| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944622 |
|---|---|---|---|---|---|---|
| 439172 | T02G | GABLE | 1 | 1 | Job Reference (optional) | |

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ID:4zxORjU7zi3EuuwNdMISH9zYnf9-kpnS6uvvWMHnc?hRImS4I8V9N1RDSJ5w0qiRfsybS_G

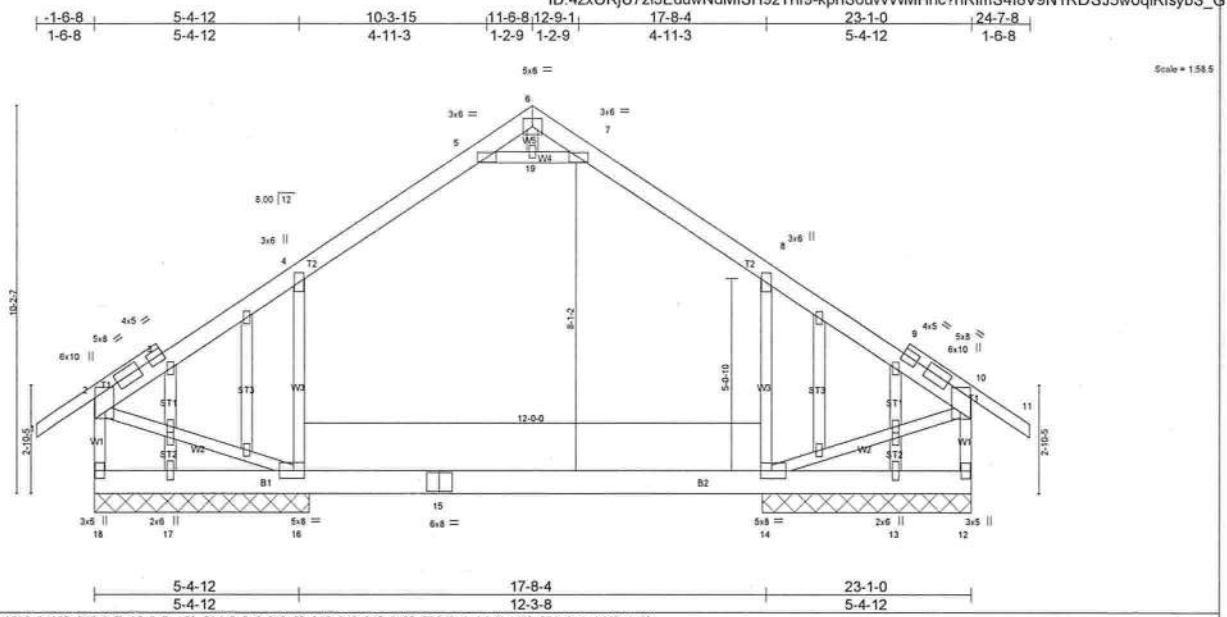


Plate Offsets (X,Y): [2:0-7-12,0-2-12], [10:0-7-12,0-2-12], [14:0-3-8,0-2-8], [16:0-3-8,0-2-8], [20:0-1-11,0-1-0], [23:0-1-11,0-1-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.34 | Vert(LL) | -0.14 | 14-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.37 | Vert(TL) | -0.22 | 14-16 | >680 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.51 | Horz(TL) | 0.00 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code | FBC2010/TPI2007 | (Matrix-M) | | Attic | -0.14 | 14-16 | 1053 | 360 | Weight: 208 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x6 SYP No.2 *Except* T1: 2x4 SP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except* W4,W1: 2x4 SP No.2
OTHERS 2x4 SP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 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 5-8-0 except (jt=length) 14=5-6-0, 12=5-6-0, 13=5-6-0.
(lb) - Max Horz 18=-369(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 18=-184(LC 13), 16=-240(LC 12), 14=-240(LC 13), 12=-182(LC 12), 13=-656(LC 18), 17=-656(LC 18)
Max Grav All reactions 250 lb or less at joint(s) except 18=1074(LC 23), 16=1542(LC 22), 14=1524(LC 23), 12=1110(LC 22)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-763/152, 3-4=-669/150, 4-5=-958/302, 7-8=-959/303, 8-9=-692/149, 9-10=-784/151, 2-18=-1017/298, 10-12=-1010/297
BOT CHORD 17-18=-338/342, 16-17=-338/342, 15-16=-124/625, 14-15=-124/625
WEBS 5-19=-608/331, 7-19=-608/331, 4-16=-868/386, 8-14=-874/385, 2-16=-97/609, 10-14=-108/630

**NOTES** (15-17)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-19, 7-19; Wall dead load (5.0psf) on member(s).4-16, 8-14
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
10) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 18, 240 lb uplift at joint 16, 240 lb uplift at joint 14, 182 lb uplift at joint 12, 656 lb uplift at joint 13 and 656 lb uplift at joint 17.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Attic room checked for L/360 deflection.
14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).


Continued on page 2

September 21,201



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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T02G | GABLE | 1 | 1 | I5944622 |
| | | | | | Job Reference (optional) |



15) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
16) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
17) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34889: 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: 16-18=-10, 14-16=-90, 12-14=-10, 1-2=-80(F=-36), 2-4=-80(F=-36), 4-5=-90(F=-36), 5-6=-80(F=-36), 6-7=-80(F=-36), 7-8=-90(F=-36), 8-10=-80(F=-36), 10-11=-80(F=-36), 5-7=-10
Drag: 4-16=-10, 8-14=-10



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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944623 |
|---|---|---|---|---|---|---|
| 439172 | T03 | ATTIC | 1 | 1 | Job Reference (optional) | |

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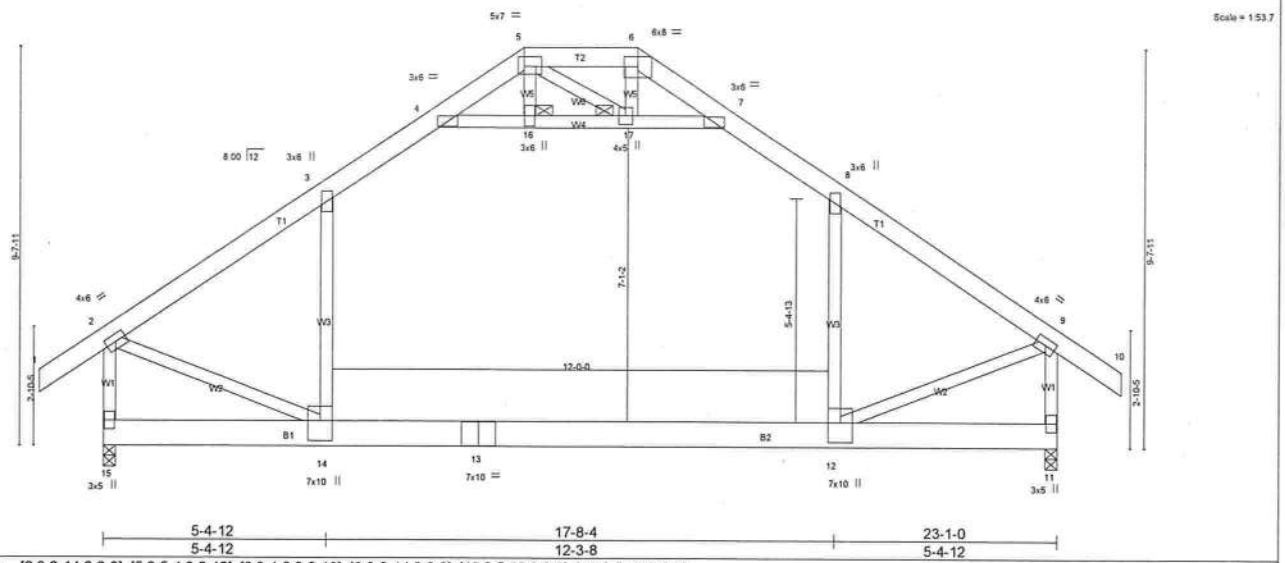
ID:4zxORjU7zi3EuuwNdMISH9zYnf9-9OTakwxnpHgMTTQ?zu?nvn6c4FSwffBNiox5GBybS_D

| -1-6-8 | 5-4-12 | 8-3-10 | 10-2-0 | 12-11-0 | 14-9-6 | 17-8-4 | 23-1-0 | 24-7-8 |
|---|---|---|---|---|---|---|---|---|
| 1-6-8 | 5-4-12 | 2-10-14 | 1-10-6 | 2-9-0 | 1-10-6 | 2-10-14 | 5-4-12 | 1-6-8 |




| 5-4-12 | 17-8-4 | 23-1-0 |
|---|---|---|
| 5-4-12 | 12-3-8 | 5-4-12 |

Plate Offsets (X,Y): [2:0-2-14,0-2-0], [5:0-5-4,0-2-12], [6:0-4-0,0-2-13], [9:0-2-14,0-2-0], [12:0-5-12,0-3-8], [14:0-5-12,0-3-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.63 | Vert(LL) | -0.28 | 12-14 | >970 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.44 | Vert(TL) | -0.47 | 12-14 | >583 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.48 | Horz(TL) | 0.01 | 11 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | Attic | -0.21 | 12-14 | 717 | 360 | Weight: 200 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x6 SYP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W4,W1: 2x4 SP No.2

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-3-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16, 17

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

**REACTIONS** (lb/size) 15=1302/0-3-8 (min. 0-1-15), 11=1302/0-3-8 (min. 0-1-15)
Max Horz 15=356(LC 9)
Max Uplift 15=-217(LC 12), 11=-217(LC 13)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1635/210, 3-4=-1355/349, 6-7=-187/250, 7-8=-1355/349, 8-9=-1635/210, 2-15=-1767/347, 9-11=-1766/347, 5-6=-96/348
BOT CHORD 14-15=-340/361, 13-14=-44/1267, 12-13=-44/1267
WEBS 4-16=-1571/267, 16-17=-1564/267, 7-17=-1594/272, 3-14=-97/488, 8-12=-97/487, 2-14=-31/1278, 9-12=-32/1279

**NOTES** (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 16-17, 7-17; Wall dead load (5.0psf) on member(s).3-14, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 15 and 217 lb uplift at joint 11.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Attic room checked for L/360 deflection.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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

September 21,201

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

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944624 |
|---|---|---|---|---|---|---|
| 439172 | T04 | ATTIC | 1 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055

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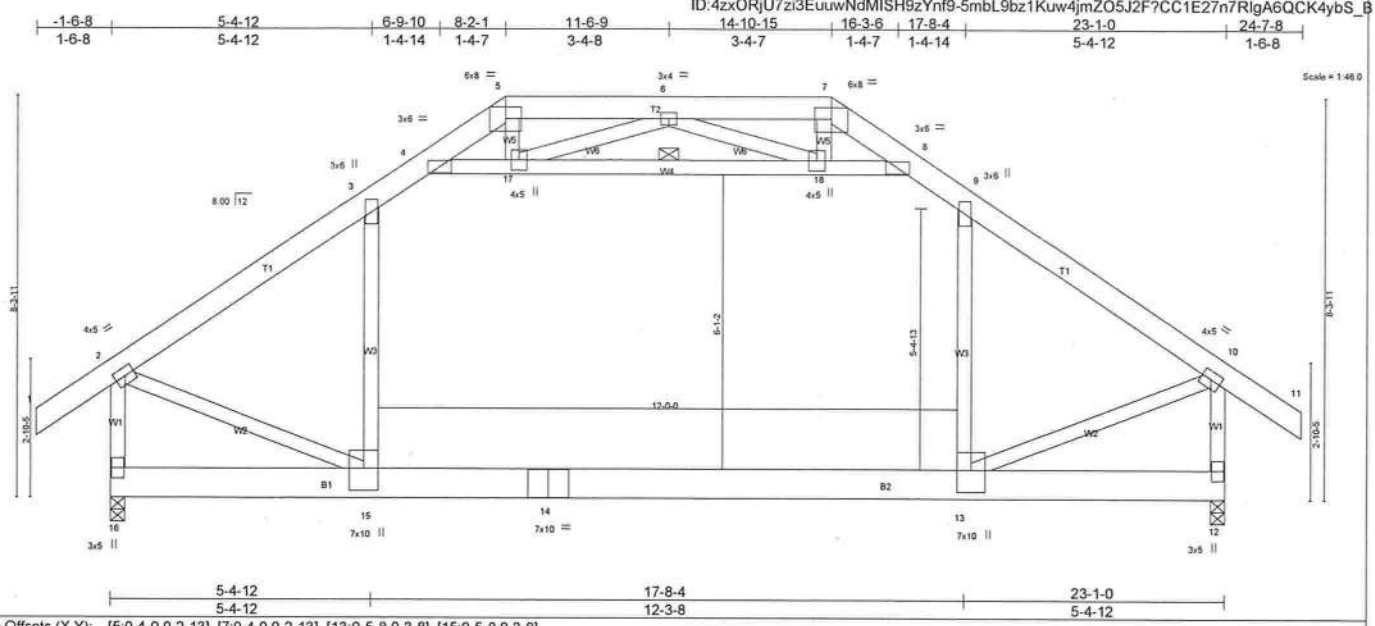


Plate Offsets (X,Y): [5:0-4-0,0-2-13], [7:0-4-0,0-2-13], [13:0-5-8,0-3-8], [15:0-5-8,0-3-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.27 | Vert(LL) | -0.22 | 13-15 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.41 | Vert(TL) | -0.35 | 13-15 | >778 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.99 | Horz(TL) | 0.01 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | Attic | -0.18 | 13-15 | 797 | 360 | Weight: 207 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x6 SYP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W4,W1: 2x4 SP No.2

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-8

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

**REACTIONS** (lb/size) 16=1302/0-3-8 (min. 0-1-15), 12=1302/0-3-8 (min. 0-1-15)
Max Horz 16=-311(LC 8)
Max Uplift 16=-201(LC 12), 12=-201(LC 13)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1648/225, 3-4=-1374/355, 4-5=-487/319, 7-8=-487/318, 8-9=-1374/355, 9-10=-1648/225, 2-16=-1751/358, 10-12=-1751/358, 5-6=-388/336, 6-7=-388/335
BOT CHORD 15-16=-303/310, 14-15=-63/1315, 13-14=-63/1315
WEBS 4-17=-1242/166, 17-18=-892/9, 8-18=-1242/165, 3-15=-102/463, 9-13=-102/463, 2-15=-69/1361, 10-13=-70/1362, 6-17=-368/282, 6-18=-368/282

**NOTES** (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-17, 17-18, 8-18; Wall dead load (5.0psf) on member(s).3-15, 9-13
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 16 and 201 lb uplift at joint 12.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Attic room checked for L/360 deflection.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard


September 21,201

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944625 |
|---|---|---|---|---|---|---|
| 439172 | T05 | DUAL PITCH | 2 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055

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ID:4zxORjU7zi3EuuwNdMISH9zYnf9-19i5aH_IsVAny4jnCk4j4dHHCsqTbUfydQvJPyybS_9

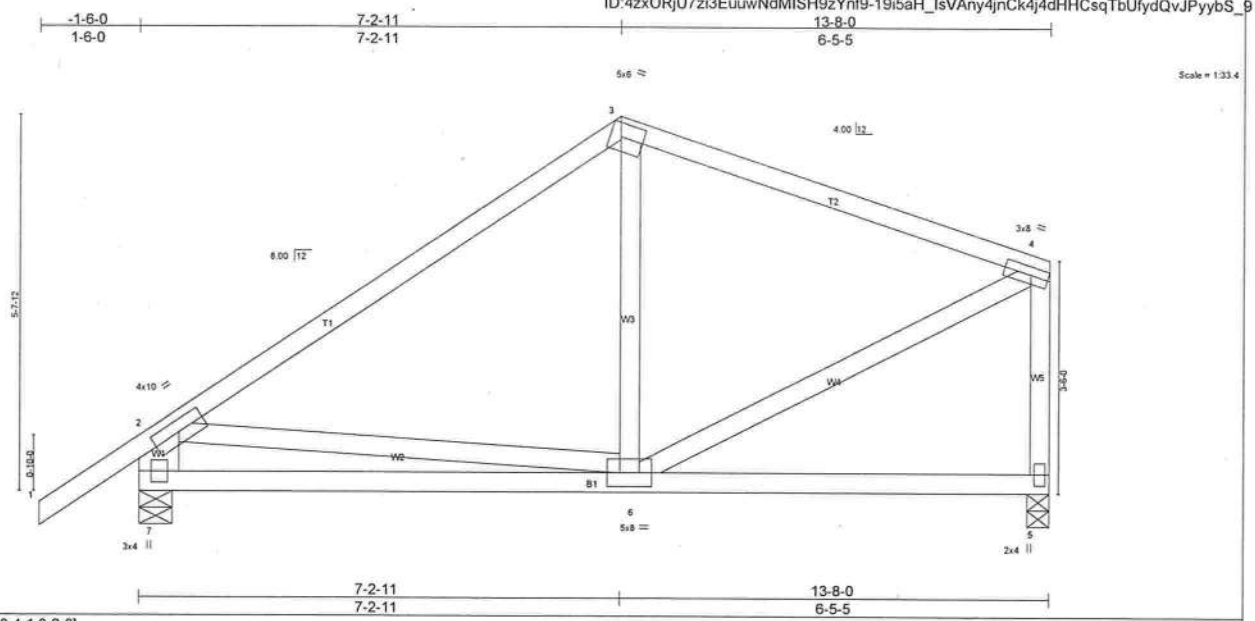


Plate Offsets (X,Y): [3:0-4-1,0-2-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.69 | Vert(LL) | -0.06 | 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.34 | Vert(TL) | -0.11 | 6-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.39 | Horz(TL) | 0.01 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 80 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-8 oc bracing.

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

**REACTIONS** (lb/size) 7=442/0-6-0 (min. 0-1-8), 5=352/0-4-0 (min. 0-1-8)
Max Horz 7=150(LC 12)
Max Uplift 7=-145(LC 12), 5=-130(LC 9)
Max Grav 7=527(LC 2), 5=416(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-507/260, 3-4=-447/259, 2-7=-625/406, 4-5=-488/322
BOT CHORD 6-7=-442/679
WEBS 2-6=-392/263, 4-6=-165/382

**NOTES** (8-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 7 and 130 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) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard


September 21,201

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944626 |
|---|---|---|---|---|---|---|
| 439172 | T06 | DUAL PITCH | 1 | 1 | Job Reference (optional) | |

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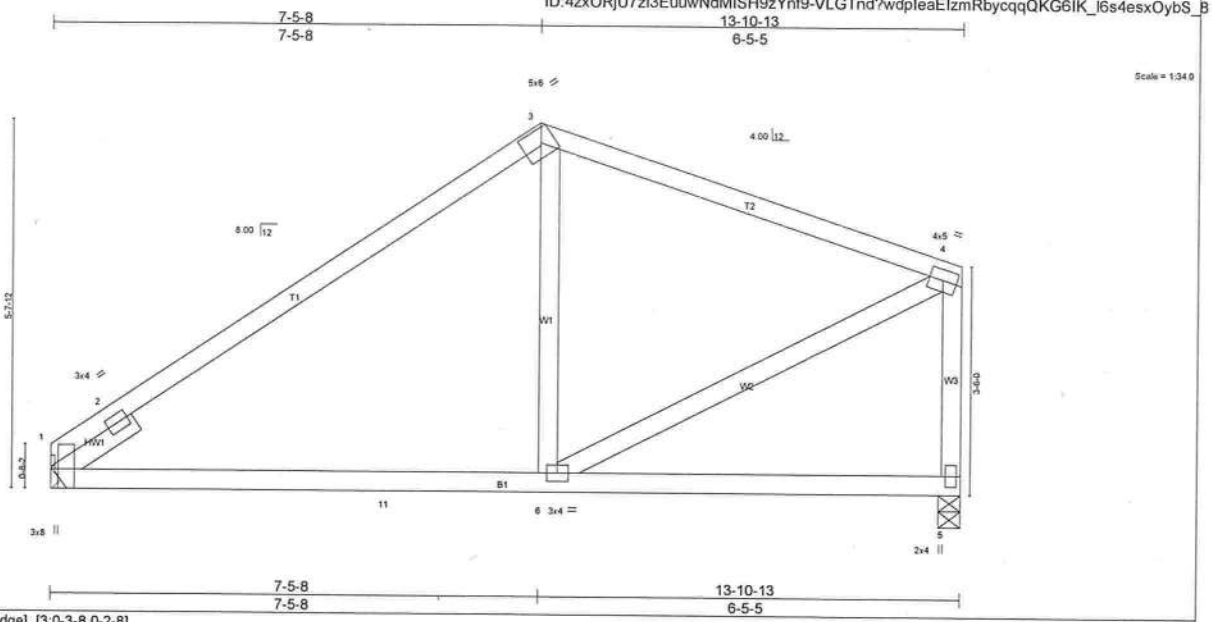


Plate Offsets (X,Y): [1:0-3-8,Edge], [3:0-3-8,0-2-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.79 | Vert(LL) | 0.16 | 6-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.62 | Vert(TL) | -0.23 | 6-9 | >730 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.21 | Horz(TL) | 0.05 | 1 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 69 lb | FT = 20% |

**LUMBER**

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

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-2-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

**REACTIONS** (lb/size) 1=410/Mechanical, 5=405/0-4-0 (min. 0-1-8)
Max Horz 1=135(LC 12)
Max Uplift 1=-112(LC 12), 5=-135(LC 9)
Max Grav 1=445(LC 21), 5=440(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-357/274, 2-3=-593/286, 3-4=-553/296, 4-5=-569/348
BOT CHORD 1-11=-449/609, 6-11=-214/473
WEBS 4-6=-213/508

**NOTES** (8-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 1 and 135 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) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson LSU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard

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

September 21,201

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

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944627 |
|---|---|---|---|---|---|---|
| 439172 | T07 | DUAL PITCH | 1 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055

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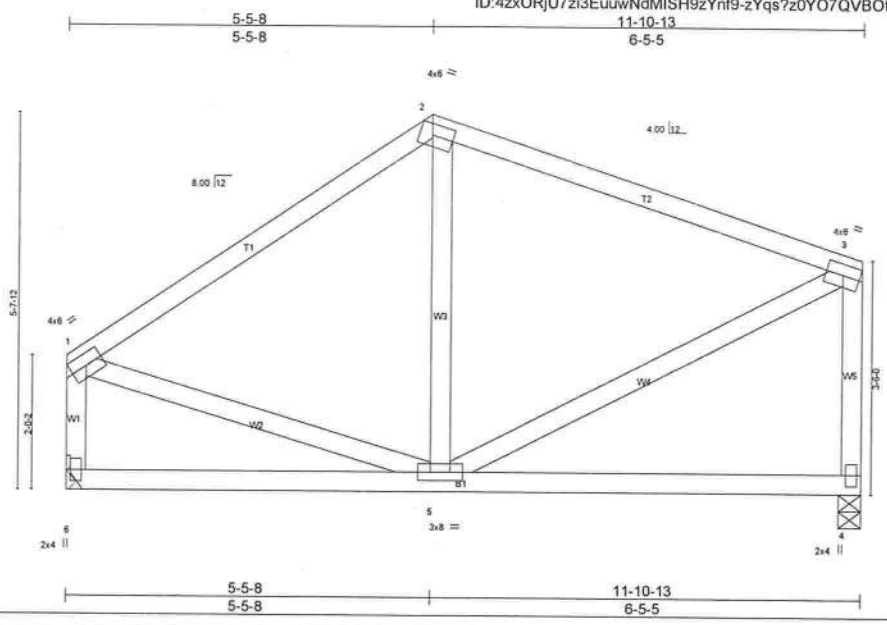


Plate Offsets (X,Y): [2:0-3-11,0-2-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.49 | Vert(LL) | -0.04 | 4-5 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.23 | Vert(TL) | -0.06 | 4-5 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.12 | Horz(TL) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 70 lb | FT = 20% |

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

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

**REACTIONS** (lb/size) 6=314/Mechanical, 4=314/0-4-0 (min. 0-1-8)
Max Horz 6=-85(LC 10)
Max Uplift6=-86(LC 9), 4=-117(LC 9)
Max Grav 6=372(LC 2), 4=372(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-393/231, 2-3=-370/227, 1-6=-428/248, 3-4=-424/301
WEBS 3-5=-123/291

**NOTES** (8-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 6 and 117 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) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson LSU26to attach Truss to Carrying member

**LOAD CASE(S)** Standard


September 21,201

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

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944628 |
|---|---|---|---|---|---|---|
| 439172 | T08 | DUAL PITCH | 1 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055

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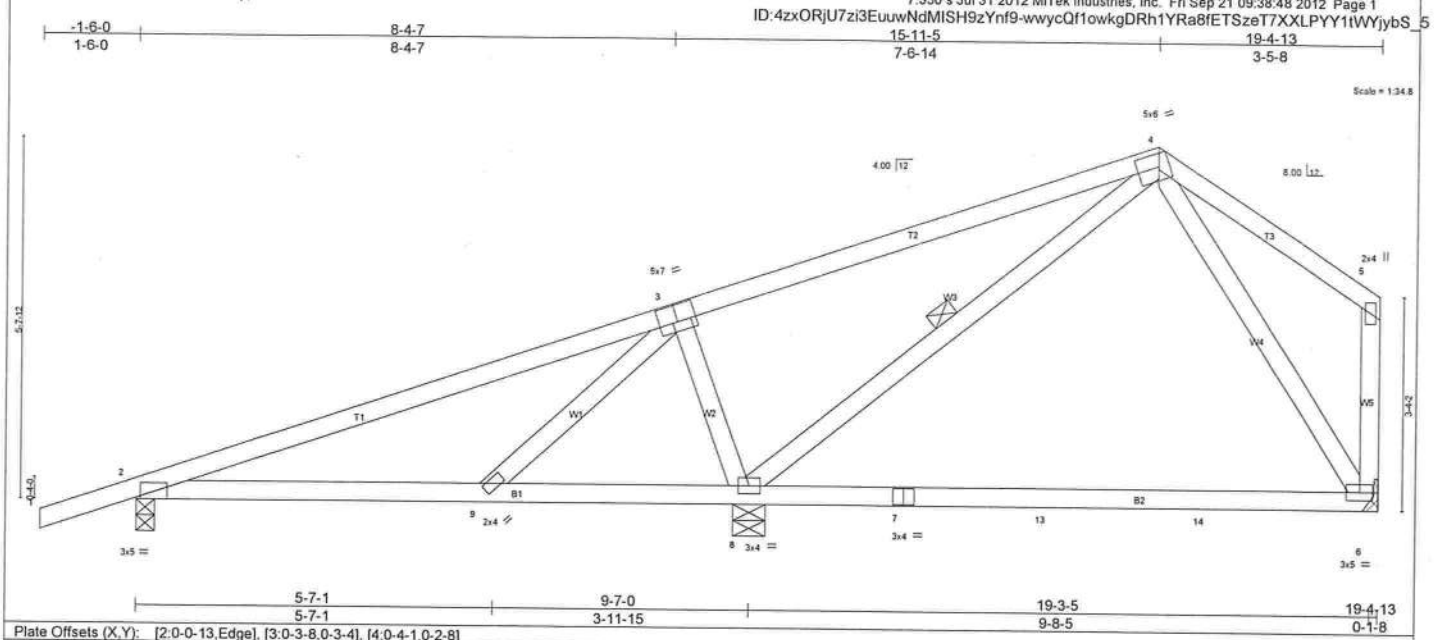



Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-3-8,0-3-4], [4:0-4-1,0-2-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.66 | Vert(LL) | -0.24 | 6-8 | >493 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.58 | Vert(TL) | -0.42 | 6-8 | >281 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.21 | Horz(TL) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 98 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7-1 oc bracing.
WEBS 1 Row at midpt 4-8

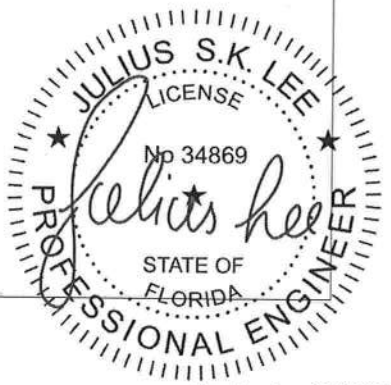
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=312/0-3-8 (min. 0-1-8), 8=592/0-6-0 (min. 0-1-8), 6=277/Mechanical
Max Horz 2=166(LC 8)
Max Uplift 2=-262(LC 8), 8=-385(LC 8), 6=-71(LC 13)
Max Grav 2=376(LC 2), 8=661(LC 2), 6=299(LC 22)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-968/1031
BOT CHORD 2-9=-1275/1112
WEBS 3-9=-499/107, 3-8=-516/673, 4-8=-242/294

**NOTES** (8-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 262 lb uplift at joint 2, 385 lb uplift at joint 8 and 71 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) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson LSU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard




September 21,2012

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | |
|---|---|---|---|---|---|---|
| 439172 | T09 | DUAL PITCH | 1 | 1 | Job Reference (optional) | I5944629 |

Builders FirstSource, Lake City, FL 32055

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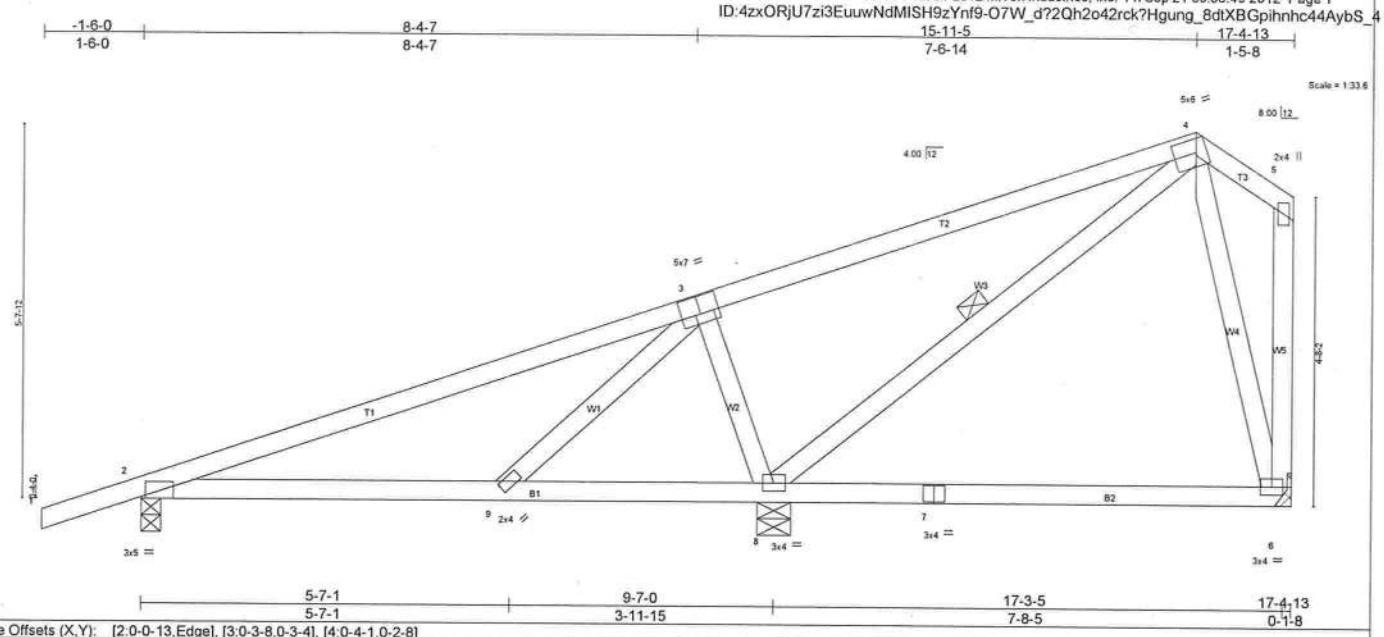


Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-3-8,0-3-4], [4:0-4-1,0-2-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.65 | Vert(LL) | -0.10 | 6-8 | >923 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.36 | Vert(TL) | -0.18 | 6-8 | >524 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.15 | Horz(TL) | -0.00 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 92 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-8

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

**REACTIONS** (lb/size) 2=312/0-3-8 (min. 0-1-8), 8=517/0-6-0 (min. 0-1-8), 6=169/Mechanical
Max Horz 2=200(LC 8)
Max Uplift 2=-149(LC 8), 8=-218(LC 12), 6=-77(LC 8)
Max Grav 2=373(LC 2), 8=611(LC 2), 6=201(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-942/493
BOT CHORD 2-9=-735/1106
WEBS 3-8=-537/463

**NOTES** (8-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 2, 218 lb uplift at joint 8 and 77 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) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson LSU26 to attach Truss to Carrying member

**LOAD CASE(S)** Standard


September 21,2012

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T10 | MONO TRUSS | 1 | 1 | I5944630 |

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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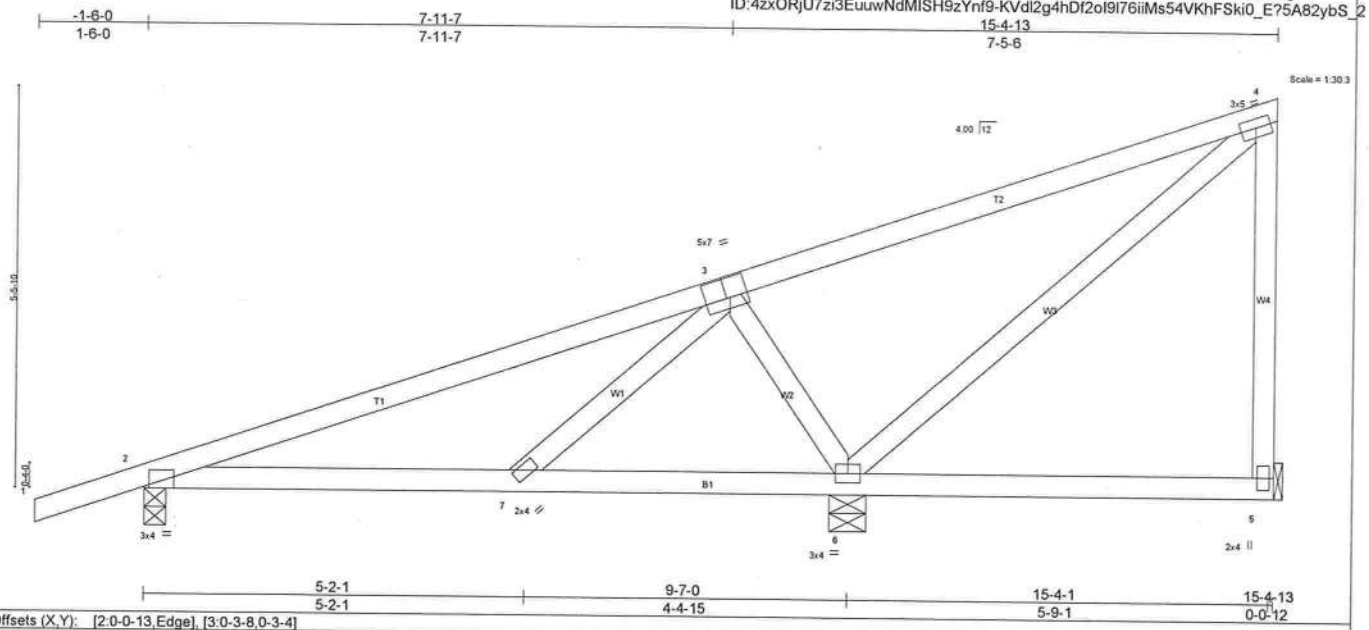



Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-3-8,0-3-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.63 | Vert(LL) | 0.06 | 7-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.25 | Vert(TL) | -0.05 | 5-6 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.22 | Horz(TL) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 78 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-9 oc bracing.

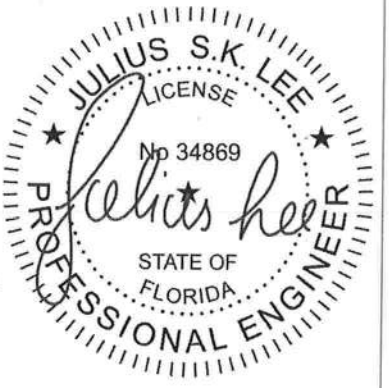
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 5=96/Mechanical, 2=310/0-3-8 (min. 0-1-8), 6=484/0-6-0 (min. 0-1-8)
Max Horz 2=215(LC 8)
Max Uplift5=-72(LC 12), 2=-249(LC 8), 6=-367(LC 8)
Max Grav 5=114(LC 2), 2=371(LC 2), 6=572(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-827/913, 3-4=-276/185
BOT CHORD 2-7=-1189/978
WEBS 3-7=-510/195, 3-6=-551/700, 4-6=-186/273

**NOTES** (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 5, 249 lb uplift at joint 2 and 367 lb uplift at joint 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




September 21,2012



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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T11 | MONO TRUSS | 1 | 1 | I5944631 |

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:38:52 2012 Page 1

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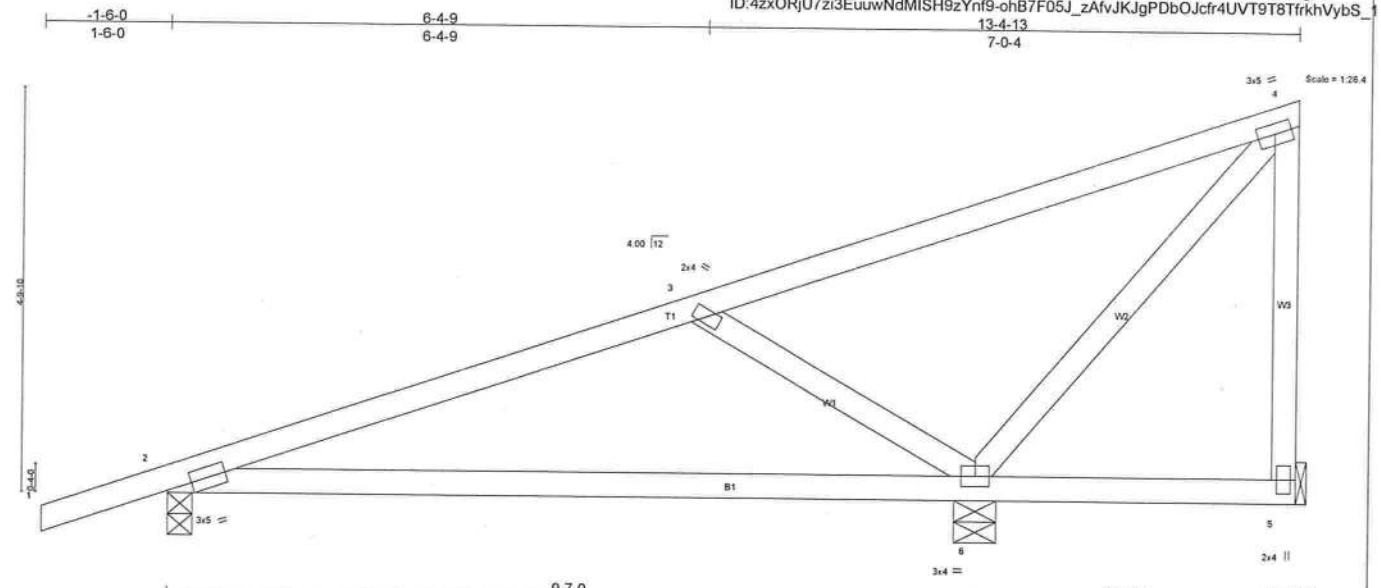



Plate Offsets (X,Y): [2:0-3-9,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.58 | Vert(LL) | 0.46 | 6-9 | >250 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.65 | Vert(TL) | 0.40 | 6-9 | >286 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.21 | Horz(TL) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 63 lb | FT = 20% |

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

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

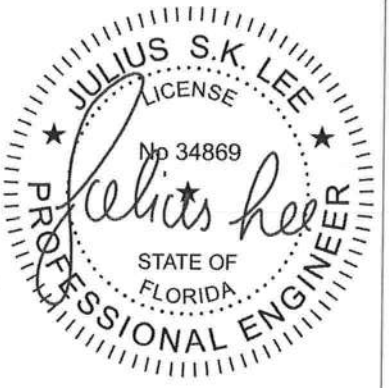
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 5=19/Mechanical, 2=312/0-3-8 (min. 0-1-8), 6=450/0-6-0 (min. 0-1-8)
Max Horz 2=190(LC 8)
Max Uplift 5=-30(LC 12), 2=-266(LC 8), 6=-343(LC 8)
Max Grav 5=33(LC 22), 2=372(LC 2), 6=535(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-784/1584
BOT CHORD 2-6=-1897/896
WEBS 3-6=-577/613, 4-6=-274/184

**NOTES** (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 5, 266 lb uplift at joint 2 and 343 lb uplift at joint 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




September 21,2012



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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T12 | MONO TRUSS | 1 | 1 | I5944632 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, FL 32055

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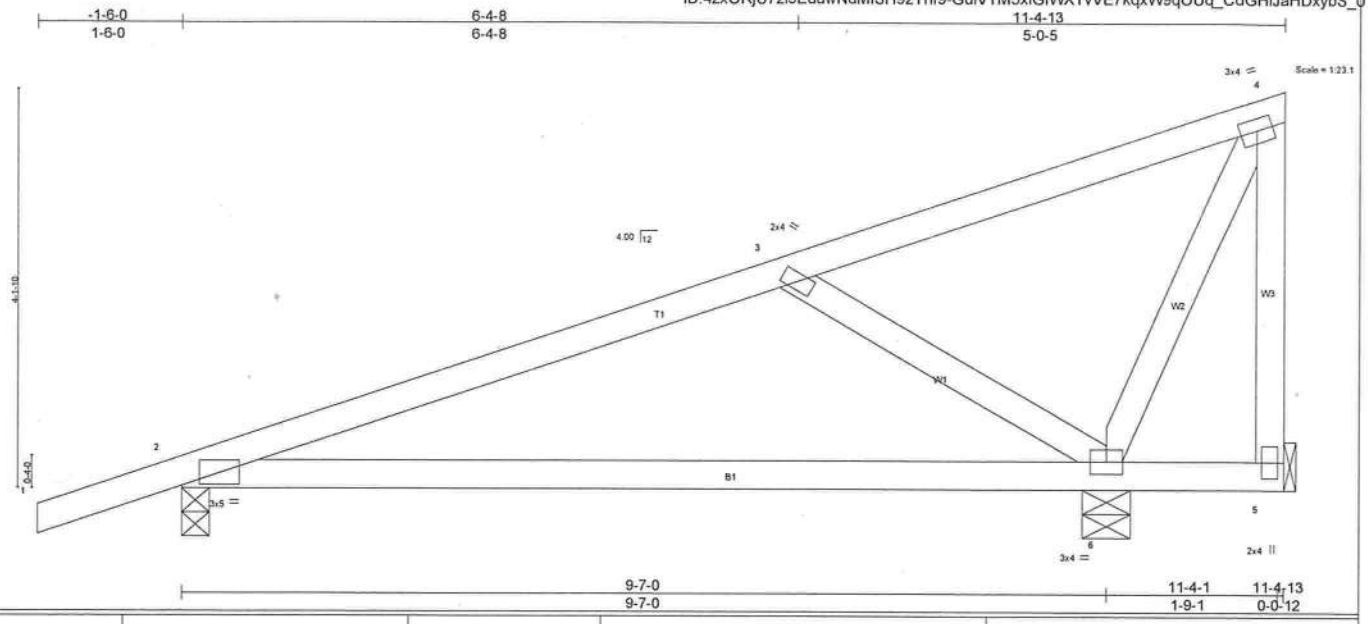


| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.60 | Vert(LL) | 0.42 | 6-9 | >272 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.69 | Vert(TL) | 0.37 | 6-9 | >313 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.17 | Horz(TL) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 54 lb | FT = 20% |

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

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

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

**REACTIONS** (lb/size) 5=-81/Mechanical, 2=323/0-3-8 (min. 0-1-8), 6=432/0-6-0 (min. 0-1-8)
Max Horz 2=166(LC 8)
Max Uplift 5=-99(LC 3), 2=-275(LC 8), 6=-378(LC 8)
Max Grav 5=89(LC 8), 2=386(LC 2), 6=509(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-889/1637
BOT CHORD 2-6=-1948/1017
WEBS 3-6=-480/538

**NOTES** (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 5, 275 lb uplift at joint 2 and 378 lb uplift at joint 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard


September 21,201

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

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T13 | MONO TRUSS | 1 | 1 | I5944633 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, FL 32055

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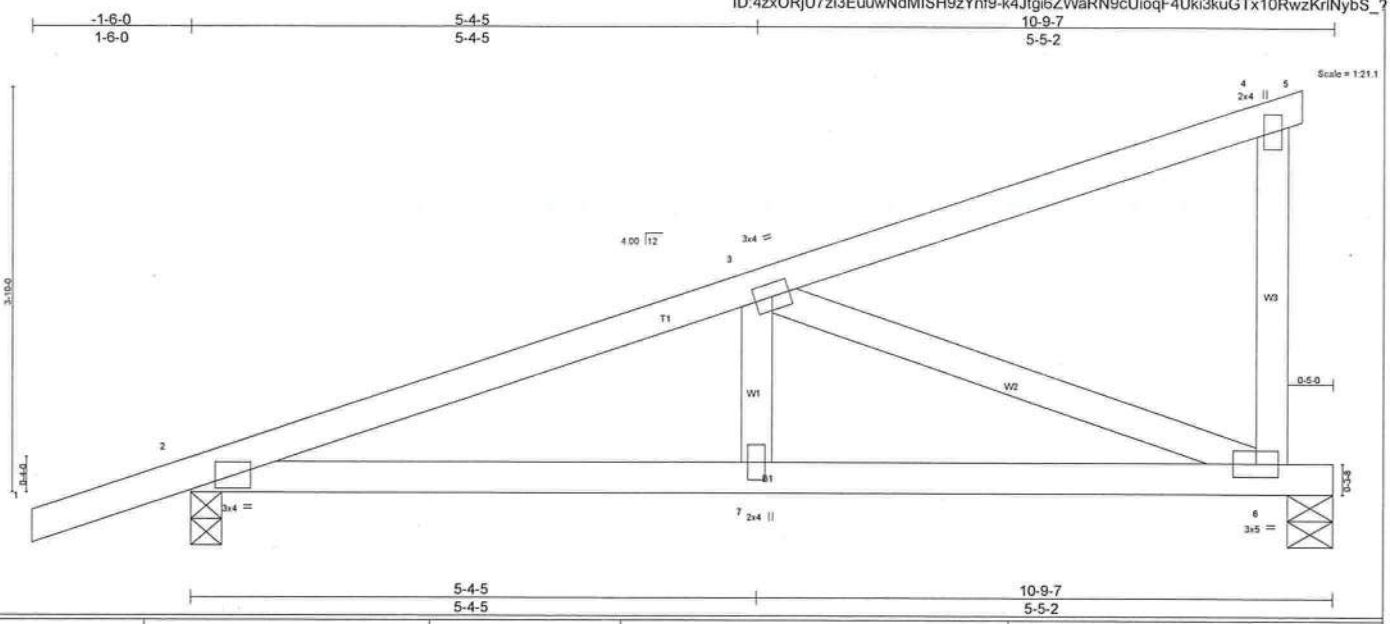


| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.37 | Vert(LL) | 0.08 | 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.23 | Vert(TL) | 0.07 | 6-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.33 | Horz(TL) | -0.02 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 49 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-6 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=355/0-3-8 (min. 0-1-8), 6=267/0-5-0 (min. 0-1-8)
Max Horz 2=156(LC 8)
Max Uplift 2=-303(LC 8), 6=-260(LC 8)
Max Grav 2=423(LC 2), 6=316(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-725/955
BOT CHORD 2-7=-1145/810, 6-7=-1007/581
WEBS 3-7=-339/159, 3-6=-599/1040

**NOTES** (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 2 and 260 lb uplift at joint 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard


September 21,201

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T14 | MONO TRUSS | 1 | 1 | I5944634 |

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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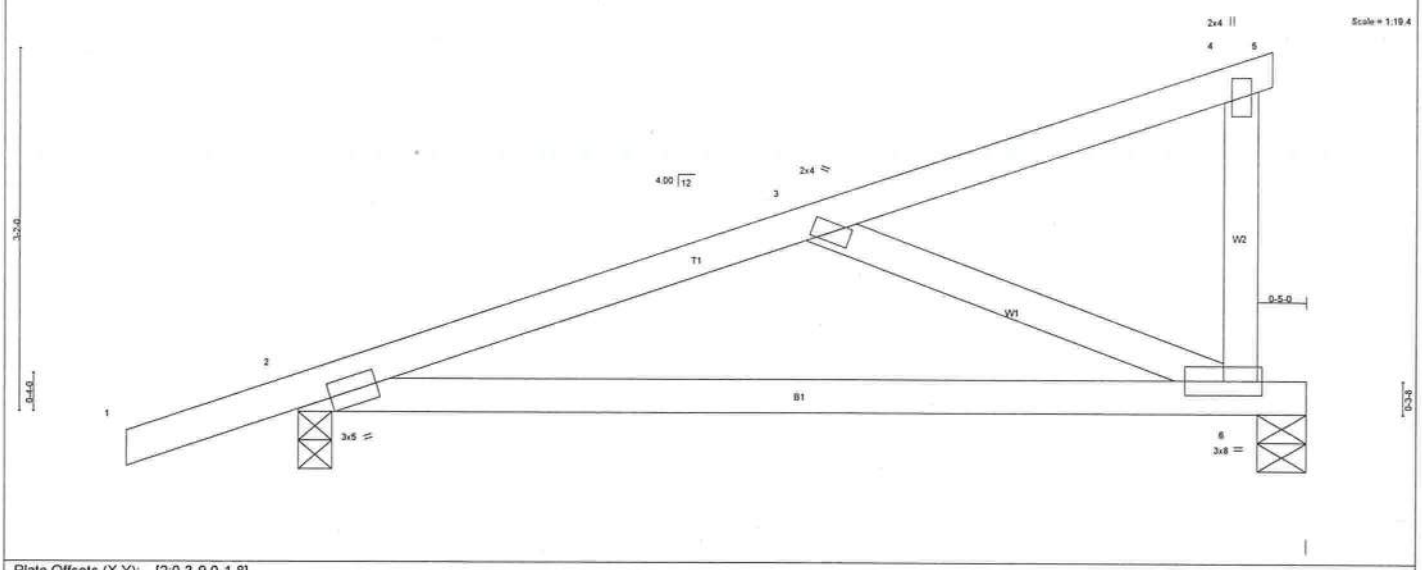


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.48 | Vert(LL) | 0.31 | 6-9 | >322 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.54 | Vert(TL) | 0.27 | 6-9 | >370 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.17 | Horz(TL) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 38 lb | FT = 20% |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-14 oc bracing.

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

**REACTIONS** (lb/size) 2=304/0-3-8 (min. 0-1-8), 6=210/0-5-0 (min. 0-1-8)
Max Horz 2=131(LC 8)
Max Uplift 2=-267(LC 8), 6=-201(LC 8)
Max Grav 2=362(LC 2), 6=249(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-661/1253
BOT CHORD 2-6=-1459/748
WEBS 3-6=-421/531

**NOTES** (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 2 and 201 lb uplift at joint 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard


September 21,201

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T15 | MONO TRUSS | 1 | 1 | I5944635 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, FL 32055

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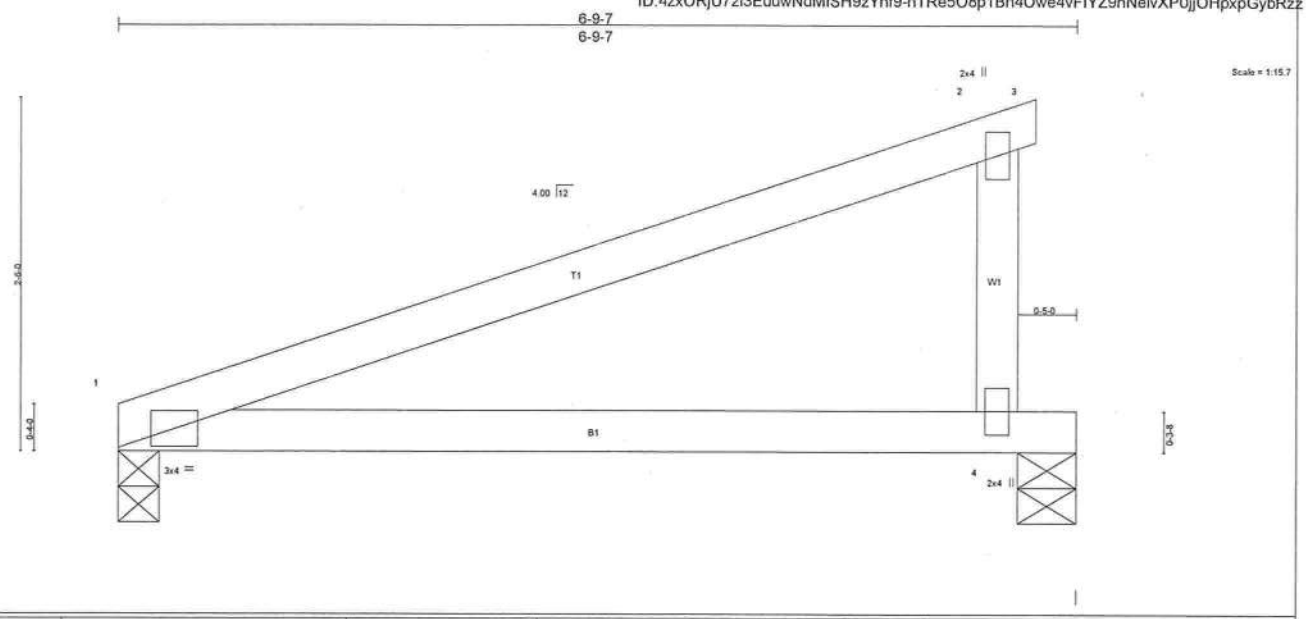


| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.47 | Vert(LL) | 0.19 | 4-7 | >387 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.45 | Vert(TL) | 0.17 | 4-7 | >447 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.01 | 1 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | | | | | | Weight: 23 lb | FT = 20% |

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

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

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

**REACTIONS** (lb/size) 1=200/0-3-8 (min. 0-1-8), 4=140/0-5-0 (min. 0-1-8)
Max Horz 1=79(LC 8)
Max Uplift 1=-165(LC 8), 4=-138(LC 8)
Max Grav 1=237(LC 2), 4=165(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-821/1514
BOT CHORD 1-4=-1827/980

**NOTES** (7-9)
1) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 1 and 138 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
8) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard


September 21,201



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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944636 |
|---|---|---|---|---|---|---|
| 439172 | T16 | ROOF TRUSS | 1 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055

7.350 s Jul 31 2012 MiTek Industries, Inc. Fri Sep 21 09:39:01 2012 Page 1

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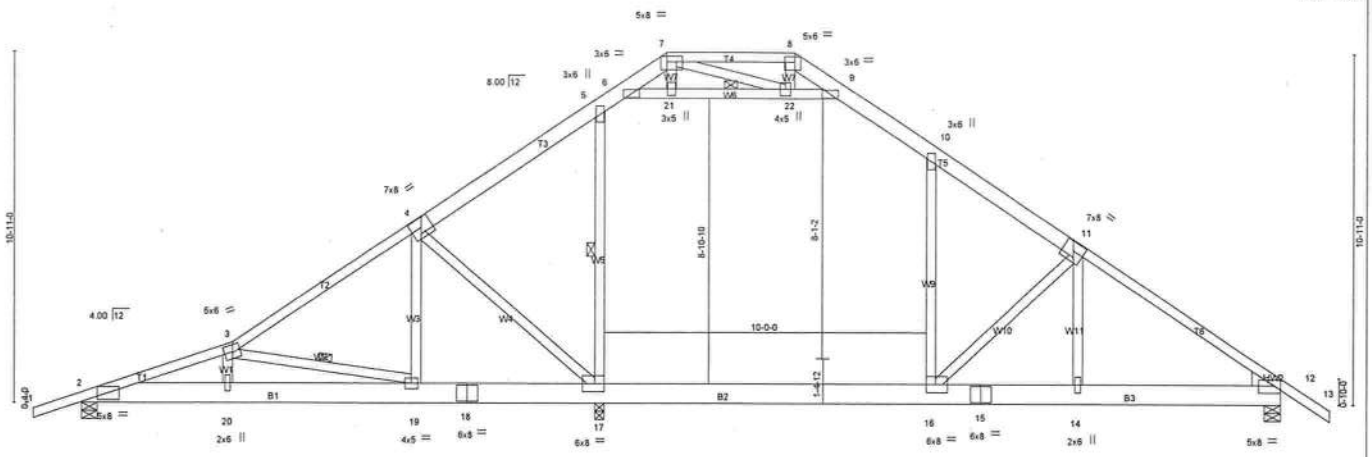
| -1-6-0 | 4-7-15 | 10-4-14 | 16-1-12 | 18-2-8 | 22-2-8 | 26-5-4 | 31-0-4 | 37-4-0 | 38-10-0 |
|---|---|---|---|---|---|---|---|---|---|
| 1-6-0 | 4-7-15 | 5-8-14 | 5-8-14 | 2-0-12 | 4-0-0 | 4-2-12 | 4-7-0 | 6-3-12 | 1-6-0 |

Scale = 1:69.2




| 4-7-15 | 10-4-14 | 16-1-12 | 26-5-4 | 31-0-4 | 37-4-0 |
|---|---|---|---|---|---|
| 4-7-15 | 5-8-14 | 5-8-14 | 10-3-8 | 4-7-0 | 6-3-12 |

Plate Offsets (X,Y): [2:0-5-15,0-0-9], [4:0-4-0,0-3-4], [7:0-5-12,0-2-0], [8:0-3-12,0-2-0], [11:0-4-0,0-3-4], [12:Edge,0-1-4], [16:0-3-8,0-3-0], [17:0-3-8,0-3-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.79 | Vert(LL) | -0.27 | 16-17 | >934 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.45 | Vert(TL) | -0.57 | 16-17 | >446 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.67 | Horz(TL) | 0.03 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | Attic | -0.14 | 16-17 | 869 | 360 | Weight: 288 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SYP M 31 *Except*
T3,T5: 2x6 SYP No.2, T4: 2x4 SP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W6: 2x4 SP No.2

WEDGE
Right: 2x6 SYP No.2

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-7-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-10 oc bracing.
WEBS 1 Row at midpt 3-19, 5-17, 6-9

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

**REACTIONS** (lb/size) 2=1103/0-6-0 (min. 0-1-12), 17=787/0-3-8 (min. 0-1-8), 12=1347/0-6-0 (min. 0-2-2)
Max Horz 2=367(LC 9)
Max Uplift 2=-331(LC 8), 17=-346(LC 12), 12=-440(LC 13)
Max Grav 2=1103(LC 1), 17=997(LC 22), 12=1471(LC 23)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3693/963, 3-4=-2332/573, 4-5=-2025/518, 5-6=-1566/471, 6-7=-190/256, 8-9=-141/304, 9-10=-1656/461, 10-11=-2137/420, 11-12=-2533/531, 7-8=-58/481
BOT CHORD 2-20=-815/3443, 19-20=-822/3440, 18-19=-283/1832, 17-18=-283/1832, 16-17=0/1450, 15-16=-275/1999, 14-15=-275/1999, 12-14=-278/2005
WEBS 3-19=-1709/586, 4-17=-538/447, 5-17=-242/624, 10-16=-66/604, 11-16=-796/463, 6-21=-2050/584, 21-22=-2033/583, 9-22=-2161/574

**NOTES** (12-14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-21, 21-22, 9-22; Wall dead load (5.0psf) on member(s).5-17, 10-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-17
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 331 lb uplift at joint 2, 346 lb uplift at joint 17 and 440 lb uplift at joint 12.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Attic room checked for L/360 deflection.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard


September 21,201

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

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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944637 |
|---|---|---|---|---|---|---|
| 439172 | T16G | GABLE | 1 | 1 | Job Reference (optional) | |

Builders FirstSource, Lake City, FL 32055

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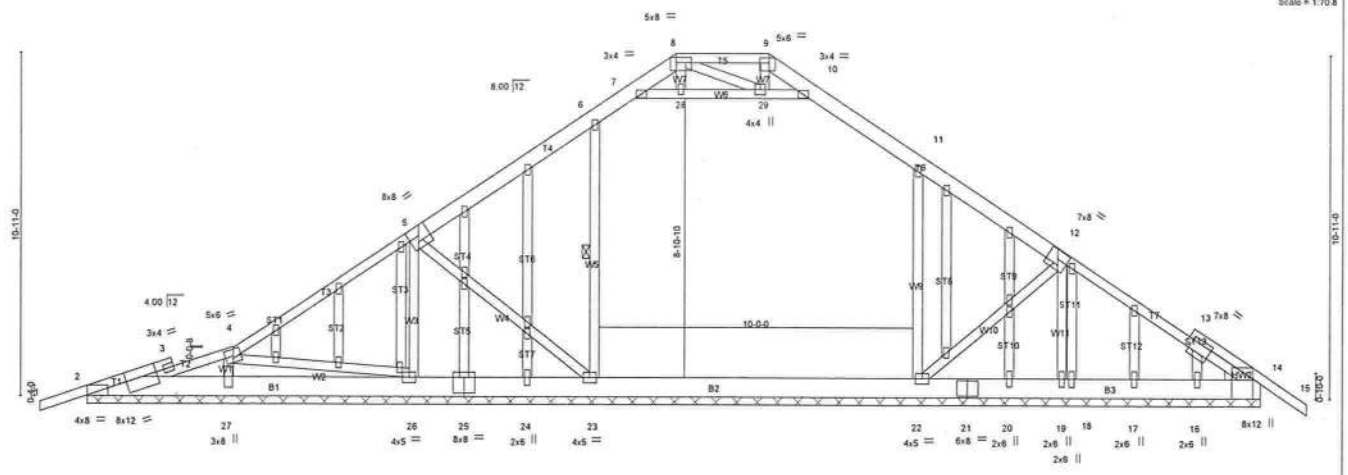
ID:4zxORjU7zi3EuuwNdMISH9zYnf9-G9Hw1AlbkVS544imkBYq75MotLIbh96ncSChISybRzI

| 1-6-0 | 4-7-15 | 10-4-14 | 16-1-12 | 18-8-12 | 21-8-3 | 26-5-4 | 31-0-4 | 37-4-0 | 38-10-0 |
|---|---|---|---|---|---|---|---|---|---|
| 1-6-0 | 4-7-15 | 5-8-14 | 5-8-14 | 2-7-0 | 2-11-7 | 4-9-1 | 4-7-0 | 6-3-12 | 1-6-0 |

Scale = 1:70.8




| 4-7-15 | 10-4-14 | 16-1-12 | 26-5-4 | 31-0-4 | 37-4-0 |
|---|---|---|---|---|---|
| 4-7-15 | 5-8-14 | 5-8-14 | 10-3-8 | 4-7-0 | 6-3-12 |

Plate Offsets (X,Y): [2:1-0-13,Edge], [8:0-5-12,0-2-0], [9:0-3-12,0-2-0], [12:0-4-0,0-3-4], [14:0-7-4,Edge], [25:0-4-0,0-6-0], [30:1-7-15,0-1-8], [41:0-2-0,0-0-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.35 | Vert(LL) | 0.00 | 15 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.14 | Vert(TL) | 0.00 | 14-15 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.77 | Horz(TL) | 0.01 | 14 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix) | | | | | | | Weight: 341 lb | FT = 20% |

**LUMBER**

TOP CHORD 2x4 SYP M 31 *Except* T4,T6: 2x6 SYP No.2, T5: 2x4 SP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except* W6: 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Right: 2x4 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 1 Row at midpt 6-23

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

**REACTIONS** All bearings 37-4-0.
(lb) - Max Horz 2=368(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 17 except 2=-322(LC 8), 27=-387(LC 12), 26=-348(LC 12), 23=-322(LC 12), 22=-405(LC 13), 19=-181(LC 13), 14=-176(LC 9), 16=-315(LC 13), 18=-147(LC 18), 20=-252(LC 18), 24=-223(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 17, 18 except 2=411(LC 2), 27=883(LC 2), 26=719(LC 22), 23=977(LC 22), 22=1023(LC 23), 19=699(LC 23), 14=581(LC 2), 16=416(LC 23)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-263/95, 4-5=-768/321, 5-6=-945/388, 6-7=-912/469, 7-8=-579/270, 9-10=-606/280, 10-11=-993/461, 11-12=-850/299, 12-13=-636/201, 13-14=-848/247, 8-9=-533/265
BOT CHORD 2-27=-153/287, 26-27=-193/356, 25-26=-269/570, 24-25=-269/570, 23-24=-269/570, 22-23=-190/615, 21-22=-152/511, 20-21=-152/511, 19-20=-152/511, 18-19=-148/498, 17-18=-148/498, 16-17=-148/498, 14-16=-148/498
WEBS 4-27=-997/498, 4-26=-102/264, 5-26=-921/443, 6-23=-608/249, 11-22=-787/322, 12-19=-687/302, 7-28=-329/272, 28-29=-321/271

**NOTES** (16-18)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
10) Ceiling dead load (5.0 psf) on member(s). 6-7, 10-11, 7-28, 28-29, 10-29; Wall dead load (5.0psf) on member(s).6-23, 11-22
11) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.

Continued on page 2

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

September 21,201



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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. |
|---|---|---|---|---|---|
| 439172 | T16G | GABLE | 1 | 1 | I5944637 |
| | | | | | Job Reference (optional) |



**NOTES** (16-18)

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 2=322, 27=387, 26=348, 23=322, 22=405, 19=181, 14=176, 16=315, 18=147, 20=252, 24=223.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Attic room checked for L/360 deflection.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
16) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
17) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
18) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-82(F=-38), 4-6=-82(F=-38), 6-7=-92(F=-38), 7-8=-82(F=-38), 9-10=-82(F=-38), 10-11=-92(F=-38), 11-15=-82(F=-38), 2-23=-10, 22-23=-40, 14-22=-10, 8-9=-82(F=-38), 7-10=-10
   Drag: 6-23=-10, 11-22=-10



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

| Job | Truss | Truss Type | Qty | Ply | PAPKA RES. | I5944638 |
|---|---|---|---|---|---|---|
| 439172 | T17 | ROOF TRUSS | 4 | 1 | Job Reference (optional) | |

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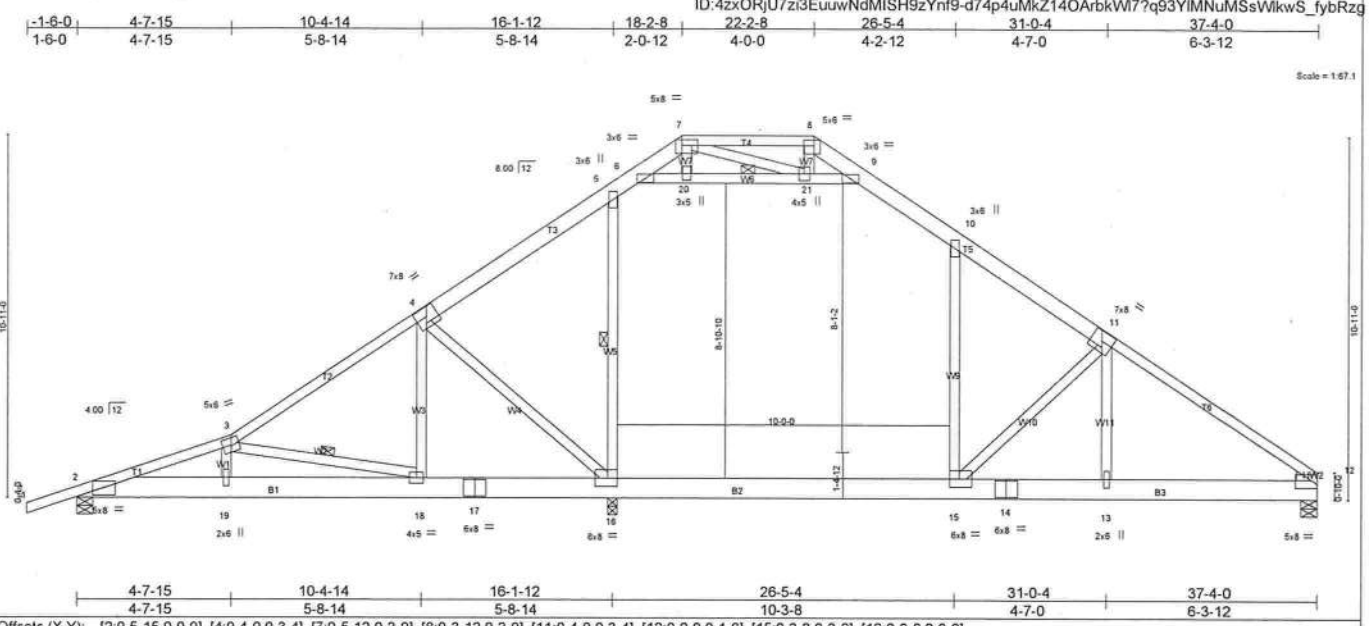


Plate Offsets (X,Y): [2:0-5-15,0-0-9], [4:0-4-0,0-3-4], [7:0-5-12,0-2-0], [8:0-3-12,0-2-0], [11:0-4-0,0-3-4], [12:0-0-0,0-1-8], [15:0-3-8,0-3-0], [16:0-3-8,0-3-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.79 | Vert(LL) | -0.27 | 15-16 | >931 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.45 | Vert(TL) | -0.57 | 15-16 | >445 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.68 | Horz(TL) | 0.03 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2010/TPI2007 | | (Matrix-M) | | Attic | -0.14 | 15-16 | 866 | 360 | Weight: 285 lb | FT = 20% |

**LUMBER**
TOP CHORD 2x4 SYP M 31 *Except*
T3,T5: 2x6 SYP No.2, T4: 2x4 SP No.2
BOT CHORD 2x8 SYP DSS
WEBS 2x4 SP No.3 *Except*
W6: 2x4 SP No.2
WEDGE
Right: 2x4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-2 oc bracing.
WEBS 1 Row at midpt 3-18, 5-16, 6-9

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

**REACTIONS** (lb/size) 2=1106/0-6-0 (min. 0-1-12), 16=785/0-3-8 (min. 0-1-8), 12=1280/0-6-0 (min. 0-2-0)
Max Horz 2=299(LC 9)
Max Uplift 2=-189(LC 8), 16=-168(LC 9), 12=-160(LC 13)
Max Grav 2=1118(LC 23), 16=972(LC 22), 12=1416(LC 23)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3703/969, 3-4=-2338/577, 4-5=-2028/457, 5-6=-1568/473, 9-10=-1658/463, 10-11=-2140/424, 11-12=-2539/544, 7-8=-49/427
BOT CHORD 2-19=-895/3478, 18-19=-901/3475, 17-18=-328/1812, 16-17=-328/1812, 15-16=-24/1427, 14-15=-328/1979, 13-14=-328/1979, 12-13=-331/1985
WEBS 3-18=-1712/587, 4-16=-537/423, 5-16=-175/579, 10-15=-46/606, 11-15=-802/442, 6-20=-2053/493, 20-21=-2036/492, 9-21=-2165/476

**NOTES** (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=27ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 5-6, 9-10, 6-20, 20-21, 9-21; Wall dead load (5.0psf) on member(s).5-16, 10-15
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-16
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=189, 16=168, 12=160.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Attic room checked for L/360 deflection.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Note: Visually graded lumber designation SPp, represents new lumber design values as per SPIB.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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

September 21,201

*WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design 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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