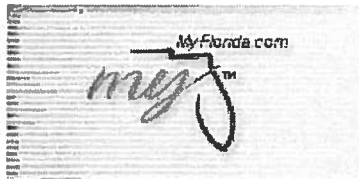


|                                                                                                                                                                             |          |                   |           |                                                      |          |                    |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|-----------|------------------------------------------------------|----------|--------------------|-----------|
| <b>Project Information for:</b>                                                                                                                                             |          |                   |           | L142258                                              |          |                    |           |
| Builder:                                                                                                                                                                    |          |                   |           | HUGO ESCALANTE                                       |          | Date: 12/9/2005    |           |
| Lot:                                                                                                                                                                        |          |                   |           | LOT 23 ROLLING MEADOWS                               |          | Start Number: 1237 |           |
| Subdivision:                                                                                                                                                                |          |                   |           | N/A                                                  |          |                    |           |
| County or City:                                                                                                                                                             |          |                   |           | COLUMBIA COUNTY                                      |          |                    |           |
| Truss Page Count:                                                                                                                                                           |          |                   |           | 45                                                   |          |                    |           |
| <b>Truss Design Load Information (UNO)</b>                                                                                                                                  |          |                   |           | Design Program: MiTek 5.2 / 6.2                      |          |                    |           |
| <b>Gravity</b>                                                                                                                                                              |          | <b>Wind</b>       |           | <b>Building Code:</b>                                |          | FBC2004            |           |
| Roof (psf):                                                                                                                                                                 | 42       | Wind Standard:    | ASCE 7-02 |                                                      |          |                    |           |
| Floor (psf):                                                                                                                                                                | 55       | Wind Speed (mph): | 120       |                                                      |          |                    |           |
| Note: See individual truss drawings for special loading conditions                                                                                                          |          |                   |           |                                                      |          |                    |           |
| <b>Building Designer, responsible for Structural Engineering: (See attached)</b>                                                                                            |          |                   |           |                                                      |          |                    |           |
| Address: ESCALANTE, HUGO CRC 1326967                                                                                                                                        |          |                   |           |                                                      |          |                    |           |
| P.O. BOX 280                                                                                                                                                                |          |                   |           |                                                      |          |                    |           |
| FORT WHITE, FL. 32038                                                                                                                                                       |          |                   |           | Designer:                                            |          | 28                 |           |
| <b>Truss Design Engineer:</b> Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987                                                                               |          |                   |           |                                                      |          |                    |           |
| Company:                                                                                                                                                                    |          |                   |           | Structural Engineering and Inspections, Inc. EB 9196 |          |                    |           |
| Address:                                                                                                                                                                    |          |                   |           | 16105 N. Florida Ave, Ste B, Lutz, FL 33549          |          |                    |           |
| Notes:                                                                                                                                                                      |          |                   |           |                                                      |          |                    |           |
| 1. Truss Design Engineer is responsible for the individual trusses as components only.                                                                                      |          |                   |           |                                                      |          |                    |           |
| 2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI |          |                   |           |                                                      |          |                    |           |
| 3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.                                                             |          |                   |           |                                                      |          |                    |           |
| 4. Trusses designed for vertical loads only, unless noted otherwise.                                                                                                        |          |                   |           |                                                      |          |                    |           |
| #                                                                                                                                                                           | Truss ID | Dwg. #            | Seal Date | #                                                    | Truss ID | Dwg. #             | Seal Date |
| 1                                                                                                                                                                           | CJ1      | 1209051237        | 12/9/2005 | 41                                                   | T26      | 1209051277         | 12/9/2005 |
| 2                                                                                                                                                                           | CJ3      | 1209051238        | 12/9/2005 | 42                                                   | T26G     | 1209051278         | 12/9/2005 |
| 3                                                                                                                                                                           | CJ4      | 1209051239        | 12/9/2005 | 43                                                   | T27      | 1209051279         | 12/9/2005 |
| 4                                                                                                                                                                           | CJ5      | 1209051240        | 12/9/2005 | 44                                                   | T27G     | 1209051280         | 12/9/2005 |
| 5                                                                                                                                                                           | EJ6      | 1209051241        | 12/9/2005 | 45                                                   | T28      | 1209051281         | 12/9/2005 |
| 6                                                                                                                                                                           | EJ7      | 1209051242        | 12/9/2005 |                                                      |          |                    |           |
| 7                                                                                                                                                                           | EJ7A     | 1209051243        | 12/9/2005 |                                                      |          |                    |           |
| 8                                                                                                                                                                           | EJ7B     | 1209051244        | 12/9/2005 |                                                      |          |                    |           |
| 9                                                                                                                                                                           | EJ7G     | 1209051245        | 12/9/2005 |                                                      |          |                    |           |
| 10                                                                                                                                                                          | EJ7T     | 1209051246        | 12/9/2005 |                                                      |          |                    |           |
| 11                                                                                                                                                                          | HJ4      | 1209051247        | 12/9/2005 |                                                      |          |                    |           |
| 12                                                                                                                                                                          | HJ7      | 1209051248        | 12/9/2005 |                                                      |          |                    |           |
| 13                                                                                                                                                                          | HJ9      | 1209051249        | 12/9/2005 |                                                      |          |                    |           |
| 14                                                                                                                                                                          | T01      | 1209051250        | 12/9/2005 |                                                      |          |                    |           |
| 15                                                                                                                                                                          | T02      | 1209051251        | 12/9/2005 |                                                      |          |                    |           |
| 16                                                                                                                                                                          | T03      | 1209051252        | 12/9/2005 |                                                      |          |                    |           |
| 17                                                                                                                                                                          | T03A     | 1209051253        | 12/9/2005 |                                                      |          |                    |           |
| 18                                                                                                                                                                          | T05      | 1209051254        | 12/9/2005 |                                                      |          |                    |           |
| 19                                                                                                                                                                          | T06      | 1209051255        | 12/9/2005 |                                                      |          |                    |           |
| 20                                                                                                                                                                          | T07      | 1209051256        | 12/9/2005 |                                                      |          |                    |           |
| 21                                                                                                                                                                          | T08      | 1209051257        | 12/9/2005 |                                                      |          |                    |           |
| 22                                                                                                                                                                          | T09      | 1209051258        | 12/9/2005 |                                                      |          |                    |           |
| 23                                                                                                                                                                          | T10      | 1209051259        | 12/9/2005 |                                                      |          |                    |           |
| 24                                                                                                                                                                          | T11      | 1209051260        | 12/9/2005 |                                                      |          |                    |           |
| 25                                                                                                                                                                          | T12      | 1209051261        | 12/9/2005 |                                                      |          |                    |           |
| 26                                                                                                                                                                          | T13      | 1209051262        | 12/9/2005 |                                                      |          |                    |           |
| 27                                                                                                                                                                          | T13A     | 1209051263        | 12/9/2005 |                                                      |          |                    |           |
| 28                                                                                                                                                                          | T14      | 1209051264        | 12/9/2005 |                                                      |          |                    |           |
| 29                                                                                                                                                                          | T15      | 1209051265        | 12/9/2005 |                                                      |          |                    |           |
| 30                                                                                                                                                                          | T16      | 1209051266        | 12/9/2005 |                                                      |          |                    |           |
| 31                                                                                                                                                                          | T17      | 1209051267        | 12/9/2005 |                                                      |          |                    |           |
| 32                                                                                                                                                                          | T18      | 1209051268        | 12/9/2005 |                                                      |          |                    |           |
| 33                                                                                                                                                                          | T19      | 1209051269        | 12/9/2005 |                                                      |          |                    |           |
| 34                                                                                                                                                                          | T19A     | 1209051270        | 12/9/2005 |                                                      |          |                    |           |
| 35                                                                                                                                                                          | T20      | 1209051271        | 12/9/2005 |                                                      |          |                    |           |
| 36                                                                                                                                                                          | T21      | 1209051272        | 12/9/2005 |                                                      |          |                    |           |
| 37                                                                                                                                                                          | T22      | 1209051273        | 12/9/2005 |                                                      |          |                    |           |
| 38                                                                                                                                                                          | T23      | 1209051274        | 12/9/2005 |                                                      |          |                    |           |
| 39                                                                                                                                                                          | T24      | 1209051275        | 12/9/2005 |                                                      |          |                    |           |
| 40                                                                                                                                                                          | T25      | 1209051276        | 12/9/2005 |                                                      |          |                    |           |

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02:00:39 PM 10/6/2004

**Licensee Details****Licensee Information**

Name: **ESCALANTE, HUGO (Primary Name)**  
EWPL INC (DBA Name)  
Main Address: **P.O. BOX 280**  
**FORT WHITE, Florida 32038**

**License Information**

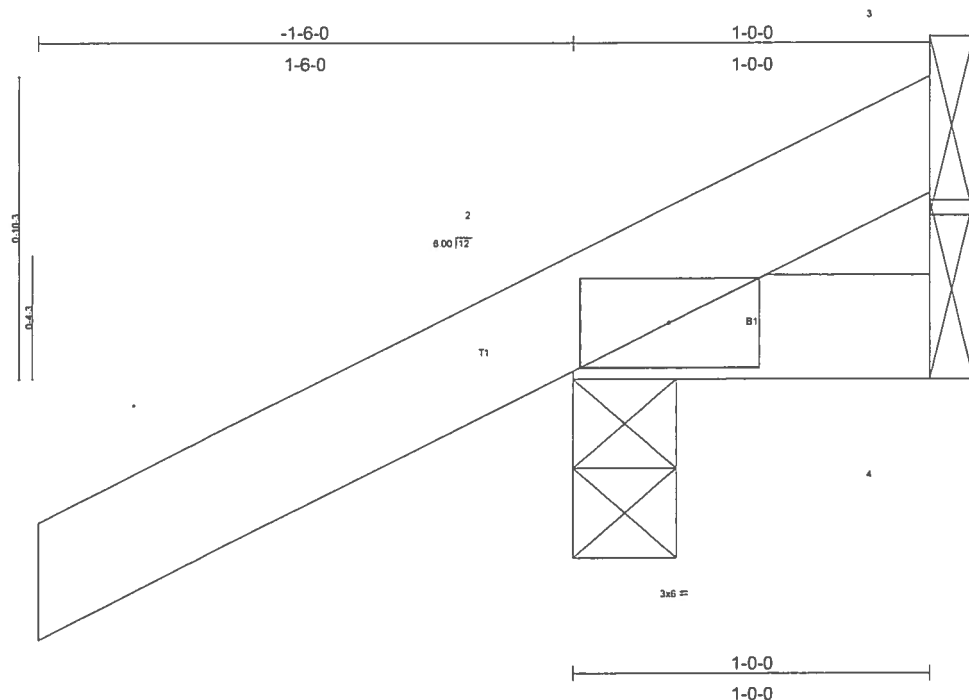
License Type: **Certified Residential Contractor**  
Rank: **Cert Residential**  
License Number: **CRC1326967**  
Status: **Current, Active**  
Licensure Date: **11/24/2003**  
Expires: **08/31/2006**

| Special Qualifications | Effective Date |
|------------------------|----------------|
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|-------------------------------------|------------|

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|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | CJ1   | MONO TRUSS | 6                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:39 2005 Page 1 |     |                              |



| LOADING (psf) | SPACING              | CSI      | DEFL                      | PLATES       | GRIP    |
|---------------|----------------------|----------|---------------------------|--------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.19  | In (loc) l/def L/d        | MT20         | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.01  | Vert(LL) -0.00 2 >999 240 |              |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.00  | Vert(TL) -0.00 2 >999 180 |              |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) | Horz(TL) 0.00 3 n/a n/a   |              |         |
|               | Code FBC2004/TPI2002 |          |                           | Weight: 6 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.

**REACTIONS** (lb/size) 2=189/0-3-8, 4=14/Mechanical, 3=-40/Mechanical

Max Horz 2=84(load case 5)  
Max Uplift 2=-220(load case 5), 3=-40(load case 1)  
Max Grav 2=189(load case 1), 4=14(load case 1), 3=73(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension

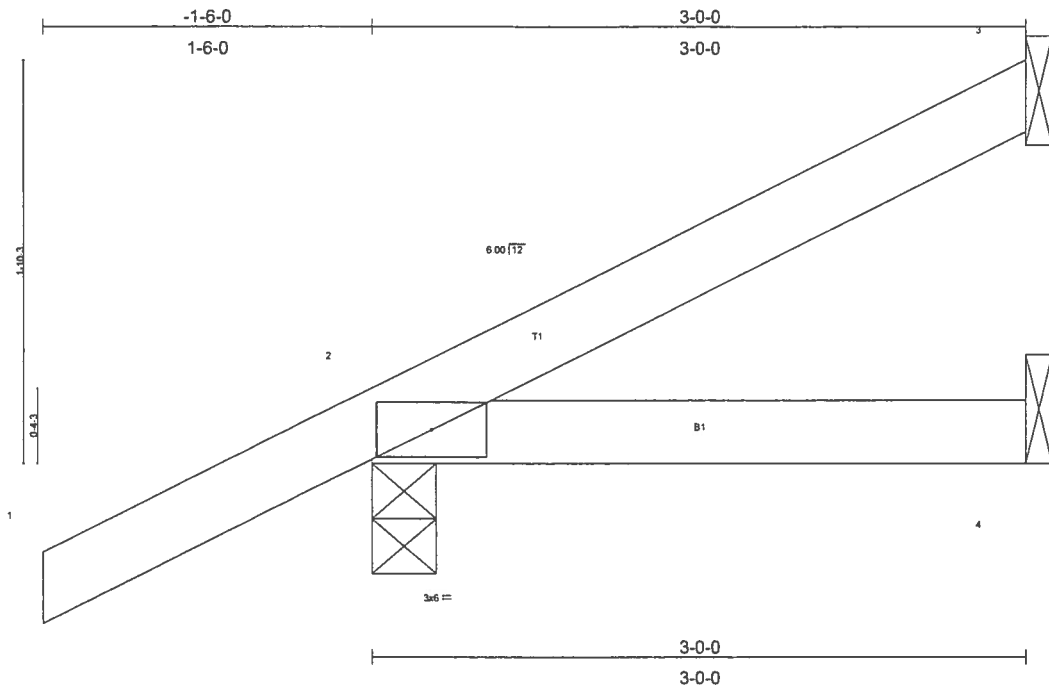
TOP CHORD 1-2=0/35, 2-3=-45/41  
BOT CHORD 2-4=0/0

**NOTES**

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 220 lb uplift at joint 2 and 40 lb uplift at joint 3.

**LOAD CASE(S)** Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | CJ3   | MONO TRUSS | 6                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:40 2005 Page 1 |     |                              |



|                      |                      |            |                                 |               |             |
|----------------------|----------------------|------------|---------------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.21    | Vert(LL) -0.00 2-4 >999 240     | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.06    | Vert(TL) -0.01 2-4 >999 180     |               |             |
| BCLL 10.0            | Rep Stress Incr YES  | WB 0.00    | Horz(TL) -0.00 3 n/a n/a        |               |             |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                                 |               |             |
|                      |                      |            |                                 | Weight: 12 lb |             |

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

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

**REACTIONS** (lb/size) 3=49/Mechanical, 2=232/0-3-8, 4=42/Mechanical  
Max Horz 2=137(load case 5)  
Max Uplift3=-47(load case 5), 2=-187(load case 5)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 1-2=0/35, 2-3=-52/16  
**BOT CHORD** 2-4=0/0

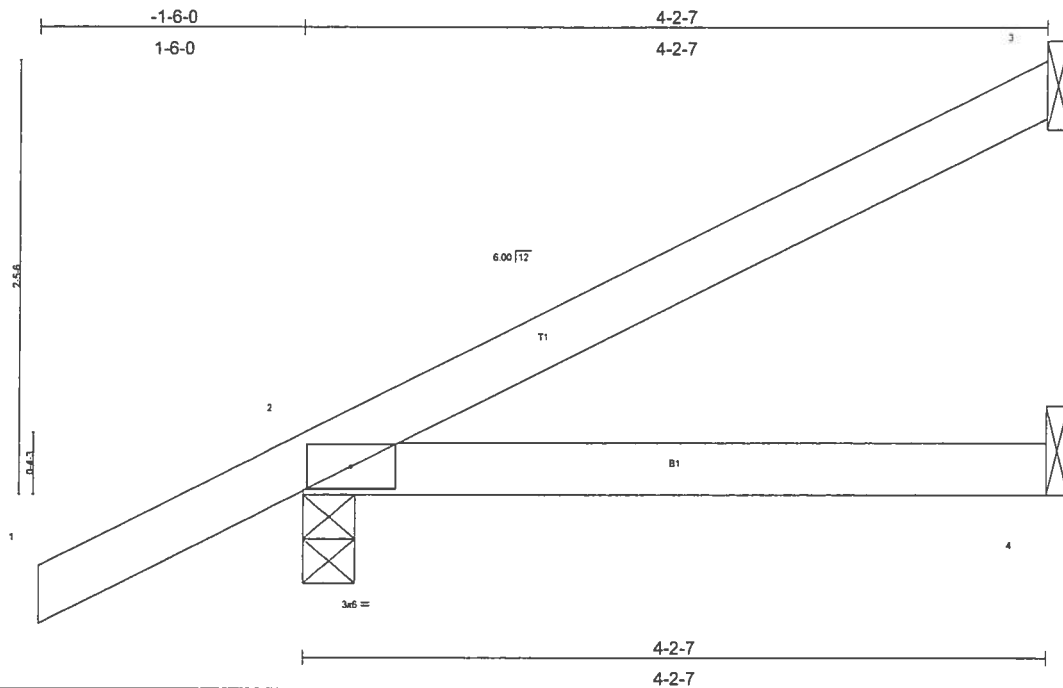
## NOTES

NOTES

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3 and 187 lb uplift at joint 2.

LOAD CASE(S) Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | CJ4   | MONO TRUSS | 4                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:41 2005 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 0.21  | Vert(LL) | -0.01 | 2-4   | >999   | 240 | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.11  | Vert(TL) | -0.02 | 2-4   | >999   | 180 |        |               |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.00  | Horz(TL) | -0.00 | 3     | n/a    | n/a |        |               |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |       |       |        |     |        | Weight: 16 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 4-2-7 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 3=90/Mechanical, 2=275/0-3-8, 4=60/Mechanical  
Max Horz 2=170(load case 5)  
Max Uplift 3=95(load case 5), 2=191(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension

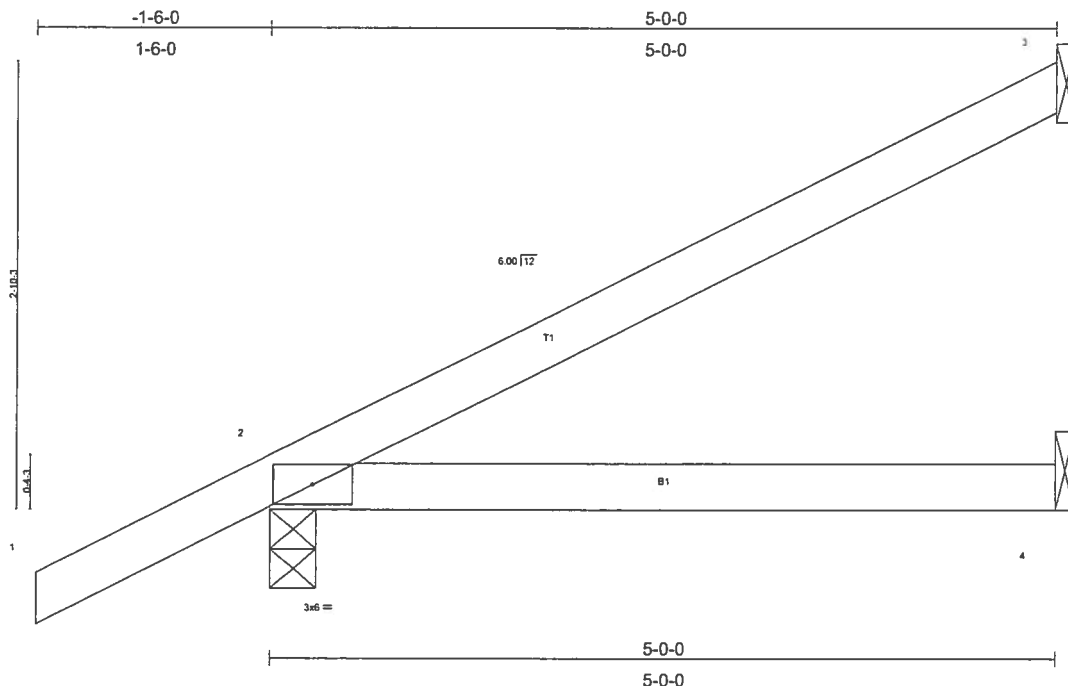
TOP CHORD 1-2=0/35, 2-3=-89/32  
BOT CHORD 2-4=0/0

**NOTES**

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 3 and 191 lb uplift at joint 2.

**LOAD CASE(S)** Standard

|                                           |       |            |     |     |                                                                            |
|-------------------------------------------|-------|------------|-----|-----|----------------------------------------------------------------------------|
| Job                                       | Truss | Truss Type | Qty | Ply | HUGO- LOT 23 ROLLING MEADOWS                                               |
| L142258                                   | CJ5   | MONO TRUSS | 6   | 1   | Job Reference (optional)                                                   |
| Builders FirstSource, Lake City, Fl 32055 |       |            |     |     | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:42 2005 Page 1 |



|                      |                      |            |                                 |               |             |
|----------------------|----------------------|------------|---------------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.30    | Vert(LL) -0.03 2-4 >999 240     | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.16    | Vert(TL) -0.05 2-4 >999 180     |               |             |
| BCLL 10.0            | Rep Stress Incr YES  | WB 0.00    | Horz(TL) -0.00 3 n/a n/a        |               |             |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                                 | Weight: 18 lb |             |

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

|                |                                                                 |
|----------------|-----------------------------------------------------------------|
| <b>BRACING</b> |                                                                 |
| 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.            |

**REACTIONS** (lb/size) 3=114/Mechanical, 2=305/0-3-8, 4=72/Mechanical  
Max Horz 2=192(load case 5)  
Max Uplift3=124(load case 5), 2=-197(load case 5)

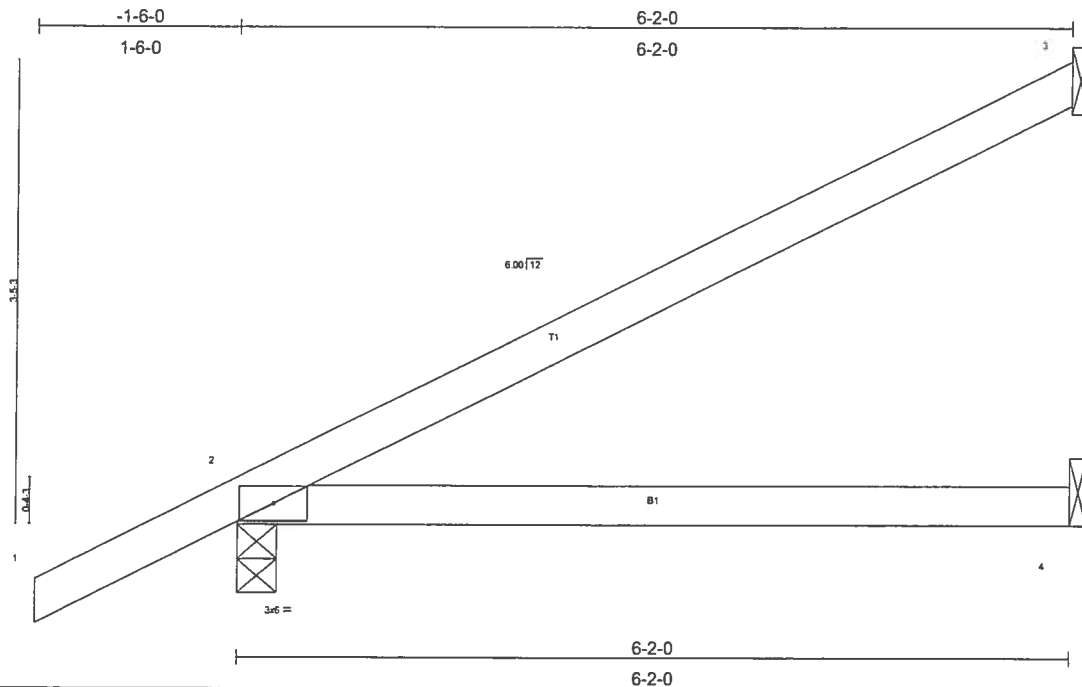
**FORCES (lb)** - Maximum Compression/Maximum Tension  
**TOP CHORD** 1-2=0/35, 2-3=-112/41  
**BOT CHORD** 2-4=0/0

**NOTES**

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDF=4.2psf; BCDF=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 3 and 197 lb uplift at joint 2.

LOAD CASE(S) Standard

|                                           |              |                          |                                                                                                        |          |                              |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>EJ6 | Truss Type<br>MONO TRUSS | Qty<br>1                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional)<br>6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Dec 08 15:24:44 2005 Page 1 |          |                              |



Scale = 1/8" = 1'-0"

| LOADING (psf) | SPACING              | CSI      | DEFL                        | PLATES        | GRIP    |
|---------------|----------------------|----------|-----------------------------|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.50  | in (loc) l/defl L/d         | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.25  | Vert(LL) -0.07 2-4 >999 240 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.00  | Vert(TL) -0.12 2-4 >618 180 |               |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) | Horz(TL) -0.00 3 n/a n/a    |               |         |
|               | Code FBC2004/TP12002 |          |                             | Weight: 22 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.

**REACTIONS** (lb/size) 3=149/Mechanical, 2=351/0-3-8, 4=89/Mechanical  
Max Horz 2=224(load case 5)  
Max Uplift 3=164(load case 5), 2=208(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/35, 2-3=140/54  
BOT CHORD 2-4=0/0

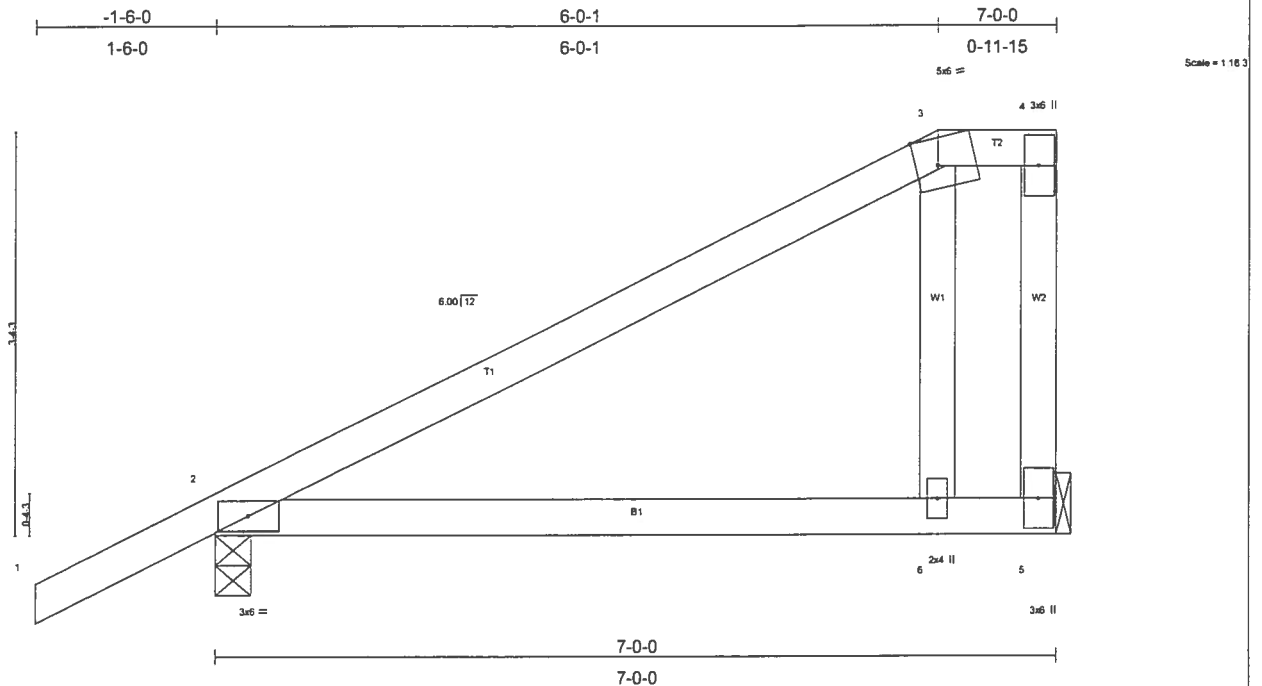
**NOTES**

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 3 and 208 lb uplift at joint 2.

**LOAD CASE(S)** Standard



|                                           |               |                        |          |          |                                                                                                        |
|-------------------------------------------|---------------|------------------------|----------|----------|--------------------------------------------------------------------------------------------------------|
| Job<br>L142258                            | Truss<br>EJ7A | Truss Type<br>MONO HIP | Qty<br>2 | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS                                                                           |
| Builders FirstSource, Lake City, FL 32055 |               |                        |          |          | Job Reference (optional)<br>6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Dec 08 15:24:46 2005 Page 1 |



## Plate Offsets (X,Y): [3:0-2-3,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 0.63  | Vert(LL) | 0.07     | 2-6    | >999 | 240    | MT20          |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.34  | Vert(TL) | -0.11    | 2-6    | >759 | 180    | 244/190       |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.07  | Horz(TL) | 0.00     | 5      | n/a  | n/a    |               |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |          |        |      |        | Weight: 33 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.

## REACTIONS (lb/size) 5=271/Mechanical, 2=382/0-3-8

Max Horz 2=222(load case 5)  
 Max Uplift 5=144(load case 5), 2=-226(load case 5)

## FORCES (lb) - Maximum Compression/Maximum Tension

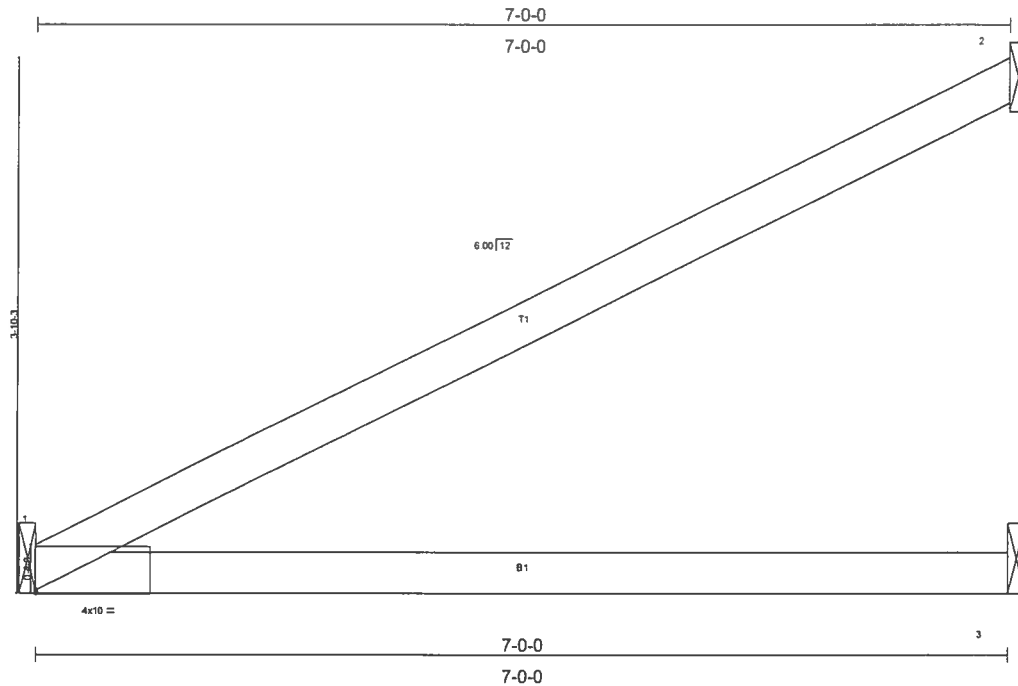
TOP CHORD 1-2=0/35, 2-3=-194/0, 3-4=-109/100, 4-5=-99/4  
 BOT CHORD 2-6=-100/109, 5-6=-100/109  
 WEBS 3-6=-52/272

## NOTES

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 5 and 226 lb uplift at joint 2.

LOAD CASE(S) Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | EJ7B  | MONO TRUSS | 3                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:47 2005 Page 1 |     |                              |



Scale 3/4"=1'

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

|                      |                      |            |                                 |               |               |
|----------------------|----------------------|------------|---------------------------------|---------------|---------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl l/d | <b>PLATES</b> | <b>GRIP</b>   |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.57    | Vert(LL) 0.19 1-3 >440 240      | MT20          | 244/190       |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.44    | Vert(TL) -0.26 1-3 >316 180     |               |               |
| BCLL 10.0            | Rep Stress Incr YES  | WB 0.00    | Horz(TL) -0.00 2 n/a n/a        |               |               |
| BCDL 5.0             | Code FBC2004/TPI2002 | (Matrix)   |                                 |               | Weight: 22 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.            |

## REACTIONS

**REACTIONS** (lb/size) 1=289/Mechanical, 2=173/Mechanical, 3=116/Mechanical  
Max Horiz 1=192(load case 5)  
Max Uplift 1=-90(load case 5), 2=-179(load case 5), 3=-9(load case 5)

**FORCES** (lb)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 1-2=-147/62  
**BOT CHORD** 1-3=0/0

## NOTES

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 1, 179 lb uplift at joint 2 and 9 lb uplift at joint 3.

## LOAD CASE(S) Standard

**DECEMBER 09, 2005 TRUSS DESIGN ENGINEER:  
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987  
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196  
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

|                                           |       |            |     |     |                                                                            |
|-------------------------------------------|-------|------------|-----|-----|----------------------------------------------------------------------------|
| Job                                       | Truss | Truss Type | Qty | Ply | HUGO- LOT 23 ROLLING MEADOWS                                               |
| L142258                                   | EJ7G  | MONO HIP   | 2   | 1   |                                                                            |
| Builders FirstSource, Lake City, FL 32055 |       |            |     |     | Job Reference (optional)                                                   |
|                                           |       |            |     |     | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:48 2005 Page 1 |

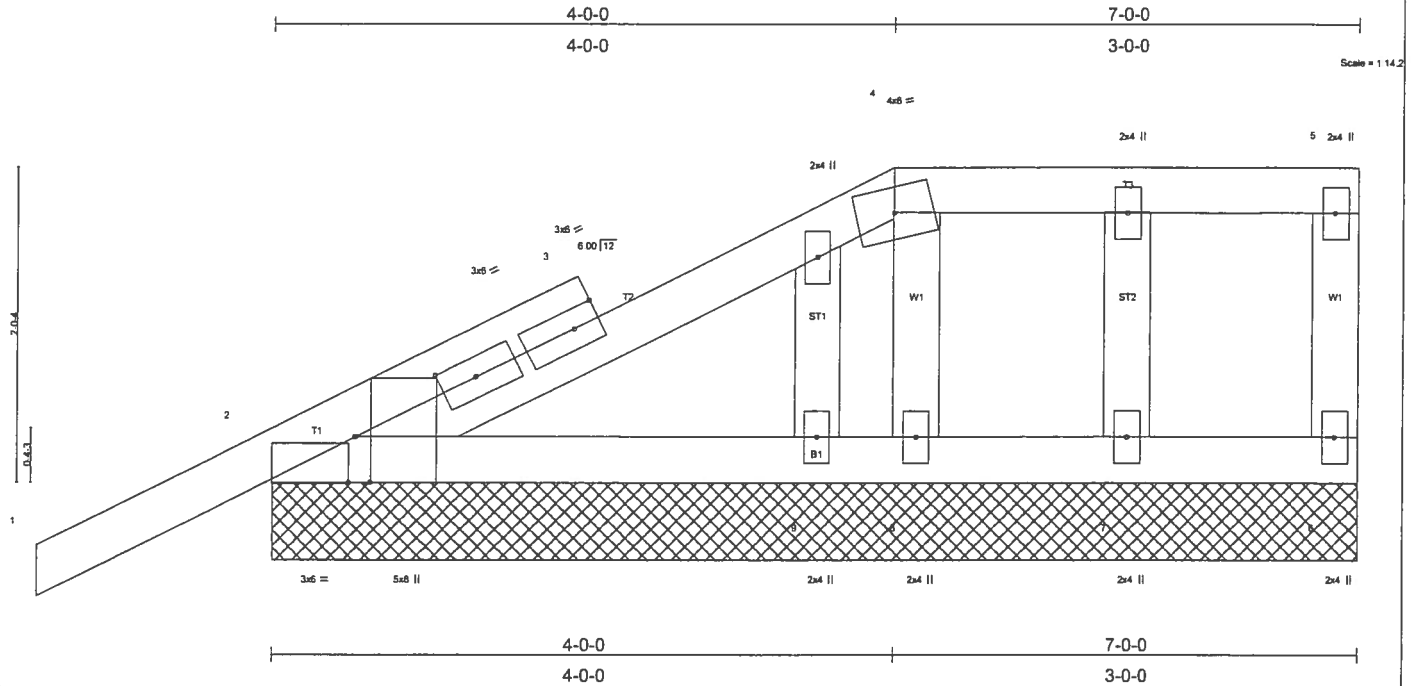


Plate Offsets (X,Y): [2:0-3:8,Edge], [2:0-0:8,Edge], [3:0-2:12,0-1-8]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) | l/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|-------|----------|----------|----------|--------|-----|--------|---------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.25  | Vert(LL) | -0.00    | 1      | n/r | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.09  | Vert(TL) | -0.00    | 1      | n/r |        |               |
| BCLL 10.0     | Rep Stress Incr      | NO    | WB 0.09  | Horz(TL) | -0.00    | 6      | n/a |        |               |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |          |        |     |        | 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  
 OTHERS 2 X 4 SYP No.3

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

**REACTIONS** (lb/size) 2=364/7'-0", 6=115/7'-0", 8=264/7'-0", 9=138/7'-0", 7=51/7'-0"  
 Max Horz 2=149(load case 5)  
 Max Uplift 2=243(load case 5), 6=91(load case 3), 8=197(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-11/56, 2-3=-104/24, 3-4=-40/34, 4-5=-15/21, 5-6=-98/112  
 BOT CHORD 2-9=-48/41, 8-9=-48/41, 7-8=-21/15, 6-7=-21/15  
 WEBS 4-8=-308/349

#### NOTES

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 3) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2'-0" oc.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 2, 91 lb uplift at joint 6 and 197 lb uplift at joint 8.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-4=-87(F=-33), 4-5=-87(F=-33), 2-6=-30

|                                           |               |                       |                                                                                                        |          |                              |
|-------------------------------------------|---------------|-----------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>EJ7T | Truss Type<br>SPECIAL | Qty<br>5                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |               |                       | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:49 2005 Page 1 |          |                              |

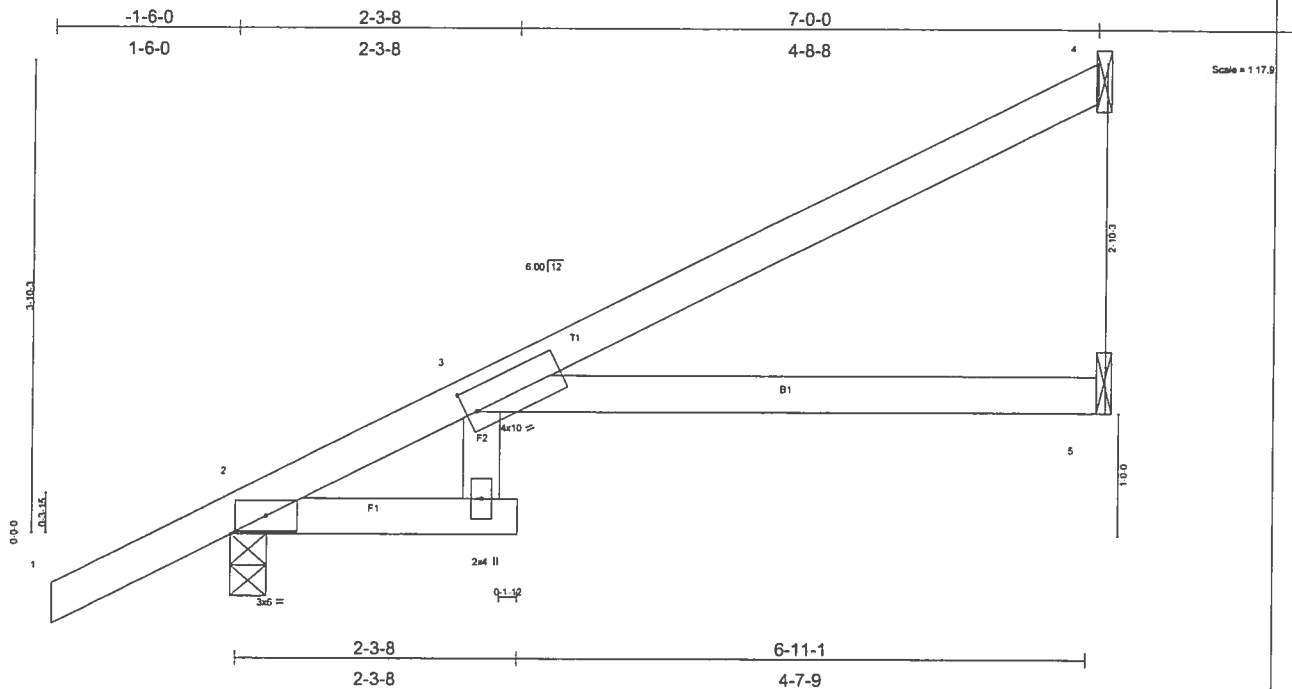


Plate Offsets (X,Y): [3:0-1:0,0-2:4]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES | GRIP          |
|---------------|----------------------|-------|----------|----------|-------|-------|--------|-----|--------|---------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.53  | Vert(LL) | 0.22  | 3-5   | >362   | 240 | MT20   | 244/190       |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.49  | Vert(TL) | -0.26 | 3-5   | >316   | 180 |        |               |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.00  | Horz(TL) | 0.10  | 5     | n/a    | n/a |        |               |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |       |       |        |     |        | Weight: 26 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.

**REACTIONS**

(lb/size) 4=153/Mechanical, 5=115/Mechanical, 2=357/0-3-8  
 Max Horz 2=250(load case 5)  
 Max Uplift 4=142(load case 5), 5=-22(load case 5), 2=-223(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension

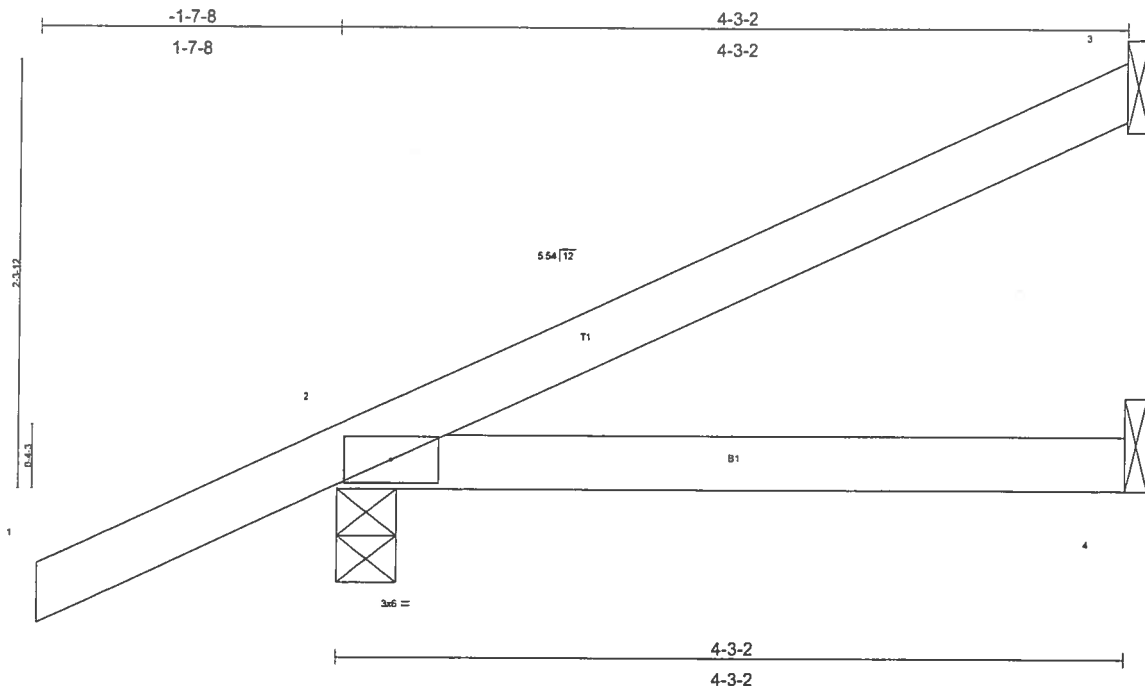
TOP CHORD 1-2=0/41, 2-3=-161/0, 3-4=-113/57  
 BOT CHORD 3-5=0/0

**NOTES**

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 4, 22 lb uplift at joint 5 and 223 lb uplift at joint 2.
- 4) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

**LOAD CASE(S)** Standard

|                                           |              |                          |                                                                                                        |          |                              |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>HJ4 | Truss Type<br>MONO TRUSS | Qty<br>4                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                          | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:50 2005 Page 1 |          |                              |



| LOADING (psf) | SPACING              | CSI      | DEFL     | in (loc) | l/defl | L/d  | PLATES        | GRIP    |
|---------------|----------------------|----------|----------|----------|--------|------|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.23  | Vert(LL) | -0.01    | 2-4    | >999 | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.12  | Vert(TL) | -0.02    | 2-4    | >999 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.00  | Horz(TL) | -0.00    | 3      | n/a  |               |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) |          |          |        |      |               |         |
|               | Code FBC2004/TP12002 |          |          |          |        |      | Weight: 16 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 4-3-2 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

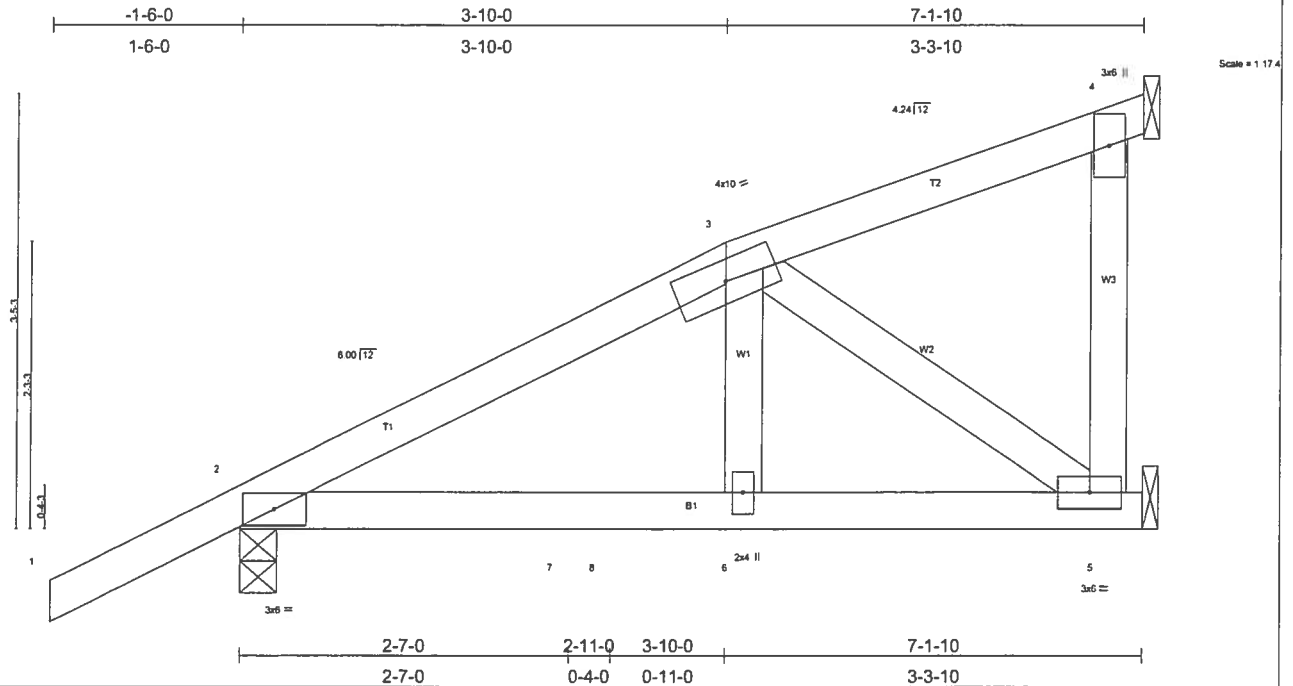
**REACTIONS** (lb/size) 3=88/Mechanical, 2=287/0-3-13, 4=61/Mechanical  
Max Horz 2=163(load case 5)  
Max Uplift 3=89(load case 5), 2=209(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/36, 2-3=81/29  
BOT CHORD 2-4=0/0

#### NOTES

- 1) Wind: ASCE 7-02: 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 3 and 209 lb uplift at joint 2.

**LOAD CASE(S)** Standard



|                      |                      |            |                                |               |               |
|----------------------|----------------------|------------|--------------------------------|---------------|---------------|
| <b>LOADING</b> (psf) | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/def L/d | <b>PLATES</b> | <b>GRIP</b>   |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.24    | Vert(LL) 0.03 2-6 >999 240     | MT20          | 244/190       |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.31    | Vert(TL) -0.04 2-6 >999 180    |               |               |
| BCLL 10.0            | Rep Stress Incr NO   | WB 0.14    | Horz(TL) 0.00 5 n/a n/a        |               |               |
| BCDL 5.0             | Code FBC2004/TP12002 | (Matrix)   |                                |               | Weight: 36 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

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

**REACTIONS** (lb/size) 2=530/0-3-8, 4=59/Mechanical, 5=306/Mechanical  
Max Horz 2=221(load case 5)  
Max Uplift2=284(load case 5), 4=-70(load case 3), 5=-131(load case 5)  
Max Grav 2=530(load case 1), 4=62(load case 9), 5=306(load case 1)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 1-2=0/35, 2-3=-526/251, 3-4=-38/15  
**BOT CHORD** 2-7=-375/439, 7-8=-375/439, 6-8=-375/439, 5-6=-384/462  
**WEBS** 3-6=-115/311, 4-5=0/0, 3-5=-550/457

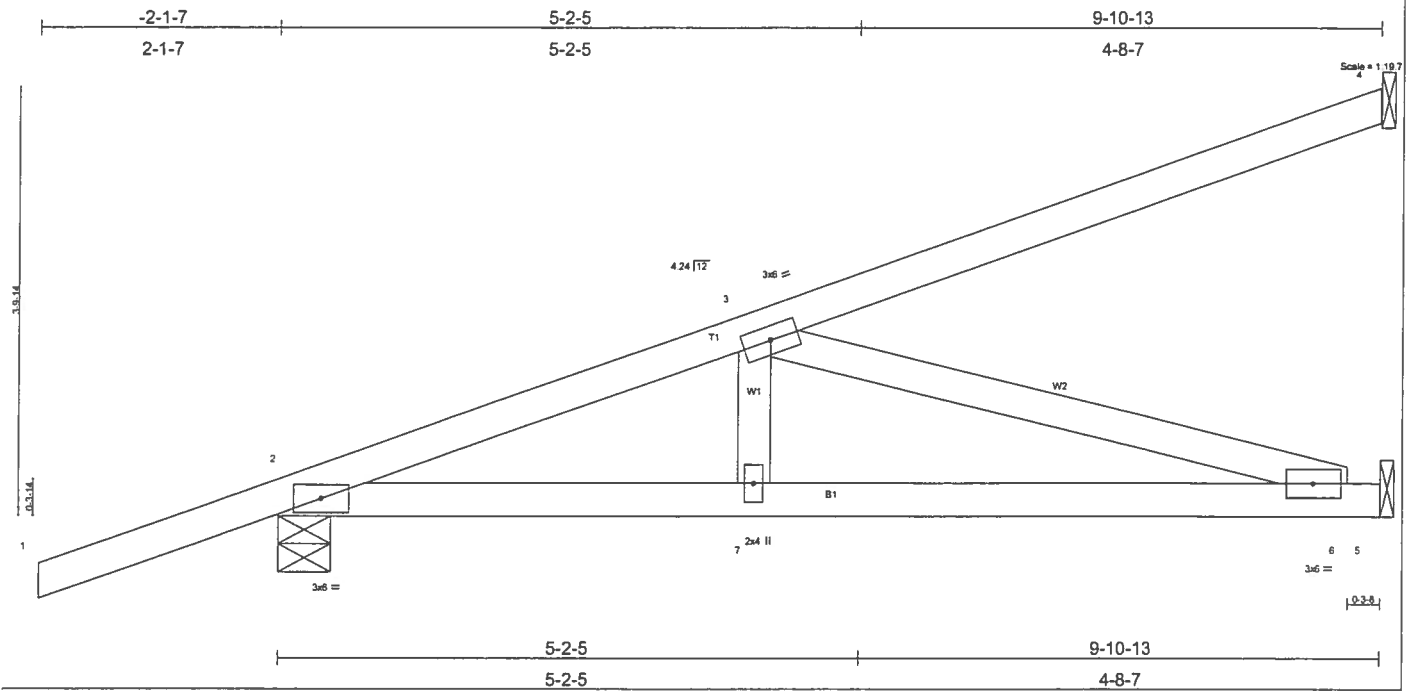
## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120 mph (3-second gust);  $h=20ft$ ;  $TCDL=4.2psf$ ;  $BCDL=3.0psf$ ; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber  $DOL=1.60$  plate grip  $DOL=1.60$ . This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 284 lb uplift at joint 2, 70 lb uplift at joint 4 and 131 lb uplift at joint 5.
- 5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 46 lb up at 2-7-0, 60 lb down and 46 lb up at 2-11-0, and 60 lb down and 46 lb up at 2-11-0, and 61 lb down and 46 lb up at 2-7-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

## 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=30  
Concentrated Loads (lb)  
Vert: 7=122(F=61, B=61) 8=120(F=60, B=60)

|                                           |              |                          |                                                                                                        |          |                              |
|-------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>HJ9 | Truss Type<br>MONO TRUSS | Qty<br>3                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, Fl 32055 |              |                          | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:52 2005 Page 1 |          |                              |



| LOADING (psf) | SPACING              | CSI      | DEFL                        | PLATES        | GRIP    |
|---------------|----------------------|----------|-----------------------------|---------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.60  | in (loc) l/defl L/d         | MT20          | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.58  | Vert(LL) -0.10 6-7 >999 240 |               |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.52  | Vert(TL) -0.17 6-7 >694 180 |               |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) | Horz(TL) 0.01 5 n/a n/a     |               |         |
|               | Code FBC2004/TPI2002 |          |                             | 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 5-11-5 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 8-7-14 oc bracing.

**REACTIONS** (lb/size) 4=268/Mechanical, 2=486/0-5-11, 5=387/Mechanical  
 Max Horz 2=301(load case 2)  
 Max Uplift 4=-281(load case 2), 2=-287(load case 2), 5=-105(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/37, 2-3=932/240, 3-4=-121/65  
 BOT CHORD 2-7=-465/868, 6-7=-465/868, 5-6=0/0  
 WEBS 3-7=0/197, 3-6=-902/484

#### NOTES

- 1) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 281 lb uplift at joint 4, 287 lb uplift at joint 2 and 105 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

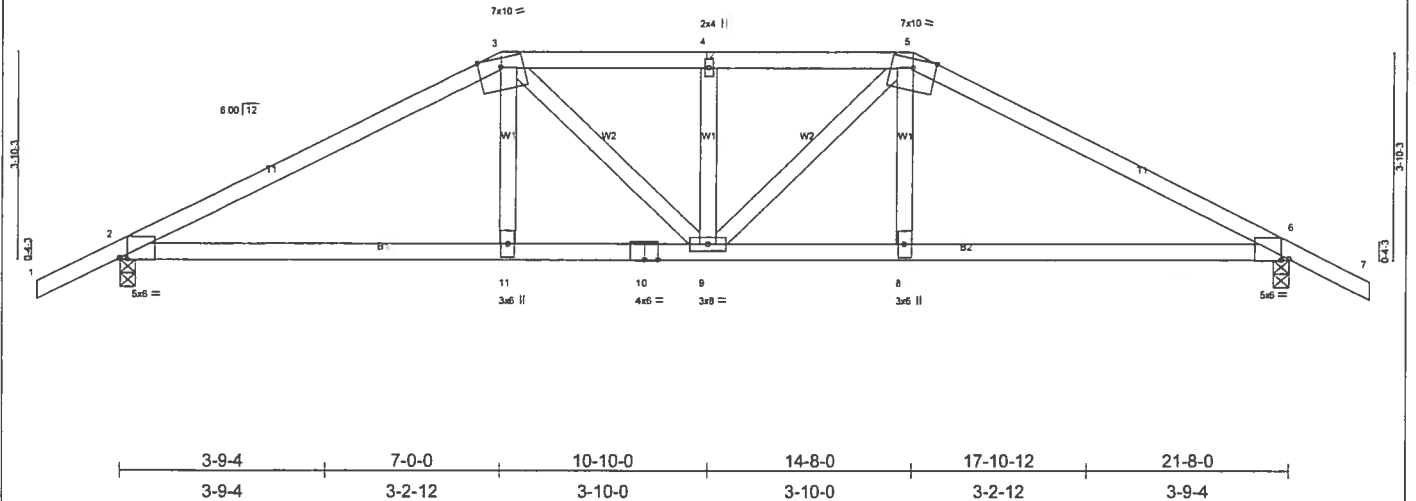
#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-2=-54  
 Trapezoidal Loads (plf)  
 Vert: 2=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

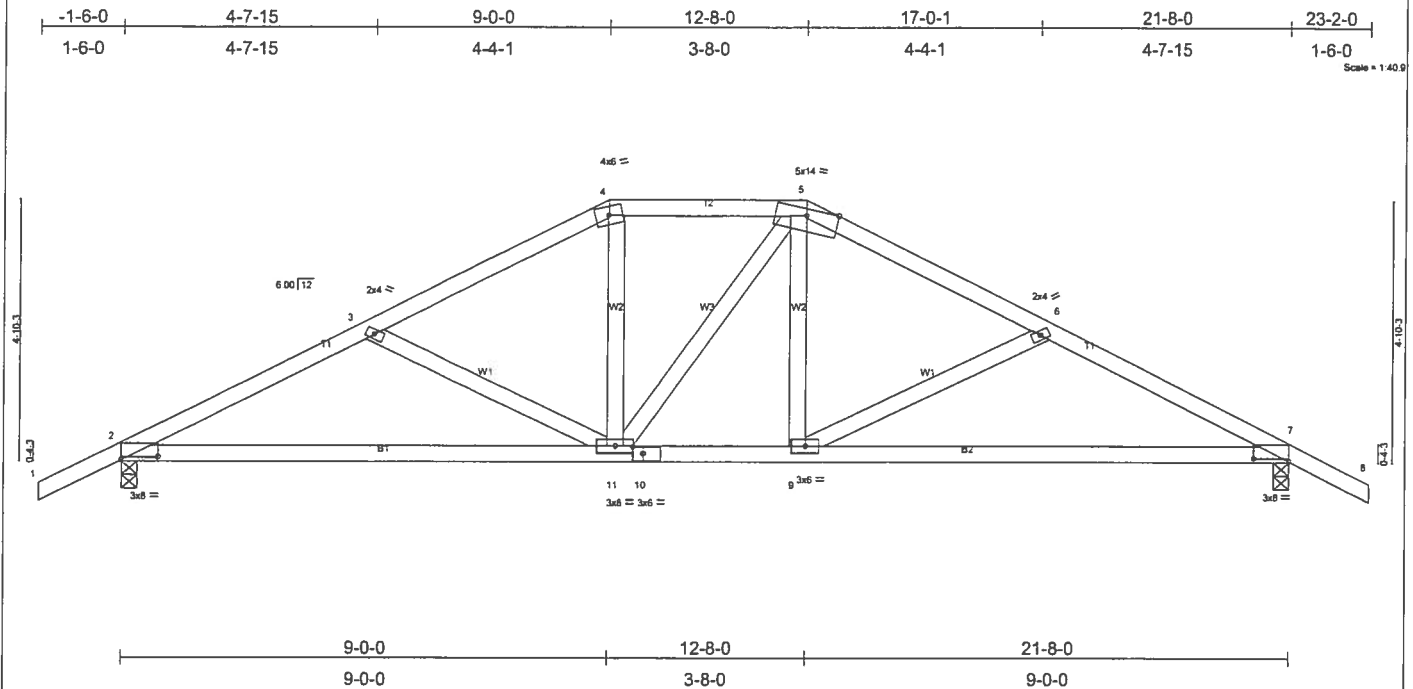
|                                           |              |                   |                                                                                                        |          |                              |
|-------------------------------------------|--------------|-------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T01 | Truss Type<br>HIP | Qty<br>1                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                   | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:53 2005 Page 1 |          |                              |

|        |       |        |         |        |          |        |        |
|--------|-------|--------|---------|--------|----------|--------|--------|
| -1-6-0 | 3-9-4 | 7-0-0  | 10-10-0 | 14-8-0 | 17-10-12 | 21-8-0 | 23-2-0 |
| 1-6-0  | 3-9-4 | 3-2-12 | 3-10-0  | 3-10-0 | 3-2-12   | 3-9-4  | 1-6-0  |

Scale = 1/40.9



|                                           |              |                   |                                                                            |          |                              |
|-------------------------------------------|--------------|-------------------|----------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T02 | Truss Type<br>HIP | Qty<br>1                                                                   | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                   | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:54 2005 Page 1 |          |                              |



|                                                                       |                      |       |          |                |                     |
|-----------------------------------------------------------------------|----------------------|-------|----------|----------------|---------------------|
| Plate Offsets (X,Y): [2:0-8-0-0-10], [7:0-8-0-0-10], [10:0-2-4-0-1-8] |                      |       |          |                |                     |
| LOADING (psf)                                                         | SPACING              | 2-0-0 | CSI      | DEFL           | in (loc) l/defl L/d |
| TCLL 20.0                                                             | Plates Increase      | 1.25  | TC 0.27  | Vert(LL) -0.18 | 7-9 >999 240        |
| TCDL 7.0                                                              | Lumber Increase      | 1.25  | BC 0.46  | Vert(TL) -0.31 | 7-9 >836 180        |
| BCLL 10.0                                                             | Rep Stress Incr      | YES   | WB 0.14  | Horz(TL) 0.04  | 7 n/a n/a           |
| BCDL 5.0                                                              | Code FBC2004/TPI2002 |       | (Matrix) |                |                     |
| PLATES GRIP                                                           |                      |       |          |                |                     |
| MT20 244/190                                                          |                      |       |          |                |                     |
| Weight: 108 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 4-9-8 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.

**REACTIONS** (lb/size) 2=987/0-3-8, 7=987/0-3-8  
 Max Horz 2=-109(load case 6)  
 Max Uplift 2=480(load case 5), 7=480(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/35, 2-3=-1503/835, 3-4=-1231/672, 4-5=-1058/664, 5-6=-1230/672, 6-7=-1503/835, 7-8=0/35  
 BOT CHORD 2-11=-587/1309, 10-11=-319/1057, 9-10=-319/1057, 7-9=-587/1309  
 WEBS 3-11=-292/301, 4-11=-93/314, 5-11=-104/107, 5-9=-93/314, 6-9=-293/301

**NOTES**  
 1) Unbalanced roof live loads have been considered for this design.  
 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 3) Provide adequate drainage to prevent water ponding.  
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 480 lb uplift at joint 2 and 480 lb uplift at joint 7.

**LOAD CASE(S)** Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T03   | COMMON     | 4                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Dec 08 15:24:55 2005 Page 1 |     |                              |

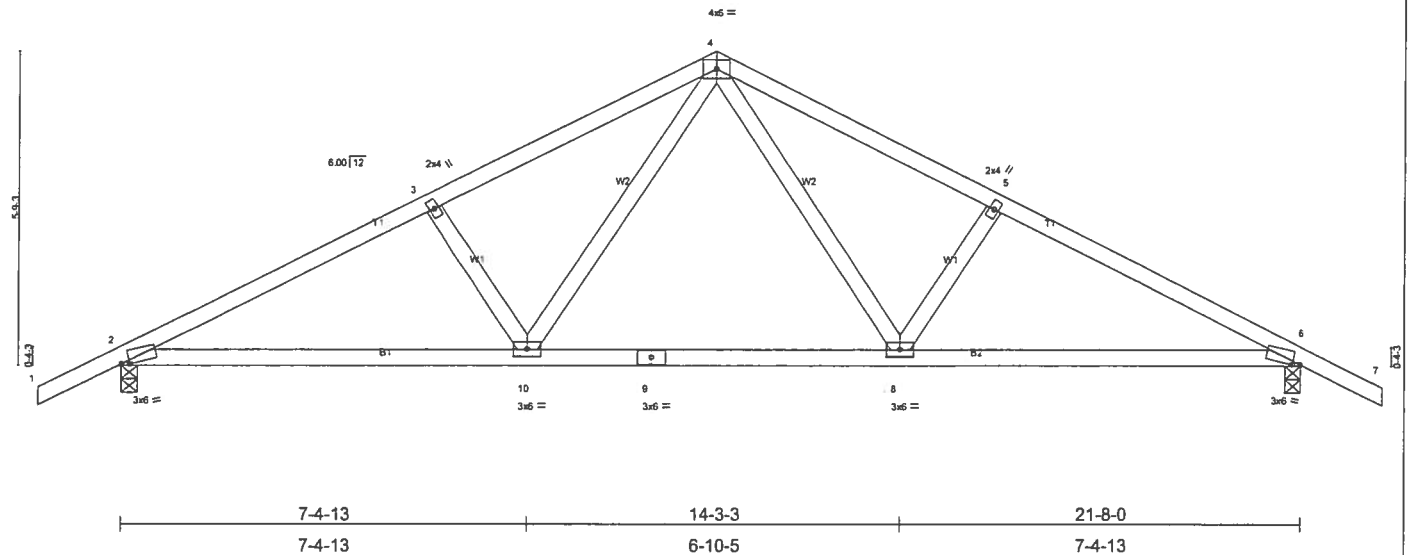


Plate Offsets (X,Y): [2-0-1-13,0-0-7], [6-0-1-13,0-0-7]

| LOADING (psf) | SPACING              | CSI      | DEFL     | in    | (loc) | l/def | L/d | PLATES         | GRIP    |
|---------------|----------------------|----------|----------|-------|-------|-------|-----|----------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.37  | Vert(LL) | -0.20 | 8-10  | >999  | 240 | MT20           | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.83  | Vert(TL) | -0.32 | 8-10  | >793  | 180 |                |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.27  | Horz(TL) | 0.05  | 6     | n/a   | n/a |                |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) |          |       |       |       |     |                |         |
|               | Code FBC2004/TPI2002 |          |          |       |       |       |     |                |         |
|               |                      |          |          |       |       |       |     | Weight: 101 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 4-4-7 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 7-2-10 oc bracing.

**REACTIONS** (lb/size) 2=1158/0-3-8, 6=1158/0-3-8  
 Max Horz 2=124(load case 5)  
 Max Uplift 2=-575(load case 5), 6=-575(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/35, 2-3=-1920/1033, 3-4=-1762/1025, 4-5=-1762/1025, 5-6=-1920/1033, 6-7=0/35  
 BOT CHORD 2-10=-748/1647, 9-10=-391/1131, 8-9=-391/1131, 6-8=-748/1647  
 WEBS 3-10=-255/297, 4-10=-372/747, 4-8=-372/747, 5-8=-255/297

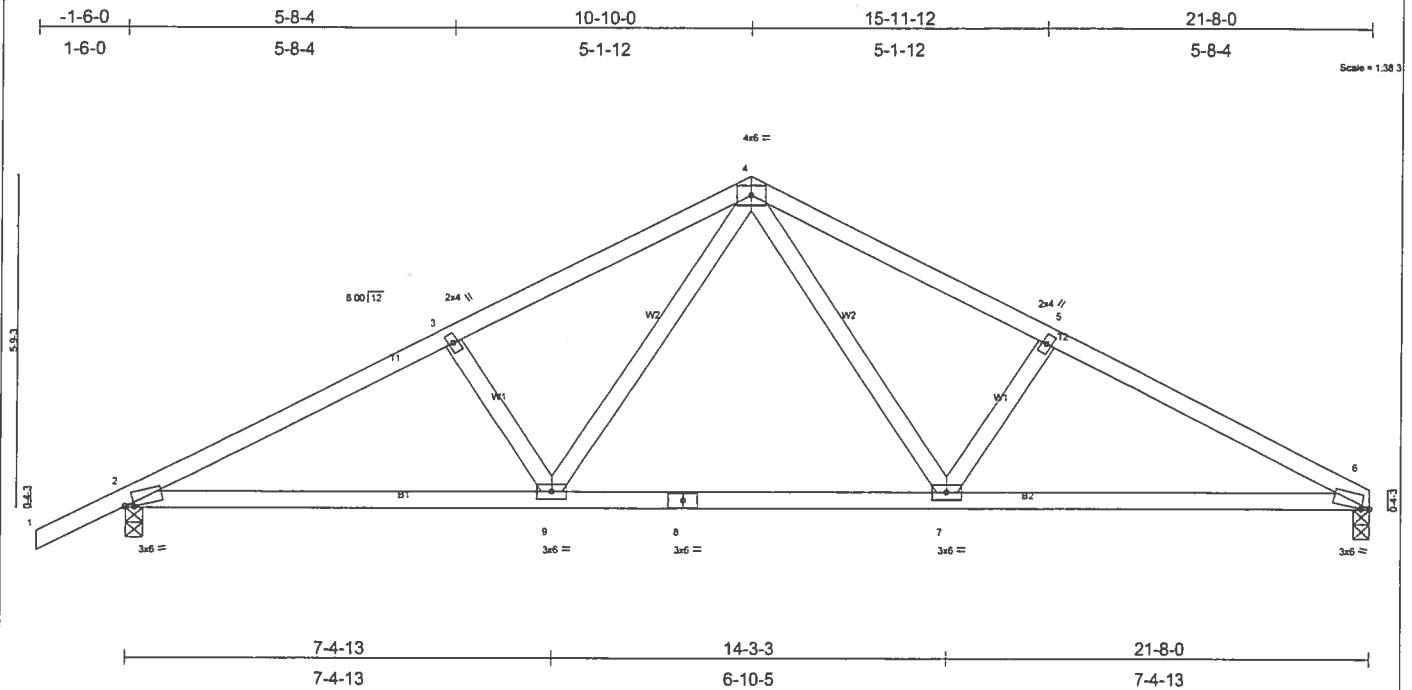
#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 575 lb uplift at joint 2 and 575 lb uplift at joint 6.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T03A  | COMMON     | 2                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6,200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:56 2005 Page 1 |     |                              |



|                      |                      |            |                                 |               |             |
|----------------------|----------------------|------------|---------------------------------|---------------|-------------|
| <b>LOADING (psf)</b> | <b>SPACING</b> 2-0-0 | <b>CSI</b> | <b>DEFL</b> in (loc) l/defl L/d | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | Plates Increase 1.25 | TC 0.37    | Vert(LL) -0.20 7-9 >999 240     | MT20          | 244/190     |
| TCDL 7.0             | Lumber Increase 1.25 | BC 0.85    | Vert(TL) -0.32 7-9 >801 180     |               |             |
| BCLL 10.0            | Rep Stress Incr NO   | WB 0.30    | Horz(TL) 0.05 6 n/a n/a         |               |             |
| BCDL 5.0             | Code FBC2004/TP12002 | (Matrix)   |                                 | Weight: 99 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

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| <b>BRACING</b>   |                                                                  |
| <b>TOP CHORD</b> | Structural wood sheathing directly applied or 4-3-13 oc purlins. |
| <b>BOT CHORD</b> | Rigid ceiling directly applied or 6-7-0 oc bracing.              |

**REACTIONS** (lb/size) 6=1066/0-3-8, 2=1162/0-3-8  
Max Horz 2=146(load case 5)  
Max Uplift6=-457(load case 6), 2=-577(load case 5)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 1-2=0/35, 2-3=-1927/1046, 3-4=-1769/1038, 4-5=-1782/1064, 5-6=-1927/1074  
**BOT CHORD** 2-9=-829/1654, 8-9=473/1137, 7-8=-473/1137, 6-7=-860/1670  
**WEBS** 3-9=-255/298, 4-9=-368/747, 4-7=409/766, 5-7=-285/316

## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDF=4.2psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 6 and 577 lb uplift at joint 2.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

## LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-4=-54, 4-6=-54, 2-9=-30, 7-9=-80(F=50), 6-7=-30

**DECEMBER 09, 2005 TRUSS DESIGN ENGINEER:  
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987  
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196  
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T05   | SPECIAL    | 1                                                                          | 2   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:57 2005 Page 1 |     |                              |

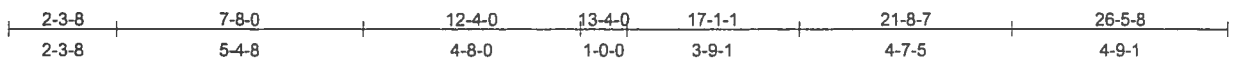
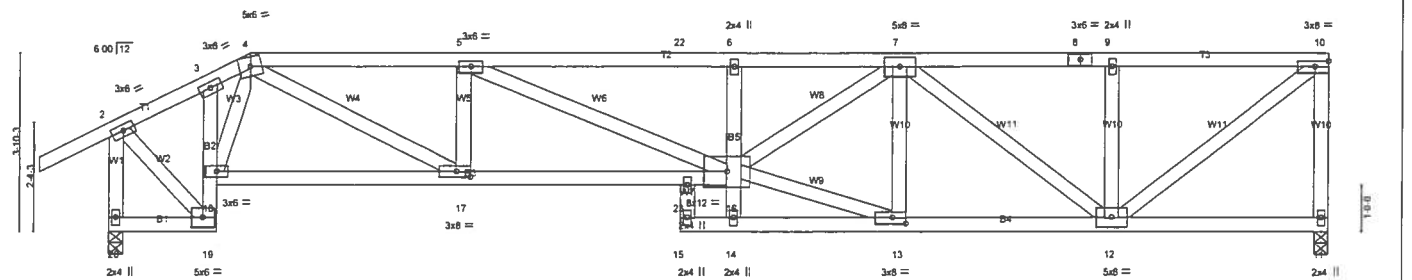
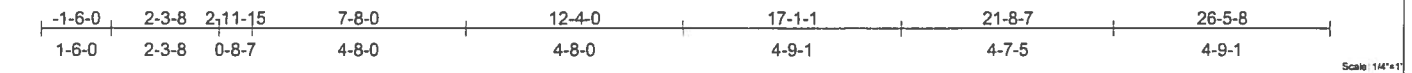


Plate Offsets (X,Y): [13:0-3-8,0-1-8], [17:0-3-8,0-1-8]

| LOADING (psf) | SPACING              | CSI      | DEFL                          | PLATES         | GRIP    |
|---------------|----------------------|----------|-------------------------------|----------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.43  | In (loc) l/defl L/d           | MT20           | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.95  | Vert(LL) -0.25 16-17 >999 240 |                |         |
| BCLL 10.0     | Lumber Increase 1.25 | WB 0.65  | Vert(TL) -0.41 16-17 >769 180 |                |         |
| BCDL 5.0      | Rep Stress Incr NO   | (Matrix) | Horz(TL) 0.19 11 n/a n/a      |                |         |
|               | Code FBC2004/TPI2002 |          |                               | Weight: 330 lb |         |

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2 "Except"  
 B5 2 X 4 SYP No.3  
 WEBS 2 X 4 SYP No.3

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

**REACTIONS** (lb/size) 11=2426/0-3-8, 20=2523/0-3-8  
 Max Horz 20=402(load case 4)  
 Max Uplift 11=1328(load case 3), 20=1157(load case 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/40, 2-3=-1814/932, 3-4=-2356/1346, 4-5=-5307/2792, 5-22=-6419/3360, 6-22=-6419/3360, 6-7=-6257/3282, 7-8=-2684/1459,  
 8-9=-2684/1459, 9-10=-2684/1459, 10-11=-2269/1339, 2-20=-2722/1336  
 BOT CHORD 19-20=-349/18, 18-19=-1097/490, 3-18=-56/78, 17-18=-1344/2375, 17-23=-2792/5306, 16-23=-2792/5306, 14-16=0/222, 6-16=-402/402,  
 14-15=0/0, 13-14=-190/266, 12-13=-2235/4172, 11-12=-46/82  
 WEBS 4-17=-1664/3339, 5-17=-756/503, 5-16=-646/1216, 13-16=-2121/4053, 7-16=-1284/2555, 7-13=-850/641, 7-12=-1878/980, 9-12=-557/574,  
 10-12=-1783/3286, 2-19=-1010/2140, 4-18=-797/416

#### NOTES

- 2-ply truss to be connected together with 0.131"x3" Nails as follows:  
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
 Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all piles, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1328 lb uplift at joint 11 and 1157 lb uplift at joint 20.
- Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 12-4-0
- Girder carries hip end with 0-0-0 right side setback, 12-4-0 left side setback, and 7-0-0 end setback.

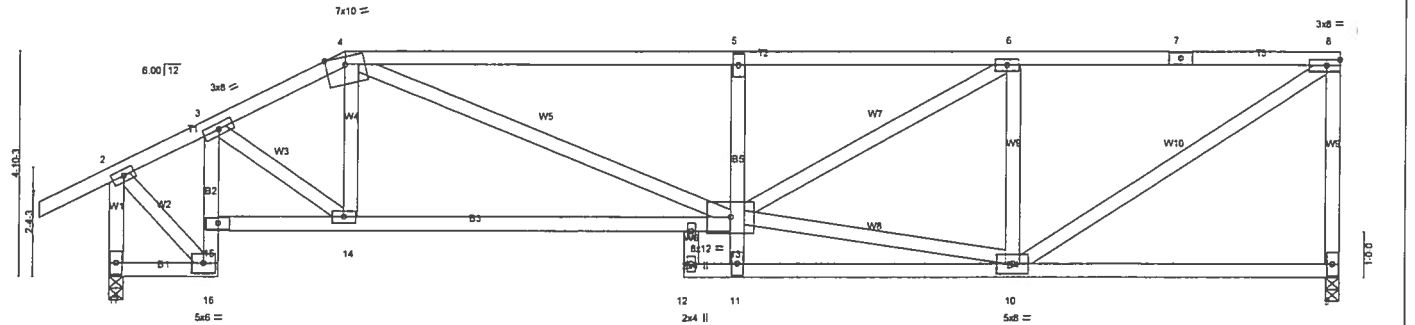
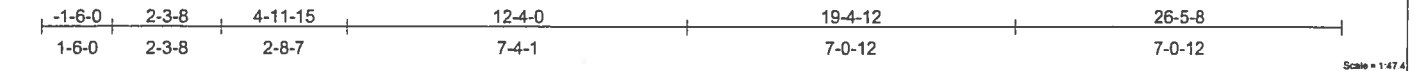
#### LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54, 2-4=-54, 4-22=-54, 10-22=-118(F=-64), 19-20=-129(F=-99), 18-23=-129(F=-99), 16-23=-65(F=-35), 14-15=-65(F=-35),  
 11-14=-65(F=-35)

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T06   | SPECIAL    | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:58 2005 Page 1 |     |                              |



|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T07   | SPECIAL    | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, Fl 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:24:59 2005 Page 1 |     |                              |

|        |       |         |        |        |        |        |        |
|--------|-------|---------|--------|--------|--------|--------|--------|
| -1-6-0 | 2-3-8 | 6-11-15 | 12-4-0 | 17-8-0 | 23-0-0 | 23-5-8 | 26-5-8 |
| 1-6-0  | 2-3-8 | 4-8-7   | 5-4-1  | 5-4-0  | 5-4-0  | 0-5-8  | 3-0-0  |

Scale: 1/4"=1'

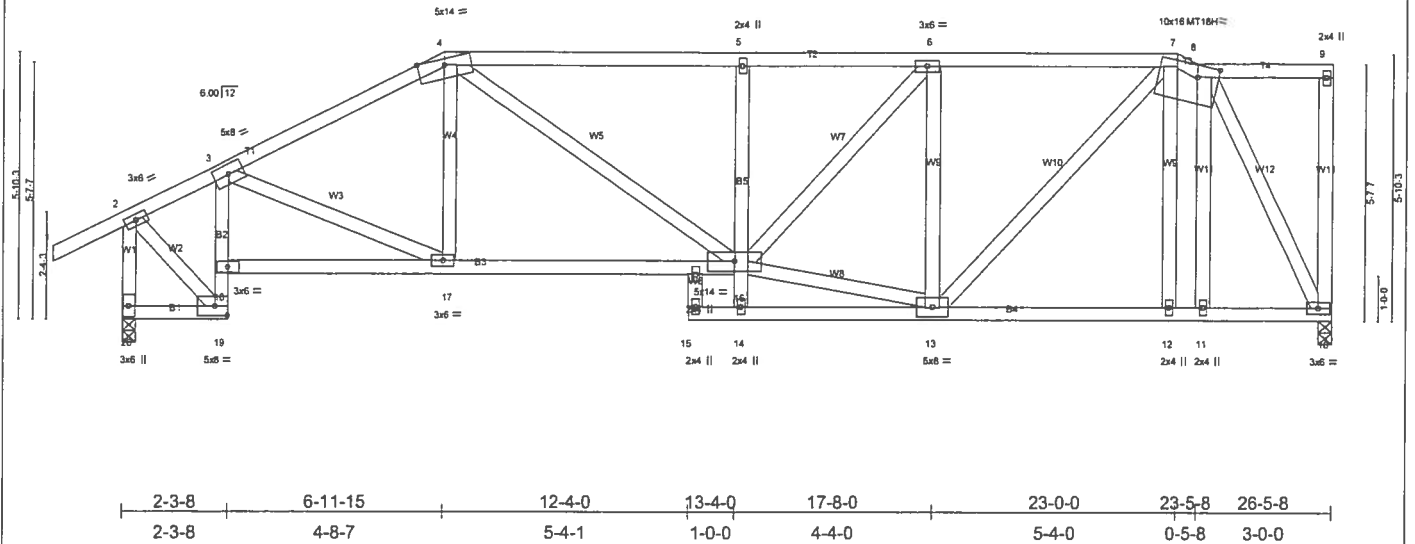


Plate Offsets (X,Y): [7;0-5-8,0-3-3]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | In (loc)    | l/defl | L/d | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|-------------|--------|-----|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.39  | Vert(LL) | -0.12 16-17 | >999   | 240 | MT20   | 244/190        |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.81  | Vert(TL) | -0.19 16-17 | >999   | 180 | MT18H  | 244/190        |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.78  | Horz(TL) | 0.12 10     | n/a    | n/a |        |                |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |             |        |     |        |                |
|               |                      |       |          |          |             |        |     |        | Weight: 193 lb |

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2 \*Except\*  
 B5 2 X 4 SYP No.3  
 WEBS 2 X 4 SYP No.3

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 4-7-13 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 5-10-6 oc bracing.

**REACTIONS** (lb/size) 10=1113/0-3-8, 20=1208/0-3-8  
 Max Horz 20=302(load case 5)  
 Max Uplift 10=511(load case 4), 20=491(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/40, 2-3=-834/512, 3-4=-1505/823, 4-5=-1667/910, 5-6=-1634/893, 6-7=-1203/652, 7-8=-858/438, 8-9=-1/1, 9-10=-2/24,  
 2-20=-1318/826  
 BOT CHORD 19-20=-275/9, 18-19=-553/189, 3-18=-518/226, 17-18=-786/938, 16-17=-794/1304, 14-16=0/94, 5-16=-285/253, 14-15=0/0, 13-14=-88/63,  
 12-13=-306/586, 11-12=-310/587, 10-11=-313/593  
 WEBS 3-17=-206/441, 4-17=-14/102, 4-16=-253/518, 13-16=-566/1171, 6-16=-356/637, 6-13=-757/504, 7-13=-479/889, 7-12=-45/130,  
 8-11=-112/209, 8-10=-1257/664, 2-19=-442/995

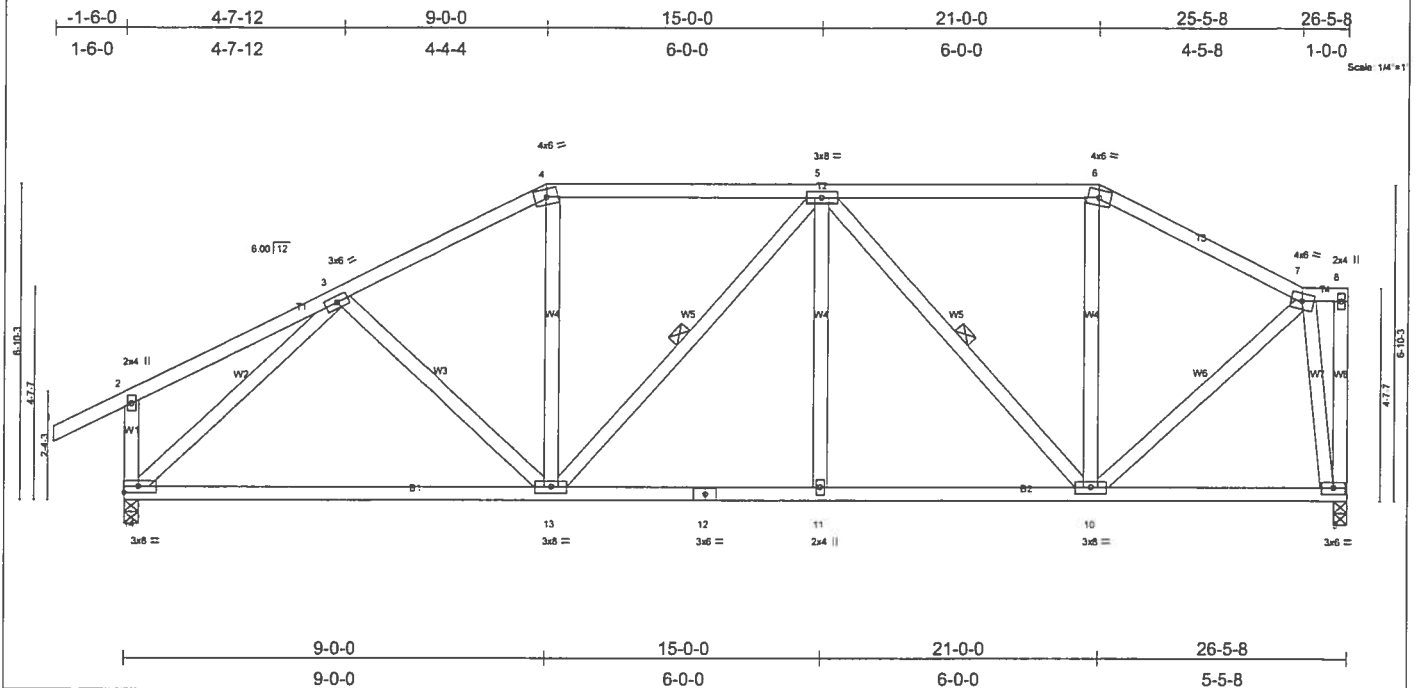
**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 511 lb uplift at joint 10 and 491 lb uplift at joint 20.

LOAD CASE(S) Standard

|                                           |              |                       |                          |          |                              |
|-------------------------------------------|--------------|-----------------------|--------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T08 | Truss Type<br>SPECIAL | Qty<br>1                 | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                       | Job Reference (optional) |          |                              |

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:00 2005 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 0.70  | Vert(LL) | -0.13 13-14 | >999   | 240 | MT20           | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.49  | Vert(TL) | -0.22 13-14 | >999   | 180 |                |         |
| BCCL 10.0     | Rep Stress Incr      | YES   | WB 0.73  | Horz(TL) | 0.04 9      | n/a    | n/a |                |         |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |             |        |     |                |         |
|               |                      |       |          |          |             |        |     | Weight: 178 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 5-7-14 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 8-0-4 oc bracing.  
 WEBS 1 Row at midpt 5-13, 5-10

**REACTIONS** (lb/size) 9=1096/0-3-8, 14=1191/0-3-8  
 Max Horz 14=280(load case 5)  
 Max Uplift 9=397(load case 6), 14=521(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/40, 2-3=-194/198, 3-4=-1188/702, 4-5=-1026/692, 5-6=-754/517, 6-7=-884/506, 7-8=-21/2, 8-9=-85/47, 2-14=-285/352  
 BOT CHORD 13-14=-622/901, 12-13=-585/1106, 11-12=-585/1106, 10-11=-585/1106, 9-10=-131/217  
 WEBS 3-13=-87/247, 4-13=-45/225, 5-13=-208/157, 5-11=0/153, 5-10=-567/304, 6-10=0/125, 7-10=-346/735, 7-9=-1011/666, 3-14=-1096/544

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 397 lb uplift at joint 9 and 521 lb uplift at joint 14.

**LOAD CASE(S)** Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T09   | SPECIAL    | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:01 2005 Page 1 |     |                              |

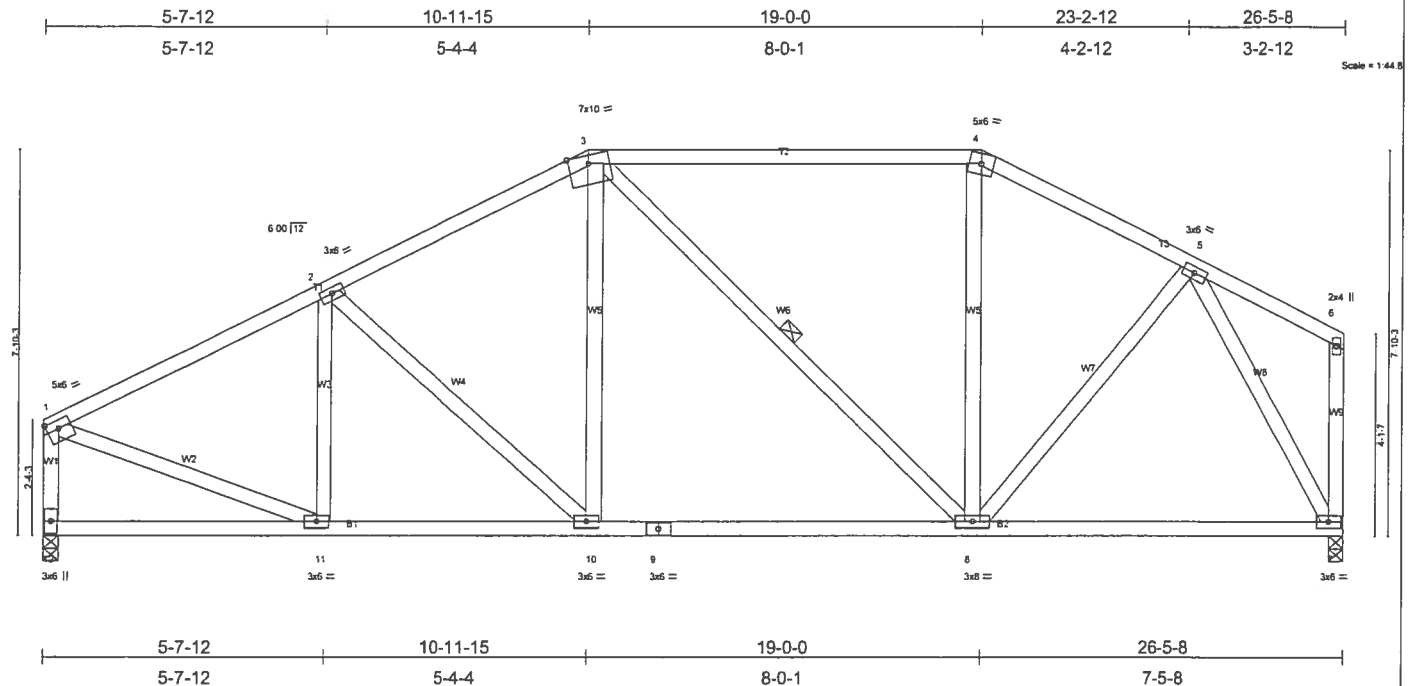


Plate Offsets (X,Y): [1:0-2-12:0-2-0]

| LOADING (psf) | SPACING              | CSI      | DEFL                         | PLATES         | GRIP    |
|---------------|----------------------|----------|------------------------------|----------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.54  | in (loc) l/defl L/d          | MT20           | 244/190 |
| TCCL 7.0      | Plates Increase 1.25 | BC 0.39  | Vert(LL) -0.09 8-10 >999 240 |                |         |
| BCCL 10.0     | Lumber Increase 1.25 | WB 0.66  | Vert(TL) -0.14 8-10 >999 180 |                |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) | Horz(TL) 0.03 7 n/a n/a      |                |         |
|               | Code FBC2004/TPI2002 |          |                              | Weight: 172 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 5-4-2 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 8-1-2 oc bracing.  
 WEBS 1 Row at midpt 3-8

**REACTIONS** (lb/size) 12=1099/0-3-8, 7=1099/0-3-8

Max Horz 12=217(load case 5)  
 Max Uplift 12=428(load case 5), 7=413(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1202/666, 2-3=-1137/711, 3-4=-825/611, 4-5=-941/603, 5-6=-89/57, 1-12=-1010/583, 6-7=-118/94  
 BOT CHORD 11-12=-245/104, 10-11=-612/1013, 9-10=-492/974, 8-9=-492/974, 7-8=-296/528  
 WEBS 2-11=-202/188, 2-10=-81/184, 3-10=-84/252, 3-8=-270/162, 4-8=-25/142, 5-8=-185/485, 1-11=-414/974, 5-7=-1004/600

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 428 lb uplift at joint 12 and 413 lb uplift at joint 7.

LOAD CASE(S) Standard

|                                           |       |            |                                                                             |     |                              |
|-------------------------------------------|-------|------------|-----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                         | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T10   | SPECIAL    | 1                                                                           | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 Mittek Industries, Inc. Thu Dec 08 15:25:02 2005 Page 1 |     |                              |

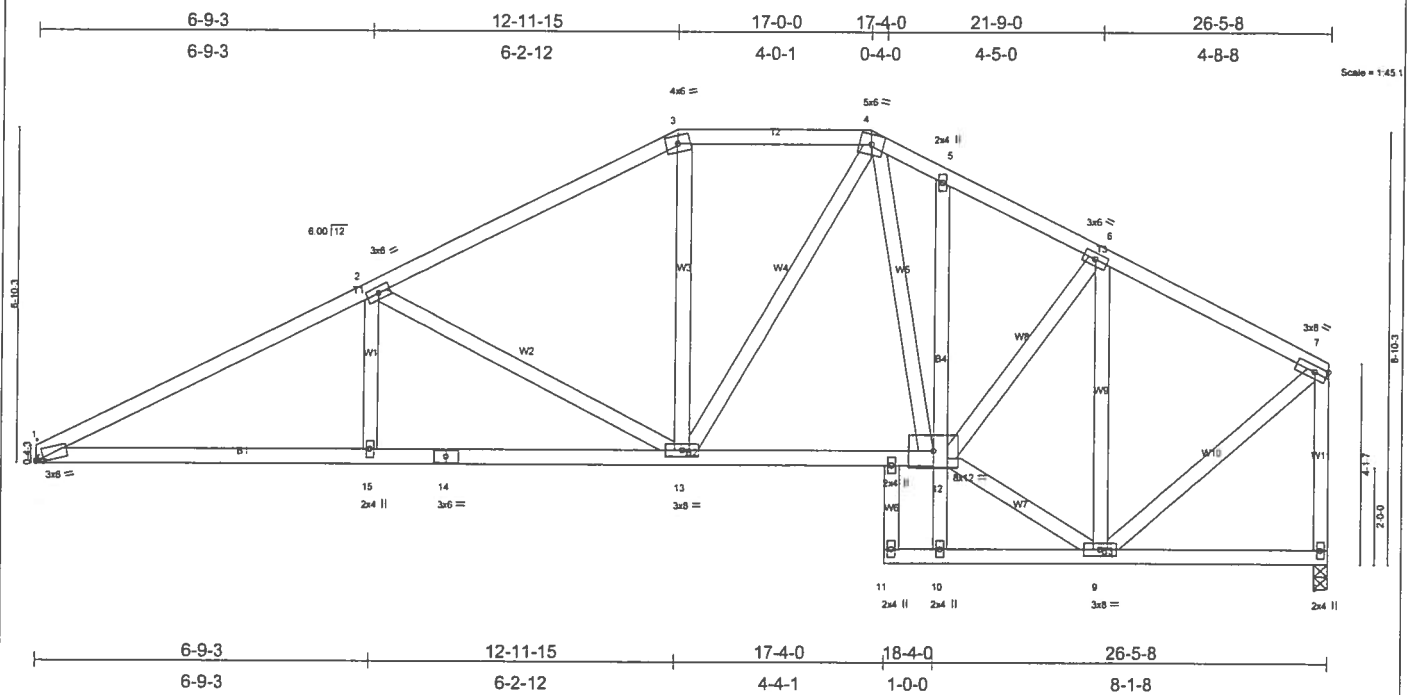


Plate Offsets (X,Y): [1:0-1-12,0-0-7]

| 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) | 0.12     | 1-15   | >999 | 240    | MT20           |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.56  | Vert(TL) | -0.20    | 1-15   | >999 | 180    | 244/190        |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.60  | Horz(TL) | 0.08     | 8      | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |          |        |      |        |                |
|               |                      |       |          |          |          |        |      |        | Weight: 178 lb |

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2 "Except"  
 B4 2 X 4 SYP No.3  
 WEBS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-0-11 oc purins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS**

(lb/size) 1=1114/Mechanical, 8=1126/0-3-8  
 Max Horz 1=181(load case 5)  
 Max Uplift 1=-457(load case 5), 8=-426(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension

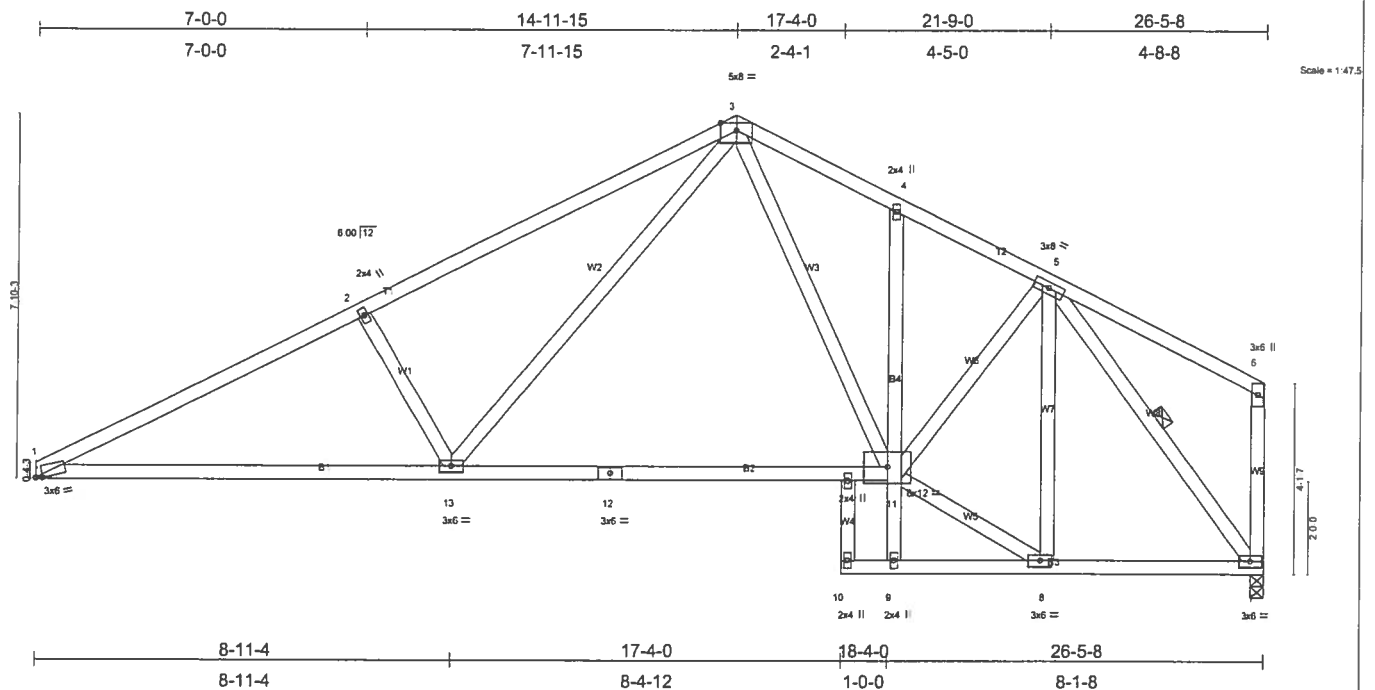
TOP CHORD 1-2=2015/1055, 2-3=1369/802, 3-4=1157/795, 4-5=1227/827, 5-6=1260/764, 6-7=849/475, 7-8=1054/601  
 BOT CHORD 1-15=946/1732, 14-15=946/1732, 13-14=946/1732, 12-13=444/1039, 10-12=0/80, 5-12=94/129, 10-11=0/0, 9-10=15/0, 8-9=23/33  
 WEBS 2-15=0/232, 2-13=663/494, 3-13=78/293, 4-13=163/308, 6-12=206/600, 7-9=431/890, 6-9=895/526, 9-12=394/834, 4-12=167/230

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 1 and 426 lb uplift at joint 8.

LOAD CASE(S) Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T11   | SPECIAL    | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:03 2005 Page 1 |     |                              |



| Plate Offsets (X,Y): [1:0-1-12,0-0-7] |      |                      |      |          |      |          |                       |                |         |
|---------------------------------------|------|----------------------|------|----------|------|----------|-----------------------|----------------|---------|
| LOADING (psf)                         |      | SPACING 2-0-0        |      | CSI      |      | DEFL     |                       | PLATES GRIP    |         |
| TCLL                                  | 20.0 | Plates Increase      | 1.25 | TC       | 0.59 | Vert(LL) | -0.20 1-13 l/defl l/d | MT20           | 244/190 |
| TCDL                                  | 7.0  | Lumber Increase      | 1.25 | BC       | 0.63 | Vert(TL) | -0.33 1-13 >999 240   |                |         |
| BCLL                                  | 10.0 | Rep Stress Incr      | YES  | WB       | 0.81 | Horz(TL) | 0.08 7 >947 180       |                |         |
| BCDL                                  | 5.0  | Code FBC2004/TPI2002 |      | (Matrix) |      |          | n/a n/a               |                |         |
|                                       |      |                      |      |          |      |          |                       | Weight: 168 lb |         |

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2 \*Except\*  
               B4 2 X 4 SYP No.3  
 WEBS 2 X 4 SYP No.3

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| <b>BRACING</b>   |                                                                                        |
| <b>TOP CHORD</b> | Structural wood sheathing directly applied or 3-9-10 oc purlins, except end verticals. |
| <b>BOT CHORD</b> | Rigid ceiling directly applied or 6-0-0 oc bracing.                                    |
| <b>WEBS</b>      | 1 Row at midpt                      5-7                                                |

**REACTIONS** (lb/size) 1=1114/Mechanical, 7=1126/0-3-8  
Max Horz 1=198(load case 5)  
Max Uplift1=-468(load case 5), 7=-441(load case 6)

**FORCES (lb)** - Maximum Compression/Maximum Tension  
**TOP CHORD** 1-2=1958/1081, 2-3=1785/1086, 3-4=1241/826, 4-5=1280/774, 5-6=92/108, 6-7=138/156  
**BOT CHORD** 1-13=973/1702, 12-13=432/979, 11=124/32799, 9-11=0/73, 4-11=160/124, 9-10=0/0, 8-9=73/0, 7-8=360/712  
**WEBS** 2-13=400/480, 1-3=481/846, 3-11=166/442, 5-11=205/623, 5-7=1140/566, 5-8=351/247, 6-11=390/911

## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust);  $h=20ft$ ; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.80 plate girder DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 468 lb uplift at joint 1 and 441 lb uplift at joint 7.

LOAD CASE(S) Standard

**DECEMBER 09, 2005 TRUSS DESIGN ENGINEER:  
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987  
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196  
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T12   | SPECIAL    | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:04 2005 Page 1 |     |                              |

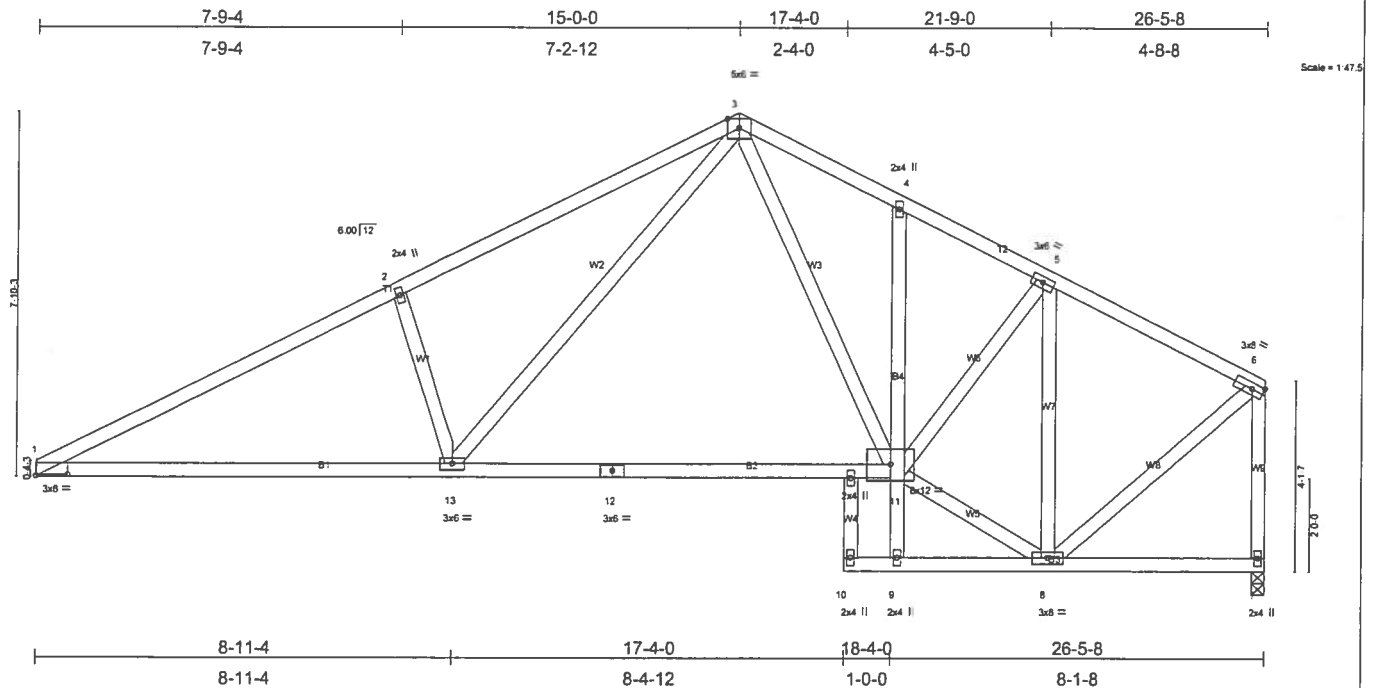


Plate Offsets (X,Y): [1:0-8-0,0-0-6]

| 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) | -0.23    | 1-13   | >999 | 240    | MT20           |
| TCOL 7.0      | Lumber Increase      | 1.25  | BC 0.79  | Vert(TL) | -0.38    | 1-13   | >838 | 180    | 244/190        |
| BCCL 10.0     | Rep Stress Incr      | YES   | WB 0.94  | Horz(TL) | 0.07     | 7      | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |          |        |      |        | Weight: 166 lb |

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2 \*Except\*  
 B4 2 X 4 SYP No.3  
 WEBS 2 X 4 SYP No.3

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (lb/size) 1=1114/Mechanical, 7=1126/0-3-8  
 Max Horz 1=198(load case 5)  
 Max Uplift 1=468(load case 5), 7=441(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-1918/1038, 2-3=-1816/1146, 3-4=-1263/842, 4-5=-1278/774, 5-6=-850/484, 6-7=-1055/610  
 BOT CHORD 1-13=-917/1657, 12-13=-422/971, 11-12=-422/971, 9-11=0/72, 4-11=-166/145, 9-10=0/0, 8-9=-67/0, 7-8=-23/32  
 WEBS 2-13=-407/489, 3-13=-559/911, 3-11=-184/447, 5-11=-207/622, 5-8=-924/529, 6-8=-441/893, 8-11=-383/904

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 468 lb uplift at joint 1 and 441 lb uplift at joint 7.

LOAD CASE(S) Standard

|                                           |       |            |                                                                             |     |                              |
|-------------------------------------------|-------|------------|-----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                         | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T13   | COMMON     | 2                                                                           | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 Mittek Industries, Inc. Thu Dec 08 15:25:05 2005 Page 1 |     |                              |

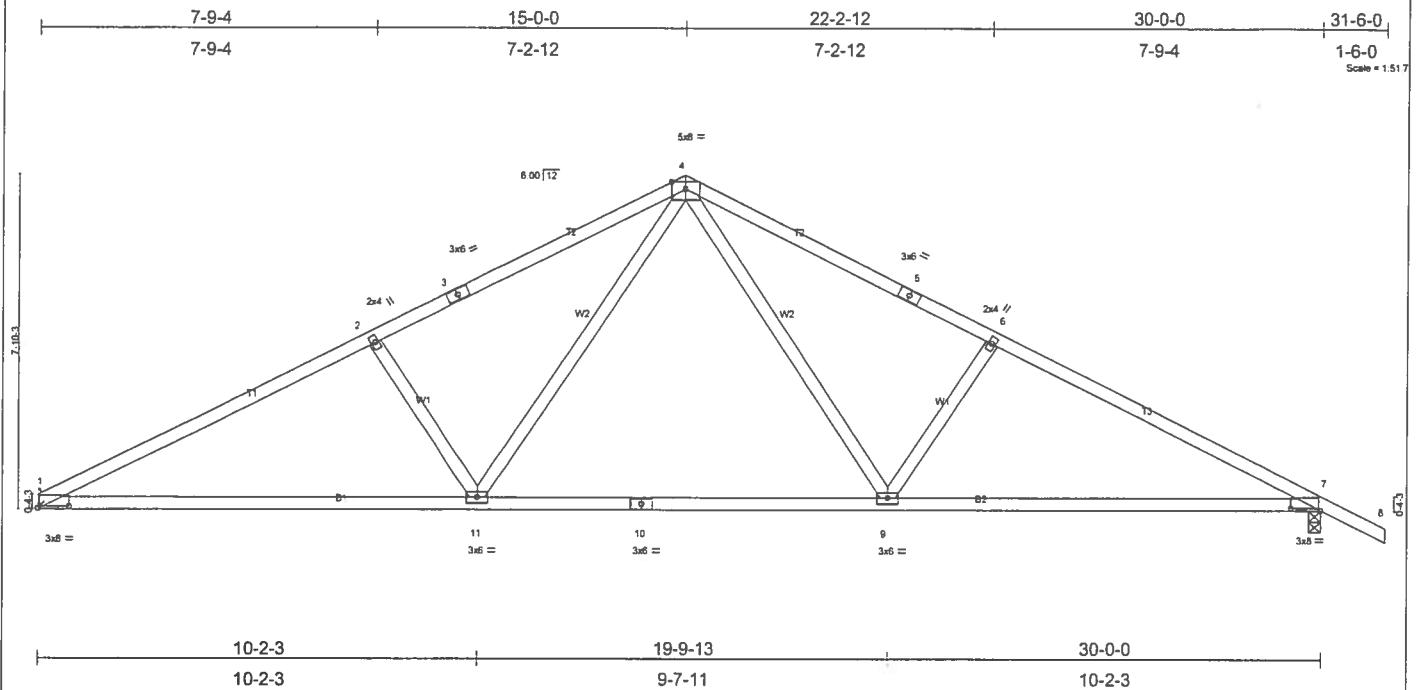


Plate Offsets (X,Y): [1:0-8-8,0-0-10], [7:0-8-8,0-0-10]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | In (loc) | I/defl | L/d  | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|----------|--------|------|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.70  | Vert(LL) | -0.35    | 1-11   | >999 | 240    | 244/190        |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.69  | Vert(TL) | -0.58    | 1-11   | >611 | 180    |                |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.59  | Horz(TL) | 0.08     | 7      | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |          |        |      |        |                |
|               |                      |       |          |          |          |        |      |        | Weight: 136 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 2-11-15 oc purtins.  
 BOT CHORD Rigid ceiling directly applied or 6-2-15 oc bracing.

**REACTIONS** (lb/size) 1=1245/Mechanical, 7=1339/0-3-8  
 Max Horz 1=-180(load case 6)  
 Max Uplift 1=-522(load case 5), 7=-640(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-2152/1210, 2-3=-1946/1166, 3-4=-1852/1191, 4-5=-1842/1172, 5-6=-1936/1147, 6-7=-2142/1189, 7-8=0/35  
 BOT CHORD 1-11=-885/1865, 10-11=-412/1242, 9-10=-412/1242, 7-9=-862/1853  
 WEBS 2-11=-408/463, 4-11=-414/791, 4-9=-385/777, 6-9=-401/450

**NOTES**  
 1) Unbalanced roof live loads have been considered for this design.  
 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 3) Refer to girder(s) for truss to truss connections.  
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 522 lb uplift at joint 1 and 640 lb uplift at joint 7.

**LOAD CASE(S)** Standard

|                                           |               |                      |                                                                                                        |          |                              |
|-------------------------------------------|---------------|----------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T13A | Truss Type<br>COMMON | Qty<br>1                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |               |                      | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:06 2005 Page 1 |          |                              |

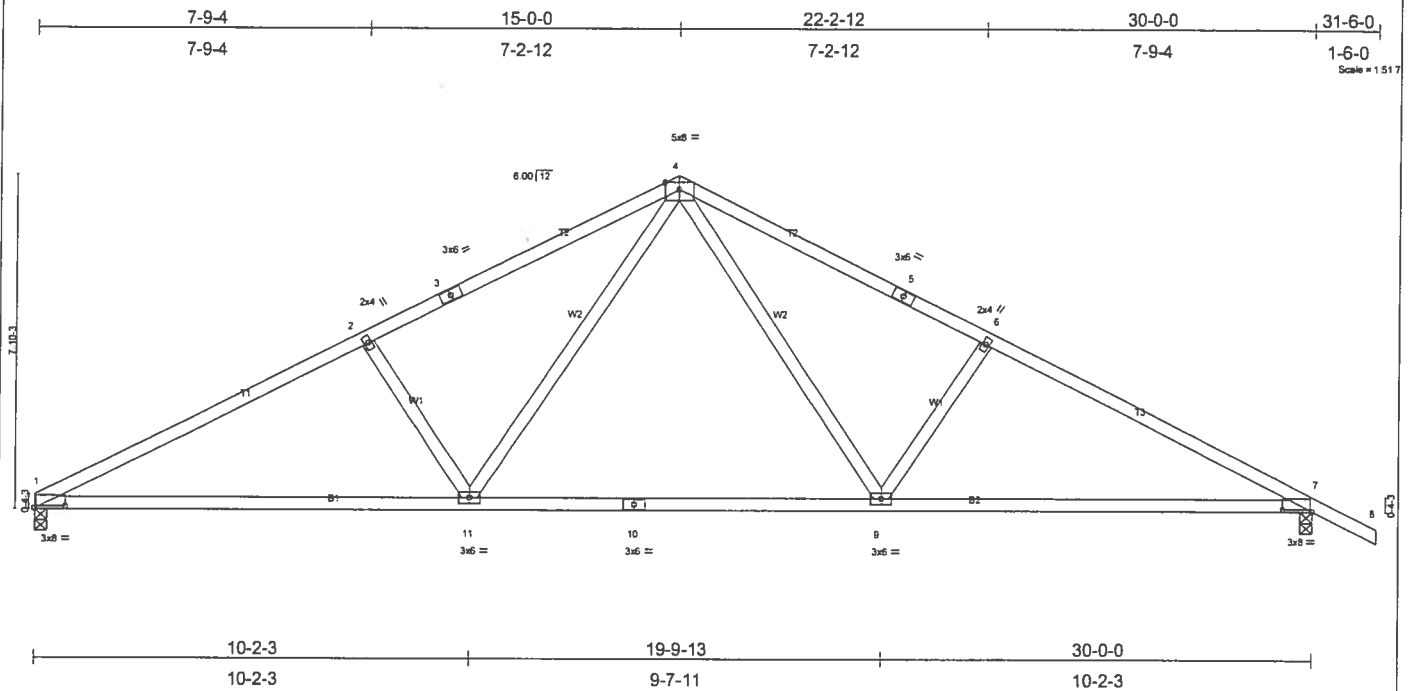


Plate Offsets (X,Y): [1:0-8-8,0-0-10], [7:0-8-8,0-0-10]

| LOADING (psf) | SPACING              | CSI      | DEFL                         | PLATES         | GRIP    |
|---------------|----------------------|----------|------------------------------|----------------|---------|
| TCLL 20.0     | 2-0-0                | TC 0.70  | in (loc) l/defl L/d          | MT20           | 244/190 |
| TCDL 7.0      | Plates Increase 1.25 | BC 0.69  | Vert(LL) -0.35 1-11 >999 240 |                |         |
| BCCL 10.0     | Lumber Increase 1.25 | WB 0.59  | Vert(TL) -0.58 1-11 >611 180 |                |         |
| BCDL 5.0      | Rep Stress Incr YES  | (Matrix) | Horz(TL) 0.08 7 n/a n/a      |                |         |
|               | Code FBC2004/TPI2002 |          |                              | Weight: 136 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 2-11-15 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-2-15 oc bracing.

**REACTIONS** (lb/size) 1=1245/0-3-8, 7=1339/0-3-8  
 Max Horz 1=180(load case 6)  
 Max Uplift 1=522(load case 5), 7=640(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-2152/1210, 2-3=-1946/1166, 3-4=-1852/1191, 4-5=-1842/1172, 5-6=-1936/1147, 6-7=-2142/1189, 7-8=0/35  
 BOT CHORD 1-11=-885/1865, 10-11=-412/1242, 9-10=-412/1242, 7-9=-862/1853  
 WEBS 2-11=-408/463, 4-11=-414/791, 4-9=-385/777, 6-9=-401/450

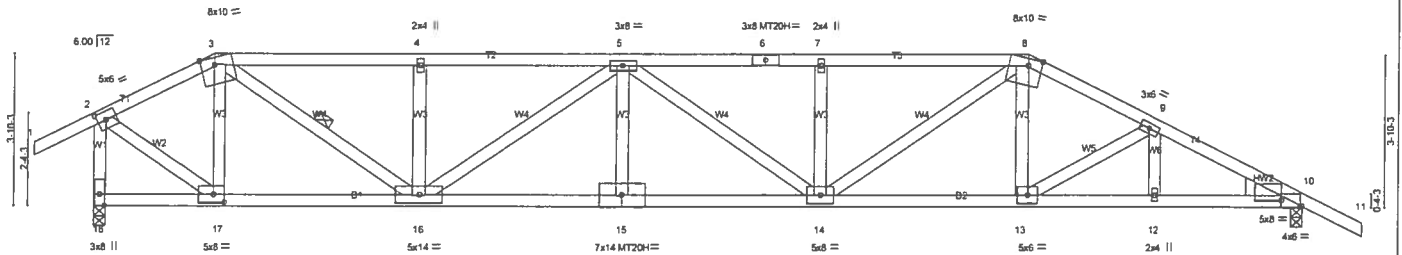
**NOTES**  
 1) Unbalanced roof live loads have been considered for this design.  
 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 522 lb uplift at joint 1 and 640 lb uplift at joint 7.

**LOAD CASE(S)** Standard

|                                            |              |                   |                                 |          |                              |
|--------------------------------------------|--------------|-------------------|---------------------------------|----------|------------------------------|
| Job<br>L142258                             | Truss<br>T14 | Truss Type<br>HIP | Qty<br>1                        | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055  |              |                   | Job Reference (optional)        |          |                              |
| 6,200 s Jul 13 2005 MiTek Industries, Inc. |              |                   | Tnu Dec 08 15 25 07 2005 Page 1 |          |                              |

|        |         |        |        |        |        |          |        |        |
|--------|---------|--------|--------|--------|--------|----------|--------|--------|
| -1-6-0 | 2-11-15 | 8-2-13 | 13-4-0 | 18-5-2 | 23-8-0 | 26-10-12 | 30-8-0 | 32-2-0 |
| 1-6-0  | 2-11-15 | 5-2-14 | 5-1-2  | 5-1-2  | 5-2-14 | 3-2-12   | 3-9-4  | 1-6-0  |

Scale = 1:55



|         |        |        |        |        |          |        |
|---------|--------|--------|--------|--------|----------|--------|
| 2-11-15 | 8-2-13 | 13-4-0 | 18-5-2 | 23-8-0 | 26-10-12 | 30-8-0 |
| 2-11-15 | 5-2-14 | 5-1-2  | 5-1-2  | 5-2-14 | 3-2-12   | 3-9-4  |

|                                                                                                                             |                      |            |                               |                |             |  |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------|------------|-------------------------------|----------------|-------------|--|
| Plate Offsets (X,Y): [2:0-2-11,0-2-8], [3:0-4-3,Edge], [8:0-4-3,Edge], [10:0-0-8,Edge], [10:0-6-8,0-1-12], [17:0-3-8,0-2-8] |                      |            |                               |                |             |  |
| <b>LOADING</b> (psf)                                                                                                        | <b>SPACING</b>       | <b>CSI</b> | <b>DEFL</b>                   | <b>PLATES</b>  | <b>GRIP</b> |  |
| TCLL 20.0                                                                                                                   | Plates Increase 1.25 | TC 0.82    | in (loc) l/defl L/d           | MT20           | 244/190     |  |
| TCDL 7.0                                                                                                                    | Lumber Increase 1.25 | BC 0.98    | Vert(LL) -0.45 14-15 >812 240 | MT20H          | 187/143     |  |
| BCLL 10.0                                                                                                                   | Rep Stress Incr NO   | WB 0.91    | Vert(TL) -0.72 14-15 >506 180 |                |             |  |
| BCDL 5.0                                                                                                                    | Code FBC2004/TPI2002 | (Matrix)   | Horz(TL) 0.19 10 n/a n/a      |                |             |  |
|                                                                                                                             |                      |            |                               | Weight: 175 lb |             |  |

|                                                                            |                                                                                                  |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>LUMBER</b>                                                              | <b>BRACING</b>                                                                                   |
| TOP CHORD 2 X 4 SYP No.2                                                   | TOP CHORD Structural wood sheathing directly applied or 1-11-7 oc purlins, except end verticals. |
| BOT CHORD 2 X 4 SYP No.1D                                                  | BOT CHORD Rigid ceiling directly applied or 3-7-11 oc bracing.                                   |
| WEBS 2 X 4 SYP No.3 "Except"                                               | WEBS 1 Row at midpt 3-16                                                                         |
| W4 2 X 4 SYP No.2, W4 2 X 4 SYP No.2, W4 2 X 4 SYP No.2, W4 2 X 4 SYP No.2 |                                                                                                  |
| <b>WEDGE</b>                                                               |                                                                                                  |
| Right: 2 X 6 SYP No.1D                                                     |                                                                                                  |

**REACTIONS** (lb/size) 18=3129/0-3-8, 10=2699/0-3-8  
 Max Horiz 18=-130(load case 2)  
 Max Uplift 18=-1648(load case 3), 10=-1438(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/40, 2-3=2656/1485, 3-4=4973/2820, 4-5=4973/2821, 5-6=6085/3438, 6-7=6085/3438, 7-8=6086/3438, 8-9=5091/2808,  
 9-10=5184/2726, 10-11=0/35, 2-18=2953/1573  
 BOT CHORD 17-18=221/32, 16-17=1254/2316, 15-16=3388/6188, 14-15=3388/6189, 13-14=2433/4581, 12-13=2342/4527, 10-12=2342/4527  
 WEBS 3-17=1033/736, 3-16=1837/3217, 4-16=623/629, 5-16=1488/842, 5-15=0/333, 5-14=175/118, 7-14=616/625, 8-14=1096/1875,  
 8-13=328/795, 9-13=190/160, 9-12=0/52, 2-17=1579/2851

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1648 lb uplift at joint 18 and 1438 lb uplift at joint 10.
- Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 2-11-15
- Girder carries hip end with 7-0-0 right side setback, 2-11-15 left side setback, and 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 348 lb up at 23-8-0, and 231 lb down and 149 lb up at 2-11-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-2=54, 2-3=54, 3-8=118(F=64), 8-11=54, 17-18=129(F=99), 13-17=65(F=35), 10-13=30  
 Concentrated Loads (lb)  
 Vert: 17=231(F) 13=539(F)

|                                                                            |       |            |                          |     |                              |
|----------------------------------------------------------------------------|-------|------------|--------------------------|-----|------------------------------|
| Job                                                                        | Truss | Truss Type | Qty                      | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                                                    | T15   | HIP        | 1                        | 1   |                              |
| Builders FirstSource, Lake City, FL 32055                                  |       |            | Job Reference (optional) |     |                              |
| 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:08 2005 Page 1 |       |            |                          |     |                              |

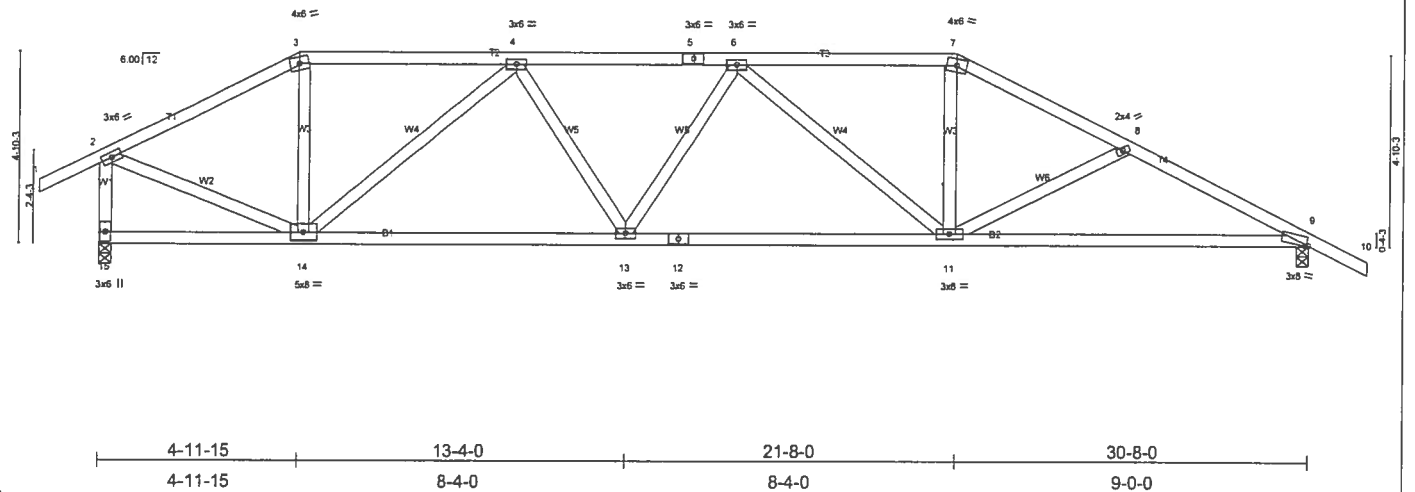
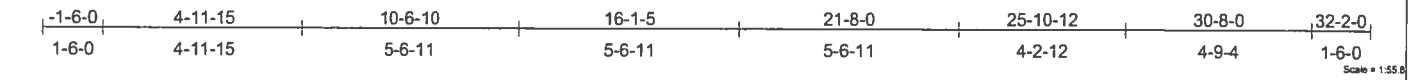


Plate Offsets (X,Y): [9:0-0-10:Edge]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) | l/def | L/d  | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|----------|-------|------|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.29  | Vert(LL) | -0.20    | 9-11  | >999 | 240    | MT20           |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.62  | Vert(TL) | -0.33    | 9-11  | >999 | 180    | 244/190        |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.85  | Horz(TL) | 0.08     | 9     | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |          |       |      |        |                |
|               |                      |       |          |          |          |       |      |        | Weight: 165 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 3-10-2 oc purins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-6-14 oc bracing.

**REACTIONS** (lb/size) 15=1365/0-3-8, 9=1365/0-3-8  
 Max Horz 15=-147(load case 3)  
 Max Uplift 15=-543(load case 5), 9=-598(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/40, 2-3=-1394/758, 3-4=-1205/743, 4-5=-2092/1162, 5-6=-2092/1162, 6-7=-1825/1041, 7-8=-2069/1085, 8-9=-2307/1226, 9-10=0/35, 2-15=-1307/811  
 BOT CHORD 14-15=-42/140, 13-14=-782/1912, 12-13=-882/2122, 11-12=-882/2122, 9-11=-930/2015  
 WEBS 3-14=-82/369, 4-14=-959/500, 4-13=-68/359, 6-13=-72/125, 6-11=-479/326, 7-11=-225/631, 8-11=-238/271, 2-14=-508/1261

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 543 lb uplift at joint 15 and 598 lb uplift at joint 9.

LOAD CASE(S) Standard

|                                                                            |       |            |     |     |                              |
|----------------------------------------------------------------------------|-------|------------|-----|-----|------------------------------|
| Job                                                                        | Truss | Truss Type | Qty | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                                                    | T16   | HIP        | 1   | 1   |                              |
| Builders FirstSource, Lake City, FL 32055                                  |       |            |     |     | Job Reference (optional)     |
| 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:09 2005 Page 1 |       |            |     |     |                              |

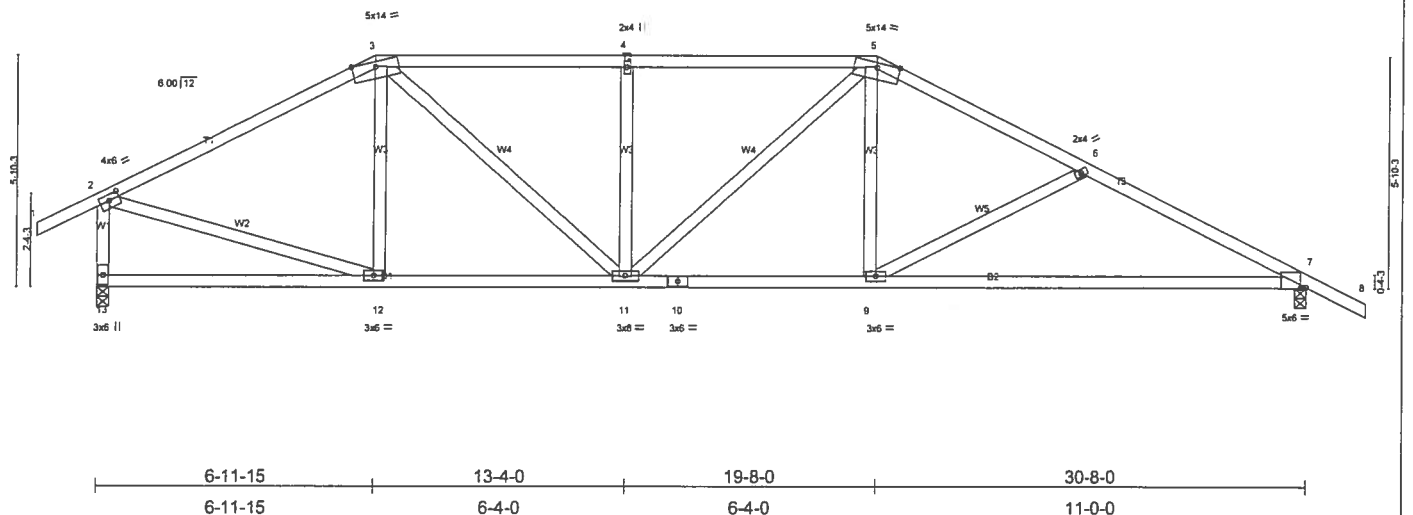
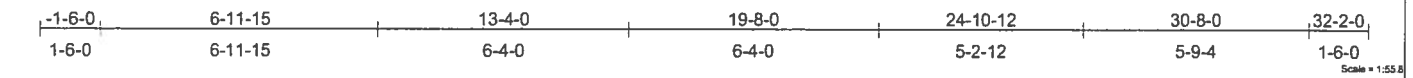


Plate Offsets (X,Y): [2:0-3-0-0-1-12], [7:0-1-11,Edge]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) | l/defl | l/d  | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|----------|--------|------|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.54  | Vert(LL) | -0.38    | 7-9    | >967 | 240    |                |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.78  | Vert(TL) | -0.64    | 7-9    | >566 | 180    |                |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.43  | Horz(TL) | 0.07     | 7      | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |          |        |      |        |                |
|               |                      |       |          |          |          |        |      |        | Weight: 169 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 3-6-14 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-6-12 oc bracing.

**REACTIONS** (lb/size) 13=1365/0-3-8, 7=1365/0-3-8  
Max Horz 13=-165(load case 3)  
Max Uplift 13=-567(load case 5), 7=-618(load case 6)

#### FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/40, 2-3=-1504/827, 3-4=-1739/1060, 4-5=-1739/1060, 5-6=-1920/1038, 6-7=-2243/1232, 7-8=0/35, 2-13=-1259/828  
BOT CHORD 12-13=-100/157, 11-12=-420/1266, 10-11=-601/1668, 9-10=-601/1668, 7-9=-924/1962  
WEBS 3-12=-138/181, 3-11=-337/699, 4-11=-362/314, 5-11=-202/224, 5-9=-110/460, 6-9=-348/367, 2-12=-464/1200

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 567 lb uplift at joint 13 and 618 lb uplift at joint 7.

**LOAD CASE(S)** Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T17   | HIP        | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:10 2005 Page 1 |     |                              |

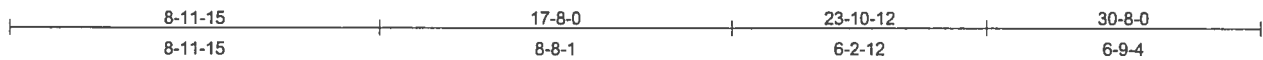
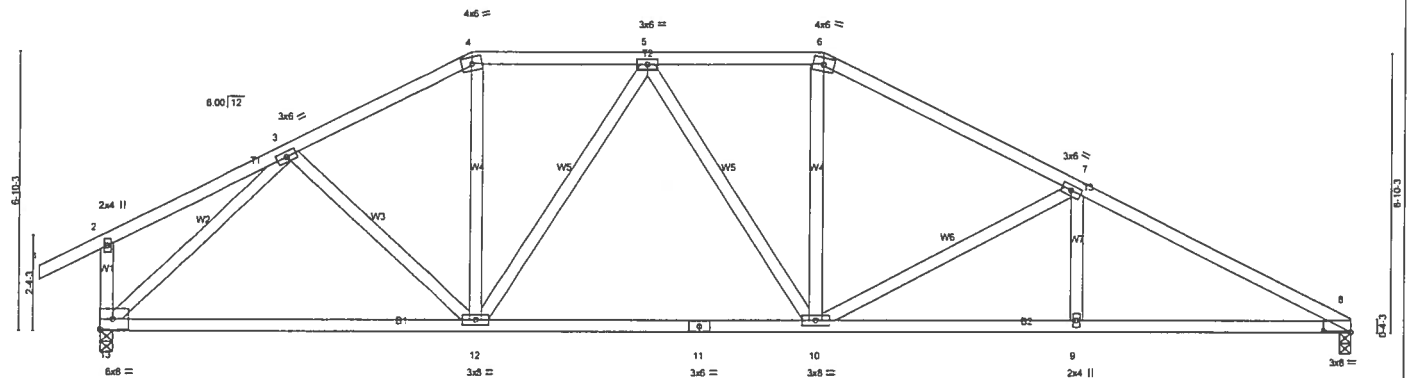
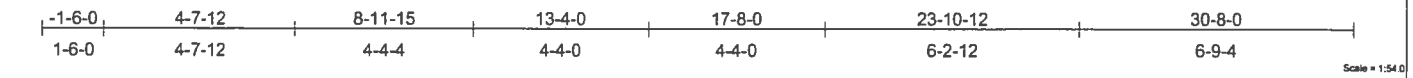


Plate Offsets (X,Y): [8-0-8-0-0-6]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) | l/defl | L/d  | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|----------|--------|------|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.64  | Vert(LL) | -0.16    | 10-12  | >999 | 240    | MT20           |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.61  | Vert(TL) | -0.26    | 10-12  | >999 | 180    | 244/190        |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.90  | Horz(TL) | 0.08     | 8      | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |          |        |      |        | Weight: 174 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 3-8-14 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-1 oc bracing.

**REACTIONS** (lb/size) 8=1273/0-3-8, 13=1367/0-3-8  
 Max Horz 13=-164(load case 3)  
 Max Uplift 8=-518(load case 6), 13=-590(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension

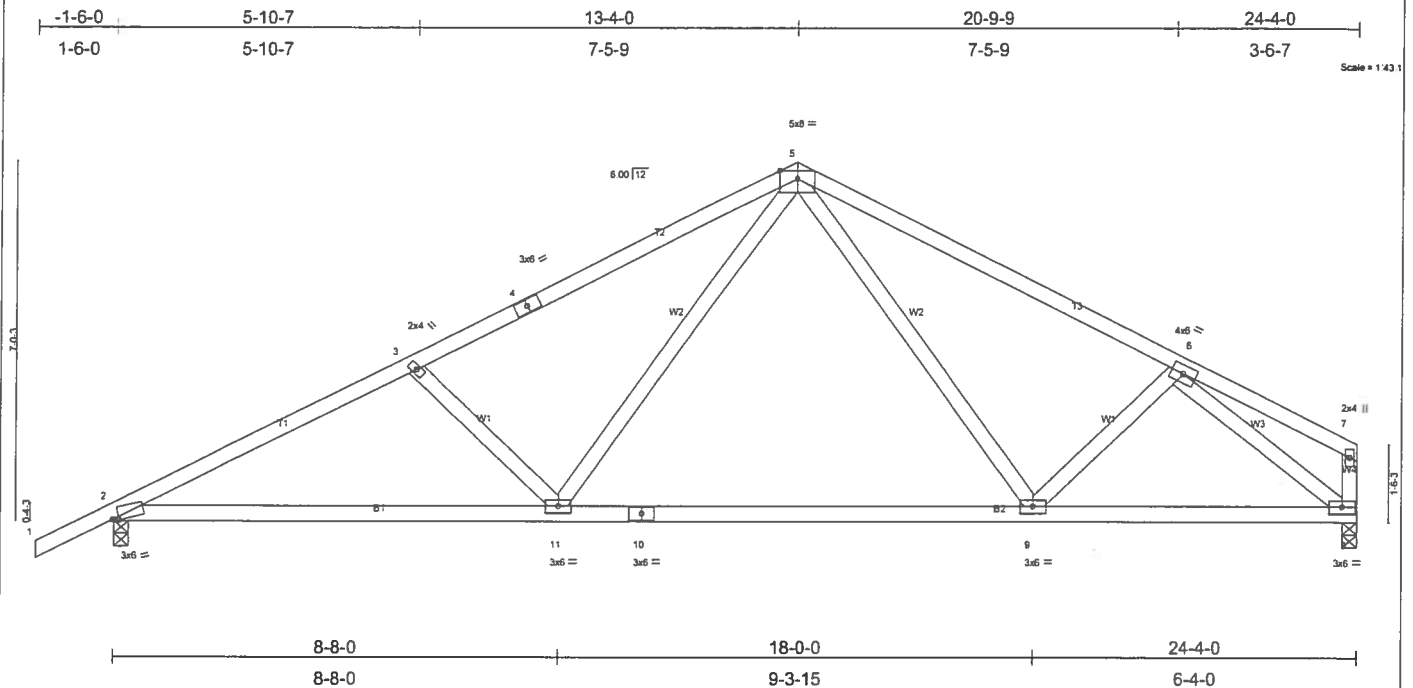
TOP CHORD 1-2=0/40, 2-3=-185/200, 3-4=-1461/881, 4-5=-1270/852, 5-6=-1481/977, 6-7=-1727/1002, 7-8=-2346/1249, 2-13=-280/352  
 BOT CHORD 12-13=-483/1084, 11-12=-570/1440, 10-11=-570/1440, 9-10=-1002/2021, 8-9=-1002/2021  
 WEBS 3-12=-95/320, 4-12=-154/383, 5-12=-388/231, 5-10=-81/133, 6-10=-165/445, 7-10=-628/483, 7-9=0/218, 3-13=-1363/714

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 518 lb uplift at joint 8 and 590 lb uplift at joint 13.

LOAD CASE(S) Standard





| Plate Offsets (X,Y): [2.0-1.5-0.0-7] |                      |            |             |       |       |        |     |                |             |
|--------------------------------------|----------------------|------------|-------------|-------|-------|--------|-----|----------------|-------------|
| <b>LOADING</b> (psf)                 | <b>SPACING</b> 2.0-0 | <b>CSI</b> | <b>DEFL</b> | in    | (loc) | l/defl | L/d | <b>PLATES</b>  | <b>GRIP</b> |
| TCLL 20.0                            | Plates Increase 1.25 | TC 0.49    | Vert(LL)    | -0.17 | 9-11  | >999   | 240 | MT20           | 244/190     |
| TCDL 7.0                             | Lumber Increase 1.25 | BC 0.56    | Vert(TL)    | -0.29 | 9-11  | >982   | 180 |                |             |
| BCLL 10.0                            | Rep Stress Incr YES  | WB 0.46    | Horz(TL)    | 0.05  | 8     | n/a    | n/a |                |             |
| BCDL 5.0                             | Code FBC2004/TP12002 | (Matrix)   |             |       |       |        |     |                |             |
|                                      |                      |            |             |       |       |        |     | Weight: 122 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

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| <b>BRACING</b>   |                                                                                       |
| <b>TOP CHORD</b> | Structural wood sheathing directly applied or 4-5-1 oc purlins, except end verticals. |
| <b>BOT CHORD</b> | Rigid ceiling directly applied or 6-10-3 oc bracing.                                  |

**REACTIONS** (lb/size) 2=1102/0-3-8, 8=1007/0-3-8  
Max Horz 2=215(load case 5)  
Max Uplift 2=-546(load case 5), 8=-411(load case 6)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 1-2=0/35, 2-3=1750/977, 3-4=1522/862, 4-5=1357/881, 5-6=1271/762, 6-7=101/31, 7-8=79/40  
**BOT CHORD** 2-11=852/1519, 10-11=411/915, 9-10=411/915, 8-9=588/1028  
**WEBS** 3-11=361/402, 5-11=275/666, 5-9=113/327, 6-9=37/205, 6-8=1281/788

## NOTES

- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

LOAD CASE(S) Standard

**DECEMBER 09, 2005 TRUSS DESIGN ENGINEER:  
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987  
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196  
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T19A  | HIP        | 1                                                                          | 1   |                              |
| Builders FirstSource, Lake City, FL 32055 |       |            | Job Reference (optional)                                                   |     |                              |
|                                           |       |            | 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Dec 08 15:25:13 2005 Page 1 |     |                              |

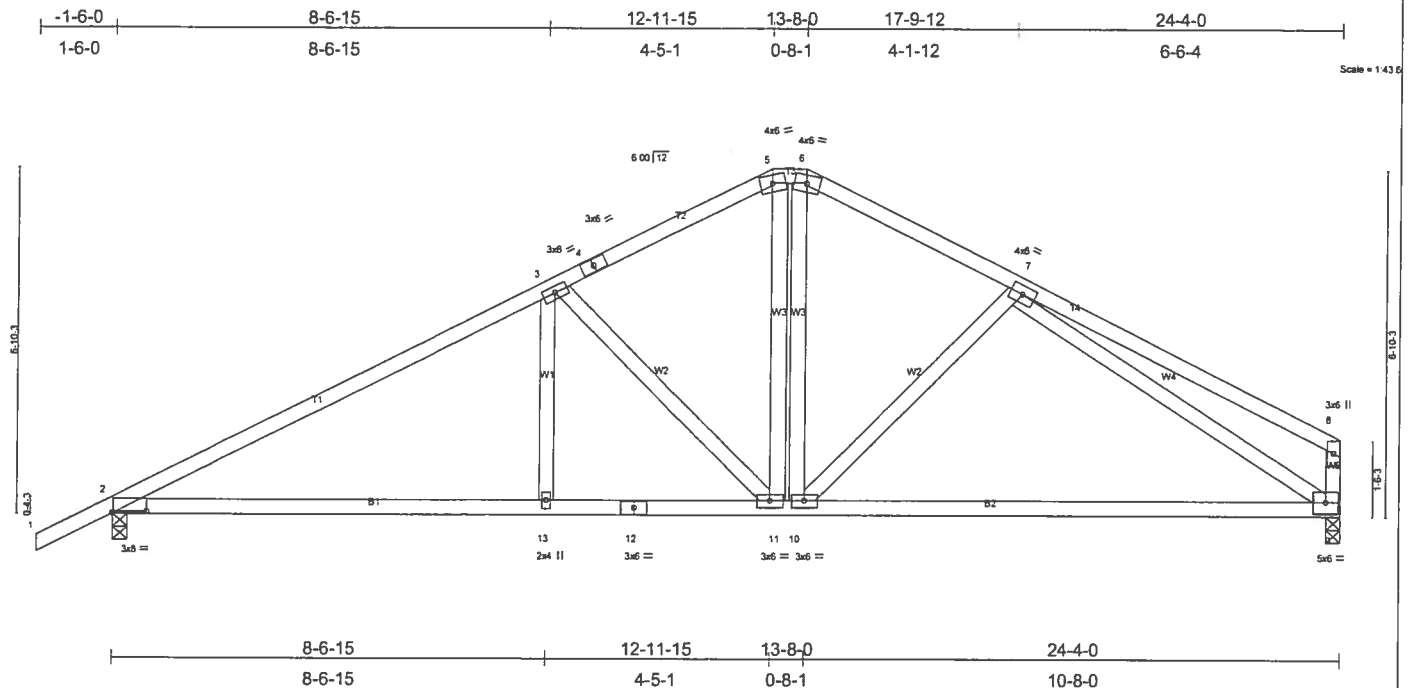


Plate Offsets (X,Y): [2-0-8-4,0-0-6]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP    |
|---------------|----------------------|-------|----------|----------|-------|-------|--------|-----|----------------|---------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.59  | Vert(LL) | -0.24 | 9-10  | >999   | 240 | MT20           | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.64  | Vert(TL) | -0.41 | 9-10  | >704   | 180 |                |         |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.83  | Horz(TL) | 0.05  | 9     | n/a    | n/a |                |         |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |       |       |        |     |                |         |
|               |                      |       |          |          |       |       |        |     | Weight: 134 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\*  
 W5 2 X 4 SYP No.2

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-0-1 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-11-15 oc bracing.

**REACTIONS**

(lb/size) 2=1102/0-3-8, 9=1007/0-3-8  
 Max Horz 2=213(load case 5)  
 Max Uplift 2=544(load case 5), 9=409(load case 6)

**FORCES (lb) - Maximum Compression/Maximum Tension**

TOP CHORD 1-2=0/35, 2-3=1640/864, 3-4=1122/710, 4-5=1102/724, 5-6=939/682, 6-7=1107/709, 7-8=522/270, 8-9=376/282  
 BOT CHORD 2-13=700/1374, 12-13=700/1370, 11-12=700/1370, 10-11=363/939, 9-10=556/1049  
 WEBS 3-13=0/243, 3-11=623/481, 5-11=357/293, 6-10=111/469, 7-10=212/277, 7-9=799/516

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 544 lb uplift at joint 2 and 409 lb uplift at joint 9.

LOAD CASE(S) Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T20   | SPECIAL    | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Dec 08 15:25:14 2005 Page 1 |     |                              |

|        |       |        |        |        |        |        |        |
|--------|-------|--------|--------|--------|--------|--------|--------|
| -1-6-0 | 5-5-7 | 13-4-0 | 16-0-8 | 19-4-8 | 24-9-2 | 30-0-0 | 31-6-0 |
| 1-6-0  | 5-5-7 | 7-10-9 | 2-8-8  | 3-4-0  | 5-4-10 | 5-2-14 | 1-6-0  |

Scale = 1:553

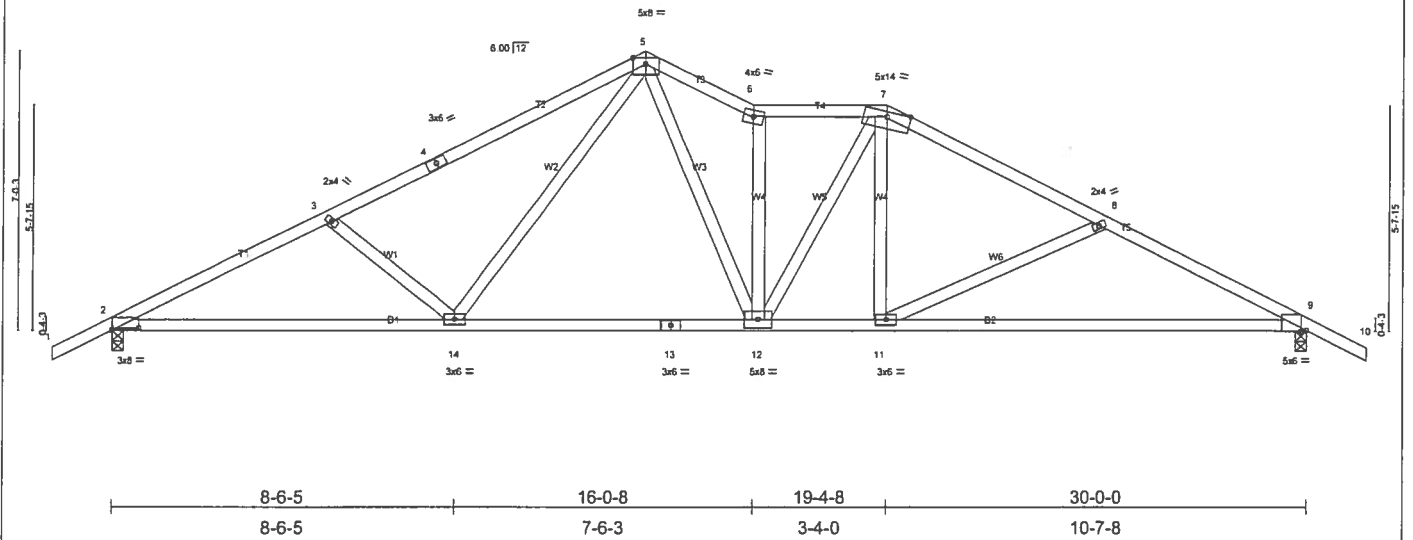


Plate Offsets (X,Y): [2:0-8-4,0-0-10], [9:0-1-11,Edge]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) | l/defl | L/d  | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|----------|--------|------|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.62  | Vert(LL) | -0.33    | 9-11   | >999 | 240    | MT20           |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.74  | Vert(TL) | -0.57    | 9-11   | >626 | 180    | 244/190        |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.44  | Horz(TL) | 0.09     | 9      | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |          |        |      |        |                |
|               |                      |       |          |          |          |        |      |        | Weight: 160 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 3-8-14 oc purins.  
 BOT CHORD Rigid ceiling directly applied or 6-4-5 oc bracing.

**REACTIONS** (lb/size) 2=1337/0-3-8, 9=1337/0-3-8  
 Max Horz 2=145(load case 5)  
 Max Uplift 2=627(load case 5), 9=655(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/35, 2-3=2284/1273, 3-4=2032/1116, 4-5=1937/1136, 5-6=1903/1166, 6-7=1702/1046, 7-8=1888/1036, 8-9=2216/1243, 9-10=0/35  
 BOT CHORD 2-14=980/2000, 13-14=497/1378, 12-13=497/1378, 11-12=612/1637, 9-11=943/1943  
 WEBS 3-14=363/430, 5-14=266/617, 5-12=431/944, 6-12=838/474, 7-12=99/165, 7-11=91/419, 8-11=358/365

#### NOTES

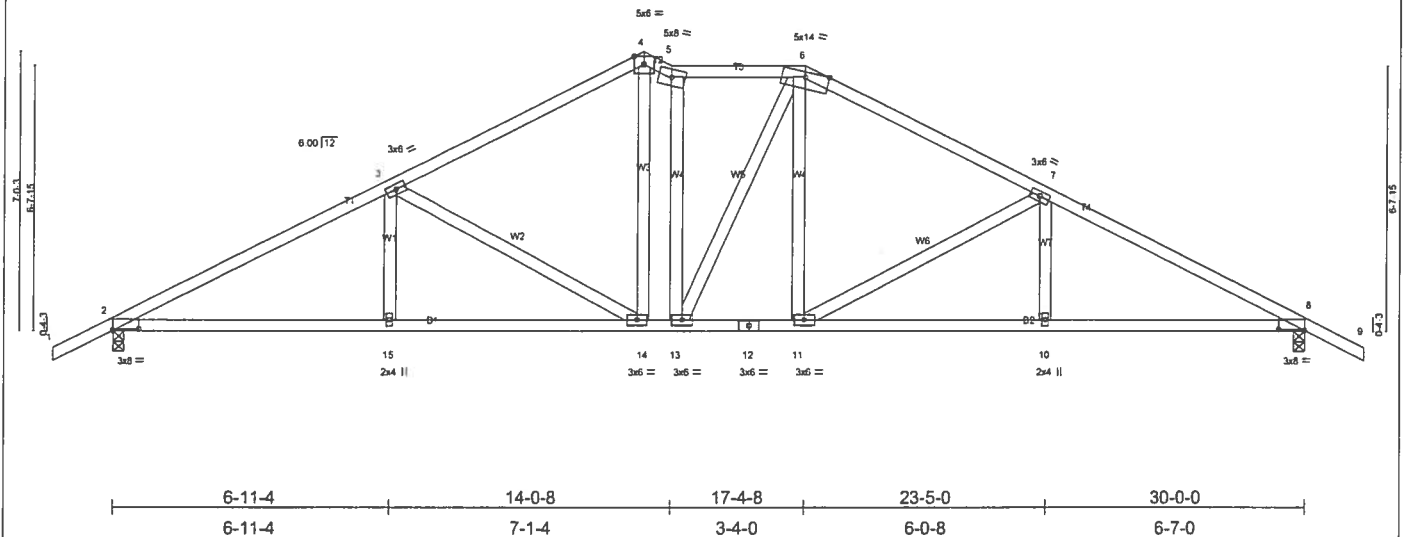
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 627 lb uplift at joint 2 and 655 lb uplift at joint 9.

**LOAD CASE(S)** Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T21   | SPECIAL    | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Dec 08 15:25:15 2005 Page 1 |     |                              |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| -1-6-0 | 6-11-4 | 13-4-0 | 14-0-8 | 17-4-8 | 23-5-0 | 30-0-0 | 31-6-0 |
| 1-6-0  | 6-11-4 | 6-4-12 | 0-8-8  | 3-4-0  | 6-0-8  | 6-7-0  | 1-6-0  |

Scale = 1:553



|                                                       |                      |       |          |          |                      |
|-------------------------------------------------------|----------------------|-------|----------|----------|----------------------|
| Plate Offsets (X,Y): [2:0-8-0-0-0-6], [8:0-8-0-0-0-6] |                      |       |          |          |                      |
| LOADING (psf)                                         | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) l/defl L/d  |
| TCLL 20.0                                             | Plates Increase      | 1.25  | TC 0.44  | Vert(LL) | -0.15 10-11 >999 240 |
| TCDL 7.0                                              | Lumber Increase      | 1.25  | BC 0.57  | Vert(TL) | -0.24 10-11 >999 180 |
| BCLL 10.0                                             | Rep Stress Incr      | YES   | WB 0.59  | Horz(TL) | 0.09 8 n/a n/a       |
| BCDL 5.0                                              | Code FBC2004/TPI2002 |       | (Matrix) |          |                      |
| Weight: 167 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 3-9-13 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-8-6 oc bracing.

**REACTIONS** (lb/size) 2=1337/0-3-8, 8=1337/0-3-8  
 Max Horz 2=145(load case 5)  
 Max Uplift 2=627(load case 5), 8=655(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/35, 2-3=2251/1174, 3-4=-1647/971, 4-5=-1331/846, 5-6=-1403/932, 6-7=-1682/983, 7-8=-2274/1184, 8-9=0/35  
 BOT CHORD 2-15=-858/1931, 14-15=-858/1931, 13-14=-479/1407, 12-13=-506/1447, 11-12=-506/1447, 10-11=-872/1955, 8-10=-872/1955  
 WEBS 3-15=0/228, 3-14=-632/433, 5-13=-156/73, 6-13=-251/137, 6-11=-183/483, 7-11=-592/420, 7-10=0/213, 4-14=-239/639

**NOTES**  
 1) Unbalanced roof live loads have been considered for this design.  
 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 3) Provide adequate drainage to prevent water ponding.  
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 627 lb uplift at joint 2 and 655 lb uplift at joint 8.

**LOAD CASE(S)** Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T22   | HIP        | 1                                                                          | 1   |                              |
|                                           |       |            |                                                                            |     | Job Reference (optional)     |
| Builders FirstSource, Lake City, FL 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:16 2005 Page 1 |     |                              |

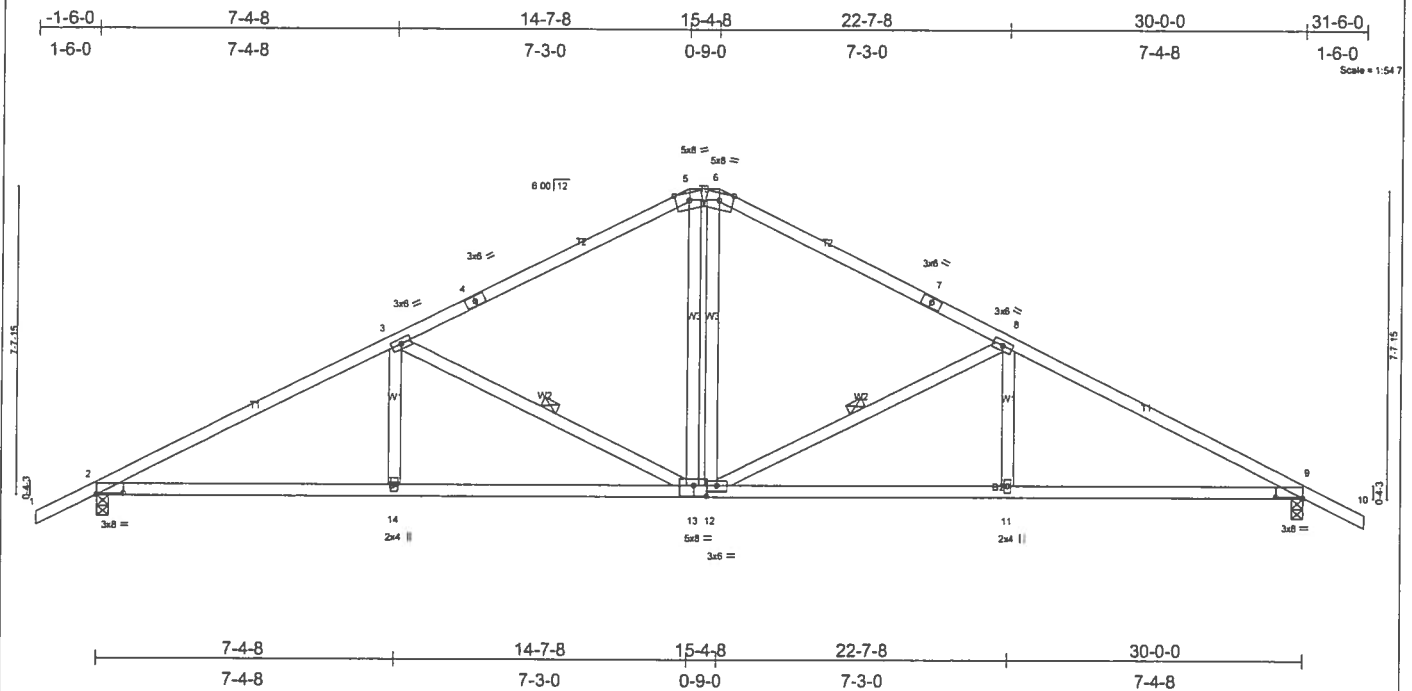


Plate Offsets (X,Y): [2:0-8-0.0-0-6], [9:0-8-0.0-0-6], [13:0-4-0.0-3-0]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) | l/defl | L/d  | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|----------|--------|------|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.48  | Vert(LL) | -0.16    | 13-14  | >999 | 240    | MT20           |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.62  | Vert(TL) | -0.26    | 13-14  | >999 | 180    | 244/190        |
| BCLL 10.0     | Rep Stress Incr      | YES   | WB 0.25  | Horz(TL) | 0.09     | 9      | n/a  | n/a    |                |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |          |        |      |        | Weight: 155 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 3-9-5 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-7-12 oc bracing.  
WEBS 1 Row at midpt 3-13, 8-12

**REACTIONS** (lb/size) 2=1337/0-3-8, 9=1337/0-3-8  
Max Horz 2=156(load case 5)  
Max Uplift 2=636(load case 5), 9=636(load case 6)

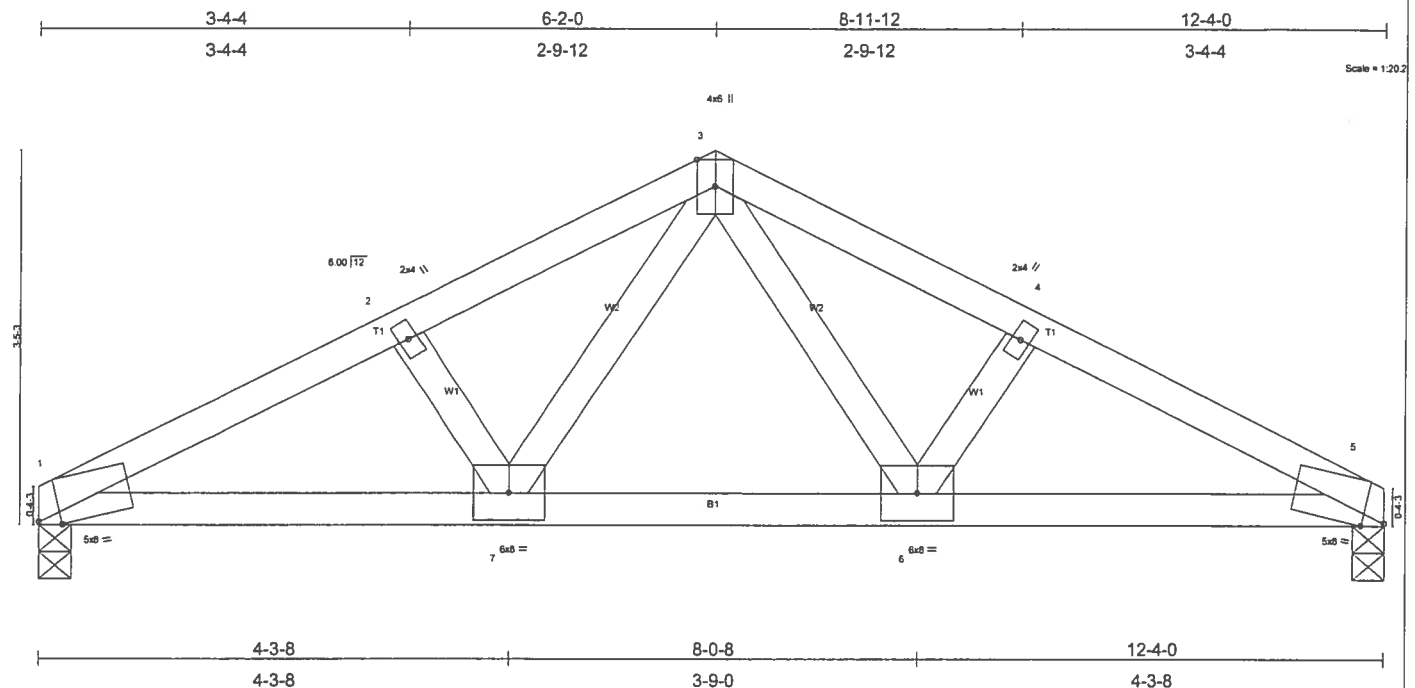
**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/35, 2-3=2244/1183, 3-4=1525/896, 4-5=1434/921, 5-6=1291/922, 6-7=1435/921, 7-8=1526/897, 8-9=2244/1183, 9-10=0/35  
BOT CHORD 2-14=-862/1924, 13-14=-862/1924, 12-13=-408/1291, 11-12=-862/1924, 9-11=-862/1924  
WEBS 3-14=0/261, 3-13=-745/514, 5-13=-235/535, 6-12=-236/534, 8-12=-743/513, 8-11=0/261

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 636 lb uplift at joint 2 and 636 lb uplift at joint 9.

**LOAD CASE(S)** Standard

|                                           |              |                      |                                                                            |          |                              |
|-------------------------------------------|--------------|----------------------|----------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T23 | Truss Type<br>COMMON | Qty<br>1                                                                   | Ply<br>2 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                      | Job Reference (optional)                                                   |          |                              |
|                                           |              |                      | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:17 2005 Page 1 |          |                              |



| Plate Offsets (X,Y): [1:0-2-7,Edge], [5:0-2-7,Edge] |                      |       |          |                             |              |
|-----------------------------------------------------|----------------------|-------|----------|-----------------------------|--------------|
| LOADING (psf)                                       | SPACING              | 2-0-0 | CSI      | DEFL                        | PLATES       |
| TCLL 20.0                                           | Plates Increase      | 1.25  | TC 0.54  | in (loc) l/defl L/d         | MT20         |
| TCDL 7.0                                            | Lumber Increase      | 1.25  | BC 0.82  | Vert(LL) -0.11 1-7 >999 240 | GRIP 244/190 |
| BCLL 10.0                                           | Rep Stress Incr      | NO    | WB 0.49  | Vert(TL) -0.17 1-7 >854 180 |              |
| BCDL 5.0                                            | Code FBC2004/TPI2002 |       | (Matrix) | Horz(TL) 0.04 5 n/a n/a     |              |
| Weight: 109 lb                                      |                      |       |          |                             |              |

| LUMBER                    | BRACING                                                                   |
|---------------------------|---------------------------------------------------------------------------|
| TOP CHORD 2 X 4 SYP No.2  | TOP CHORD Structural wood sheathing directly applied or 4-8-2 oc purlins. |
| BOT CHORD 2 X 4 SYP No.1D | BOT CHORD Rigid ceiling directly applied or 8-9-15 oc bracing.            |
| WEBS 2 X 4 SYP No.3       |                                                                           |

**REACTIONS** (lb/size) 1=4009/0-3-8, 5=4009/0-3-8  
 Max Horz 1=-54(load case 2)  
 Max Uplift 1=-1900(load case 4), 5=-1900(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-6099/2882, 2-3=-6014/2884, 3-4=-6013/2884, 4-5=-6099/2882  
 BOT CHORD 1-7=-2572/5404, 6-7=-1740/3791, 5-6=-2520/5404  
 WEBS 2-7=-119/150, 3-7=-1463/3037, 3-6=-1464/3037, 4-6=-119/150

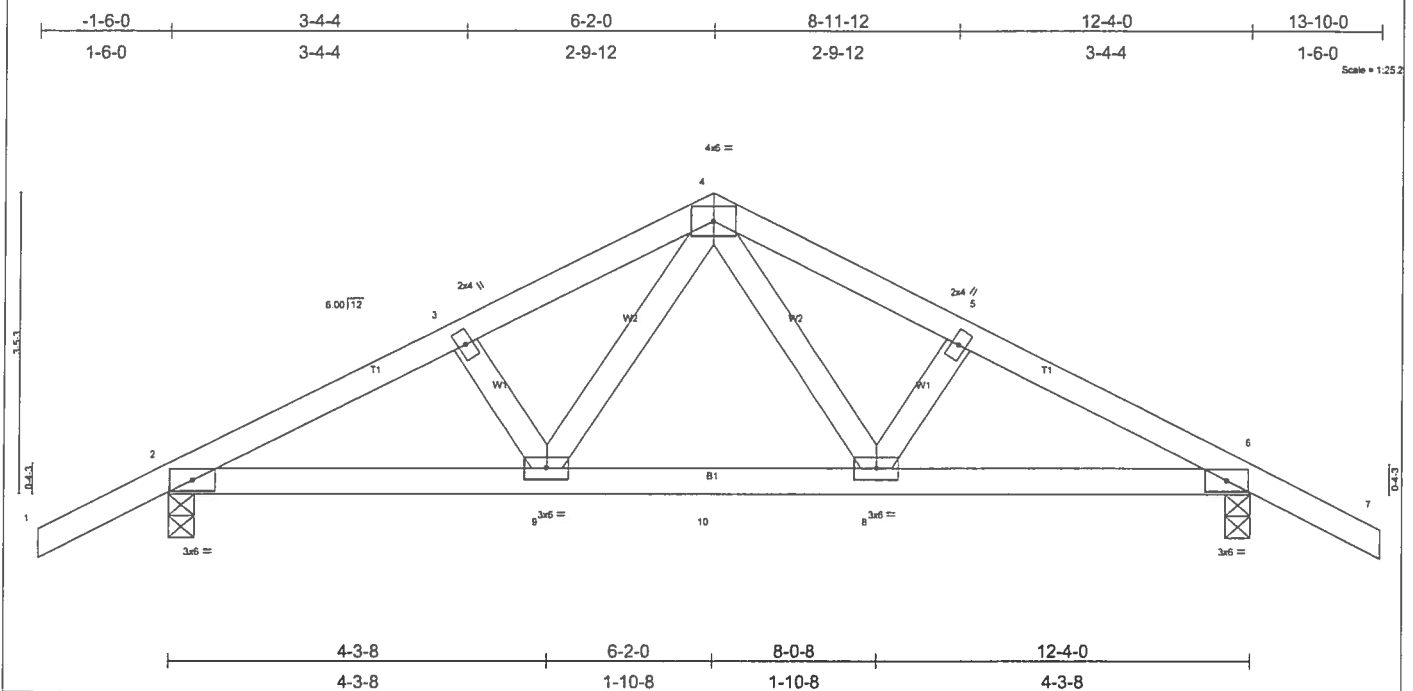
#### NOTES

- 2-ply truss to be connected together with 0.131"x3" Nails as follows:  
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
 Bottom chords connected as follows: 2 X 4 - 1 row at 0-4-0 oc.  
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1900 lb uplift at joint 1 and 1900 lb uplift at joint 5.
- Girder carries tie-in span(s): 30-0-0 from 0-0-0 to 12-4-0

#### LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-3=-54, 3-5=-54, 1-5=-612(F=-582)

|                                           |              |                      |                                                                                                        |          |                              |
|-------------------------------------------|--------------|----------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T24 | Truss Type<br>COMMON | Qty<br>1                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                      | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:18 2005 Page 1 |          |                              |



|                      |                       |            |                             |               |             |
|----------------------|-----------------------|------------|-----------------------------|---------------|-------------|
| <b>LOADING</b> (psf) | <b>SPACING</b>        | <b>CSI</b> | <b>DEFL</b>                 | <b>PLATES</b> | <b>GRIP</b> |
| TCLL 20.0            | 2-0-0                 | TC 0.28    | in (loc) l/defl L/d         | MT20          | 244/190     |
| TCCL 7.0             | Plates Increase 1.25  | BC 0.78    | Vert(LL) 0.12 8-9 >999 240  |               |             |
| BCCL 10.0            | Lumber Increase 1.25  | WB 0.24    | Vert(TL) -0.17 8-9 >838 180 |               |             |
| BCDL 5.0             | Rep Stress Incr NO    | (Matrix)   | Horz(TL) 0.02 6 n/a n/a     |               |             |
|                      | Code FBC2004/TP1/2002 |            |                             | Weight: 59 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 4-7-12 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 7-5-9 oc bracing.

**REACTIONS** (lb/size) 2=997/0-3-8, 6=998/0-3-8  
 Max Horz 2=-85(load case 5)  
 Max Uplift 2=-591(load case 4), 6=-591(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/35, 2-3=-1734/894, 3-4=-1644/900, 4-5=-1644/901, 5-6=-1734/895, 6-7=0/35  
 BOT CHORD 2-9=-752/1477, 9-10=-501/1083, 8-10=-501/1083, 6-8=-709/1477  
 WEBS 3-9=-51/87, 4-9=-399/735, 4-8=-399/735, 5-8=-51/88

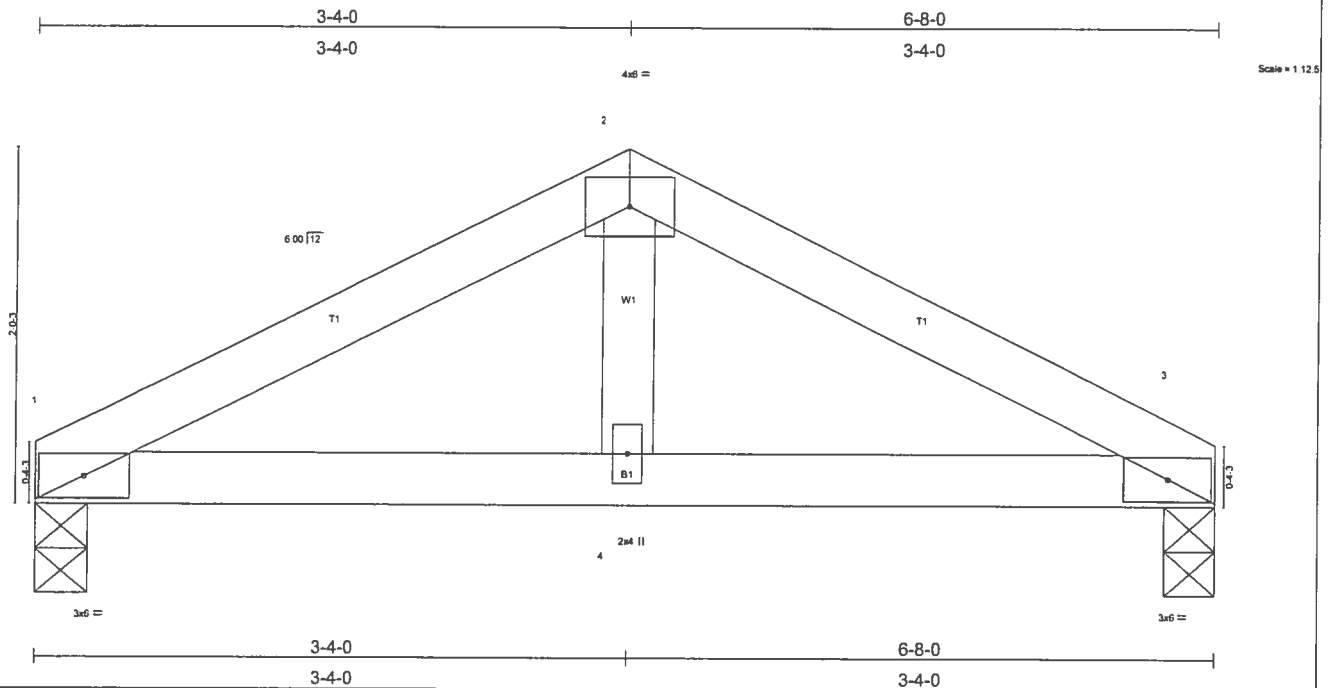
#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 591 lb uplift at joint 2 and 591 lb uplift at joint 6.
- Girder carries hip end with 6-2-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 806 lb down and 520 lb up at 6-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-4=-54, 4-7=-54, 2-6=-30  
 Concentrated Loads (lb)  
 Vert: 10=-806(F)

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T25   | COMMON     | 1                                                                          | 1   | Job Reference (optional)     |
| Builders FirstSource, Lake City, Fl 32055 |       |            | 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:18 2005 Page 1 |     |                              |



| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | In (loc) | I/defl | L/d  | PLATES | GRIP          |
|---------------|----------------------|-------|----------|----------|----------|--------|------|--------|---------------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.17  | Vert(LL) | -0.02    | 3-4    | >999 | 240    | MT20          |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.41  | Vert(TL) | -0.03    | 3-4    | >999 | 180    | 244/190       |
| BCCL 10.0     | Rep Stress Incr      | NO    | WB 0.16  | Horz(TL) | 0.01     | 3      | n/a  | n/a    |               |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |          |        |      |        | 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 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 1=583/0-3-8, 3=583/0-3-8  
 Max Horz 1=-29(load case 2)  
 Max Uplift 1=-264(load case 4), 3=-264(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-745/313, 2-3=-745/312  
 BOT CHORD 1-4=-238/628, 3-4=-238/628  
 WEBS 2-4=-162/501

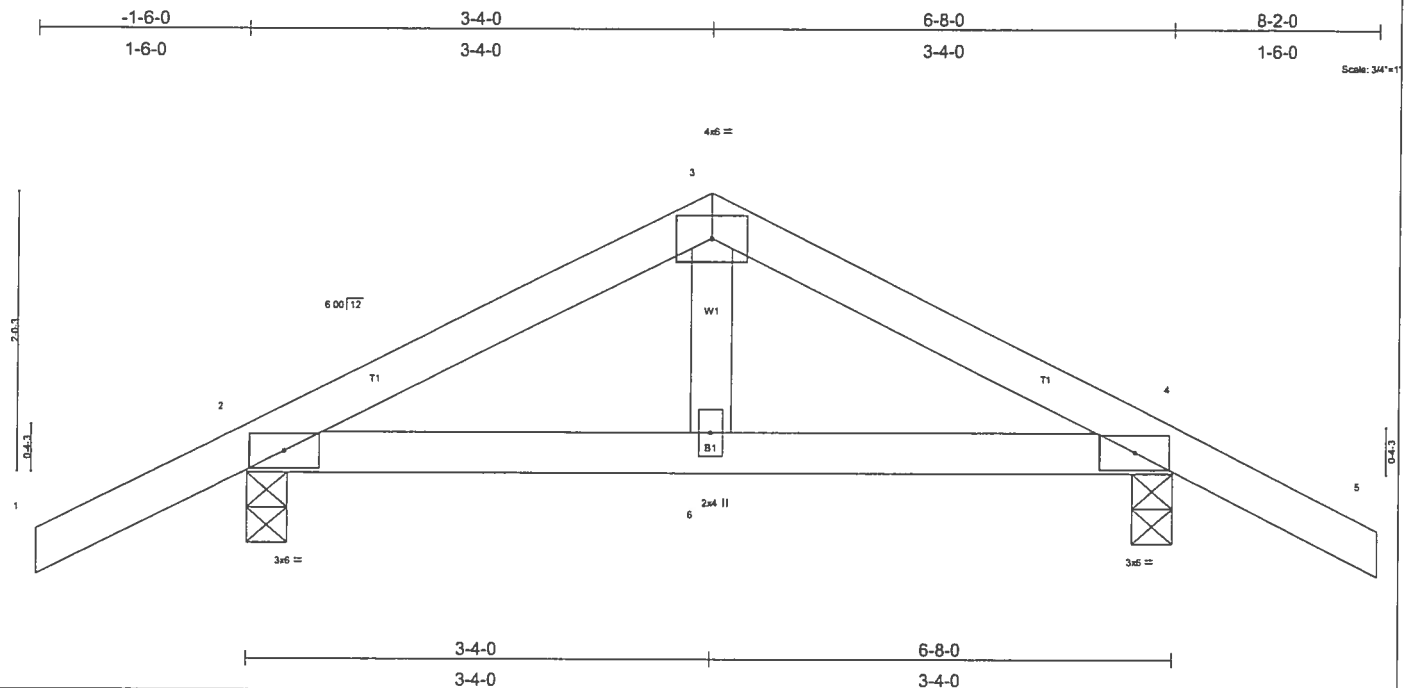
#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 1 and 264 lb uplift at joint 3.
- 4) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 6-8-0
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-2=-54, 2-3=-54, 1-3=-129(F=-99)

|                                           |              |                      |                                                                                                        |          |                              |
|-------------------------------------------|--------------|----------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T26 | Truss Type<br>COMMON | Qty<br>1                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |              |                      | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:19 2005 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 0.21  | Vert(LL) | -0.00 | 4-6   | >999   | 240 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.10  | Vert(TL) | -0.01 | 4-6   | >999   | 180 |               |         |
| BCCL 10.0     | Rep Stress Incr      | YES   | WB 0.04  | Horz(TL) | 0.00  | 4     | n/a    | n/a |               |         |
| BCDL 5.0      | Code FBC2004/TP12002 |       | (Matrix) |          |       |       |        |     |               |         |
|               |                      |       |          |          |       |       |        |     | Weight: 28 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.

**REACTIONS** (lb/size) 2=357/0-3-8, 4=357/0-3-8  
 Max Horz 2=62(load case 5)  
 Max Uplift 2=-236(load case 5), 4=-236(load case 6)

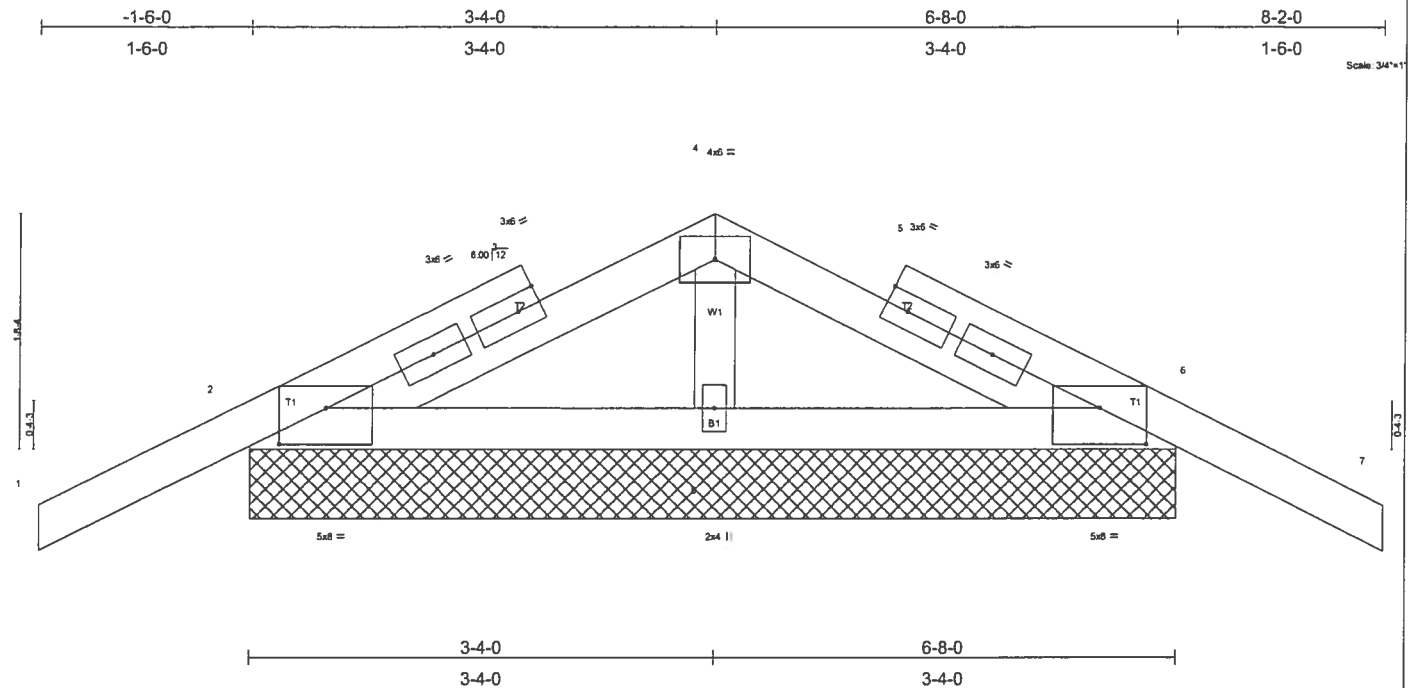
**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/35, 2-3=-307/142, 3-4=-307/142, 4-5=0/35  
 BOT CHORD 2-6=0/225, 4-6=0/225  
 WEBS 3-6=0/116

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 2 and 236 lb uplift at joint 4.

**LOAD CASE(S)** Standard

|                                           |       |            |                                                                            |     |                              |
|-------------------------------------------|-------|------------|----------------------------------------------------------------------------|-----|------------------------------|
| Job                                       | Truss | Truss Type | Qty                                                                        | Ply | HUGO- LOT 23 ROLLING MEADOWS |
| L142258                                   | T26G  | COMMON     | 1                                                                          | 1   |                              |
| Builders FirstSource, Lake City, FL 32055 |       |            | Job Reference (optional)                                                   |     |                              |
|                                           |       |            | 6.200 s Jul 13 2005 MITek Industries, Inc. Thu Dec 08 15:25:20 2005 Page 1 |     |                              |



|                                                       |                      |       |          |                          |               |
|-------------------------------------------------------|----------------------|-------|----------|--------------------------|---------------|
| Plate Offsets (X,Y): [2:0-4-0,0-3-1], [6:0-4-0,0-3-1] |                      |       |          |                          |               |
| LOADING (psf)                                         | SPACING              | 2-0-0 | CSI      | DEFL                     | PLATES        |
| TCLL 20.0                                             | Plates Increase      | 1.25  | TC 0.25  | in (loc) l/defl L/d      | MT20          |
| BCDL 7.0                                              | Lumber Increase      | 1.25  | BC 0.09  | Vert(LL) -0.01 7 n/r 120 | GRIP          |
| BCDL 10.0                                             | Rep Stress Incr      | NO    | WB 0.07  | Vert(TL) -0.01 7 n/r 90  | 244/190       |
| BCDL 5.0                                              | Code FBC2004/TPI2002 |       | (Matrix) | Horz(TL) 0.00 6 n/a n/a  | Weight: 33 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 6-8-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS** (lb/size) 2=309/6-8-0, 6=310/6-8-0, 8=422/6-8-0  
 Max Horz 2=56(load case 5)  
 Max Uplift 2=240(load case 5), 6=250(load case 6), 8=137(load case 5)  
 Max Grav 2=317(load case 9), 6=317(load case 10), 8=422(load case 1)

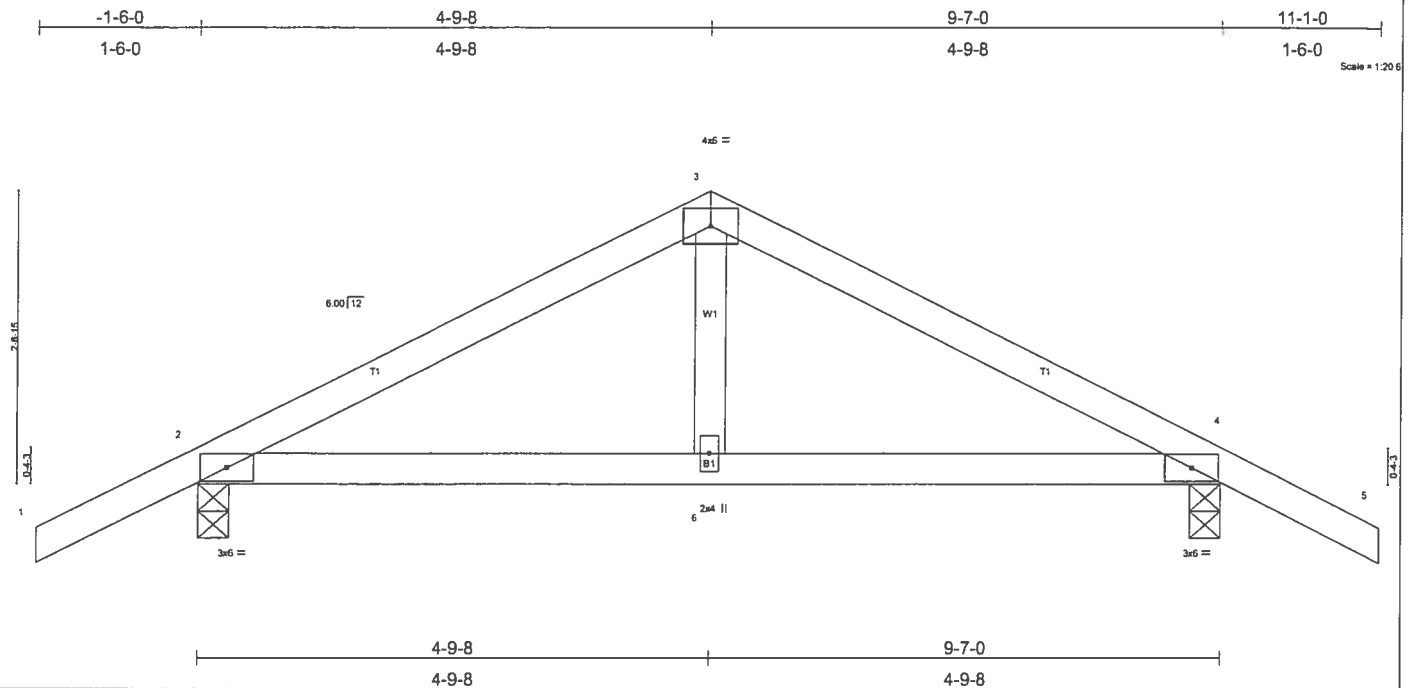
**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-11/56, 2-3=-35/85, 3-4=-44/125, 4-5=-44/125, 5-6=-37/85, 6-7=-11/56  
 BOT CHORD 2-8=-79/164, 6-8=-79/164  
 WEBS 4-8=-297/261

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MITek "Standard Gable End Detail"
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 240 lb uplift at joint 2, 250 lb uplift at joint 6 and 137 lb uplift at joint 8.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-4=-87(F=-33), 4-7=-87(F=-33), 2-6=-30

[illegible]

**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 8-9-15 oc bracing.            |

## REACTIONS

(lb/size) 2=479/0-3-8, 4=479/0-3-8  
Max Horz 2=-74(load case 6)  
Max Uplift 2=-423(load case 5), 4=-423(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension

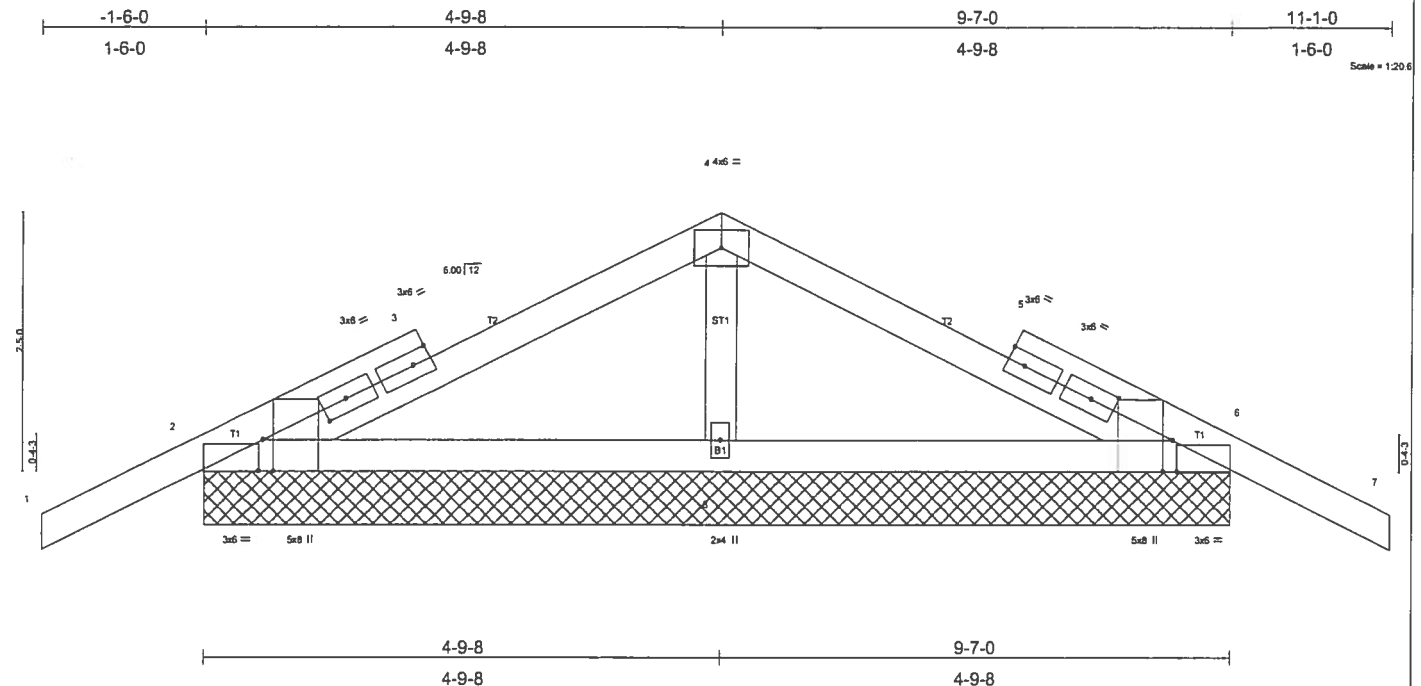
TOP CHORD 1-2=0/35, 2-3=-520/728, 3-4=-520/728, 4-5=0/35  
BOT CHORD 2-6=-488/414, 4-6=-488/414  
WEBS 3-6=-345/161

## NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 120mph (3-second gust);  $f=20ft$ ;  $TCDL=4.2psf$ ;  $BCDL=3.0psf$ ; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber  $DOL=1.60$  plate grip  $DOL=1.60$ . This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 2 and 423 lb uplift at joint 4.

LOAD CASE(S) Standard

|                                           |               |                      |                                                                                                        |          |                              |
|-------------------------------------------|---------------|----------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T27G | Truss Type<br>COMMON | Qty<br>1                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, FL 32055 |               |                      | Job Reference (optional)<br>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 08 15:25:22 2005 Page 1 |          |                              |



| Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [3:0-2-12.0-1-8], [5:0-2-12.0-1-8], [6:0-3-8,Edge], [6:0-0-8,Edge] |      |                      |      |          |      |          |        |             |     |
|-------------------------------------------------------------------------------------------------------------------------|------|----------------------|------|----------|------|----------|--------|-------------|-----|
| LOADING (psf)                                                                                                           |      | SPACING 2-0-0        |      | CSI      |      | DEFL     |        | PLATES GRIP |     |
| TCLL                                                                                                                    | 20.0 | Plates Increase      | 1.25 | TC       | 0.30 | in (loc) | l/defl | L/d         |     |
| TCDL                                                                                                                    | 7.0  | Lumber Increase      | 1.25 | BC       | 0.31 | Vert(LL) | 0.02   | 7           | 120 |
| BCLL                                                                                                                    | 10.0 | Rep Stress Incr      | NO   | WB       | 0.00 | Vert(TL) | 0.03   | 7           | 90  |
| BCDL                                                                                                                    | 5.0  | Code FBC2004/TPI2002 |      | (Matrix) |      | Horz(TL) | 0.01   | 6           | n/a |
| Weight: 43 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.

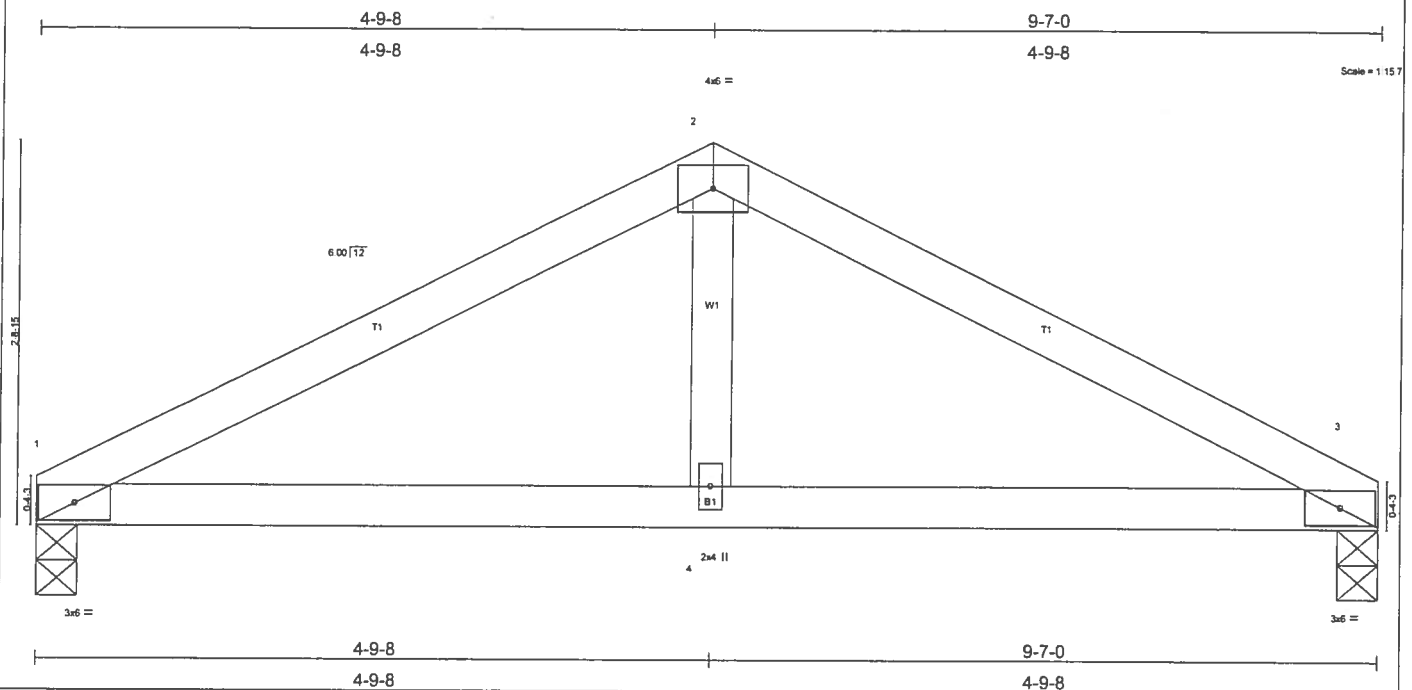
**REACTIONS** (lb/size) 2=590/9-7-0, 6=590/9-7-0, 8=203/9-7-0  
 Max Horz 2=-68(load case 6)  
 Max Uplift 2=-380(load case 5), 6=-380(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-9/56, 2-3=-618/498, 3-4=-555/491, 4-5=-555/491, 5-6=-618/498, 6-7=-9/56  
 BOT CHORD 2-8=-311/506, 6-8=-311/506

**NOTES**  
 1) Unbalanced roof live loads have been considered for this design.  
 2) Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.  
 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"  
 4) Gable requires continuous bottom chord bearing.  
 5) Gable studs spaced at 2-0-0 oc.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 380 lb uplift at joint 2 and 380 lb uplift at joint 6.  
 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-4=-87(F=-33), 4-7=-87(F=-33), 2-6=-30

|                                           |              |                      |                                                                                                        |          |                              |
|-------------------------------------------|--------------|----------------------|--------------------------------------------------------------------------------------------------------|----------|------------------------------|
| Job<br>L142258                            | Truss<br>T28 | Truss Type<br>COMMON | Qty<br>4                                                                                               | Ply<br>1 | HUGO- LOT 23 ROLLING MEADOWS |
| Builders FirstSource, Lake City, Fl 32055 |              |                      | Job Reference (optional)<br>6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Dec 08 15:25:23 2005 Page 1 |          |                              |



| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in    | (loc) | I/defl | L/d | PLATES        | GRIP    |
|---------------|----------------------|-------|----------|----------|-------|-------|--------|-----|---------------|---------|
| TCLL 20.0     | Plates Increase      | 1.25  | TC 0.31  | Vert(LL) | 0.06  | 1-4   | >999   | 240 | MT20          | 244/190 |
| TCDL 7.0      | Lumber Increase      | 1.25  | BC 0.26  | Vert(TL) | 0.05  | 1-4   | >999   | 180 |               |         |
| BCCL 10.0     | Rep Stress incr      | YES   | WB 0.06  | Horz(TL) | -0.01 | 3     | n/a    | n/a |               |         |
| BCDL 5.0      | Code FBC2004/TPI2002 |       | (Matrix) |          |       |       |        |     |               |         |
|               |                      |       |          |          |       |       |        |     | Weight: 34 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 7-5-11 oc bracing.

**REACTIONS** (lb/size) 1=390/0-3-8, 3=390/0-3-8  
 Max Horz 1=-42(load case 3)  
 Max Uplift 1=-302(load case 5), 3=-302(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=-565/816, 2-3=-565/816  
 BOT CHORD 1-4=-644/458, 3-4=-644/458  
 WEBS 2-4=-393/186

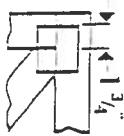
#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 1 and 302 lb uplift at joint 3.

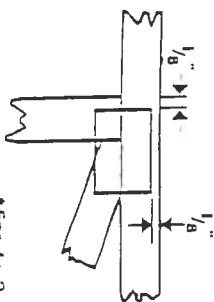
**LOAD CASE(S)** Standard

## Symbols

### PLATE LOCATION AND ORIENTATION



- Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seal.



- For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



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

### PLATE SIZE



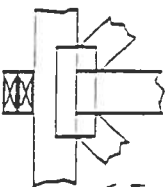
- The first dimension is the width, perpendicular to slots. Second dimension is the length parallel to slots.

### LATERAL BRACING



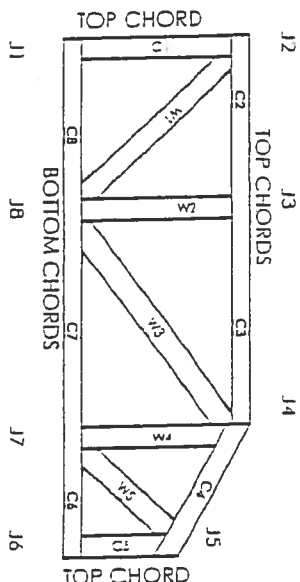
- Indicates location of required continuous lateral bracing.

### BEARING



- Indicates location of joints at which bearings (supports) occur.

## Numbering System

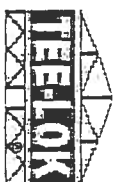


JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

### CONNECTOR PLATE CODE APPROVALS

|             |                     |
|-------------|---------------------|
| BOCA        | 96-31, 96-67        |
| ICBO        | 3907, 4922          |
| SBCCI       | 9667, 9432A         |
| WISC/DILLIR | 960022-W, 970036-11 |
| IER         | 561                 |



MITek Engineering Reference Sheet: MIT-7473

## General Safety Notes

### Failure to Follow Could Cause Properly Damage or Personal Injury

- Provide copies of this truss design to the building designer, erection supervisor, properly owner and all other interested parties.
- Cut members to bear lightly against each other.
- Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
- Unless otherwise noted, locate chord splices at 1/4 panel length ( $\pm 6"$  from adjacent joint.)
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
- Comber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to comber for dead load deflection.
- Plate type, size and location dimensions shown indicate minimum plating requirements.
- Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
- Top chords must be sheathed or purlins provided at spacing shown on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Anchorage and / or load transferring connections to lusses are the responsibility of others unless shown.
- Do not overload roof or floor lusses with stacks of construction materials.
- Do not cut or alter truss member or plate without prior approval of a professional engineer.
- Care should be exercised in handling, erection and installation of lusses.

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