 1X4 "L" BRACE * | | (1) 2X4 "L" BRACE * | | (2) 2X4 "L" BRACE ** | | (1) 2X6 "L" BRACE * | | (2) 2X6 "L" BRACE ** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B |
| 24" O.C. | SPF HF | #1 / #2 | 3' 2" | 5' 6" | 5' 6" | 6' 6" | 6' 9" | 7' 10" | 8' 0" | 10' 3" | 10' 7" | 12' 3" | 12' 7" |
| | | #3 | 3' 1" | 4' 5" | 4' 5" | 5' 10" | 5' 10" | 7' 10" | 7' 10" | 9' 1" | 9' 1" | 12' 3" | 12' 3" |
| | | STUD | 3' 1" | 4' 5" | 4' 5" | 5' 10" | 5' 10" | 7' 10" | 7' 10" | 9' 1" | 9' 1" | 12' 3" | 12' 3" |
| | | STANDARD | 2' 11" | 3' 9" | 3' 9" | 5' 0" | 5' 0" | 6' 9" | 6' 9" | 7' 10" | 7' 10" | 10' 7" | 10' 7" |
| | SP DFL | #1 | 3' 6" | 5' 8" | 5' 11" | 6' 8" | 7' 0" | 7' 10" | 8' 5" | 10' 3" | 11' 1" | 12' 3" | 13' 2" |
| | | #2 | 3' 5" | 5' 6" | 5' 11" | 6' 6" | 7' 0" | 7' 10" | 8' 5" | 10' 3" | 11' 1" | 12' 3" | 13' 2" |
| | | #3 | 3' 3" | 4' 6" | 4' 6" | 6' 0" | 6' 0" | 7' 10" | 8' 1" | 9' 4" | 9' 4" | 12' 3" | 12' 6" |
| | | STUD | 3' 3" | 4' 6" | 4' 6" | 5' 11" | 5' 11" | 7' 10" | 8' 0" | 9' 3" | 9' 3" | 12' 3" | 12' 6" |
| | | STANDARD | 3' 0" | 3' 10" | 3' 10" | 5' 1" | 5' 1" | 6' 11" | 6' 11" | 8' 0" | 8' 0" | 10' 10" | 10' 10" |
| 16" O.C. | SPF HF | #1 / #2 | 3' 8" | 6' 4" | 6' 6" | 7' 6" | 7' 8" | 8' 11" | 9' 2" | 11' 9" | 12' 1" | 14' 0" | 14' 0" |
| | | #3 | 3' 7" | 5' 5" | 5' 5" | 7' 2" | 7' 2" | 8' 11" | 8' 11" | 11' 2" | 11' 2" | 14' 0" | 14' 0" |
| | | STUD | 3' 7" | 5' 5" | 5' 5" | 7' 2" | 7' 2" | 8' 11" | 8' 11" | 11' 1" | 11' 1" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 7" | 4' 6" | 4' 6" | 6' 2" | 6' 2" | 8' 3" | 8' 3" | 9' 7" | 9' 7" | 12' 11" | 12' 11" |
| | SP DFL | #1 | 4' 0" | 6' 4" | 6' 10" | 7' 6" | 8' 1" | 8' 11" | 9' 7" | 11' 9" | 12' 8" | 14' 0" | 14' 0" |
| | | #2 | 3' 11" | 6' 4" | 6' 10" | 7' 6" | 8' 1" | 8' 11" | 9' 7" | 11' 9" | 12' 8" | 14' 0" | 14' 0" |
| | | #3 | 3' 9" | 5' 7" | 5' 7" | 7' 4" | 7' 4" | 8' 11" | 9' 5" | 11' 5" | 11' 5" | 14' 0" | 14' 0" |
| | | STUD | 3' 8" | 5' 6" | 5' 6" | 7' 3" | 7' 3" | 8' 11" | 9' 5" | 11' 4" | 11' 4" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 8" | 4' 9" | 4' 9" | 6' 3" | 6' 3" | 8' 5" | 8' 5" | 9' 9" | 9' 9" | 13' 3" | 13' 3" |
| 12" O.C. | SPF HF | #1 / #2 | 4' 0" | 6' 11" | 7' 2" | 8' 5" | 8' 6" | 9' 10" | 10' 1" | 12' 11" | 13' 4" | 14' 0" | 14' 0" |
| | | #3 | 3' 11" | 6' 3" | 6' 3" | 6' 3" | 6' 3" | 9' 10" | 9' 10" | 12' 11" | 12' 11" | 14' 0" | 14' 0" |
| | | STUD | 3' 11" | 6' 3" | 6' 3" | 8' 3" | 8' 3" | 9' 10" | 9' 10" | 12' 10" | 12' 10" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 11" | 5' 4" | 5' 4" | 7' 1" | 7' 1" | 9' 6" | 9' 6" | 11' 1" | 11' 1" | 14' 0" | 14' 0" |
| | SP DFL | #1 | 4' 5" | 6' 11" | 7' 6" | 8' 3" | 8' 11" | 9' 10" | 10' 7" | 12' 11" | 13' 11" | 14' 0" | 14' 0" |
| | | #2 | 4' 4" | 6' 11" | 7' 6" | 8' 3" | 8' 11" | 9' 10" | 10' 7" | 12' 11" | 13' 11" | 14' 0" | 14' 0" |
| | | #3 | 4' 2" | 6' 5" | 6' 5" | 8' 3" | 8' 6" | 9' 10" | 10' 4" | 12' 11" | 13' 3" | 14' 0" | 14' 0" |
| | | STUD | 4' 2" | 6' 4" | 6' 4" | 8' 3" | 8' 5" | 9' 10" | 10' 4" | 12' 11" | 13' 1" | 14' 0" | 14' 0" |
| | | STANDARD | 4' 0" | 5' 6" | 5' 6" | 7' 3" | 7' 3" | 9' 9" | 9' 9" | 11' 4" | 11' 4" | 14' 0" | 14' 0" |




REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:

GROUP A:

| SPRUCE-PINE-FIR | |
|---|---|
| #1 / #2 | STANDARD |
| #3 | STUD |

| HEM-FIR | |
|---|---|
| #2 | STUD |
| #3 | STANDARD |

| DOUGLAS FIR-LARCH |
|---|
| #3 |
| STUD |
| STANDARD |

| SOUTHERN PINE |
|---|
| #3 |
| STUD |
| STANDARD |

GROUP B:

| HEM-FIR |
|---|
| #1 & BTR |
| #1 |

| SOUTHERN PINE |
|---|
| #1 |
| #2 |

| DOUGLAS FIR-LARCH |
|---|
| #1 |
| #2 |

## GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

| VERTICAL LENGTH | NO SPLICE |
|---|---|
| LESS THAN 4' 0" | 1X4 OR 2X3 |
| GREATER THAN 4' 0", BUT LESS THAN 11' 6" | 2X4 |
| GREATER THAN 11' 6" | 2.5X4 |

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR, SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING

REVIEWED
By julius lee at 12:00 pm, Jun 11, 2008


JULIUS LEE'S CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161


No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MTEK STD GABLE 30' E H7
-ENG

# PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

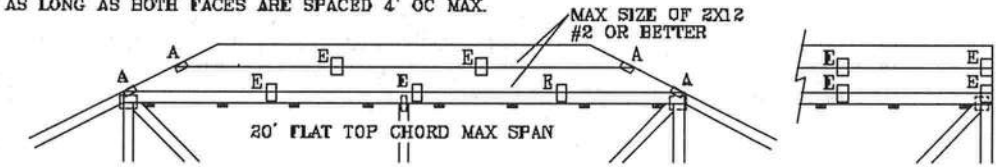
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

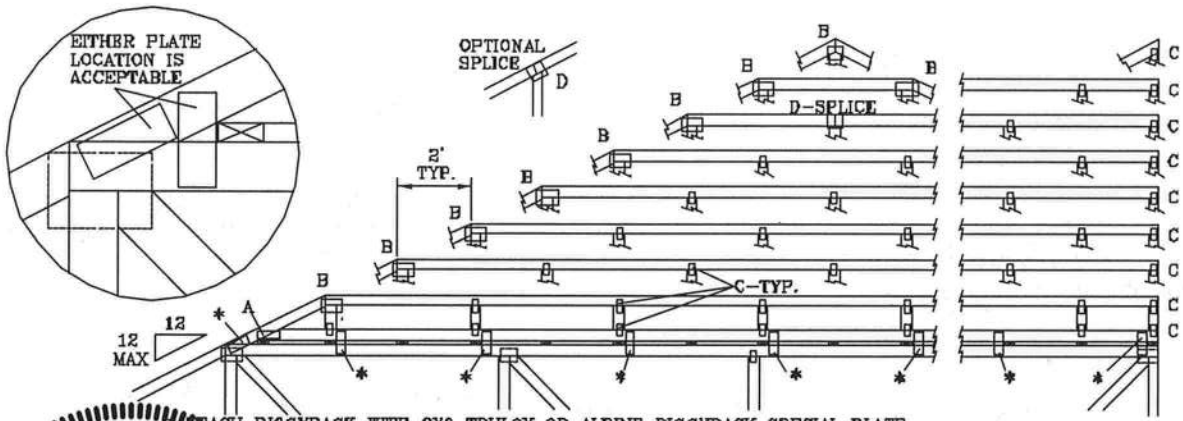
110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST
CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, FBC
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=5 PSF, WIND BC DL=5 PSF

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.




ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

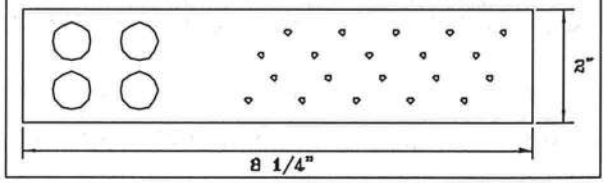
| JOINT TYPE | SPANS UP TO | | | |
|---|---|---|---|---|
| | 30' | 34' | 38' | 52' |
| A | 2X4 | 2.5X4 | 2.5X4 | 3X5 |
| B | 4X6 | 5X6 | 5X6 | 5X6 |
| C | 1.5X3 | 1.5X4 | 1.5X4 | 1.5X4 |
| D | 5X4 | 5X5 | 5X5 | 5X6 |
| E | 4X8 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY | | | |

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

| WEB BRACING CHART | |
|---|---|
| WEB LENGTH | REQUIRED BRACING |
| 0' TO 7'9" | NO BRACING |
| 7'9" TO 10' | 1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC. |
| 10' TO 14' | 2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC. |

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.




THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 647,045

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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REVIEWED
By julius lee at 11:59 am, Jun 11, 2008


JULIUS LEE'S
CONS. ENGINEERS P.A.
1450 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA


| MAX LOADING |
|---|
| 55 PSF AT 1.33 DUR. FAC. |
| 50 PSF AT 1.25 DUR. FAC. |
| 47 PSF AT 1.15 DUR. FAC. |
| SPACING 24.0" |

| | |
|---|---|
| REF | PIGGYBACK |
| DATE | 09/12/07 |
| DRWG | MITEK STD PIGGY |
| -ENG | JL |

# TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

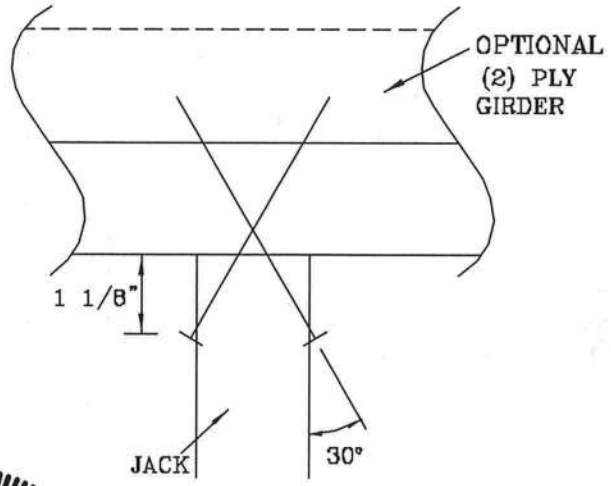
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

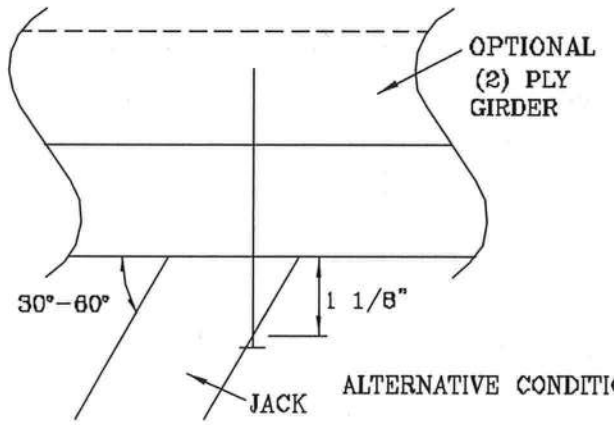
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"X3.5") COMMON TOE-NAILS

| NUMBER OF TOE-NAILS | SOUTHERN PINE | | DOUGLAS FIR-LARCH | | HEM-FIR | | SPRUCE PINE FIR | |
|---|---|---|---|---|---|---|---|---|
| | 1 PLY | 2 PLIES | 1 PLY | 2 PLIES | 1 PLY | 2 PLIES | 1 PLY | 2 PLIES |
| 2 | 197# | 256# | 181# | 234# | 156# | 203# | 154# | 199# |
| 3 | 296# | 383# | 271# | 351# | 234# | 304# | 230# | 298# |
| 4 | 394# | 511# | 361# | 468# | 312# | 406# | 307# | 397# |
| 5 | 493# | 639# | 452# | 585# | 390# | 507# | 384# | 496# |

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.




ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

"WARNING" TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008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CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA


| | | |
|---|---|---|
| TC LL | PSF | REF TOE-NAIL |
| TC DL | PSF | DATE 09/12/07 |
| BC DL | PSF | DRWG CNTONAIL1103 |
| BC LL | PSF | -ENG JL |
| TOT. LD. | PSF | |
| DUR. FAC. | 1.00 | |
| SPACING | | |

# TRULOX CONNECTION DETAIL

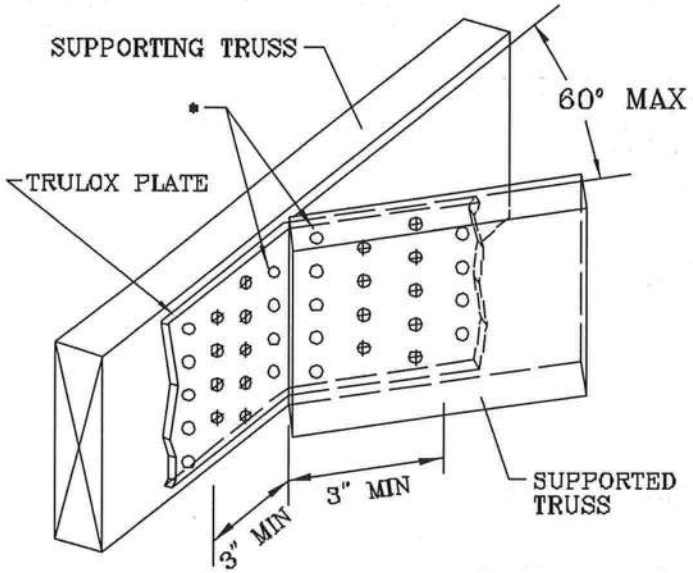
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

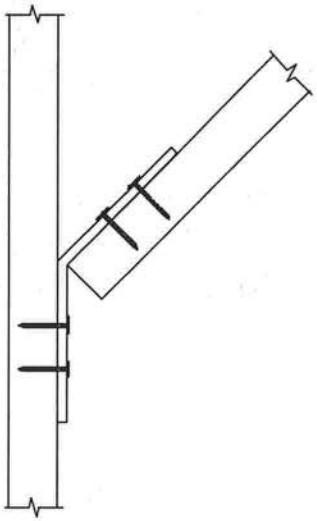
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

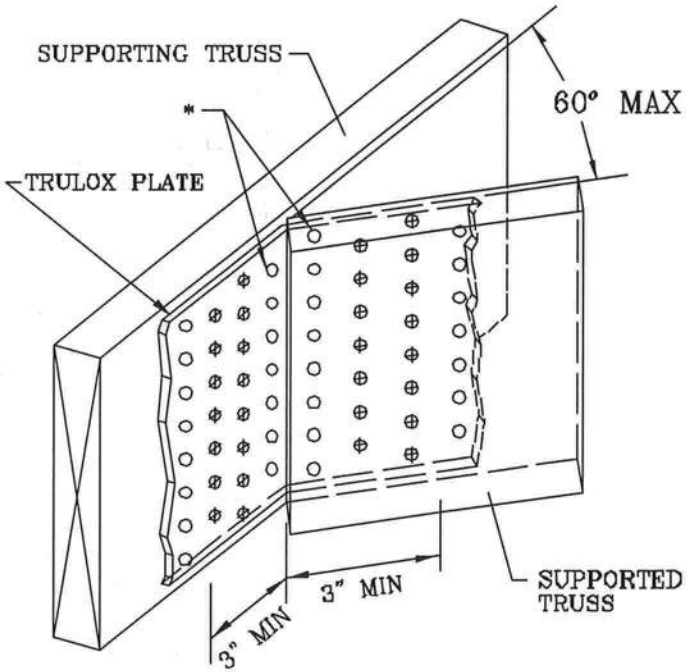
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.




MINIMUM 3X6 TRULOX PLATE






MINIMUM 5X6 TRULOX PLATE

| TRULOX PLATE SIZE | REQUIRED NAILS PER TRUSS | MAXIMUM LOAD UP OR DOWN |
|---|---|---|
| 3X6 | 9 | 350# |
| 5X6 | 15 | 990# |

REVIEWED
By julius lee at 11:58 am, Jun 11, 2008

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R 1,154,944 1,152,217 1,152,017 1,159,154 & 1,151,524

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JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA


| | |
|---|---|
| REF | TRULOX |
| DATE | 11/26/03 |
| DRWG | CNTRULOX1103 |
| -ENG | JL |

# MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

## Maximum Uniform Load Applied to Either Outside Member (PLF)

| Connector Type | Number of Rows | Connector On-Center Spacing | Connector Pattern | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Assembly A | Assembly B | Assembly C | Assembly D | Assembly E | Assembly F |
| | | | 3½" 2-ply | 5¼" 3-ply | 5¼" 2-ply | 7" 3-ply | 7" 2-ply | 7" 4-ply |
| 10d (0.128" x 3") Nail[1] | 2 | 12" | 370 | ***280*** | 280 | ***245*** | | |
| | 3 | 12" | 555 | ***415*** | 415 | ***370*** | | |
| ½" A307 Through Bolts[2][4] | 2 | 24" | 505 | 380 | 520 | 465 | 860 | 340 |
| | | 19.2" | 635 | 475 | 655 | 580 | 1,075 | 425 |
| | | 16" | 760 | 570 | 785 | 695 | 1,290 | 505 |
| SDS ¼" x 3½"[4] | 2 | 24" | 680 | ***510*** | 510 | ***455*** | | |
| | | 19.2" | 850 | ***640*** | 640 | ***565*** | | |
| | | 16" | 1,020 | ***765*** | 765 | ***680*** | | |
| SDS ¼" x 6"[3][4] | 2 | 24" | | | | ***455*** | ***465*** | ***455*** |
| | | 19.2" | | | | ***565*** | ***580*** | ***565*** |
| | | 16" | | | | ***680*** | ***695*** | ***680*** |
| USP WS35[4] | 2 | 24" | 480 | ***360*** | 360 | ***320*** | | |
| | | 19.2" | 600 | ***450*** | 450 | ***400*** | | |
| | | 16" | 715 | ***540*** | 540 | ***480*** | | |
| USP WS6[3][4] | 2 | 24" | | | | ***350*** | ***525*** | ***350*** |
| | | 19.2" | | | | ***440*** | ***660*** | ***440*** |
| | | 16" | | | | ***525*** | ***790*** | ***525*** |
| 3⅜" TrussLok[4] | 2 | 24" | 635 | ***475*** | 475 | ***425*** | | |
| | | 19.2" | 795 | ***595*** | 595 | ***530*** | | |
| | | 16" | 955 | ***715*** | 715 | ***635*** | | |
| 5" TrussLok[4] | 2 | 24" | | ***500*** | 500 | ***445*** | ***480*** | ***445*** |
| | | 19.2" | | ***625*** | 625 | ***555*** | ***600*** | ***555*** |
| | | 16" | | ***750*** | 750 | ***665*** | ***725*** | ***665*** |
| 6¾" TrussLok[4] | 2 | 24" | | | | 445 | 620 | 445 |
| | | 19.2" | | | | 555 | 770 | 555 |
| | | 16" | | | | 665 | 925 | 665 |

(1) Nailed connection values may be doubled for 6" on-center or tripled for 4" on-center nail spacing.

(2) Washers required. Bolt holes to be 9⁄16" maximum.

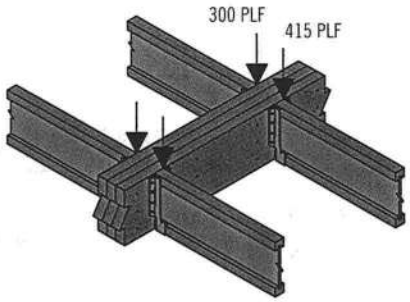
(3) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

(4) 24" on-center bolted and screwed connection values may be doubled for 12" on-center spacing.

## General Notes

- Connections are based on NDS® 2005 or manufacturer's code report.
- Use specific gravity of 0.5 when designing lateral connections.
- Values listed are for 100% stress level. Increase 15% for snow-loaded roof conditions or 25% for non-snow roof conditions, where code allows.
- ***Bold Italic*** cells indicate **Connector Pattern** must be installed on both sides. Stagger fasteners on opposite side of beam by ½ the required **Connector Spacing**.
- Verify adequacy of beam in allowable load tables on pages 16–33.
- 7" wide beams should be side-loaded only when loads are applied to both sides of the members (to minimize rotation).
- Minimum end distance for bolts and screws is 6".
- Beams wider than 7" require special consideration by the design professional.

### Uniform Load Design Example

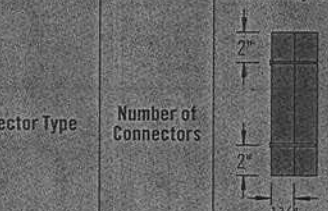
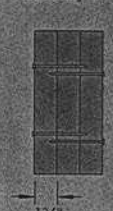
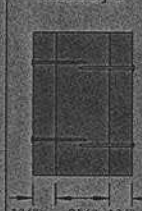
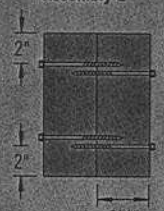
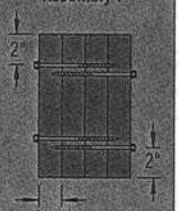



First, check the allowable load tables on pages 16–33 to verify that three pieces can carry the total load of 715 plf with proper live load deflection criteria. Maximum load applied to either outside member is 415 plf. For a 3-ply 1¾" assembly, two rows of 10d (0.128" x 3") nails at 12" on-center is good for only 280 plf. Therefore, use three rows of 10d (0.128" x 3") nails at 12" on-center (good for 415 plf).

**Alternates:**
Two rows of ½" bolts or SDS ¼" x 3½" screws at 19.2" on-center.

# MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

## Point Load—Maximum Point Load Applied to Either Outside Member (lbs)

| Connector Type | Number of Connectors | Connector Pattern: Assembly A | Assembly B | Assembly C | Assembly D | Assembly E | Assembly F |
|---|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |
| | | 3½" 2-ply | 5¼" 3-ply | 5¼" 2-ply | 7" 3-ply | 7" 2-ply | 7" 4-ply |
| 10d (0.128" x 3") Nail | 6 | 1,110 | *835* | 835 | *740* | | |
| | 12 | 2,225 | *1,670* | 1,670 | *1,485* | | |
| | 18 | 3,335 | *2,505* | 2,505 | *2,225* | | |
| | 24 | 4,450 | *3,335* | 3,335 | *2,965* | | |
| SDS Screws ¼" x 3½" or WS35 ¼" x 6" or WS6(1) | 4 | 1,915 | 1,435(4) | 1,435 | *1,275* | *1,860(2)* | *1,405(2)* |
| | 6 | 2,870 | 2,150 (4) | 2,150 | *1,915* | *2,785(2)* | *2,110(2)* |
| | 8 | 3,825 | 2,870 (4) | 2,870 | *2,550* | *3,715(2)* | *2,810(2)* |
| 3⅜" or 5" TrussLok™ | 4 | 2,545 | 1,910 (4) | 1,910 | *1,695* | *1,925(3)* | *1,775(3)* |
| | 6 | 3,815 | 2,860 (4) | 2,860 | *2,545* | *2,890(3)* | *2,665(3)* |
| | 8 | 5,090 | 3,815 (4) | 3,815 | *3,390* | *3,855(3)* | *3,550(3)* |

(1) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

*See General Notes on page 38*

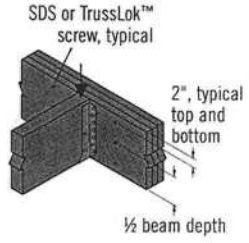
(2) 6" long screws required.

(3) 5" long screws required.

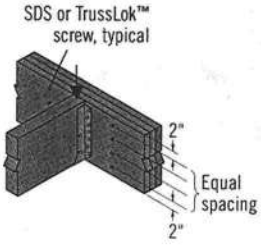
(4) 3½" and 3⅜" long screws must be installed on both sides.

## Connections

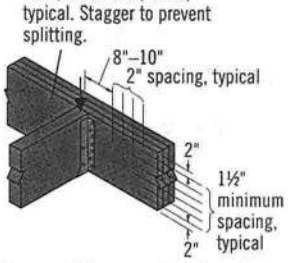
### 4 or 6 or Screw Connection




### 8 Screw Connection

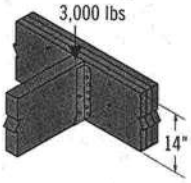



### Nail Connection




***There must be an equal number of nails on each side of the connection***

### Point Load Design Example




First, verify that a 3-ply 1¾" x 14" beam is capable of supporting the 3,000 lb point load as well as all other loads applied. The 3,000 lb point load is being transferred to the beam with a face mount hanger. For a 3-ply 1¾" assembly, eight 3⅜" TrussLok™ screws are good for 3,815 lbs with a face mount hanger.

# MULTIPLE-MEMBER CONNECTIONS FOR TOP-LOADED BEAMS

## 1¾" Wide Pieces

- Minimum of three rows of 10d (0.128" x 3") nails at 12" on-center.
- Minimum of four rows of 10d (0.128" x 3") nails at 12" on-center for 14" or deeper.
- If using 12d–16d (0.148"–0.162" diameter) nails, the number of nailing rows may be reduced by one.
- Minimum of two rows of SDS, WS, or TrussLok™ screws at 16" on-center. Use 3⅜" minimum length with two or three plies; 5" minimum for 4-ply members. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. For 3- or 4-ply members, connectors must be installed on both sides. Stagger fasteners on opposite side of beam by ½ of the required connector spacing.
- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

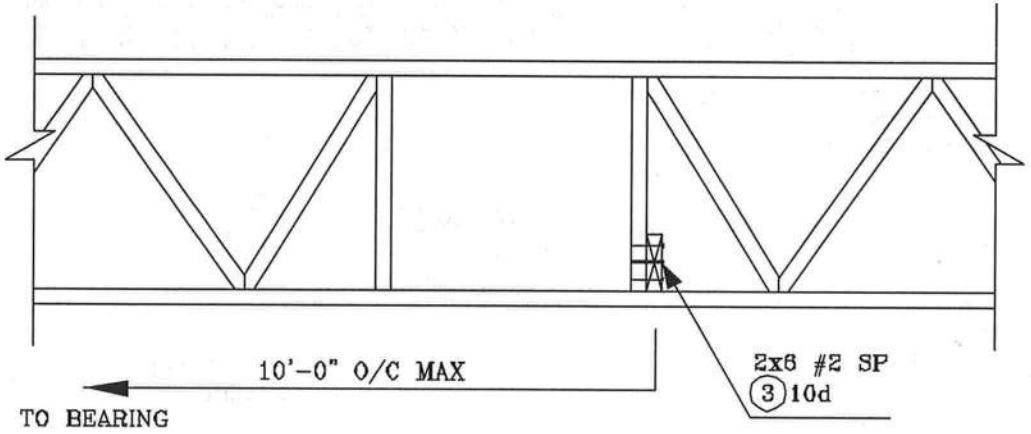
## 3½" Wide Pieces

- Minimum of two rows of SDS, WS, or TrussLok™ screws, 5" minimum length, at 16" on-center. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. Connectors must be installed on both sides. Stagger fasteners on opposite side of beam by ½ of the required connector spacing.
- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.
- Minimum of two rows of ½" bolts at 24" on-center staggered.

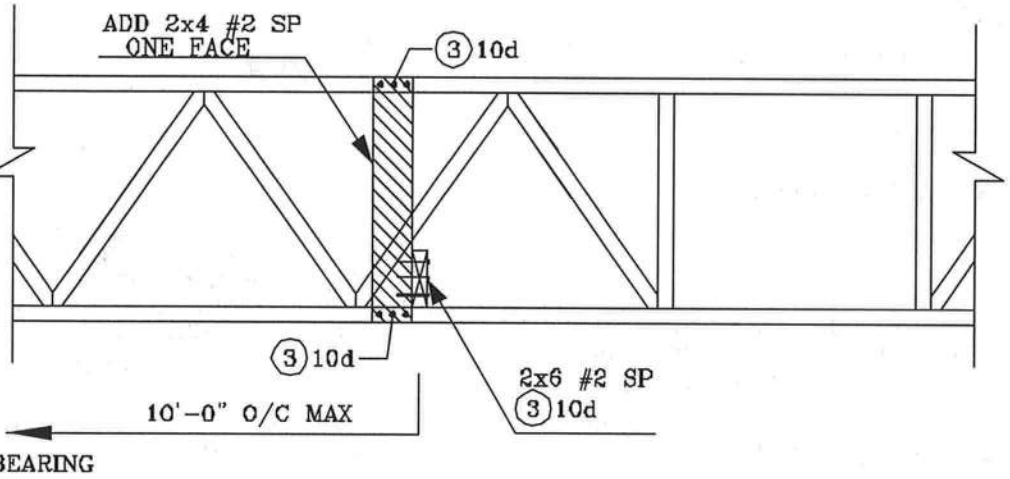
***Multiple pieces can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7"***

L6

# STRONG BACK DETAIL
# SYSTEM-42 OR FLAT TRUSS




# ALTERNATE DETAIL FOR
# STRONG BACK WITH VERTICAL
# NOT LINING UP




REVIEWED
By julius lee at 11:58 am, Jun 11, 2008

JULIUS LEE
LICENSE
NO. 34869
STATE OF
FLORIDA
PROFESSIONAL ENGINEER


JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

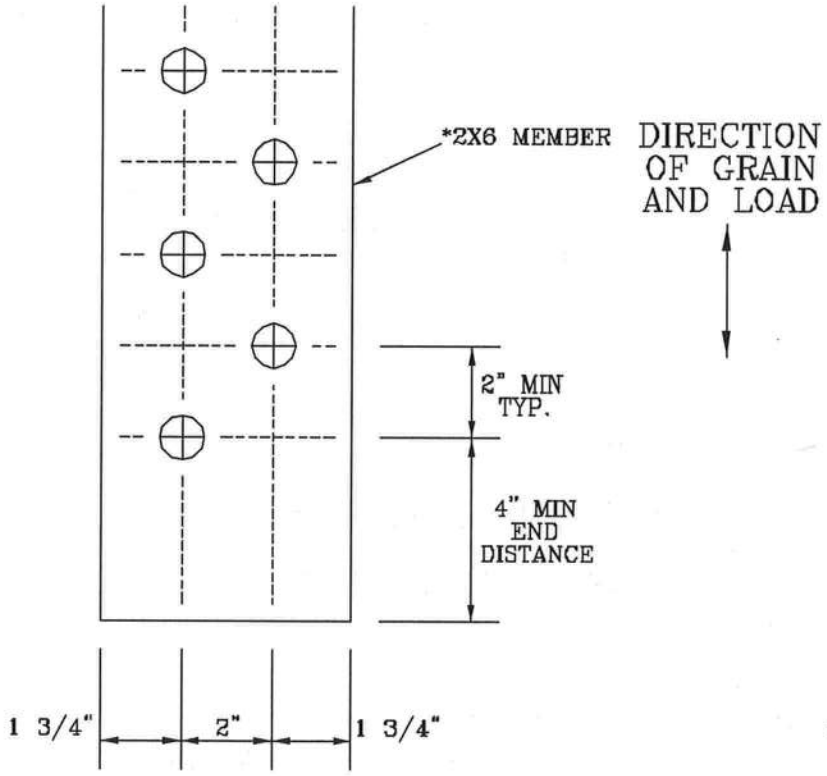
# 1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

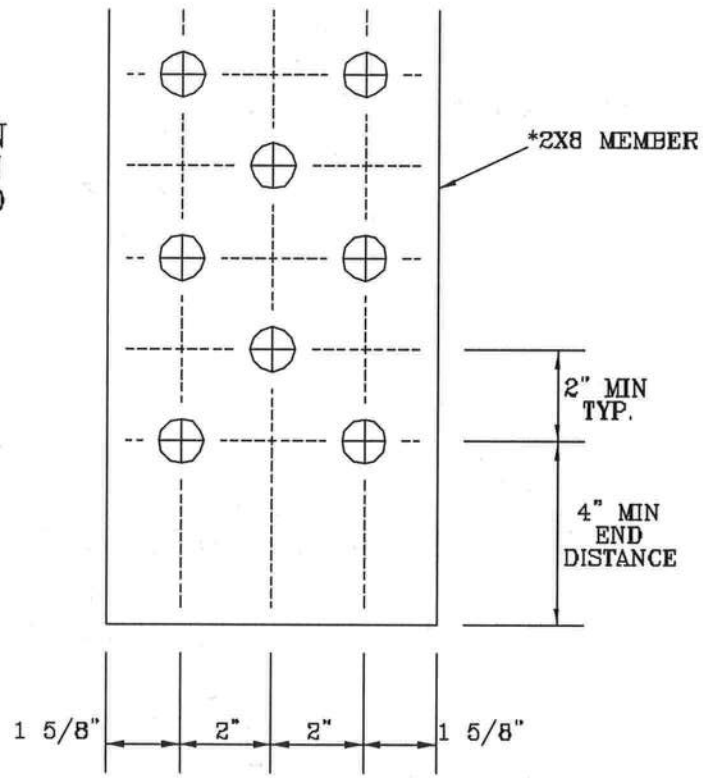
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT




2X6 DETAIL




2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

«WARNING» TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008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1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA


| | | | |
|---|---|---|---|
| TC LL | PSF | REF | BOLT SPACING |
| TC DL | PSF | DATE | 11/26/03 |
| BC DL | PSF | DRWG | CNBOLTSP1103 |
| BC LL | PSF | -ENG | JL |
| TOT. LD. | PSF | | |
| DUR. FAC. | | | |
| SPACING | | | |

# VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

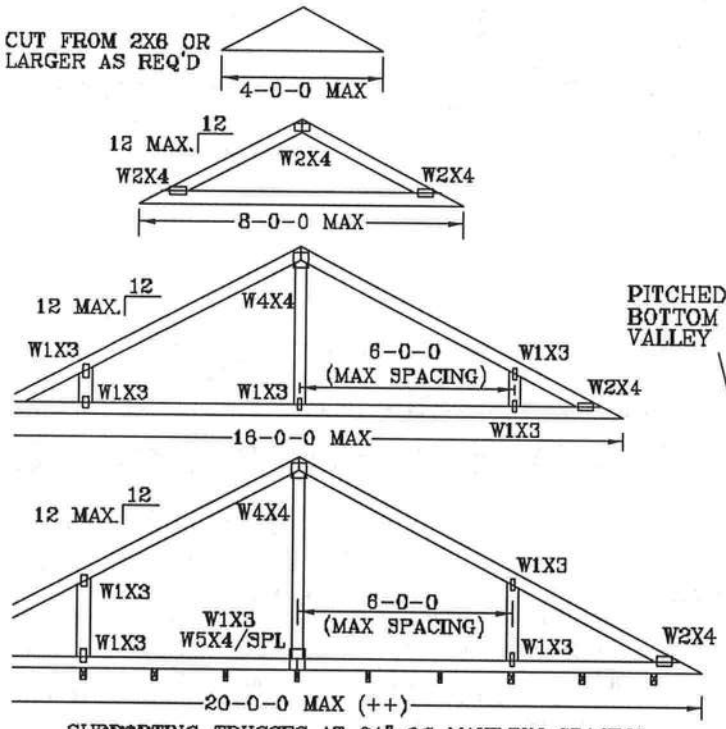
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

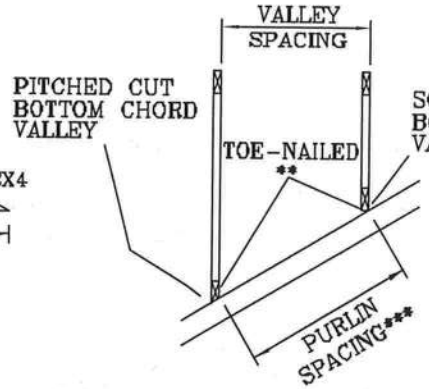
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

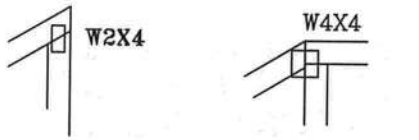
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

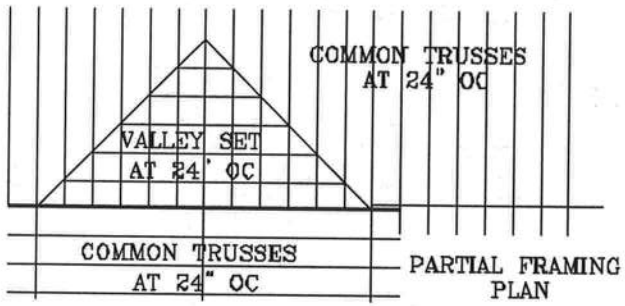
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.




SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.




THIS DRAWING REPLACES DRAWING A105

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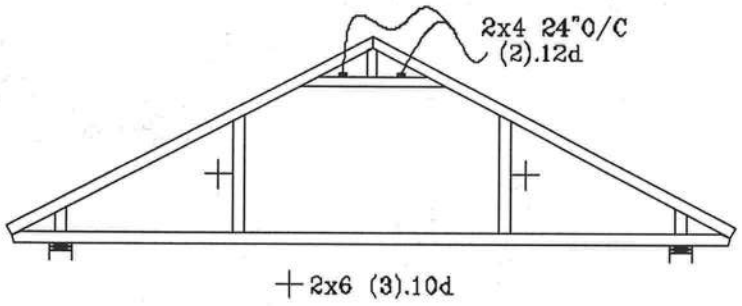
WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

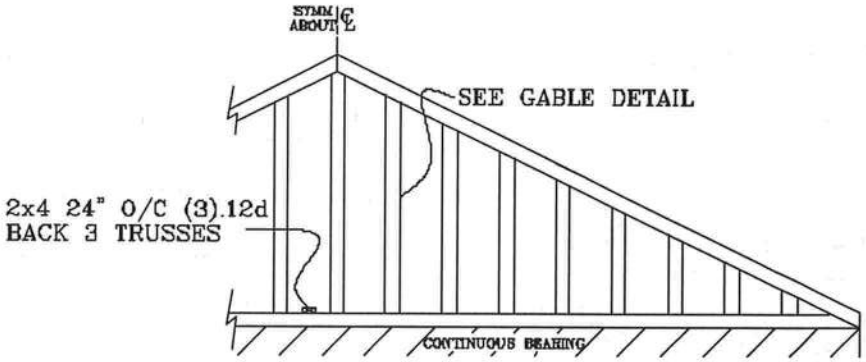

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA


| | | | | |
|---|---|---|---|---|
| TC LL | 20 | 20 | PSF | REF VALLEY DETAIL |
| TC DL | 7 | 15 | PSF | DATE 11/26/03 |
| BC DL | 5 | 5 | PSF | DRWG VALTRUSS1103 |
| BC LL | 0 | 0 | PSF | -ENG JL |
| TOT. LD. | 32 | 40 | PSF | |
| DUR.FAC. | 1.25 | 1.25 | | |
| SPACING | | 24" | | |

# TYPICAL ATTIC TRUSS BRACING

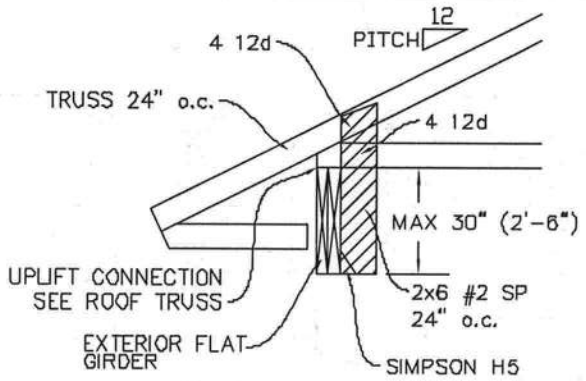



# GABLE END TRUSS DETAIL




MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

# TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS




REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

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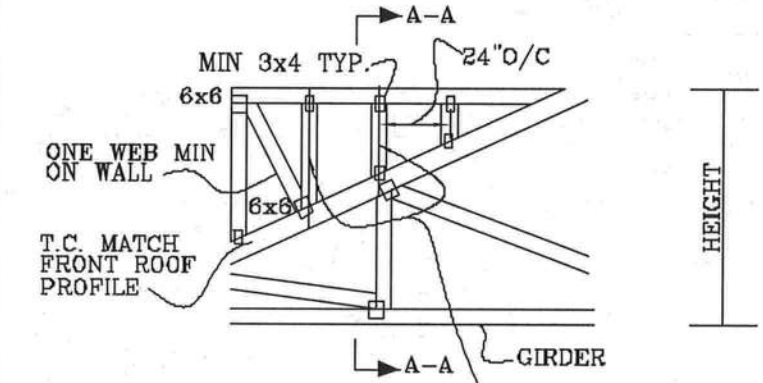
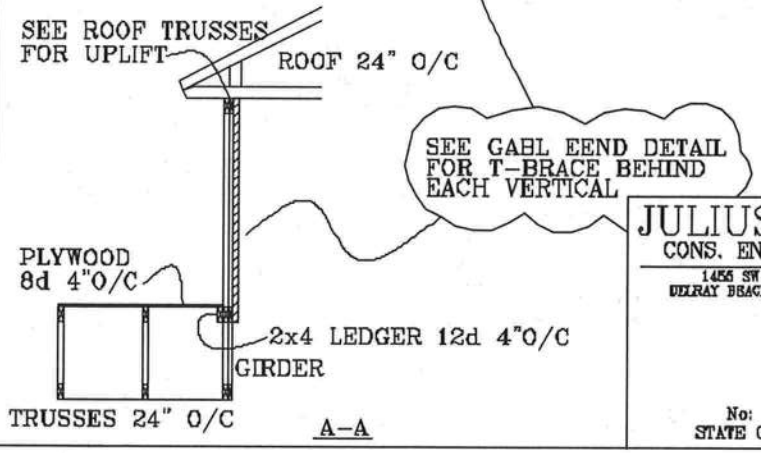
PROFESSIONAL ENGINEER

# TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL




JULIUS LEE'S
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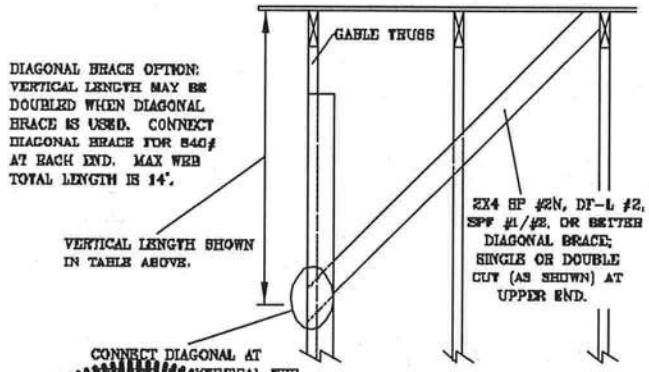
DELRAY BEACH, FL 33444-2161

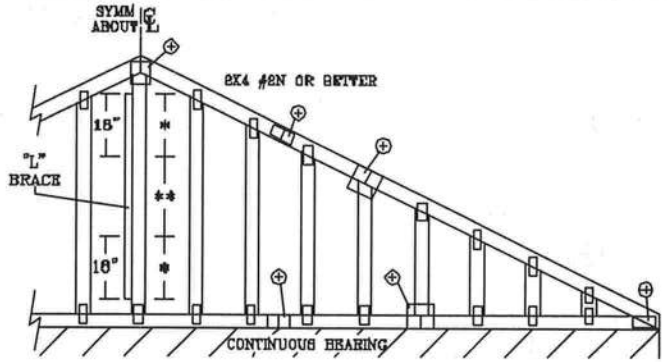
No: 34869
STATE OF FLORIDA

# ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

## MAX GABLE VERTICAL LENGTH

| 2X4 GABLE VERTICAL SPACING | SPECIES | BRACE GRADE | NO BRACES | (1) 1X4 "L" BRACE * | | (1) 2X4 "L" BRACE * | | (2) 2X4 "L" BRACE ** | | (1) 2X6 "L" BRACE * | | (2) 2X6 "L" BRACE ** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B |
| 24" O.C. | SPF HF | #1 / #2 | 3' 4" | 6' 10" | 6' 0" | 6' 11" | 7' 1" | 8' 3" | 8' 6" | 10' 10" | 11' 2" | 12' 11" | 13' 3" |
| | | #3 | 3' 3" | 4' 11" | 4' 11" | 6' 6" | 6' 6" | 8' 3" | 8' 3" | 10' 1" | 10' 1" | 12' 11" | 12' 11" |
| | | STUD | 3' 3" | 4' 11" | 4' 11" | 6' 5" | 6' 5" | 8' 3" | 8' 3" | 10' 0" | 10' 0" | 12' 11" | 12' 11" |
| | | STANDARD | 3' 3" | 4' 2" | 4' 2" | 5' 6" | 5' 6" | 7' 5" | 7' 5" | 8' 8" | 8' 8" | 11' 8" | 11' 8" |
| | SP DFL | #1 | 3' 8" | 5' 10" | 6' 3" | 6' 11" | 7' 5" | 8' 3" | 8' 11" | 10' 10" | 11' 8" | 12' 11" | 13' 11" |
| | | #2 | 3' 7" | 5' 10" | 6' 3" | 6' 11" | 7' 5" | 8' 3" | 8' 11" | 10' 10" | 11' 8" | 12' 11" | 13' 11" |
| | | #3 | 3' 6" | 5' 0" | 5' 0" | 6' 8" | 6' 8" | 8' 3" | 8' 5" | 10' 4" | 10' 4" | 12' 11" | 13' 7" |
| | | STUD | 3' 6" | 5' 0" | 5' 0" | 6' 7" | 6' 7" | 8' 3" | 8' 5" | 10' 3" | 10' 3" | 12' 11" | 13' 7" |
| | | STANDARD | 3' 4" | 4' 3" | 4' 3" | 5' 8" | 5' 8" | 7' 8" | 7' 8" | 8' 10" | 8' 10" | 12' 0" | 12' 0" |
| 16" O.C. | SPF HF | #1 / #2 | 3' 10" | 6' 8" | 6' 10" | 7' 11" | 8' 1" | 9' 5" | 9' 8" | 12' 6" | 12' 9" | 14' 0" | 14' 0" |
| | | #3 | 3' 9" | 6' 0" | 6' 0" | 7' 11" | 7' 11" | 9' 5" | 9' 5" | 12' 4" | 12' 4" | 14' 0" | 14' 0" |
| | | STUD | 3' 9" | 6' 0" | 6' 0" | 7' 11" | 7' 11" | 9' 5" | 9' 5" | 12' 4" | 12' 4" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 9" | 5' 2" | 5' 2" | 6' 10" | 6' 10" | 9' 2" | 9' 2" | 10' 7" | 10' 7" | 14' 0" | 14' 0" |
| | SP DFL | #1 | 4' 3" | 8' 8" | 7' 2" | 7' 11" | 8' 6" | 9' 5" | 10' 2" | 12' 5" | 13' 5" | 14' 0" | 14' 0" |
| | | #2 | 4' 2" | 8' 8" | 7' 2" | 7' 11" | 8' 6" | 9' 5" | 10' 2" | 12' 5" | 13' 5" | 14' 0" | 14' 0" |
| | | #3 | 4' 0" | 6' 2" | 6' 2" | 7' 11" | 8' 2" | 9' 6" | 9' 11" | 12' 6" | 12' 8" | 14' 0" | 14' 0" |
| | | STUD | 4' 0" | 8' 1" | 6' 1" | 7' 11" | 8' 1" | 9' 5" | 9' 11" | 12' 5" | 12' 8" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 10" | 5' 3" | 5' 3" | 6' 11" | 6' 11" | 9' 4" | 9' 4" | 10' 10" | 10' 10" | 14' 0" | 14' 0" |
| 12" O.C. | SPF HF | #1 / #2 | 4' 3" | 7' 4" | 7' 7" | 8' 9" | 8' 11" | 10' 6" | 10' 8" | 13' 8" | 14' 0" | 14' 0" | 14' 0" |
| | | #3 | 4' 2" | 6' 11" | 6' 11" | 8' 9" | 8' 9" | 10' 5" | 10' 5" | 13' 8" | 13' 8" | 14' 0" | 14' 0" |
| | | STUD | 4' 2" | 6' 11" | 6' 11" | 8' 9" | 8' 9" | 10' 5" | 10' 5" | 13' 8" | 13' 8" | 14' 0" | 14' 0" |
| | | STANDARD | 4' 2" | 6' 11" | 6' 11" | 7' 10" | 7' 10" | 10' 6" | 10' 6" | 12' 3" | 12' 3" | 14' 0" | 14' 0" |
| | SP DFL | #1 | 4' 8" | 7' 4" | 7' 11" | 8' 9" | 9' 5" | 10' 5" | 11' 2" | 13' 8" | 14' 0" | 14' 0" | 14' 0" |
| | | #2 | 4' 7" | 7' 4" | 7' 11" | 8' 9" | 9' 5" | 10' 6" | 11' 2" | 13' 8" | 14' 0" | 14' 0" | 14' 0" |
| | | #3 | 4' 4" | 7' 2" | 7' 2" | 8' 9" | 9' 2" | 10' 5" | 10' 11" | 13' 6" | 14' 0" | 14' 0" | 14' 0" |
| | | STUD | 4' 4" | 7' 1" | 7' 1" | 8' 9" | 9' 2" | 10' 6" | 10' 11" | 13' 8" | 14' 0" | 14' 0" | 14' 0" |
| | | STANDARD | 4' 3" | 6' 1" | 6' 1" | 8' 0" | 8' 0" | 10' 5" | 10' 8" | 12' 6" | 12' 6" | 14' 0" | 14' 0" |




REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

### BRACING GROUP SPECIES AND GRADES:

**GROUP A:**

| SPRUCE-PINE-FIR | |
|---|---|
| #1 / #2 | STANDARD |
| #3 | STUD |

| HEM-FIR | |
|---|---|
| #2 | STUD |
| #3 | STANDARD |

| DOUGLAS FIR-LARCH |
|---|
| #3 |
| STUD |
| STANDARD |

| SOUTHERN PINE |
|---|
| #3 |
| STUD |
| STANDARD |

**GROUP B:**

| HEM-FIR |
|---|
| #1 & BTR |
| #1 |

| SOUTHERN PINE |
|---|
| #1 |
| #2 |

| DOUGLAS FIR-LARCH |
|---|
| #1 |
| #2 |

### GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (6 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

| GABLE VERTICAL PLATE SIZES | |
|---|---|
| VERTICAL LENGTH | NO SPLICE |
| LESS THAN 4' 0" | 1X4 OR 2X3 |
| GREATER THAN 4' 0", BUT LESS THAN 11' 8" | 2X4 |
| GREATER THAN 11' 8" | 2.5X4 |

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

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REVIEWED
By julius lee at 12:00 pm, Jun 11, 2008


JULIUS LEE'S CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

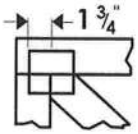

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

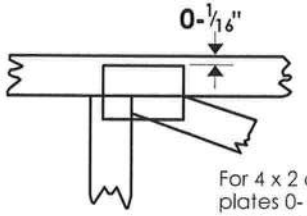
| | |
|---|---|
| REF | ASCE7-02-GAB13015 |
| DATE | 11/26/03 |
| DRWG | MITEK STD GABLE 15 E HT |
| | -ENG |

# 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.

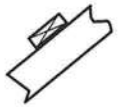
*** Plate location details available in MiTek 20/20 software or upon request.**

### PLATE SIZE

4 x 4

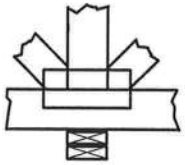
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

### 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

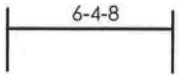


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

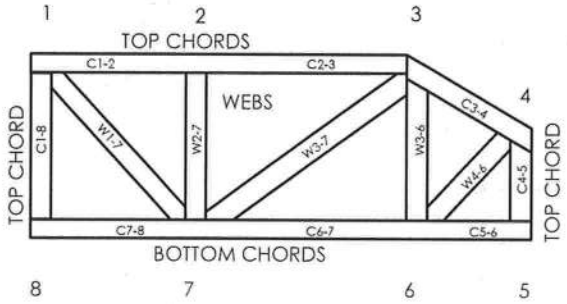
**Industry Standards:**

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



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# 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.

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241538 |
|---|---|---|---|---|---|---|
| 327272 | T25 | HIP | 1 | 1 | Job Reference (optional) | |

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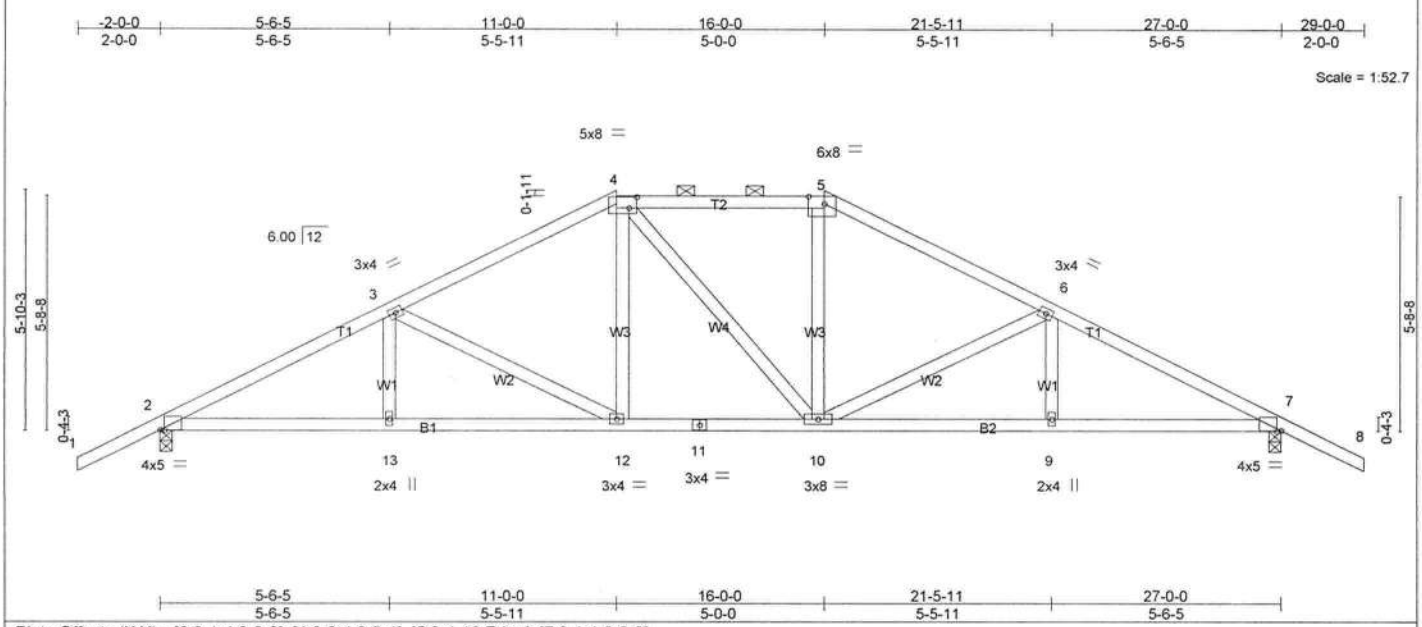



Plate Offsets (X,Y): [2:0-1-4,0-0-2], [4:0-2-4,0-3-4], [5:0-4-10,Edge], [7:0-1-4,0-0-2]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.52 | Vert(LL) | -0.07 | 12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.26 | Vert(TL) | -0.13 | 12-13 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.32 | Horz(TL) | -0.09 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.24 | 12-13 | >999 | 240 | Weight: 142 lb | |

**LUMBER**

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

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 4-3-7 oc bracing.

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

**REACTIONS** (lb/size) 2=971/0-3-8, 7=971/0-3-8
Max Horz 2=-126(LC 7)
Max Uplift 2=-814(LC 6), 7=-814(LC 7)

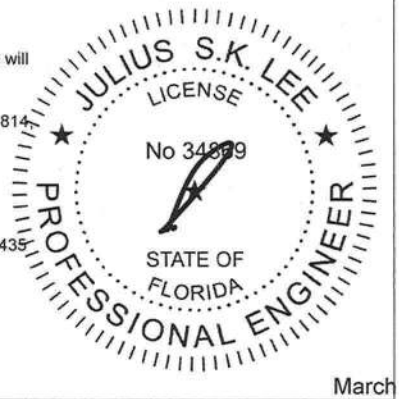
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1552/2569, 3-4=-1178/2011, 4-5=-1002/1894, 5-6=-1178/2012, 6-7=-1552/2569
BOT CHORD 2-13=-2081/1319, 12-13=-2081/1319, 11-12=-1444/1001, 10-11=-1444/1001, 9-10=-2080/1318, 7-9=-2080/1318
WEBS 3-13=-315/178, 3-12=-367/730, 4-12=-610/269, 5-10=-611/269, 6-10=-367/728, 6-9=-314/177

**NOTES** (10-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=814, 7=814.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



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Boynton, FL 33435

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

**LOAD CASE(S)** Standard

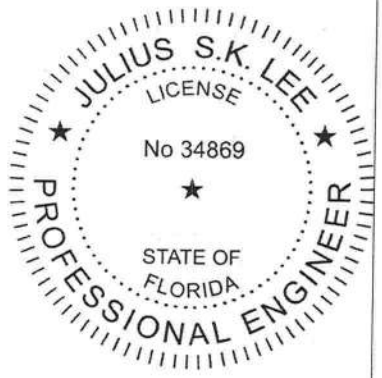
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-54, 6-8=-54, 2-7=-10

Concentrated Loads (lb)

Vert: 3=-222(B) 6=-222(B) 11=-194(B) 4=-103(B) 5=-103(B) 9=-194(B) 12=-103(B) 13=-103(B) 14=-103(B) 15=-103(B) 16=-32(B) 17=-32(B) 18=-32(B) 19=-32(B) 20=-32(B) 21=-32(B)




March 4,2010



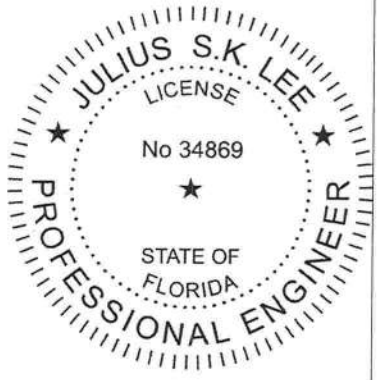
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

**NOTES** (15-16)

10) All bearings are assumed to be SYP No.2 .
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=1908, 10=1883.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 741 lb down and 217 lb up at 1-7-12, 741 lb down and 217 lb up at 3-7-12, 741 lb down and 217 lb up at 5-7-12, 741 lb down and 217 lb up at 7-7-12, 741 lb down and 217 lb up at 8-6-4, 628 lb down and 212 lb up at 14-6-4, 628 lb down and 212 lb up at 16-6-4, 628 lb down and 212 lb up at 18-6-4, 636 lb down and 206 lb up at 20-6-4, 636 lb down and 206 lb up at 22-6-4, 636 lb down and 206 lb up at 24-6-4, 636 lb down and 206 lb up at 26-6-4, 735 lb down and 209 lb up at 28-6-4, and 619 lb down and 204 lb up at 10-6-4, and 619 lb down and 204 lb up at 12-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-54, 5-7=-54, 7-9=-54, 17-21=-10, 12-16=-10, 10-11=-10
   Concentrated Loads (lb)
   Vert: 19=-741(B) 14=-628(B) 13=-636(B) 29=-741(B) 30=-741(B) 31=-741(B) 32=-741(B) 33=-619(F) 34=-619(F) 35=-628(B) 36=-628(B) 37=-636(B) 38=-636(B) 39=-636(B) 40=-735(B)




March 4,2010



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Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. |
|---|---|---|---|---|---|
| 327272 | T21 | SPECIAL | 2 | 1 | I4241534 |
| | | | | | Job Reference (optional) |

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**LOAD CASE(S)** Standard

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

March 4,2010

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

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T20 | SPECIAL | 1 | 1 | Job Reference (optional) | I4241533 |

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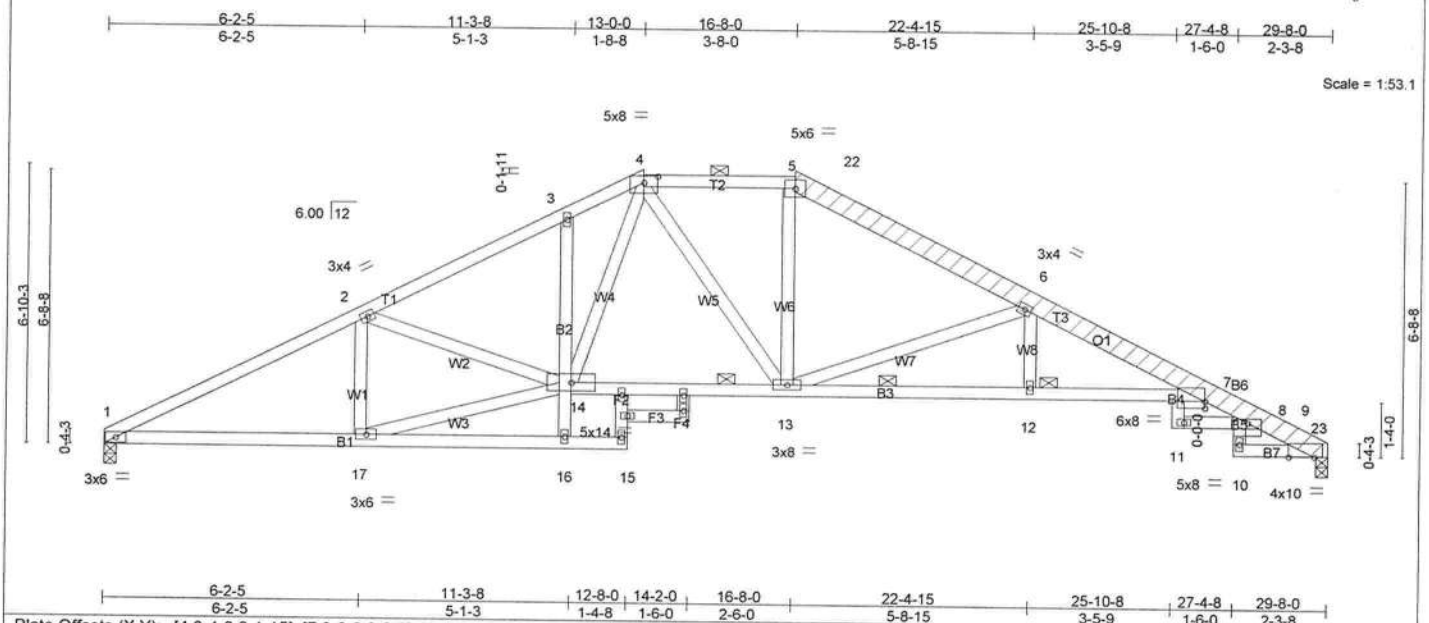


Plate Offsets (X,Y): [4:0-4-0,0-1-15], [7:0-0-0,0-2-0], [8:0-4-0,0-1-4], [9:0-7-8,Edge]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.68 | Vert(LL) | -0.26 | 11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.52 | Vert(TL) | -0.51 | 11 | >684 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.75 | Horz(TL) | 0.35 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.41 | 11 | >857 | 240 | Weight: 211 lb | |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2 *Except* T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B2,B4,B6: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D
LBR SCAB 5-9 2 X 6 SYP No.1D one side

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-2-1 oc purlins, except 2-0-0 oc purlins (5-2-10 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
5-0-0 oc bracing: 7-14
10-0-0 oc bracing: 14-16

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

**REACTIONS** (lb/size) 1=939/0-3-8, 9=948/0-3-8
Max Horz 1=-105(LC 4)
Max Uplift 1=-294(LC 6), 9=-286(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1740/1282, 2-3=-1767/1332, 3-4=-1712/1429, 4-5=-1327/1128, 5-22=-1446/1181, 6-22=-1563/1164, 6-7=-2409/1770, 7-8=-373/347, 8-23=-487/402, 9-23=-513/400
BOT CHORD 1-17=-1045/1504, 13-14=-713/1313, 12-13=-1586/2332, 7-12=-1586/2333
WEBS 2-17=-339/321, 14-17=-1065/1532, 4-14=-529/619, 5-13=-303/442, 6-13=-1090/942

**NOTES** (13-14)

1) Attached 14-8-4 scab 5 to 9, back face(s) 2 X 6 SYP No.1D with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 10-3-9 from end at joint 5, nail 2 row(s) at 4" o.c. for 3-9-7.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
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 SYP No.2 .
9) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=294, 9=286.
11) "Pin all pitchbreaks" Member end fixity model was used in the analysis and design of this truss.
12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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

March 4,2010

**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.

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| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T19 | SPECIAL | 1 | 1 | Job Reference (optional) | I4241532 |

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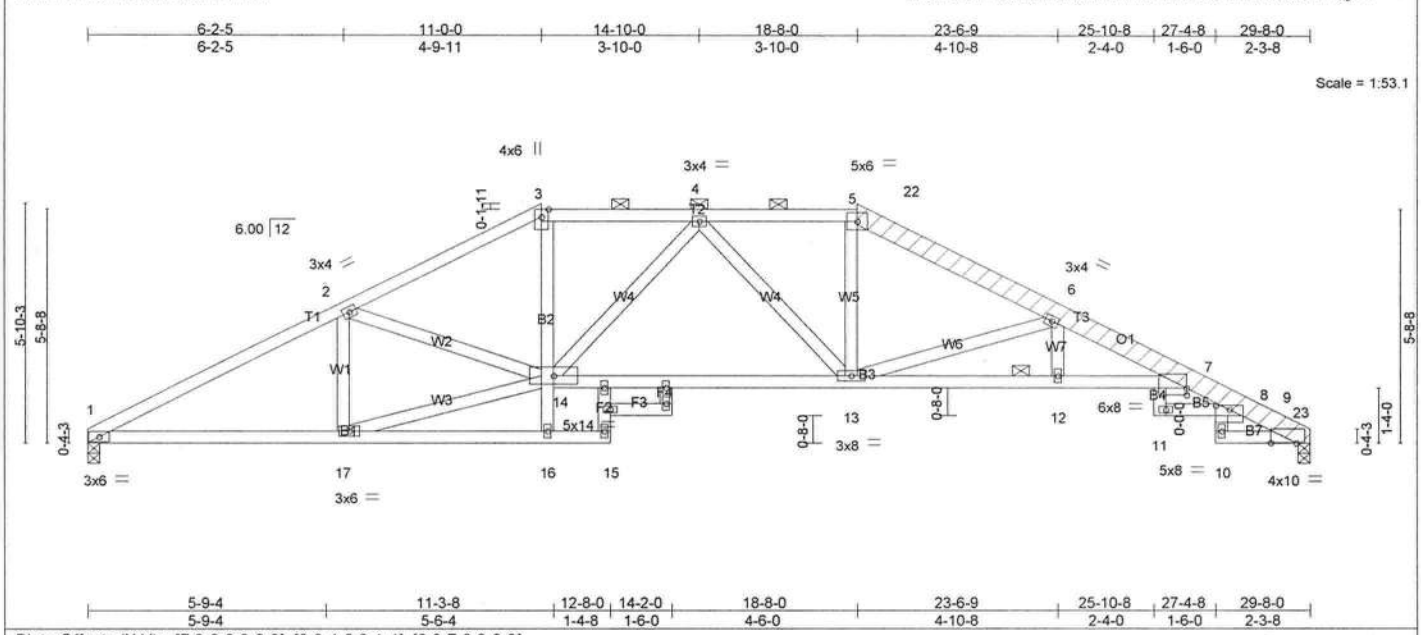


Plate Offsets (X,Y): [7:0-0-0,0-2-0], [8:0-4-0,0-1-4], [9:0-7-8,0-0-3]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.68 | Vert(LL) | -0.24 | 12-13 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.70 | Vert(TL) | -0.47 | 11 | >740 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.55 | Horz(TL) | 0.33 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.37 | 12-13 | >938 | 240 | Weight: 198 lb | |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2 *Except* T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B2,B4,B6: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D
LBR SCAB 5-9 2 X 6 SYP No.1D one side

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins, except 2-0-0 oc purlins (4-10-15 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
4-9-0 oc bracing: 7-13
10-0-0 oc bracing: 14-16

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

**REACTIONS** (lb/size) 1=939/0-3-8, 9=948/0-3-8
Max Horz 1=-89(LC 4)
Max Uplift 1=-279(LC 6), 9=-271(LC 7)

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

TOP CHORD 1-2=-1741/1264, 2-3=-1778/1308, 3-4=-1563/1242, 4-5=-1564/1238, 5-22=-1696/1302, 6-22=-1792/1296, 6-7=-2642/1919, 7-8=-373/343, 8-23=-487/396, 9-23=-514/395
BOT CHORD 1-17=-1029/1505, 3-14=-424/600, 13-14=-1011/1689, 12-13=-1770/2603, 7-12=-1771/2604
WEBS 2-17=-339/317, 14-17=-1048/1532, 4-14=-295/177, 5-13=-394/583, 6-13=-1118/942, 4-13=-290/179

**NOTES** (13-14)

1) Attached 12-5-7 scab 5 to 9, back face(s) 2 X 6 SYP No.1D with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 8-0-12 from end at joint 5, nail 2 row(s) at 4" o.c. for 3-9-7.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
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 SYP No.2 .
9) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=279, 9=271.
11) "Pin all pitchbreaks" Member end fixity model was used in the analysis and design of this truss.
12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Continued on page 2

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

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-54, 6-8=-54, 2-7=-10

Concentrated Loads (lb)

Vert: 3=-150(F) 6=-32(F) 10=-112 11=-112 9=-112 12=-32(F) 13=-32(F) 14=-32(F) 15=-32(F) 16=-32(F) 17=-32(F) 18=-32(F) 19=-112 20=-112 21=-112 22=-112 23=-112 24=-112


March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T16 | SPECIAL | 1 | 1 | | I4241529 |
| Builders FrstSource, Lake City, FL 32055 | | | | | Job Reference (optional) | |

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:39:03 2010 Page 1

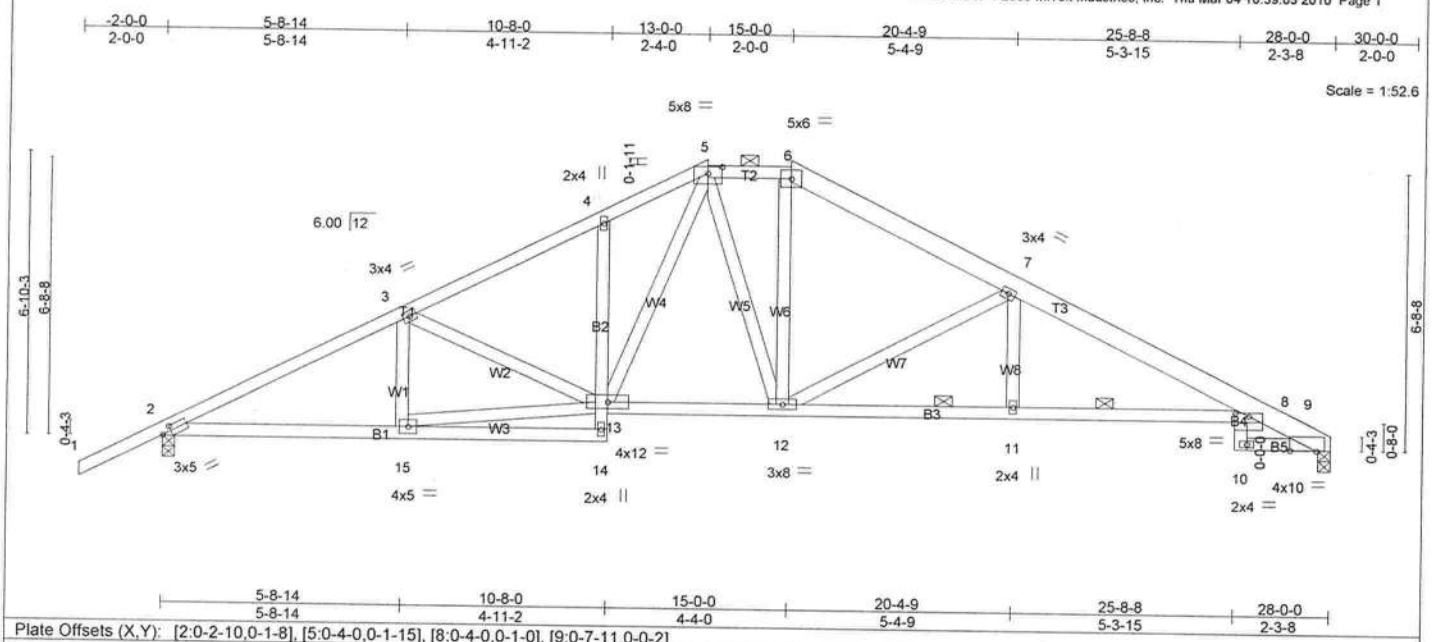



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [5:0-4-0,0-1-15], [8:0-4-0,0-1-0], [9:0-7-11,0-0-2]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.51 | Vert(LL) | -0.14 | 8-11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.94 | Vert(TL) | -0.28 | 8-11 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.47 | Horz(TL) | 0.17 | 9 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.22 | 8-11 | >999 | 240 | Weight: 169 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2 *Except* T3: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B2,B4: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 5-10-0 oc bracing: 8-12

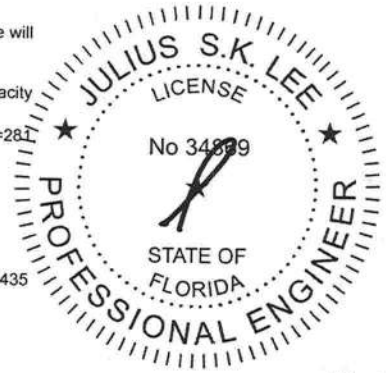
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 9=877/0-3-8, 2=997/0-3-8
Max Horz 2=157(LC 6)
Max Uplift 9=-281(LC 7), 2=-412(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1593/1142, 3-4=-1409/1110, 4-5=-1376/1229, 5-6=-1032/957, 6-7=-1234/1000, 7-8=-1798/1336, 8-9=-629/491
BOT CHORD 2-15=-904/1352, 12-13=-534/1016, 11-12=-1103/1619, 8-11=-1103/1619
WEBS 13-15=-818/1221, 5-13=-468/493, 6-12=-263/345, 7-12=-684/650

**NOTES** (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=281, 2=412.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. |
|---|---|---|---|---|---|
| 327272 | T14 | SPECIAL | 1 | 1 | I4241527 |
| | | | | | Job Reference (optional) |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:39:01 2010 Page 2

**LOAD CASE(S)** Standard

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

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241526 |
|---|---|---|---|---|---|---|
| 327272 | T13 | SPECIAL | 1 | 3 | Job Reference (optional) | |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:39:00 2010 Page 2

**NOTES** (14-15)

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 222 lb down and 283 lb up at 7-0-0, 103 lb down and 107 lb up at 9-0-12, 92 lb down and 78 lb up at 11-0-12, 92 lb down and 78 lb up at 13-0-12, 92 lb down and 78 lb up at 14-11-4, 92 lb down and 78 lb up at 16-11-4, and 92 lb down and 78 lb up at 18-11-4, and 147 lb down and 113 lb up at 21-0-0 on top chord, and 261 lb down and 415 lb up at 7-0-0, 66 lb down and 93 lb up at 9-0-12, 54 lb down and 12 lb up at 11-0-12, 54 lb down and 12 lb up at 13-0-12, 54 lb down and 12 lb up at 14-11-4, 54 lb down and 12 lb up at 16-11-4, and 54 lb down and 12 lb up at 18-11-4, and 322 lb down and 213 lb up at 20-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

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

**LOAD CASE(S)** Standard

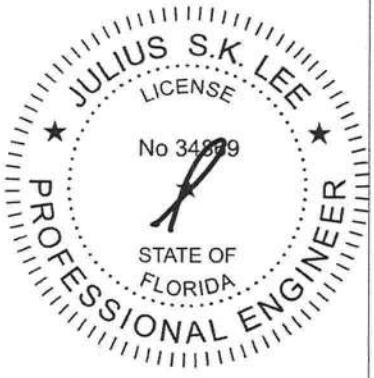
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-54, 6-7=-54, 7-8=-54, 8-9=-54, 2-15=-10, 7-14=-10, 8-11=-10, 9-10=-10

Concentrated Loads (lb)

Vert: 3=-222(B) 6=-107(B) 16=-194(B) 12=-322(B) 20=-103(B) 21=-92(B) 22=-92(B) 23=-92(B) 24=-92(B) 25=-92(B) 26=-32(B) 27=-46(B) 28=-46(B) 29=-46(B) 30=-46(B) 31=-46(B)




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T12 | SPECIAL | 2 | 1 | Job Reference (optional) | I4241525 |

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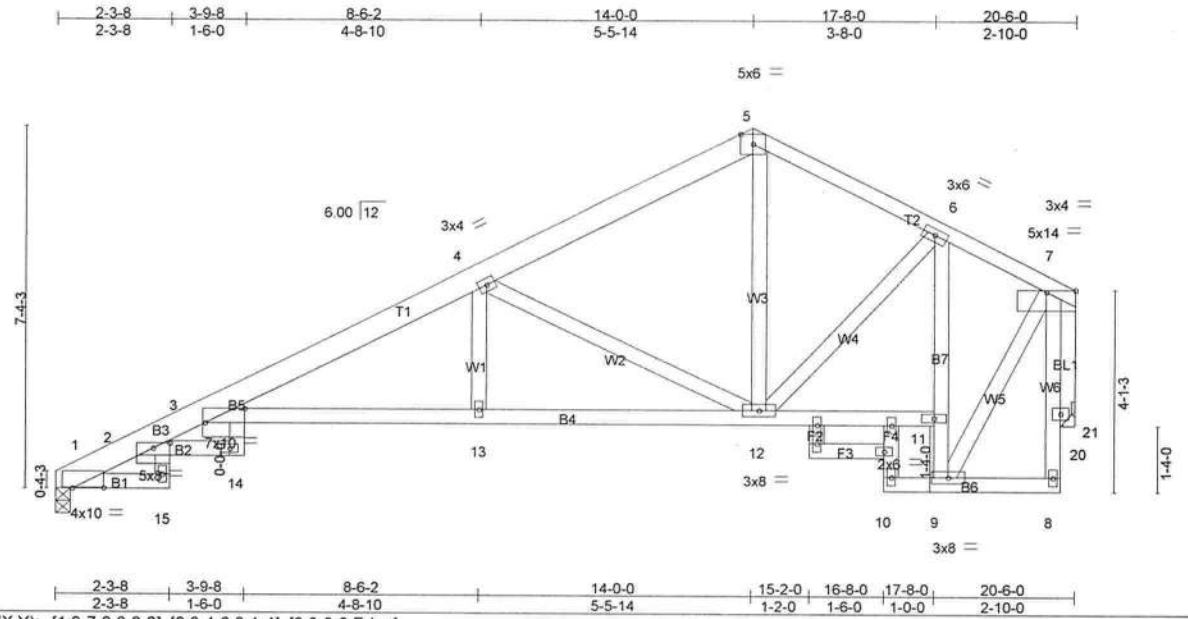






Plate Offsets (X,Y): [1:0-7-9,0-0-2], [2:0-4-0,0-1-4], [3:0-9-8,Edge]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.77 | Vert(LL) | -0.30 | 14 | >808 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.85 | Vert(TL) | -0.57 | 14 | >417 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.58 | Horz(TL) | 0.38 | 21 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.56 | 14 | >429 | 240 | Weight: 137 lb | |

**LUMBER**

TOP CHORD 2 X 6 SYP No.1D *Except* T2: 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B3,B5,B7: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* W6: 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-9 oc bracing. Except: 6-0-0 oc bracing: 9-11

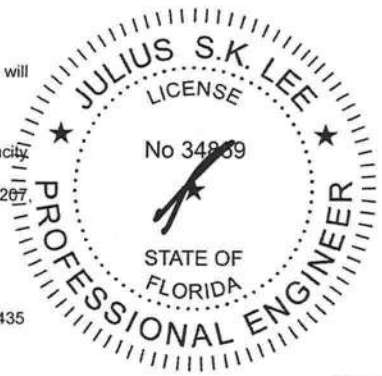
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=650/0-3-8, 21=629/Mechanical
Max Horz 1=206(LC 6)
Max Uplift 1=-207(LC 6), 21=-198(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-462/164, 2-3=-544/289, 3-4=-1329/1022, 4-5=-652/553, 5-6=-603/554, 6-7=-378/313
BOT CHORD 2-14=-285/294, 3-13=-1093/1245, 12-13=-1094/1245, 11-12=-289/369, 9-11=-367/320, 6-11=-380/348
WEBS 4-12=-845/834, 5-12=-293/336, 7-9=-410/528, 7-21=-633/502

**NOTES** (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) 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 SYP No.2 .
7) Refer to girder(s) for truss to truss connections.
8) 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=207, 21=198.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
14) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T10 | SPECIAL | 4 | 1 | Job Reference (optional) | I4241523 |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:38:57 2010 Page 1

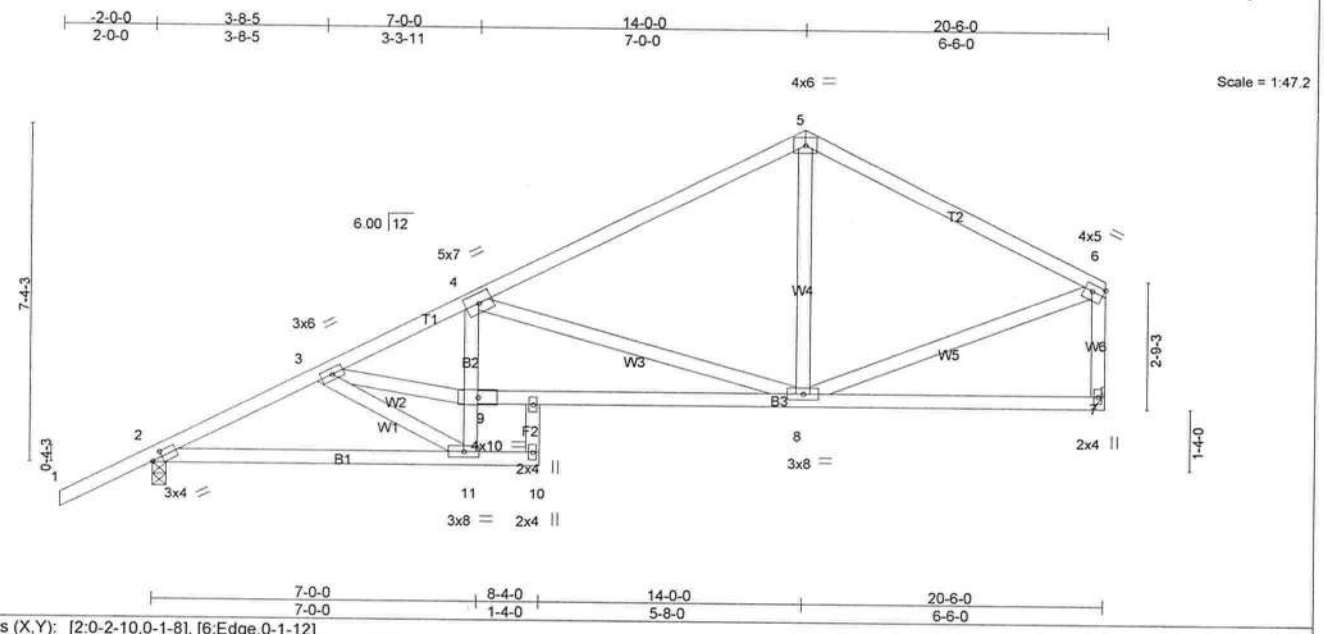



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [6:Edge,0-1-12]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.43 | Vert(LL) | -0.10 | 10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.52 | Vert(TL) | -0.19 | 8-9 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.95 | Horz(TL) | 0.07 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.18 | 10 | >999 | 240 | Weight: 118 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W6: 2 X 4 SYP No.2

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-15 oc bracing. Except:
9-0-0 oc bracing: 9-11

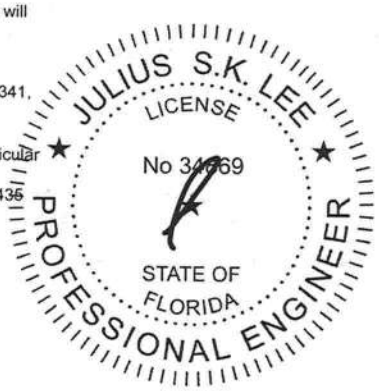
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=778/0-3-8, 7=646/Mechanical
Max Horz 2=264(LC 6)
Max Uplift 2=-341(LC 6), 7=-200(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1140/737, 3-4=-1538/1163, 4-5=-679/524, 5-6=-661/525, 6-7=-619/523
BOT CHORD 2-11=-802/954, 9-11=-362/511, 4-9=-188/434, 8-9=-1227/1456
WEBS 3-11=-958/830, 3-9=-1078/1263, 4-8=-971/904, 5-8=-89/295, 6-8=-336/519

**NOTES** (9-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=341, 7=200.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard




March 4,2010

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T08 | COMMON | 1 | 1 | Job Reference (optional) | I4241521 |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:38:56 2010 Page 1

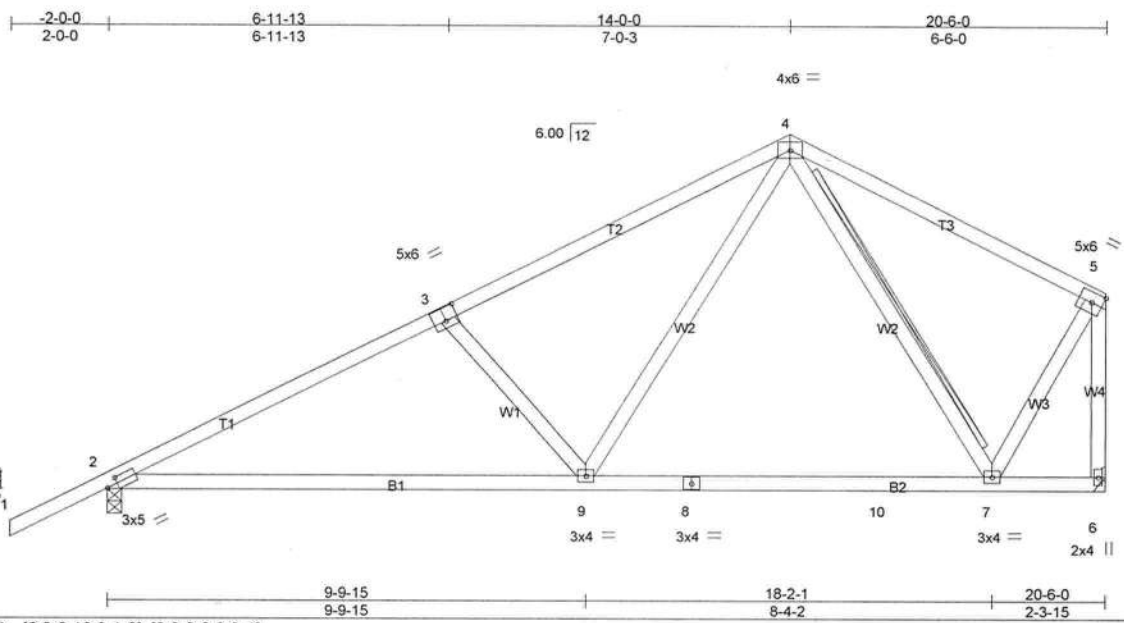



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [3:0-3-0,0-3-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.42 | Vert(LL) | -0.20 | 2-9 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.46 | Vert(TL) | -0.36 | 2-9 | >671 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.41 | Horz(TL) | 0.02 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.05 | 9 | >999 | 240 | Weight: 110 lb | |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W4: 2 X 4 SYP No.2

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-1-7 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

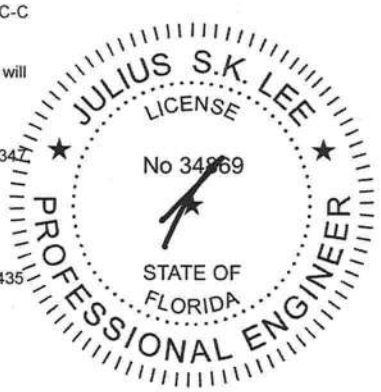
**REACTIONS** (lb/size) 2=818/0-3-8, 6=745/Mechanical
Max Horz 2=264(LC 6)
Max Uplift 2=-347(LC 6), 6=-203(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1178/738, 3-4=-928/656, 4-5=-412/288, 5-6=-815/498
BOT CHORD 2-9=-782/980, 8-9=-301/474, 8-10=-301/474, 7-10=-301/474
WEBS 3-9=-373/472, 4-9=-346/542, 4-7=-335/296, 5-7=-236/573

**NOTES** (10-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=347, 6=203.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
12) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard




March 4,2010




Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T06 | COMMON | 7 | 1 | | I4241519 |

Builders FrstSource, Lake City, FL 32055

Job Reference (optional)

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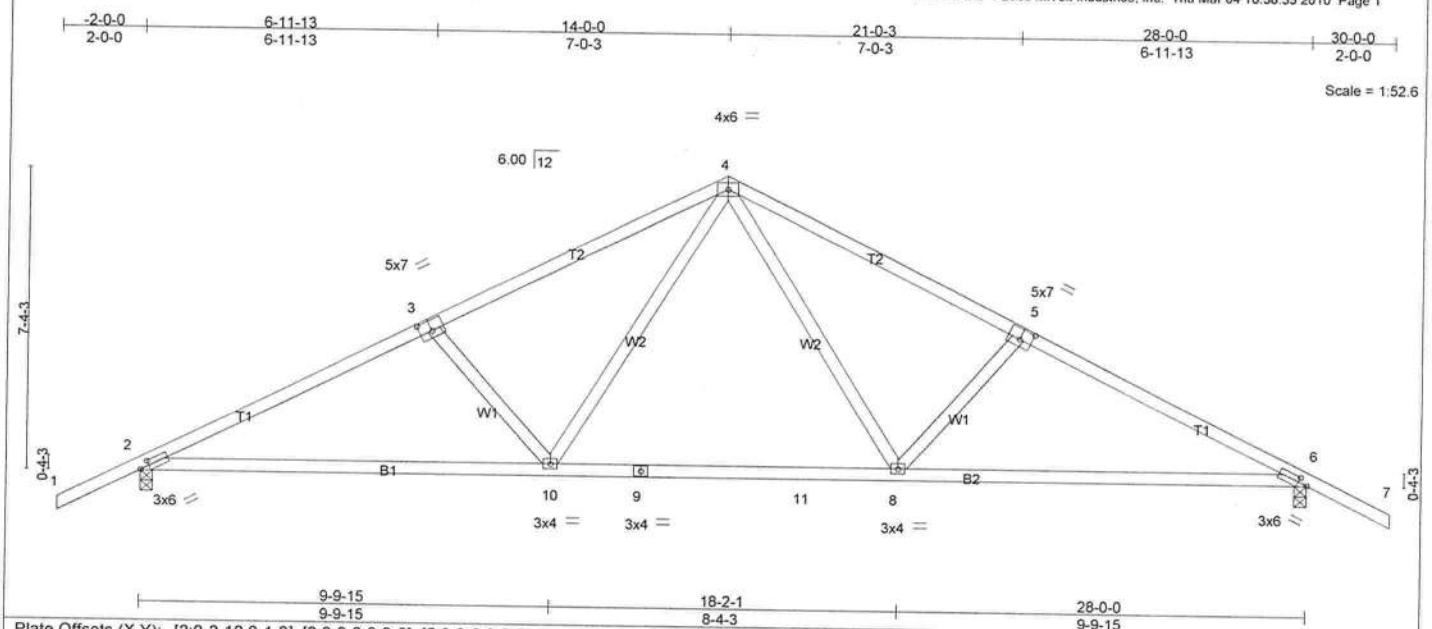



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [3:0-3-8,0-3-0], [5:0-3-8,0-3-0], [6:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.47 | Vert(LL) | -0.28 | 8-10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.55 | Vert(TL) | -0.42 | 6-8 | >787 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.41 | Horz(TL) | 0.06 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.12 | 8-10 | >999 | 240 | Weight: 132 lb | |

**LUMBER**

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

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-8 oc bracing.

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

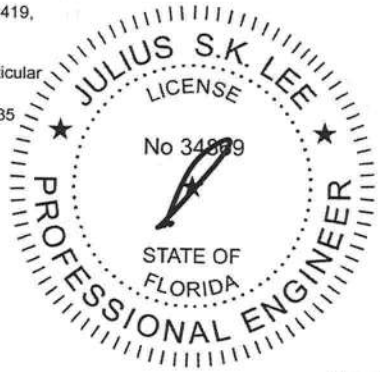
**REACTIONS** (lb/size) 2=1080/0-3-8, 6=1079/0-3-8
Max Horz 2=149(LC 6)
Max Uplift 2=-419(LC 6), 6=-419(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1749/1168, 3-4=-1500/1087, 4-5=-1498/1087, 5-6=-1747/1168
BOT CHORD 2-10=-819/1487, 9-10=-341/989, 9-11=-341/989, 8-11=-341/989, 6-8=-819/1485
WEBS 4-8=-346/537, 5-8=-368/466, 4-10=-346/541, 3-10=-367/466

**NOTES** (8-9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=419, 6=419.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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**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
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Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T04 | SPECIAL | 1 | 1 | Job Reference (optional) | I4241517 |

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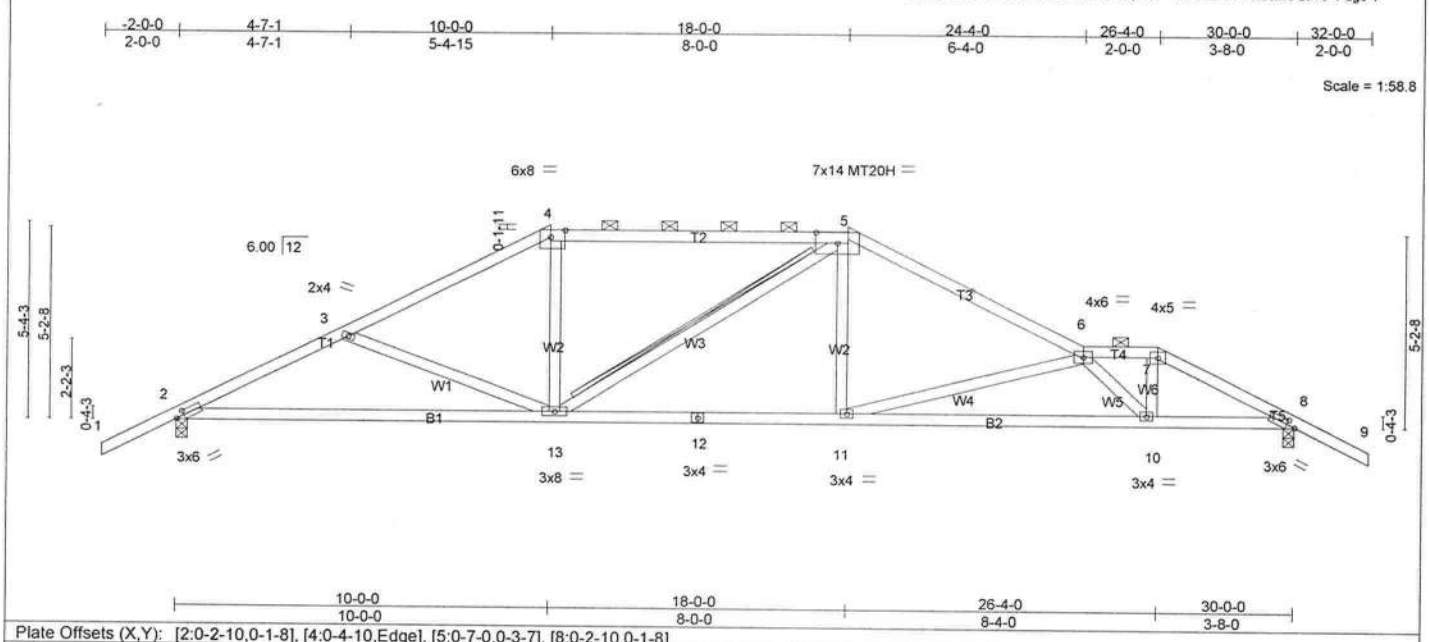



Plate Offsets (X,Y): [2:0-2-10,0-1-8], [4:0-4-10,Edge], [5:0-7-0,0-3-7], [8:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.57 | Vert(LL) | -0.25 | 2-13 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.61 | Vert(TL) | -0.47 | 2-13 | >762 | 240 | MT20H | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.73 | Horz(TL) | 0.08 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.17 | 10-11 | >999 | 240 | Weight: 151 lb | |

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

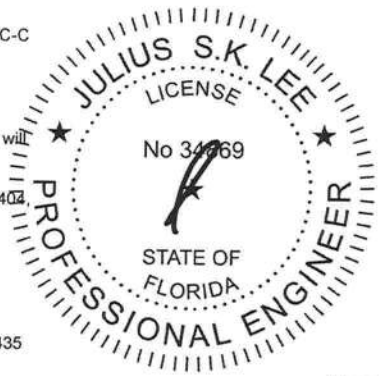
**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-7-2 oc purlins, except 2-0-0 oc purlins (4-7-5 max.): 4-5, 6-7.
BOT CHORD Rigid ceiling directly applied or 5-2-9 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

**REACTIONS** (lb/size) 2=1067/0-3-8, 8=1067/0-3-8
Max Horz 2=119(LC 6)
Max Uplift 2=-404(LC 6), 8=-423(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1751/1287, 3-4=-1479/1086, 4-5=-1280/1060, 5-6=-1595/1169, 6-7=-1564/1097, 7-8=-1768/1165
BOT CHORD 2-13=-948/1503, 12-13=-731/1382, 11-12=-731/1382, 10-11=-1443/2219, 8-10=-840/1509
WEBS 3-13=-254/331, 4-13=-109/350, 5-11=-171/395, 6-11=-882/747, 6-10=-932/804, 7-10=-498/718

**NOTES** (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SYP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=404, 8=423.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435




**LOAD CASE(S)** Standard

March 4,2010

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Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | T03 | SPECIAL | 1 | 2 | Job Reference (optional) | I4241516 |

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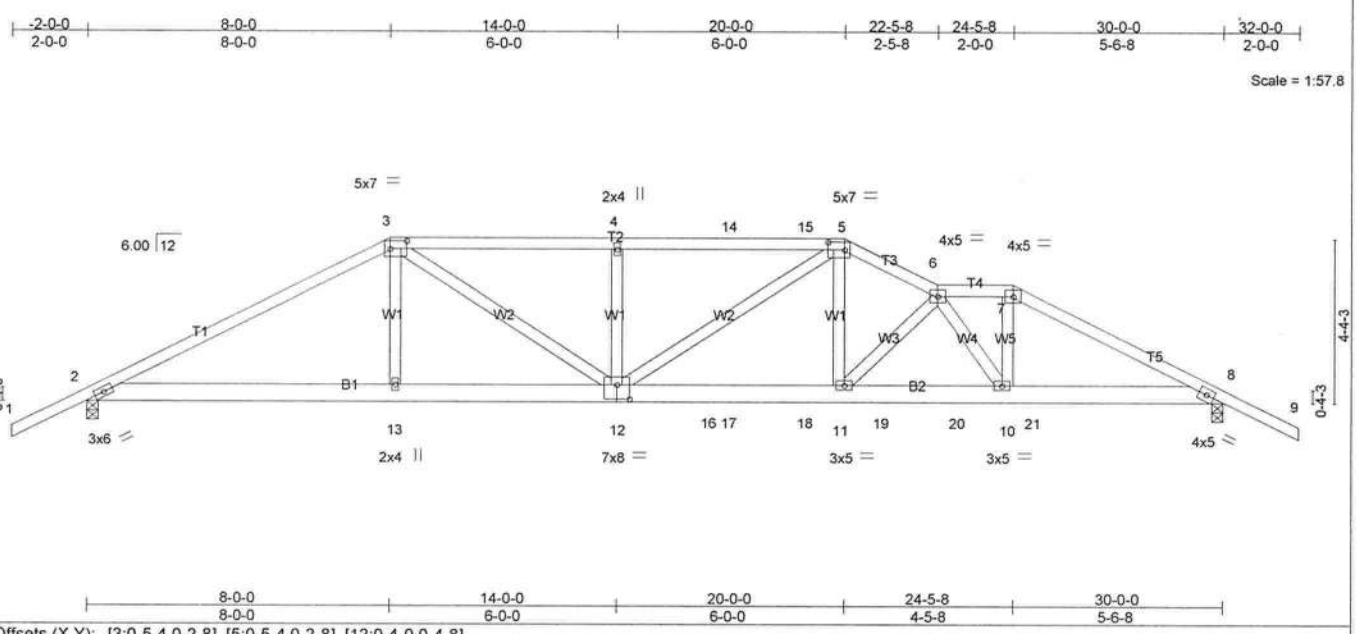



Plate Offsets (X,Y): [3:0-5-4,0-2-8], [5:0-5-4,0-2-8], [12:0-4-0,0-4-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.17 | 11-12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.56 | Vert(TL) | -0.32 | 11-12 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.35 | Horz(TL) | 0.06 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.21 | 11-12 | >999 | 240 | Weight: 347 lb | |

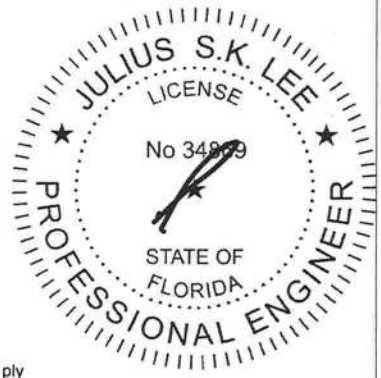
**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 2=1880/0-3-8, 8=2502/0-3-8
Max Horz 2=107(LC 5)
Max Uplift 2=-934(LC 5), 8=-1373(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3446/1663, 3-4=-4736/2560, 4-14=-4736/2560, 14-15=-4736/2560, 5-15=-4736/2560, 5-6=-5141/2731, 6-7=-4321/2299, 7-8=-4803/2475
BOT CHORD 2-13=-1436/2983, 12-13=-1432/2983, 12-16=-2384/4668, 16-17=-2384/4668, 17-18=-2384/4668, 11-18=-2384/4668, 11-19=-2724/5348, 19-20=-2724/5348, 10-20=-2724/5348, 10-21=-2134/4220, 8-21=-2134/4220
WEBS 3-12=-1349/2211, 4-12=-378/244, 5-11=-1036/1922, 6-11=-1088/611, 6-10=-1830/996, 7-10=-1026/1902

**NOTES** (12-13)
1) 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 0-7-0 oc.
Webs connected as follows: 2 X 4 - 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 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SYP No.2 .
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=934, 8=1373.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 38 lb down and 58 lb up at 16-11-4, and 38 lb down and 58 lb up at 18-11-4 on top chord, and 1103 lb down and 782 lb up at 16-4-12, 131 lb down and 53 lb up at 16-11-4, 131 lb down and 53 lb up at 18-11-4, 221 lb down and 99 lb up at 20-11-4, and 221 lb down and 99 lb up at 22-11-4, and 366 lb down and 310 lb up at 24-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.




Continued on page 2

March 4,2010



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Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. |
|---|---|---|---|---|---|
| 327272 | T01 | HIP | 1 | 1 | I4241514 |
| Builders FirstSource, Lake City, FL 32055 | | | | | Job Reference (optional) |

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**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-54, 3-4=-54, 4-5=-54, 2-5=-10
   Concentrated Loads (lb)
      Vert: 3=-151(F) 4=-222(F) 7=89(F) 6=-194(F) 8=-103(F) 9=-32(F)

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March 4,2010



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| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241513 |
|---|---|---|---|---|---|---|
| 327272 | HJ9C | MONO TRUSS | 2 | 1 | Job Reference (optional) | |

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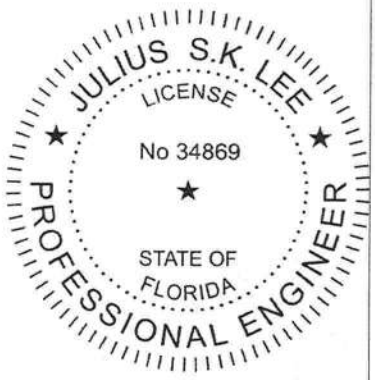
**LOAD CASE(S)** Standard

Uniform Loads (plf)

Vert: 1-4=-54, 2-5=-10

Concentrated Loads (lb)

Vert: 3=46(F=23, B=23) 7=-8(F=-4, B=-4) 8=75(F=37, B=37) 9=-99(F=-49, B=-49) 10=10(F=5, B=5) 11=-28(F=-14, B=-14)




March 4,2010



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| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | HJ9B | SPECIAL | 1 | 1 | Job Reference (optional) | I4241512 |

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**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-6=-54, 2-13=-10, 11-12=-10, 7-10=-10

Concentrated Loads (lb)

Vert: 14=75(F=37, B=37) 15=26(F=13, B=13) 16=-76(F=-38, B=-38) 17=10(F=5, B=5) 18=3(F=1, B=1) 20=-57(F=-29, B=-29)

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March 4,2010



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| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. |
|---|---|---|---|---|---|
| 327272 | HJ9A | MONO TRUSS | 1 | 1 | I4241511 |
| | | | | | Job Reference (optional) |

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**LOAD CASE(S)** Standard

Concentrated Loads (lb)

Vert: 7=-9(F=-5, B=-4) 8=-71(F=-35, B=-35) 9=-65(F=-88, B=23) 10=-24(F=25, B=-49) 11=10(F=5, B=5) 12=113(F=127, B=-14)


March 4,2010



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| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | HJ9 | MONO TRUSS | 4 | 1 | Job Reference (optional) | I4241510 |

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**LOAD CASE(S)** Standard

Uniform Loads (plf)

Vert: 1-4=-54, 2-5=-10

Concentrated Loads (lb)

Vert: 3=46(F=23, B=23) 7=-8(F=-4, B=-4) 8=75(F=37, B=37) 9=-99(F=-49, B=-49) 10=10(F=5, B=5) 11=-28(F=-14, B=-14)

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March 4,2010



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| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | HJ7 | MONO TRUSS | 1 | 1 | Job Reference (optional) | I4241509 |

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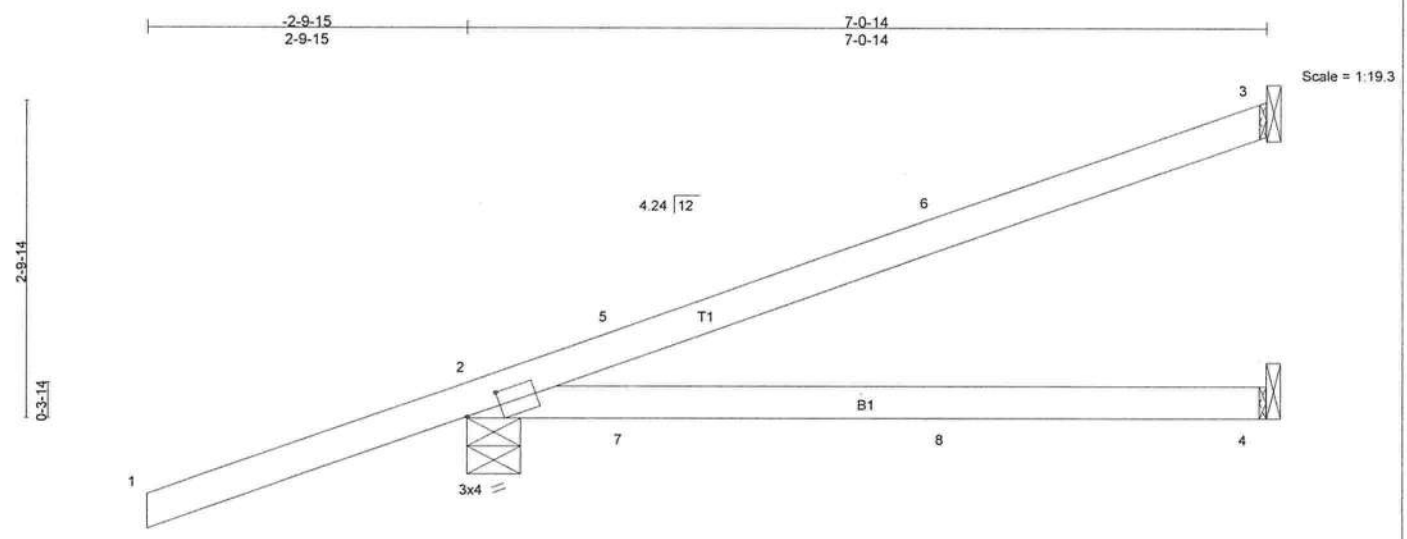



Plate Offsets (X,Y): [2:0-3-12,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.62 | Vert(LL) | -0.09 | 2-4 | >876 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.32 | Vert(TL) | -0.14 | 2-4 | >578 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.00 | Horz(TL) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.13 | 2-4 | >636 | 240 | Weight: 26 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

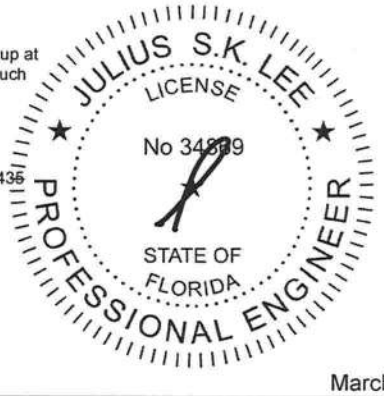
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=110/Mechanical, 2=335/0-5-11, 4=30/Mechanical
Max Horz 2=225(LC 3)
Max Uplift 3=-138(LC 3), 2=-490(LC 3), 4=-40(LC 8)
Max Grav 3=110(LC 1), 2=335(LC 1), 4=97(LC 2)

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

**NOTES** (10-11)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=138 , 2=490.
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) 37 lb up at 1-5-12, 37 lb up at 1-5-12, and 13 lb down and 23 lb up at 4-3-11, and 13 lb down and 23 lb up at 4-3-11 on top chord, and 18 lb up at 1-5-12, 18 lb up at 1-5-12, and 12 lb down and 42 lb up at 4-3-11, and 12 lb down and 42 lb up at 4-3-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 2-4=-10
Concentrated Loads (lb)
Vert: 5=75(F=37, B=37) 6=46(F=23, B=23) 7=10(F=5, B=5) 8=-8(F=-4, B=-4)




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | HG23 | GABLE | 1 | 1 | | I4241507 |

Builders FrstSource, Lake City, FL 32055

Job Reference (optional)

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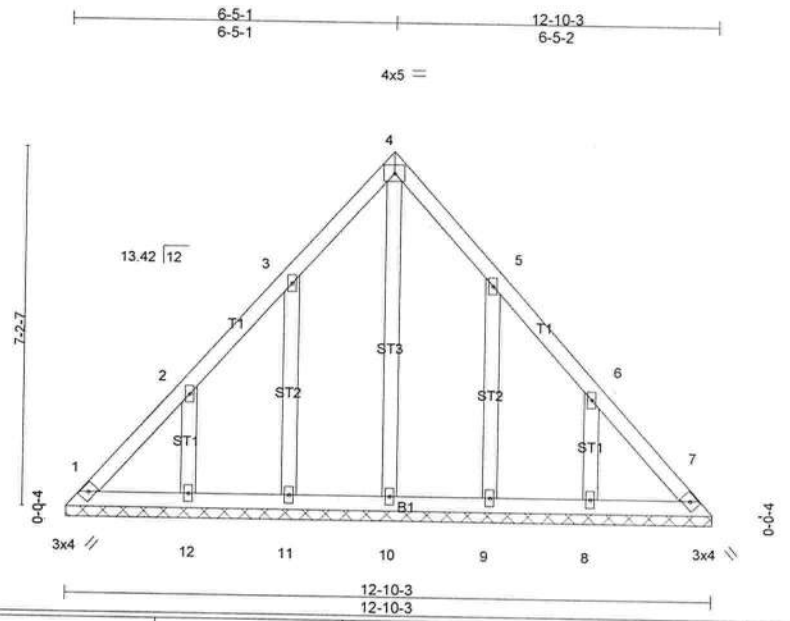



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.06 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.05 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.15 | Horz(TL) | 0.00 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | | | | | | Weight: 76 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

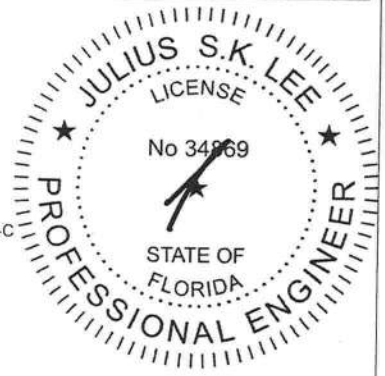
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** All bearings 12-10-3.
(lb) - Max Horz 1=-247(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 11=-150(LC 6), 12=-180(LC 6), 9=-149(LC 7), 8=-181(LC 7)
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.
WEBS 3-11=-112/252, 2-12=-121/292, 5-9=-112/252, 6-8=-121/292

**NOTES** (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 1-2002.
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 SYP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 11=150, 12=180, 9=149, 8=181.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | HG13 | GABLE | 1 | 1 | Job Reference (optional) | I4241505 |

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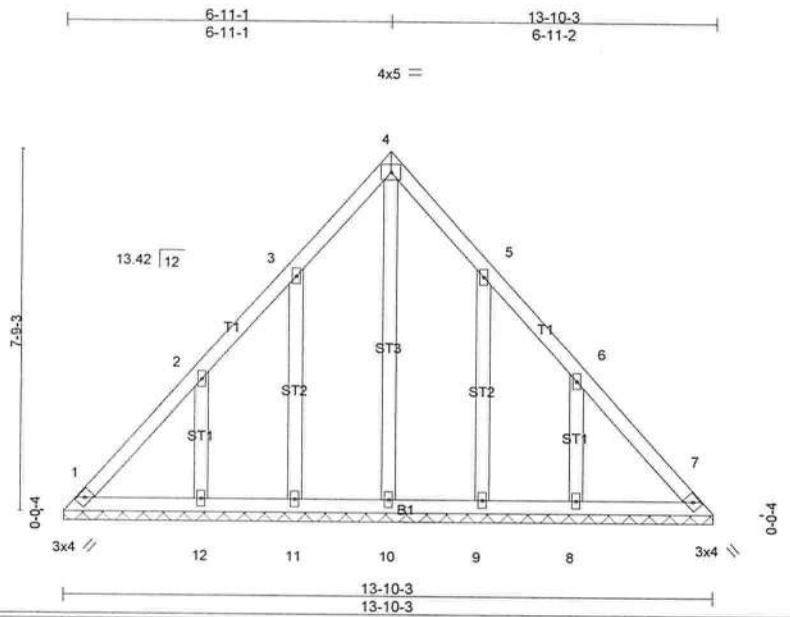


| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.11 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.06 | Vert(TL) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.19 | Horz(TL) | 0.00 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | | | | | | Weight: 84 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP 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 13-10-3.
(lb) - Max Horz 1=-267(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 11=-139(LC 6), 12=-211(LC 6), 9=-138(LC 7), 8=-211(LC 7)
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.
TOP CHORD 1-2=-262/138
WEBS 2-12=-140/332, 6-8=-140/332

**NOTES** (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 1-2002.
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 SYP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 11=139, 12=211, 9=138, 8=211.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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

March 4,2010

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | EJ8C | MONO HIP | 1 | 1 | Job Reference (optional) | I4241503 |

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**LOAD CASE(S)** Standard

Concentrated Loads (lb)

Vert: 6=-34(F) 3=-106(F) 7=-49(F) 8=-14(F)

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

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241502 |
|---|---|---|---|---|---|---|
| 327272 | EJ8B | COMMON | 2 | 1 | Job Reference (optional) | |

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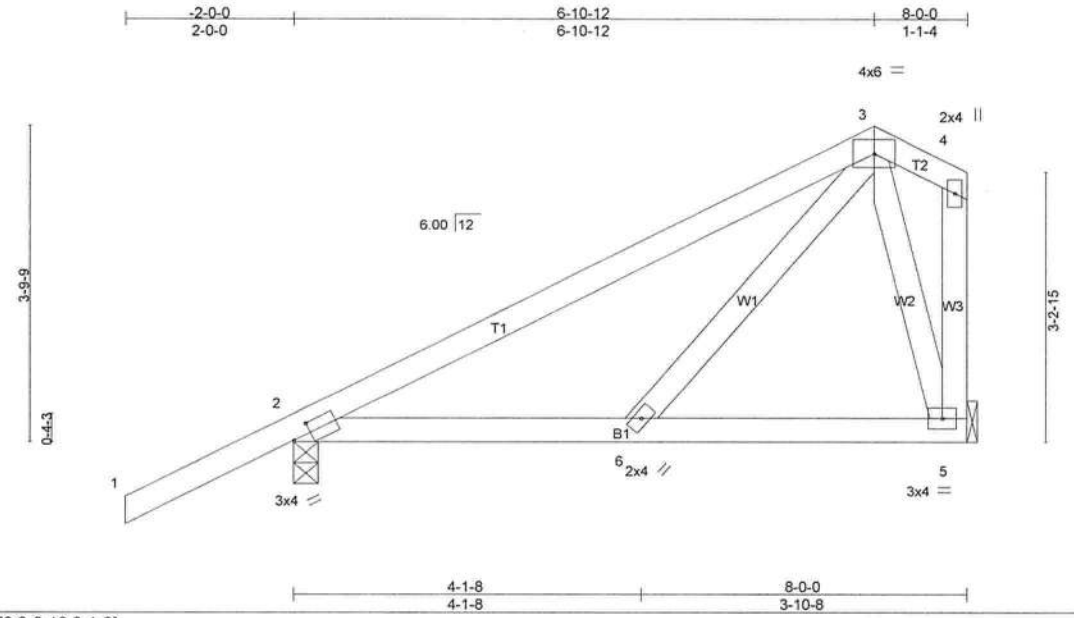



Plate Offsets (X,Y): [2:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.01 | 2-6 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.15 | Vert(TL) | -0.02 | 2-6 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.11 | Horz(TL) | -0.00 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.02 | 2-6 | >999 | 240 | Weight: 44 lb | |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W3: 2 X 4 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 10-0-0 oc bracing.

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

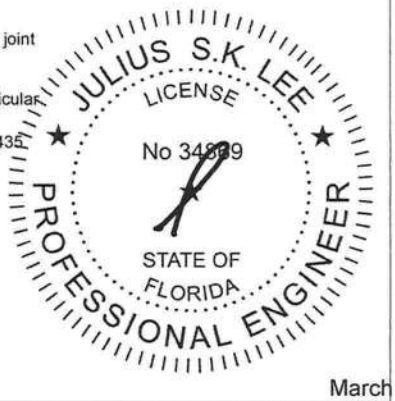
**REACTIONS** (lb/size) 2=379/0-3-8, 5=231/Mechanical
Max Horz 2=190(LC 6)
Max Uplift 2=-212(LC 6), 5=-93(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-250/49
WEBS 3-5=-312/435

**NOTES** (9-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 212 lb uplift at joint 2 and 93 lb uplift at joint 5.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241501 |
|---|---|---|---|---|---|---|
| 327272 | EJ8A | MONO TRUSS | 1 | 1 | Job Reference (optional) | |

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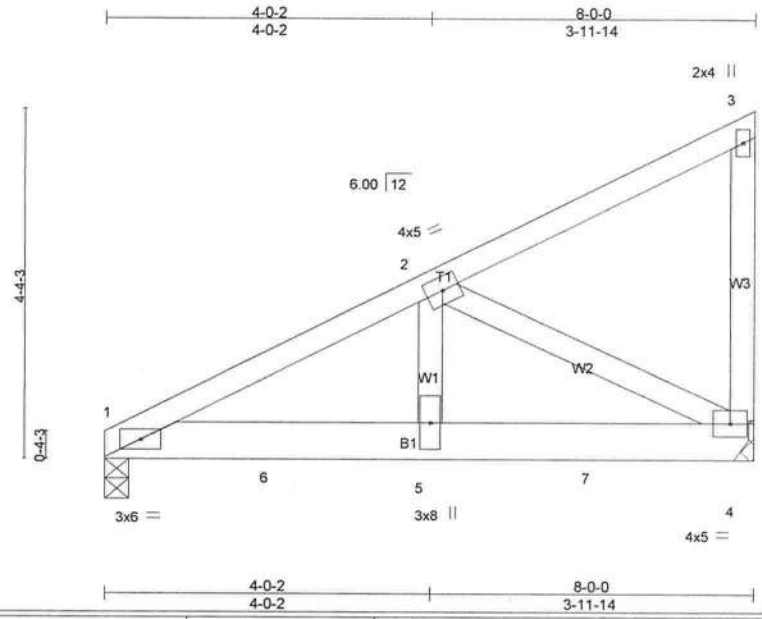



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.25 | Vert(LL) | -0.03 | 4-5 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.45 | Vert(TL) | -0.05 | 4-5 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.56 | Horz(TL) | 0.01 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.04 | 1-5 | >999 | 240 | Weight: 46 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-13 oc bracing.

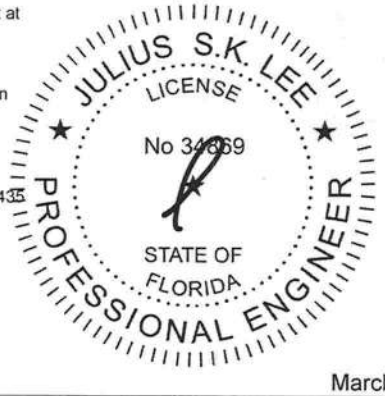
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=1237/0-3-8, 4=1113/Mechanical
Max Horz 1=157(LC 5)
Max Uplift 1=-1085(LC 5), 4=-776(LC 5)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1733/1270
BOT CHORD 1-6=-1249/1517, 5-6=-1249/1517, 5-7=-1249/1517, 4-7=-1249/1517
WEBS 2-5=-1076/1294, 2-4=-1681/1390

**NOTES** (10-12)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1085 lb uplift at joint 1 and 776 lb uplift at joint 4.
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) 250 lb down and 311 lb up at 0-1-12, 285 lb down and 348 lb up at 2-1-1, and 826 lb down and 826 lb up at 4-0-12, and 496 lb down and 176 lb up at 6-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) 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
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 1-4=-10




Continued on page 2

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241499 |
|---|---|---|---|---|---|---|
| 327272 | EJ7B | MONO TRUSS | 9 | 1 | Job Reference (optional) | |

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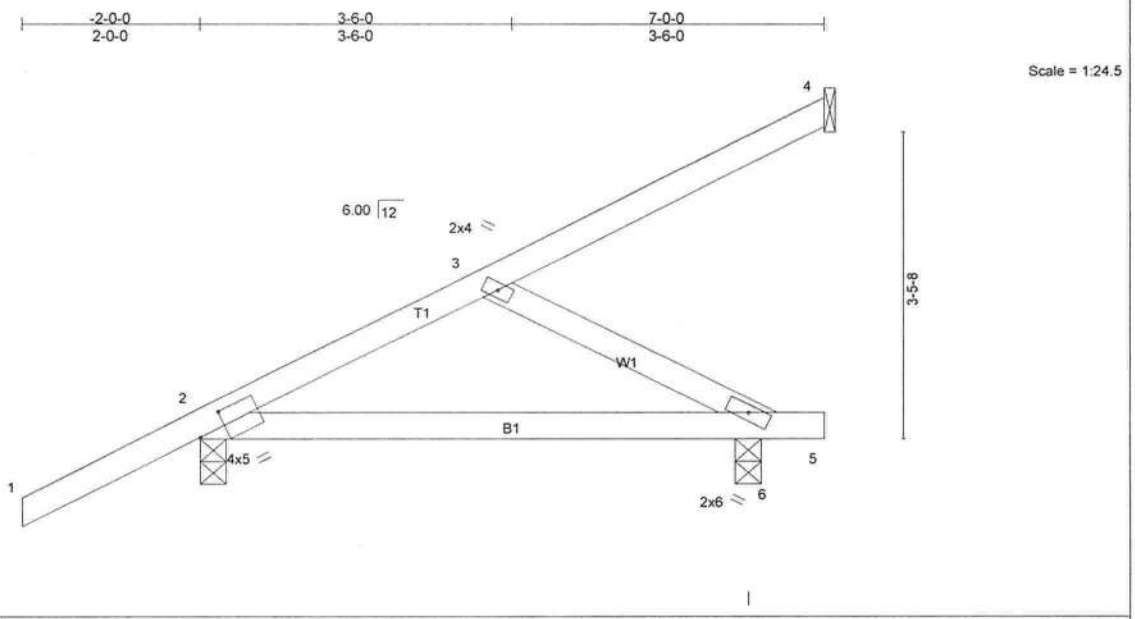



Plate Offsets (X,Y): [2:0-3-10,0-2-0]

| 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) | -0.06 | 2-6 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.40 | Vert(TL) | -0.10 | 2-6 | >756 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.10 | Horz(TL) | -0.00 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.21 | 2-6 | >355 | 240 | Weight: 31 lb | |

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

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

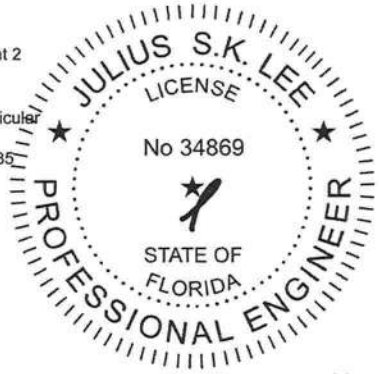
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 4=86/Mechanical, 2=343/0-3-8, 6=122/0-3-8
Max Horz 2=203(LC 6)
Max Uplift 4=-67(LC 6), 2=-290(LC 6), 6=-136(LC 6)
Max Grav 4=86(LC 1), 2=343(LC 1), 6=138(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-251/166
BOT CHORD 2-6=-372/184
WEBS 3-6=-206/415

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 4, 290 lb uplift at joint 2 and 136 lb uplift at joint 6.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. |
|---|---|---|---|---|---|
| 327272 | EJ7 | MONO TRUSS | 13 | 1 | Job Reference (optional) |

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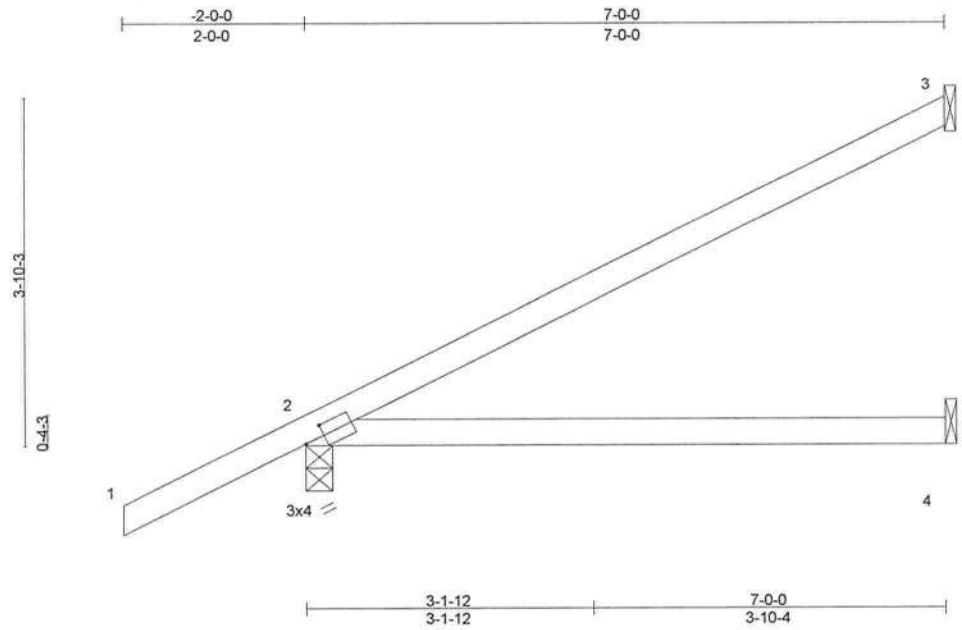



Plate Offsets (X,Y): [2:0-2-10,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.64 | Vert(LL) | -0.09 | 2-4 | >921 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.59 | Vert(TL) | -0.17 | 2-4 | >476 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.42 | 2-4 | >195 | 240 | Weight: 26 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

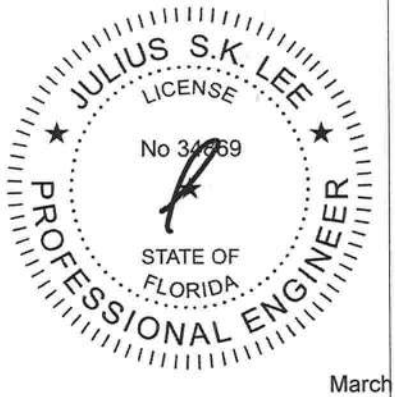
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=157/Mechanical, 2=352/0-3-8, 4=42/Mechanical
Max Horz 2=203(LC 6)
Max Uplift 3=-125(LC 6), 2=-301(LC 6), 4=-87(LC 5)
Max Grav 3=157(LC 1), 2=352(LC 1), 4=96(LC 2)

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

**NOTES** (7-8)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 3, 301 lb uplift at joint 2 and 87 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | |
|---|---|---|---|---|---|---|
| 327272 | CJ5B | SPECIAL | 2 | 1 | | I4241495 |
| | | | | | Job Reference (optional) | |

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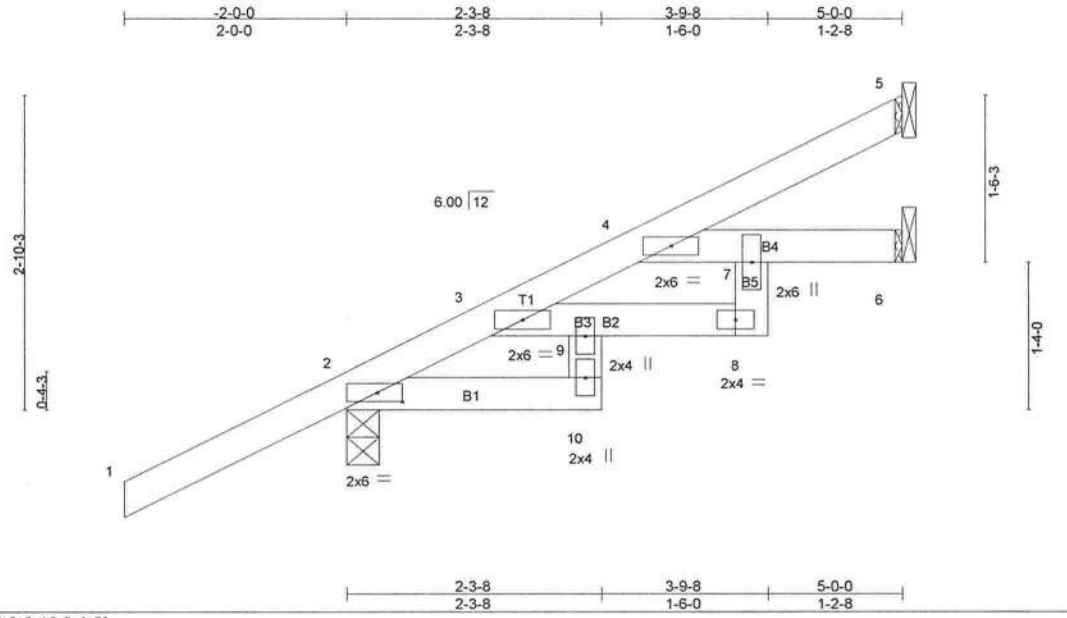



Plate Offsets (X,Y): [2:0-2-12,0-1-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.01 | 9 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.26 | Vert(TL) | -0.02 | 8-9 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.02 | 4 | >999 | 240 | Weight: 24 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3,B5: 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 9-10.

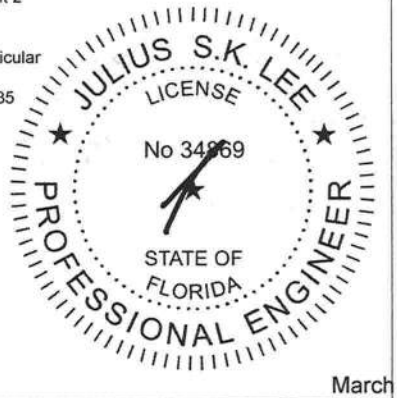
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 5=65/Mechanical, 2=299/0-3-8, 6=69/Mechanical
Max Horz 2=224(LC 6)
Max Uplift 5=-69(LC 6), 2=-264(LC 6), 6=-27(LC 6)
Max Grav 5=65(LC 1), 2=299(LC 1), 6=90(LC 2)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 69 lb uplift at joint 5, 264 lb uplift at joint 2 and 27 lb uplift at joint 6.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010

**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
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241493 |
|---|---|---|---|---|---|---|
| 327272 | CJ5 | JACK | 13 | 1 | Job Reference (optional) | |

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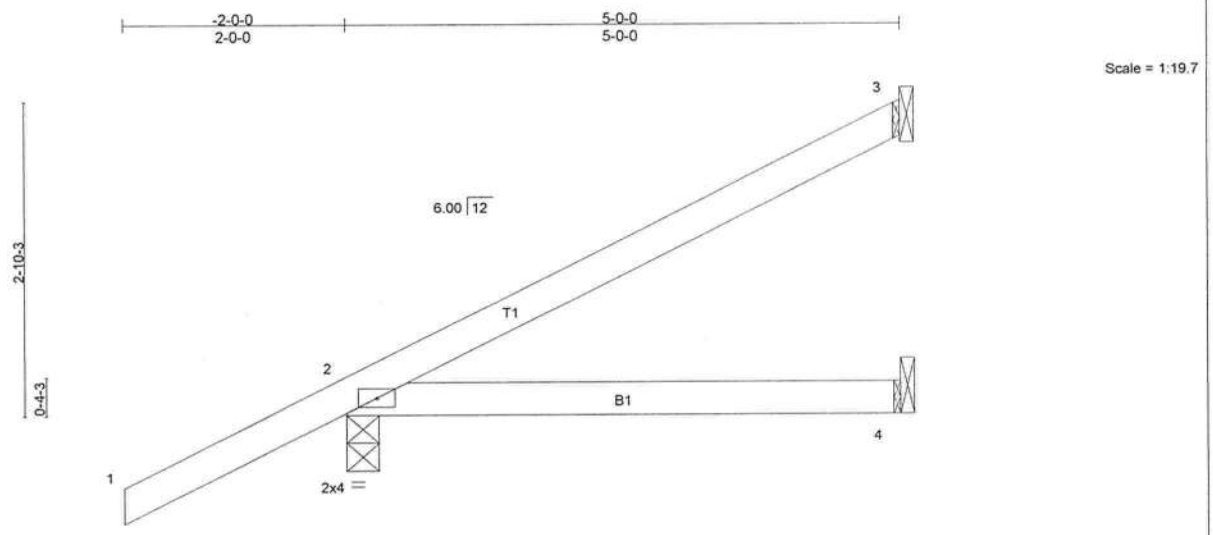



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | -0.03 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.31 | Vert(TL) | -0.05 | 2-4 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.11 | 2-4 | >526 | 240 | Weight: 19 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

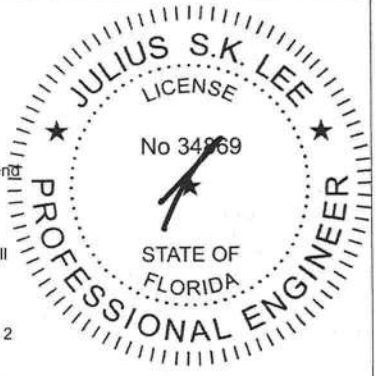
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=224(LC 6)
Max Uplift 3=-114(LC 6), 2=-341(LC 6), 4=-61(LC 4)
Max Grav 3=103(LC 1), 2=295(LC 1), 4=72(LC 2)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 3, 341 lb uplift at joint 2 and 61 lb uplift at joint 4.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241491 |
|---|---|---|---|---|---|---|
| 327272 | CJ3A | JACK | 1 | 1 | Job Reference (optional) | |

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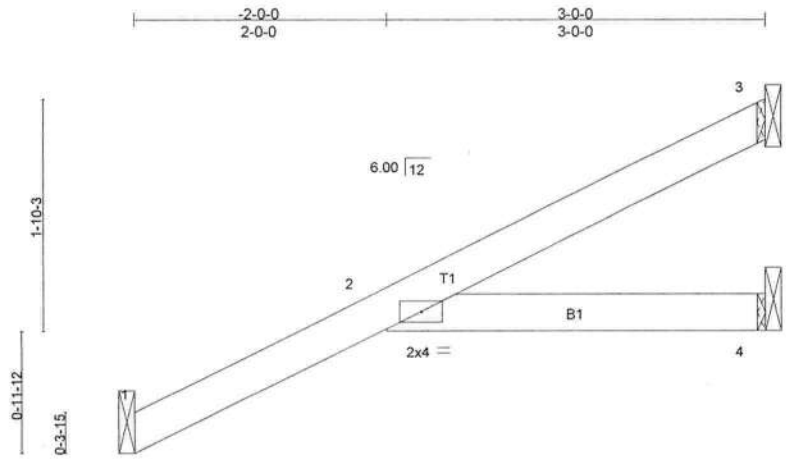



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.58 | Vert(LL) | -0.06 | 2 | >928 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.12 | Vert(TL) | -0.12 | 2 | >502 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.11 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.23 | 2 | >257 | 240 | Weight: 13 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP 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.

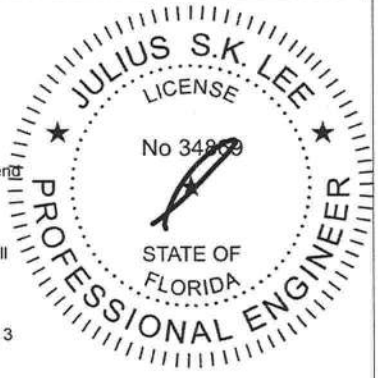
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=158/Mechanical, 3=142/Mechanical, 4=15/Mechanical
Max Horz 1=171(LC 6)
Max Uplift 1=-144(LC 6), 3=-184(LC 6), 4=-38(LC 4)
Max Grav 1=158(LC 1), 3=142(LC 1), 4=44(LC 2)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 1, 184 lb uplift at joint 3 and 38 lb uplift at joint 4.
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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard



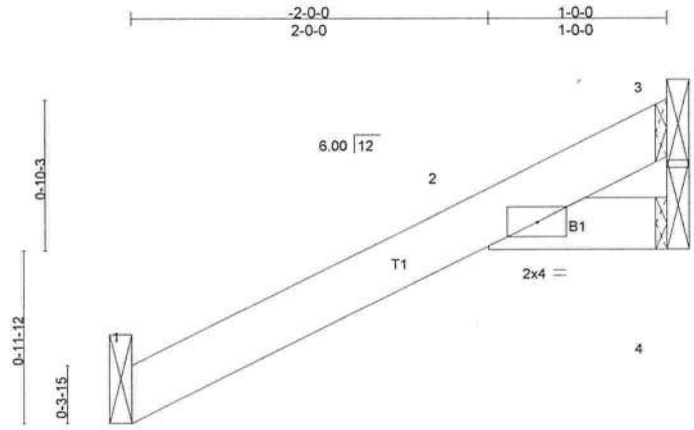

March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | RICHARD KEEN - GLENN RES. | I4241489 |
|---|---|---|---|---|---|---|
| 327272 | CJ1A | JACK | 2 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Mar 04 10:38:38 2010 Page 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 | 0.14 | Vert(LL) | -0.01 | 1-2 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.01 | Vert(TL) | -0.02 | 1-2 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.01 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.02 | 1-2 | >999 | 240 | Weight: 7 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

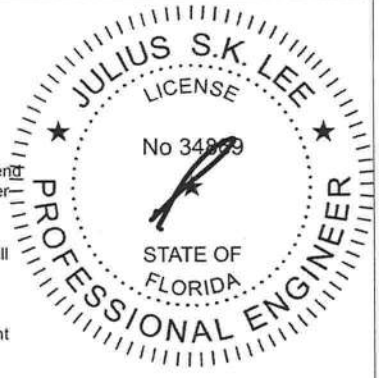
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=95/Mechanical, 4=5/Mechanical, 3=89/Mechanical
Max Horz 1=85(LC 6)
Max Uplift 1=-42(LC 6), 3=-88(LC 6)
Max Grav 1=95(LC 1), 4=15(LC 2), 3=89(LC 1)

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

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 1 and 88 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) 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) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




March 4,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

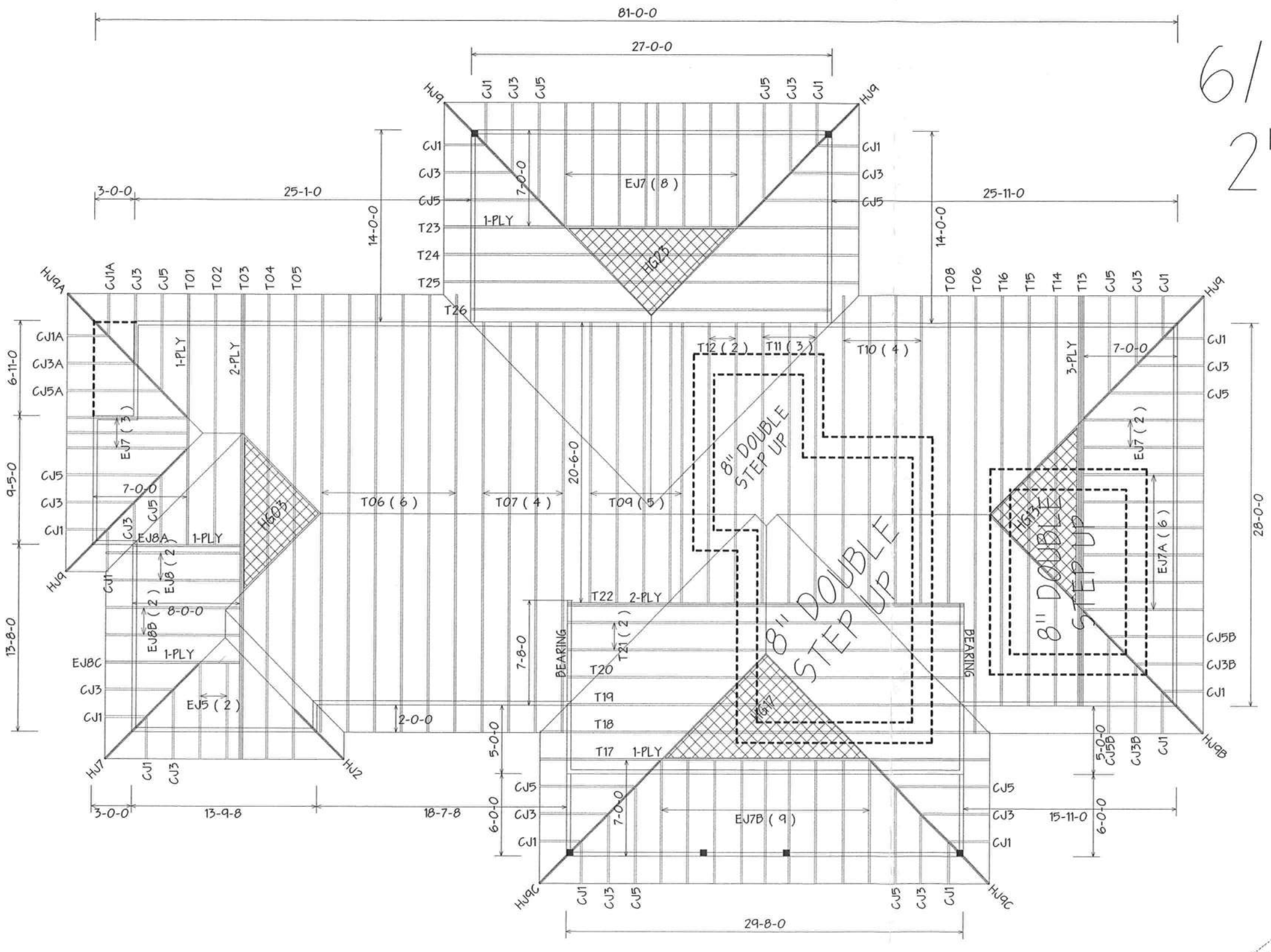
RE: 327272 - RICHARD KEEN - GLENN RES.

**Site Information:**

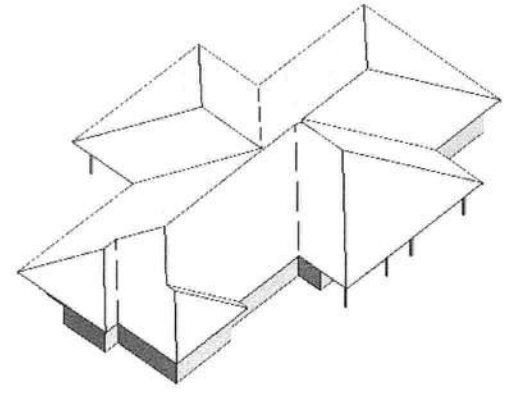
Project Customer: RICHARD KEEN Project Name: 327272 Model: GLENN RES.
Lot/Block: Subdivision:
Address: 185 SW ARROWHEAD TER
City: COLUMBIA CTY State: FL

| No. | Seal# | Truss Name | Date |
|---|---|---|---|
| 35 | I4241522 | T09 | 3/4/010 |
| 36 | I4241523 | T10 | 3/4/010 |
| 37 | I4241524 | T11 | 3/4/010 |
| 38 | I4241525 | T12 | 3/4/010 |
| 39 | I4241526 | T13 | 3/4/010 |
| 40 | I4241527 | T14 | 3/4/010 |
| 41 | I4241528 | T15 | 3/4/010 |
| 42 | I4241529 | T16 | 3/4/010 |
| 43 | I4241530 | T17 | 3/4/010 |
| 44 | I4241531 | T18 | 3/4/010 |
| 45 | I4241532 | T19 | 3/4/010 |
| 46 | I4241533 | T20 | 3/4/010 |
| 47 | I4241534 | T21 | 3/4/010 |
| 48 | I4241535 | T22 | 3/4/010 |
| 49 | I4241536 | T23 | 3/4/010 |
| 50 | I4241537 | T24 | 3/4/010 |
| 51 | I4241538 | T25 | 3/4/010 |
| 52 | I4241539 | T26 | 3/4/010 |

# 6/12 PITCH
# 2'-0" O/H




SOME CEILINGS TO BE
FRAMED DOWN BY BUILDER



BEARING HEIGHT SCHEDULE

8'-1 1/8"

HANGER SCHEDULE
19 - HTU26

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) 5Y42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved By: _____ Date: _____


Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 386-755-6894 FAX: 386-755-7473

Sanford
PHONE: 407-322-0059 FAX: 407-322-5553


| | | |
|---|---|---|
| BUILDER: RICHARD KEEN | | |
| LEGAL ADDRESS: GLENN RES. | | |
| MODEL: CUSTOM | | REVISION: |
| | | SCALE: NTS |
| DATE: 3-4-10 | DRAWN BY: K.L.H. | JOB #: 372272 |