ARROW EXTERMINATORS
TERMITE AND PEST CONTROL

5602 N.W. 13th STREET
GAINESVILLE, FLORIDA 32653-2198

P.O. BOX 5875
GAINESVILLE, FLORIDA 32627-5875

PHONE (352) 373-3642
FAX (352) 373-9037

# 24505

## CERTIFICATE OF PROTECTIVE TREATMENT

Builder: Tommy Waters

Date: 6-23-06 Time: _____ AM _____ PM

Site Location: 1350 SW Wilson Springs Rd

Area Treated: Living, Porch, Garage

Product Used: Bifen IT Chemical Used: Bifenthrin

% Concentration: .06% # Gallons Used: 750

Applicator: Jerry

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0604-64

Waters Custom Homes Owner Peter Herrick 1350 SW Wilson Springs Road

On the date of April 24, 2006 application 0604-64 and plans for placement of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0604-64 when making reference to this application.**

/ 1. Please detail the header beams which will span the three open sides of the carport. Also detail the total number of studs and jack studs which will support the header beams and the method in which they will be attached to the foundation.

X 2. If the open deck area will be constructed in conjunction with the structure please submit structural plans which detail the designs to be used to show compliance with the FBC-2004 sections 1609.

3. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
4. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Tommy Waters Custom Homes, inc.
9225 S.W. 91st Terrace
Gainesville, Florida 32608
E-mail: TommyWatersHomes@aol.com
Website: www.twch.inc.com

Phone: (352) 336-7600
Fax: (352) 336-7633

## Fax Cover Sheet

Date: 4-25-06

To: MR. JOE HALTIWANGER

Company: COLUMBIA COUNTY BLDG DEPT.

Fax #: 386-754-7088

From: KEN SMITH

Total # Of Pages Including Cover Sheet: 1

Message: RE: APPLIC. # 0604-64

IN RESPONSE TO YOUR FAX OF 4-24-06

ITEM 1 - HEADER BEAMS AT CARPORT WILL BE 2-PLY 1 3/4" x 16" LVL LAM. BEAM. THE JACKS & TRIMMER STUDS ARE CALLED OUT IN THE WIND CODE ENGINEERING (3 JACKS & 4 STUDS AT EACH SIDE.) CONNECTORS ARE ALSO SPECIFIED IN THE HEADER TABLE.

ITEM 2 - THE OPEN DECK AREA HAS BEEN OMITTED

ITEM 3 - A & B CONSTRUCTION (ROCKY FORD) WILL BE INSTALLING THE SEPTIC SYSTEM.

ITEM 4 - NOTICE OF COMMENCEMENT FORTHCOMING FROM FLORIDA CITIZENS BANK

THANKS

KEN

Prepared By, Record-Return To:
Jenny Madson - Fla-Citizens Bank
2810-B NW 43rd St,
Gainesville, FL 32606

Clk. Cert Copy To:
Tommy Waters Cust. Hms
att: Ken Smith
5225 SW 91st Terr,
Gainesville, FL 32608

24505

15.00
1.00
1.50 Clk. Cert.
2.00 postage

# NOTICE OF COMMENCEMENT

**PERMIT NO.:**

**TAX FOLIO NO.:** R04137-017

The undersigned, after being first duly sworn, states as follows and verifies that the information set forth in this Notice of Commencement is true to the best of the undersigned's knowledge, information and belief:

1. Description of Property (legal and street address):

SEE ATTACHMENT FOR LENGTHY LEGAL DESCRIPTION

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Bonnie Lou Deputy Clerk
Date 6/20/06

1350 SW WILSON SPRINGS ROAD, FORT WHITE, FL 32038

2. General Description of Property: CONSTRUCT SINGLE FAMILY RESIDENCE
3. Name of Borrower(s): PETER R. HERRICK DIANA R. HERRICK
   Address of Borrower(s):
   1350 SW WILSON SPRINGS ROAD
   FORT WHITE, FL 32038
4. Borrower(s) interest in Property: PRIMARY RESIDENCE
5. Name & Address of Fee simple titleholder (if other than Borrower):
6. Builder's Name: TOMMY WATERS CUSTOM HOMES, INC
   Builder's Address: 5225 SW 91ST TERRACE, GAINESVILLE, FL 32608
7. Name and address of all lending institutions which provide financing for the improvements:
   FLORIDA CITIZENS BANK
   2810-B NW 43RD STREET
   GAINESVILLE FL 32606
8. Name and address of the designee, if any, of the Borrower:

9. Expiration date of this Notice of Commencement is one year from date of recording unless a different date is specified:

Peter R. Herrick by Diana R. Herrick as POA — 6-12-2006
Borrower PETER R. HERRICK BY DIANA R. HERRICK AS ATTORNEY IN FACT — Date

Diana R. Herrick — 6-12-2006
Borrower DIANA R. HERRICK — Date

Borrower — Date

Borrower — Date

**STATE OF** FLORIDA
**COUNTY OF** COLUMBIA

The foregoing instrument was subscribed and sworn to before me this 12TH day of JUNE, 2006 · BY PETER R. HERRICK BY DIANA R. HERRICK ATTORNEY IN FACT AND DIANA R. HERRICK, INDIVIDUALLY

My Commission Expires:

-1310 (9609) VMP MORTGAGE FORMS - (800)521-7291 9/96

DEBORAH L. BISSELL
MY COMMISSION # DD 305041
EXPIRES: May 28, 2008
Bonded Thru Notary Public Underwriters

Inst:2006014757 Date:06/20/2006 Time:10:52
DC,P.DeWitt Cason,Columbia County B:1087 P:624

# UNIVERSAL
## ENGINEERING SCIENCES
Consultants In: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392


## REPORT ON IN-PLACE DENSITY TESTS

# 24505

CLIENT: Tommy Waters

PROJECT: 1350 SW Wilson Springs Dr

AREA TESTED: Fill ↓ prop. bldg. pad

COURSE: F/G DEPTH OF TEST: 0-1'

TYPE OF TEST: Astmd 2922 DATE TESTED: 06-22-06

NOTE: The below tests DO/~~DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

| LOCATION OF TESTS | DRY DEN. | MAX. DEN. | % MAX. DEN. | % MOIST. | OPT. MOIST. |
|---|---|---|---|---|---|
| | | 105.5 | | | 10.0 |
| App. 10' NW of SE corner of prop. Bldg pad | 104.1 | | 98.7 | 4.8 | |
| App. Center of S interior foundation | 105.3 | | 99.8 | 4.8 | |
| App. 10' SE of NW corner of prop. Bldg pad | 104.3 | | 98.9 | 3.2 | |

4404

TECH. CS

ARROW EXTERMINATORS

5602 N.W. 13th STREET
GAINESVILLE, FLORIDA 32653-2188

P.O. BOX 5875
GAINESVILLE, FLORIDA 32627-5875

PHONE (352) 373-3642
FAX (352) 373-9037

Permit # 00024505

# CERTIFICATE OF COMPLIANCE OF TERMITE PROTECTION

(as required by Florida Building Code (FBC) 1816.1.7)

ARROW EXTERMINATORS, INC
(352) 373-3642

Tommy Waters Customs Homes | 1350 SW Wilson Spring Road, Ft. White
Address of Treatment or Lot/Block of Treatment

Soil Barrier
Method of Termite Prevention Treatment-soil barrier, wood treatment, bait system, other (describe)

The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

Authorized Signature

March 23, 2007
Date

# CERTIFICATE OF OCCUPANCY

## COLUMBIA COUNTY, FLORIDA

## Department of Building and Zoning Inspection

***This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.***

**Parcel Number** 05-7S-16-04137-017 **Building permit No.** 000024505

**Use Classification** SFD/UTILITY **Fire:** 0.00

**Permit Holder** ROBERT D. WATERS **Waste:** 0.00

**Owner of Building** PETER & DIANA HERRICK **Total:** 0.00

**Location:** 1350 SW WILSON SPRINGS RD

**Date:** 03/23/2007

Harry Dicks

**Building Inspector**

**POST IN A CONSPICUOUS PLACE**
***(Business Places Only)***

RE: WAHERR - HERRICK RESIDENCE

**MiTek Industries, Inc.**
1801 Massaro Blvd.
Tampa, Fl 33619
Phone: 813/675-1200
Fax: 813/675-1148

**Site Information:**
Project Customer: Project Name:
Lot/Block: Subdivision:
Address:
City: State:

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

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

Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 6.2
Wind Code: ASCE 7-98 Wind Speed: 110 mph Design Method: Main Wind Force Resisting System ASCE 7-98
Roof Load: 40.0 psf Floor Load: 55.0 psf

This package includes 10 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

| No. | Seal# | Job ID# | Truss Name | Date |
|---|---|---|---|---|
| 1 | T1856354 | WAHERR | A | 11/10/05 |
| 2 | T1856355 | WAHERR | A1 | 11/10/05 |
| 3 | T1856356 | WAHERR | A2 | 11/10/05 |
| 4 | T1856357 | WAHERR | A2ET | 11/10/05 |
| 5 | T1856358 | WAHERR | AET | 11/10/05 |
| 6 | T1856359 | WAHERR | B | 11/10/05 |
| 7 | T1856360 | WAHERR | BET | 11/10/05 |
| 8 | T1856361 | WAHERR | C | 11/10/05 |
| 9 | T1856362 | WAHERR | CET | 11/10/05 |
| 10 | T1856363 | WAHERR | CET1 | 11/10/05 |

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Santa Fe Truss.

Truss Design Engineer's Name: Zhang, Guo-jie
My license renewal date for the state of is February 28, 2007.

**NOTE:** The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

November 10,2005
Zhang, Guo-jie

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856354 |
|---|---|---|---|---|---|---|
| WAHERR | A | COMMON | 10 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:48 2005 Page 1

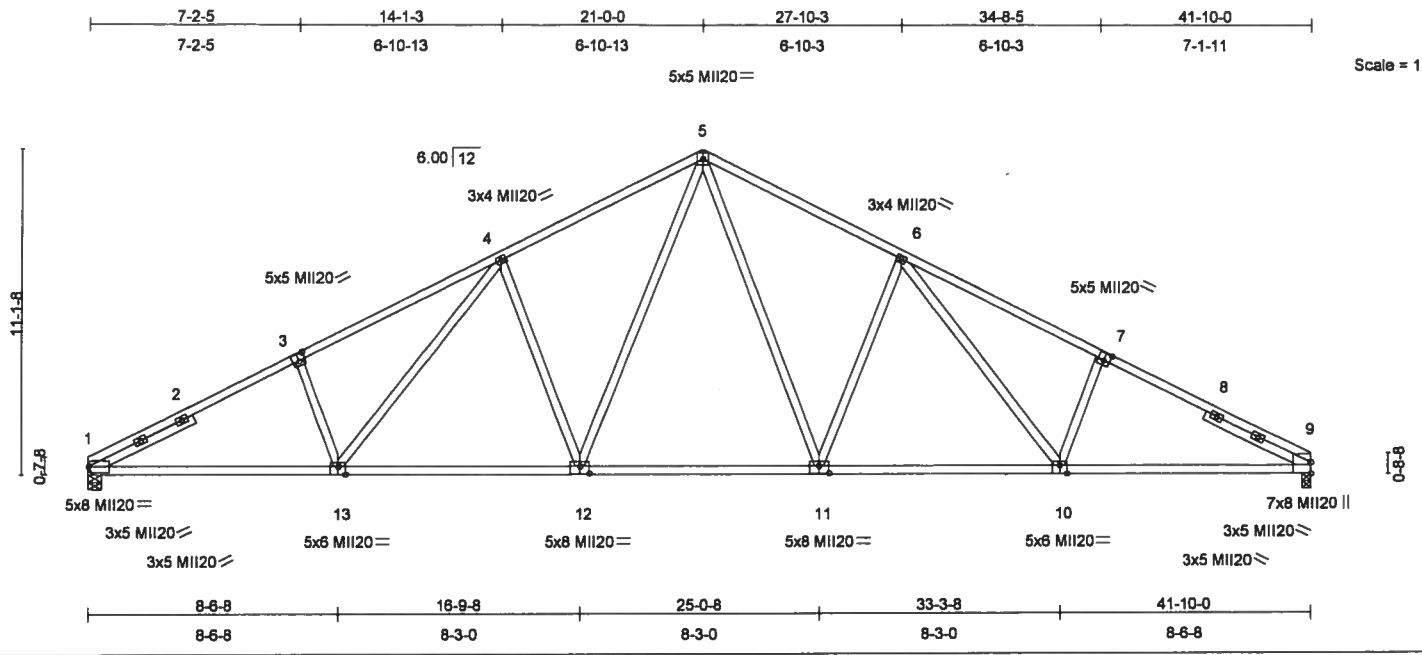


Plate Offsets (X,Y): [1:0-0-9,0-2-9], [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [10:0-3-0,0-3-4], [11:0-4-0,0-3-0], [12:0-4-0,0-3-0], [13:0-3-0,0-3-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.87 | Vert(LL) | -0.43 | 10-11 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 1.00 | Vert(TL) | -0.71 | 10-11 | >706 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.80 | Horz(TL) | 0.20 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 238 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2D *Except* 7-9 2 X 4 SYP SS
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-11-7, Right 2 X 4 SYP No.3 3-11-8

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-15 oc bracing.

**REACTIONS** (lb/size) 1=2168/0-5-8, 9=2168/0-3-8
Max Horz 1=-175(load case 3)
Max Uplift1=-329(load case 5), 9=-328(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4069/573, 2-3=-3977/594, 3-4=-3906/653, 4-5=-3181/555, 5-6=-3153/548, 6-7=-3805/635, 7-8=-3903/585, 8-9=-4010/564
BOT CHORD 1-13=-588/3503, 12-13=-392/3005, 11-12=-179/2299, 10-11=-253/2981, 9-10=-417/3422
WEBS 3-13=-256/244, 4-13=-187/713, 4-12=-735/346, 5-12=-260/1291, 5-11=-253/1266, 6-11=-718/342, 6-10=-170/648, 7-10=-215/236

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 329 lb uplift at joint 1 and 328 lb uplift at joint 9.
6) Load case(s) 1, 7, 8 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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: 1-5=-60, 5-9=-60, 1-13=-20, 10-13=-60(F=-40), 9-10=-20
7) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-20, 1-13=-20, 10-13=-60(F=-40), 9-10=-20

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

November 10,2005

Continued on page 2



1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

**LOAD CASE(S)** Standard

8) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-60, 1-13=-20, 10-13=-60(F=-40), 9-10=-20

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856355 |
|---|---|---|---|---|---|---|
| WAHERR | A1 | COMMON | 9 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:49 2005 Page 1

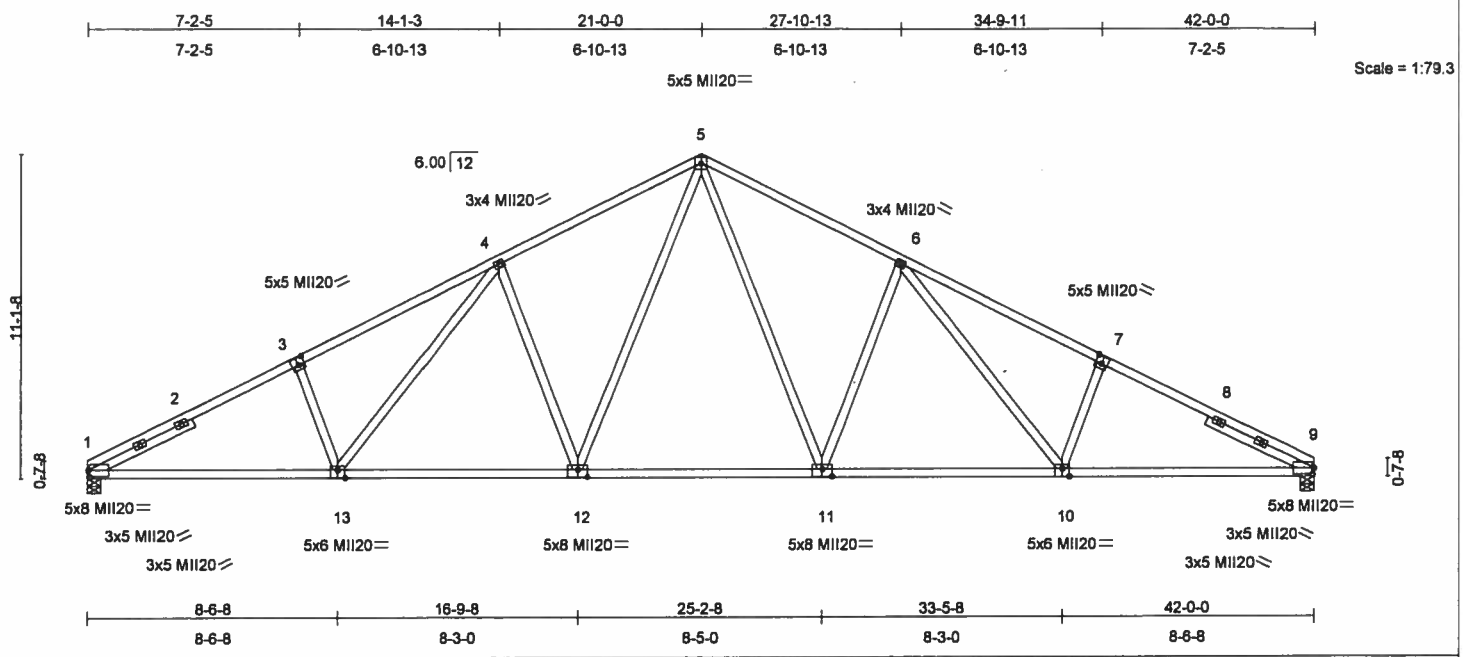


Plate Offsets (X,Y): [1:0-0-9,0-2-9], [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [9:0-0-9,0-2-9], [10:0-3-0,0-3-4], [11:0-4-0,0-3-0], [12:0-4-0,0-3-0], [13:0-3-0,0-3-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.76 | Vert(LL) | -0.42 | 12-13 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.96 | Vert(TL) | -0.69 | 12-13 | >727 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.80 | Horz(TL) | 0.20 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 239 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
10-11 2 X 4 SYP SS, 12-13 2 X 4 SYP SS
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-11-7, Right 2 X 4 SYP No.3 3-11-7

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-6-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-13 oc bracing.

**REACTIONS** (lb/size) 1=2178/0-5-8, 9=2178/0-5-8
Max Horz 1=-175(load case 3)
Max Uplift1=-330(load case 5), 9=-330(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4089/575, 2-3=-3996/595, 3-4=-3925/655, 4-5=-3204/557, 5-6=-3204/557, 6-7=-3925/655, 7-8=-3996/596, 8-9=-4089/575
BOT CHORD 1-13=-590/3520, 12-13=-394/3024, 11-12=-181/2318, 10-11=-256/3024, 9-10=-429/3520
WEBS 3-13=-256/244, 4-13=-187/709, 4-12=-732/346, 5-12=-259/1296, 5-11=-259/1296, 6-11=-732/346, 6-10=-187/709, 7-10=-256/244

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 330 lb uplift at joint 1 and 330 lb uplift at joint 9.
6) Load case(s) 1, 7, 8 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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: 1-5=-60, 5-9=-60, 1-13=-20, 10-13=-60(F=-40), 9-10=-20
7) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-9=-20, 1-13=-20, 10-13=-60(F=-40), 9-10=-20


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005

Continued on page 2

**LOAD CASE(S)** Standard

8) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 5-9=-60, 1-13=-20, 10-13=-60(F=-40), 9-10=-20




1801 Massaro Blvd.
Tampa, FL 33619


MiTek®

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856358 |
|---|---|---|---|---|---|---|
| WAHERR | A2 | SCISSOR | 11 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:50 2005 Page 1

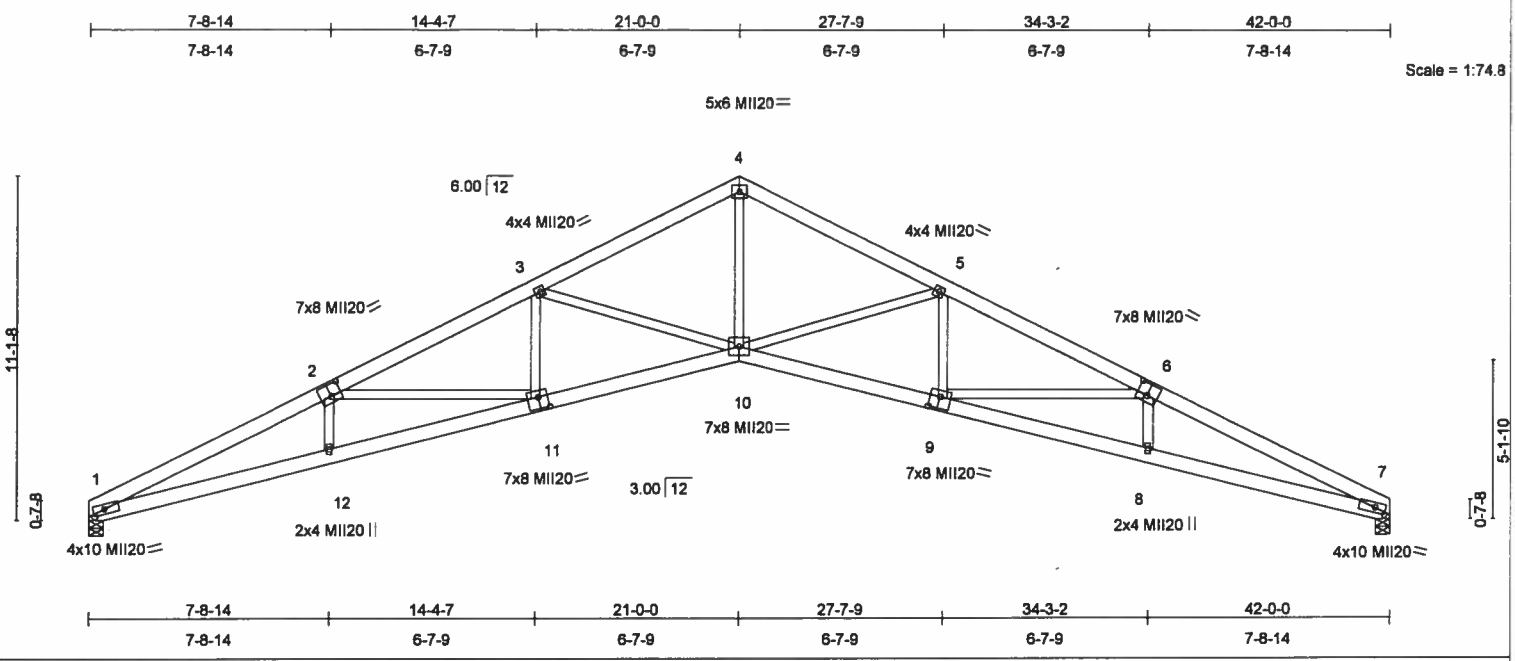


Plate Offsets (X,Y): [1:0-4-4,0-2-0], [2:0-4-0,0-4-8], [6:0-4-0,0-4-8], [7:0-4-4,0-2-0], [9:0-3-12,0-4-8], [11:0-3-12,0-4-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.35 | Vert(LL) | -0.38 | 10 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.80 | Vert(TL) | -0.96 | 10-11 | >522 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.89 | Horz(TL) | 0.71 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 274 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-7 oc bracing.

**REACTIONS** (lb/size) 1=1662/0-5-8, 7=1662/0-5-8
Max Horz 1=-173(load case 3)
Max Uplift1=-326(load case 5), 7=-326(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5453/1112, 2-3=-4648/892, 3-4=-3651/623, 4-5=-3651/645, 5-6=-4648/729, 6-7=-5453/965
BOT CHORD 1-12=-1084/4864, 11-12=-1080/4873, 10-11=-744/4235, 9-10=-485/4235, 8-9=-784/4873, 7-8=-788/4864
WEBS 2-12=0/272, 2-11=-694/327, 3-11=-40/426, 3-10=-994/398, 4-10=-396/2767, 5-10=-994/402, 5-9=-44/426, 6-9=-694/344, 6-8=0/272

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 326 lb uplift at joint 1 and 326 lb uplift at joint 7.

**LOAD CASE(S)** Standard


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005




1801 Massaro Blvd.
Tampa, FL 33619


MiTek®

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856357 |
|---|---|---|---|---|---|---|
| WAHERR | A2ET | SCISSORS | 1 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:52 2005 Page 1

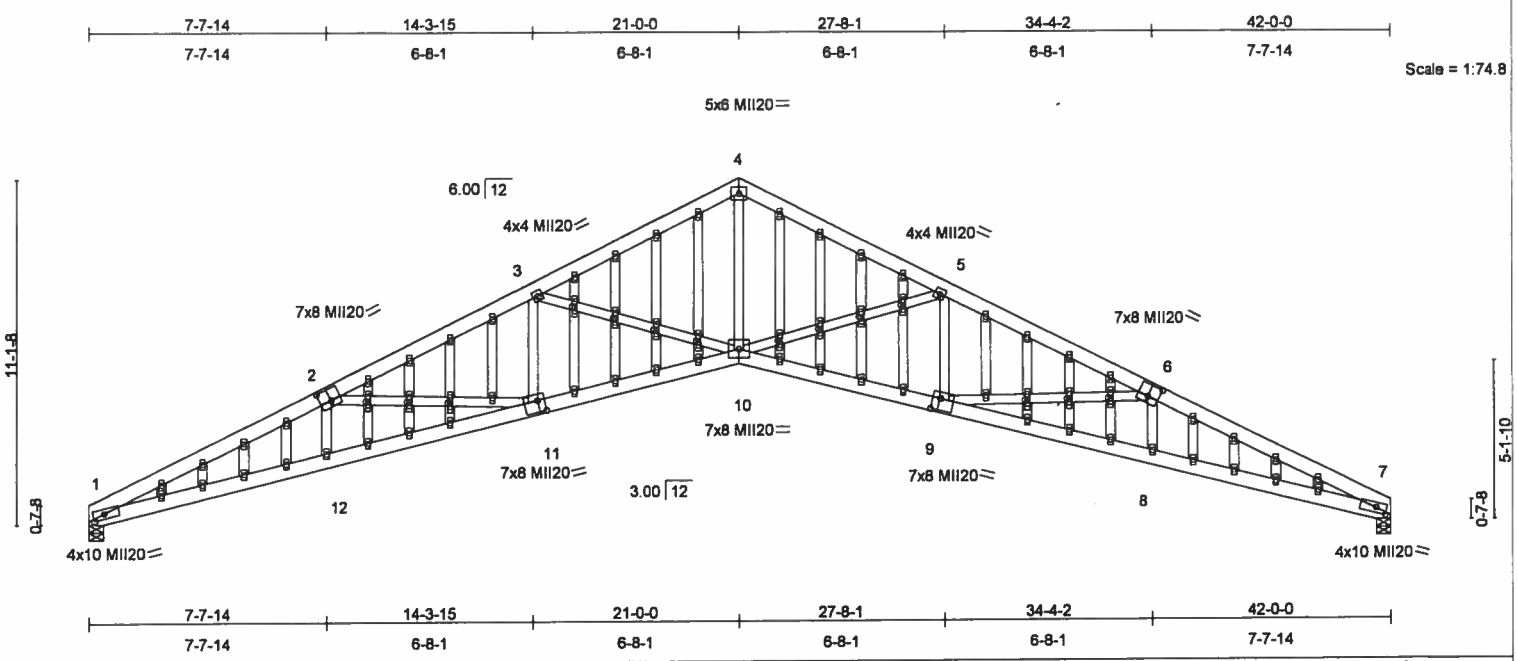


Plate Offsets (X,Y): [1:0-4-4,0-2-0], [2:0-4-0,0-4-8], [6:0-4-0,0-4-8], [7:0-4-4,0-2-0], [9:0-2-12,0-4-8], [11:0-2-12,0-4-8], [13:0-1-10,0-1-0], [16:0-1-10,0-1-0], [19:0-1-10,0-1-0], [22:0-1-10,0-1-0], [27:0-1-8,0-1-0], [30:0-1-8,0-1-0], [33:0-1-8,0-1-0], [46:0-1-10,0-1-0], [49:0-1-10,0-1-0], [52:0-1-10,0-1-0], [55:0-1-10,0-1-0], [60:0-1-8,0-1-0], [63:0-1-8,0-1-0], [66:0-1-8,0-1-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.35 | Vert(LL) | -0.38 | 10 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.80 | Vert(TL) | -0.96 | 9-10 | >522 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.89 | Horz(TL) | 0.71 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 361 lb | |

**LUMBER**
TOP CHORD 2 X 6 SYP No.2
BOT CHORD 2 X 6 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 3-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-7 oc bracing.

**REACTIONS** (lb/size) 1=1662/0-5-8, 7=1662/0-5-8
Max Horz 1=-173(load case 3)
Max Uplift1=-326(load case 5), 7=-326(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5454/1110, 2-3=-4650/893, 3-4=-3652/623, 4-5=-3652/645, 5-6=-4650/730, 6-7=-5454/963
BOT CHORD 1-12=-1082/4865, 11-12=-1081/4869, 10-11=-746/4242, 9-10=-485/4242, 8-9=-785/4869, 7-8=-786/4865
WEBS 4-10=-394/2763, 2-12=0/275, 3-11=-39/425, 5-9=-43/425, 6-8=0/275, 2-11=-687/327, 3-10=-999/398, 5-10=-999/402, 6-9=-687/344

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 326 lb uplift at joint 1 and 326 lb uplift at joint 7.

**LOAD CASE(S)** Standard


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005




1801 Massaro Blvd.
Tampa, FL 33619


MiTek®

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856358 |
|---|---|---|---|---|---|---|
| WAHERR | AET | DBL. HOWE | 1 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:54 2005 Page 1

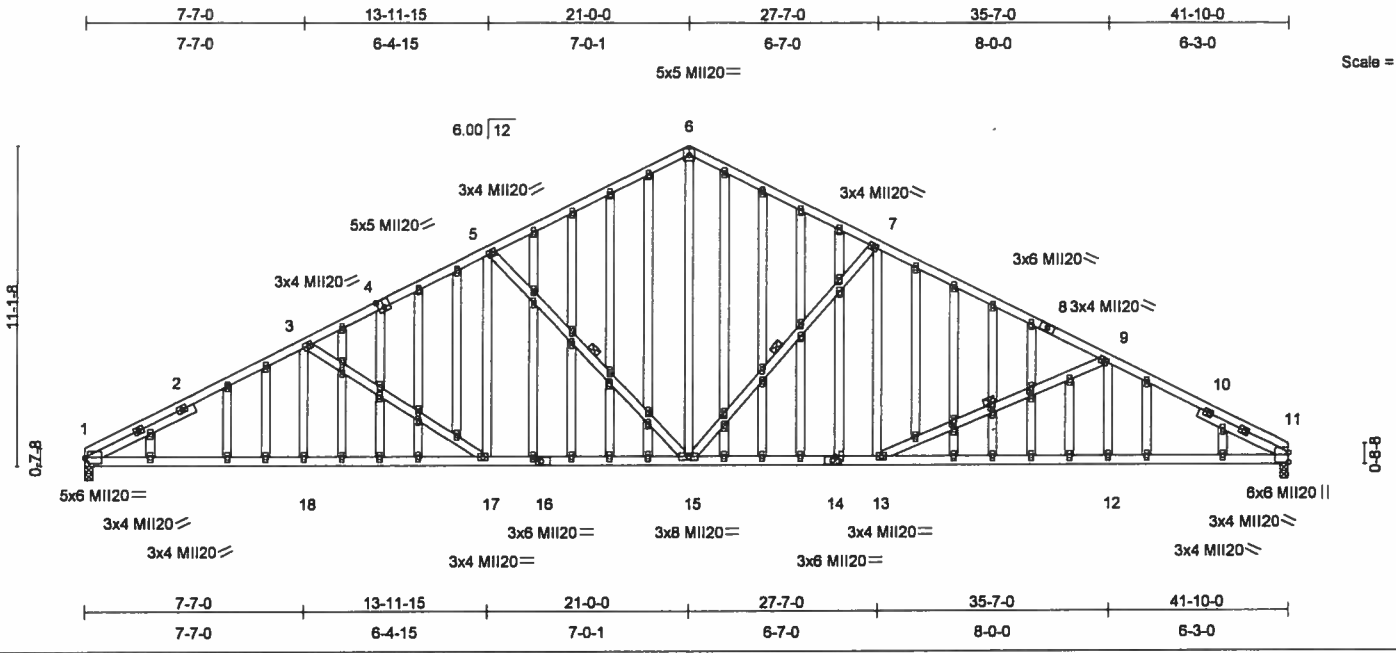


Plate Offsets (X,Y): [1:0-1-1,0-2-8], [4:0-2-8,0-3-4], [16:0-2-0,0-1-8], [57:0-2-0,0-1-12], [63:0-1-13,0-1-0], [66:0-1-13,0-1-0], [69:0-1-13,0-1-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.59 | Vert(LL) | -0.15 | 12-13 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.65 | Vert(TL) | -0.47 | 12-13 | >999 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.51 | Horz(TL) | 0.17 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 430 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 4-1-15, Right 2 X 4 SYP No.3 3-5-7

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-4-8 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15, 9-13

**REACTIONS** (lb/size) 1=1673/0-3-8, 11=1673/0-3-8
Max Horz 1=-175(load case 3)
Max Uplift1=-329(load case 5), 11=-328(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3009/560, 2-3=-2883/581, 3-4=-2508/497, 4-5=-2429/523, 5-6=-1934/463, 6-7=-1934/468, 7-8=-2397/505, 8-9=-2495/479, 9-10=-2939/585, 10-11=-3031/562
BOT CHORD 1-18=-571/2579, 17-18=-571/2579, 16-17=-385/2173, 15-16=-385/2173, 14-15=-243/2144, 13-14=-243/2144, 12-13=-430/2579, 11-12=-430/2579
WEBS 3-18=0/272, 5-17=-49/464, 6-15=-247/1254, 7-13=-21/447, 9-12=0/276, 3-17=-504/221, 5-15=-781/307, 7-15=-784/310, 9-13=-508/236

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 329 lb uplift at joint 1 and 328 lb uplift at joint 11.

**LOAD CASE(S)** Standard


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856359 |
|---|---|---|---|---|---|---|
| WAHERR | B | COMMON | 8 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:55 2005 Page 1

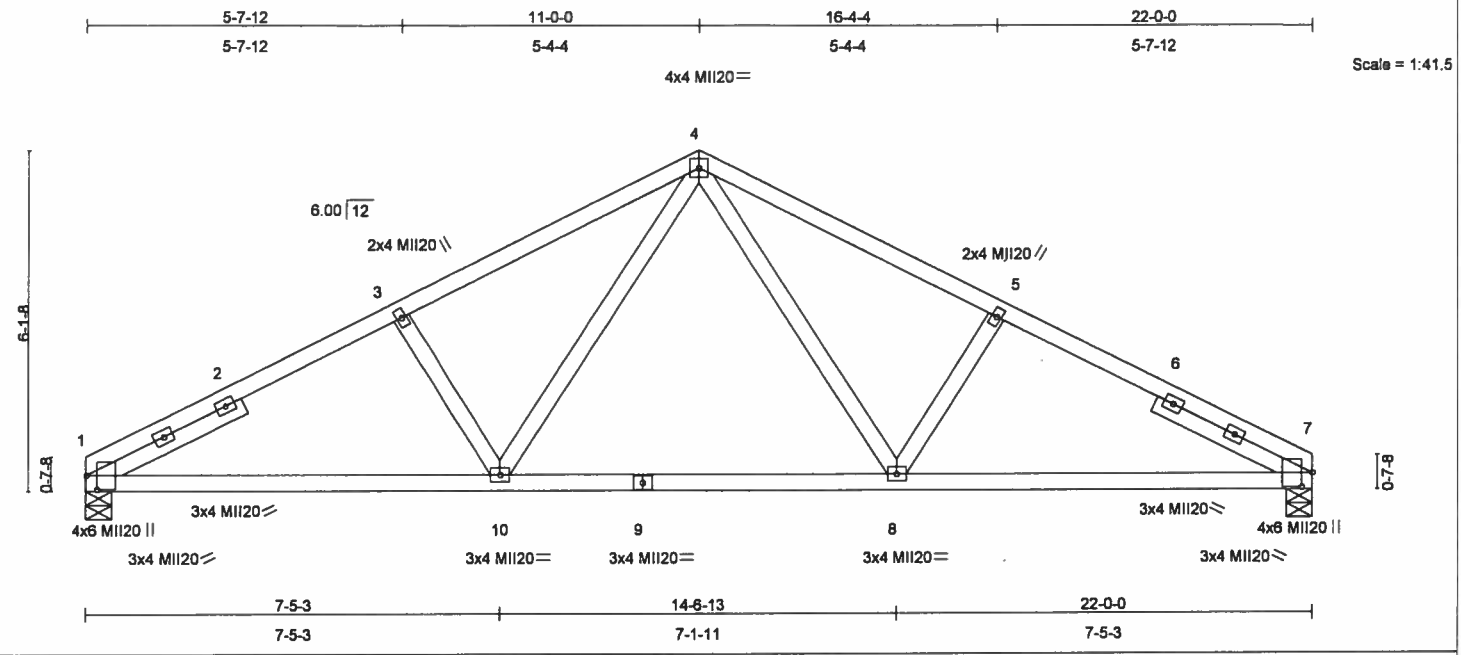


Plate Offsets (X,Y): [1:0-3-0,0-2-5], [7:0-3-1,0-2-5]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.22 | Vert(LL) | -0.05 | 7-8 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.35 | Vert(TL) | -0.14 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.15 | Horz(TL) | 0.04 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 108 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-1-1, Right 2 X 4 SYP No.3 3-1-1

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 1=880/0-5-8, 7=880/0-5-8
Max Horz 1=-94(load case 3)
Max Uplift1=-172(load case 5), 7=-172(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1434/275, 2-3=-1307/290, 3-4=-1272/299, 4-5=-1272/300, 5-6=-1307/291, 6-7=-1434/275
BOT CHORD 1-10=-265/1207, 9-10=-100/854, 8-9=-100/854, 7-8=-178/1207
WEBS 3-10=-279/200, 4-10=-119/455, 4-8=-119/455, 5-8=-279/200

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 1 and 172 lb uplift at joint 7.

**LOAD CASE(S)** Standard


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005




1801 Massaro Blvd.
Tampa, FL 33619


MiTek®

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856360 |
|---|---|---|---|---|---|---|
| WAHERR | BET | HOWE | 1 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:56 2005 Page 1

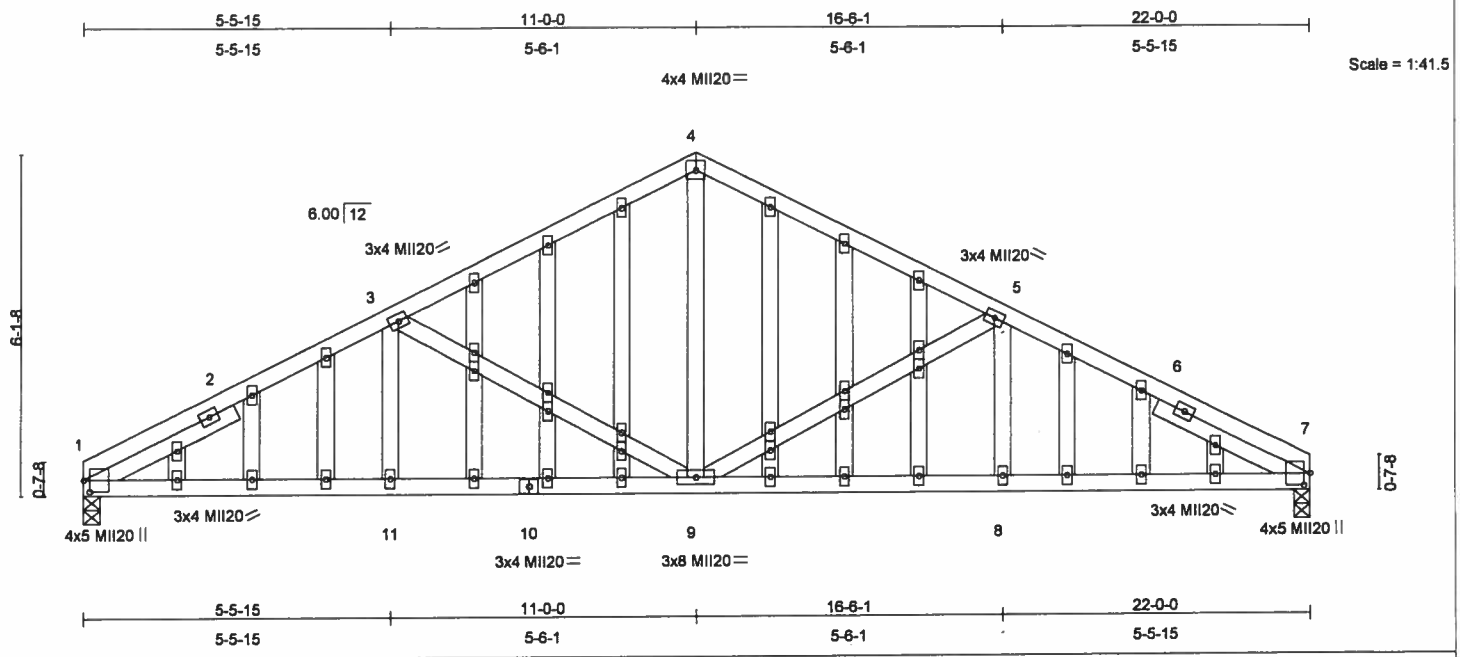


Plate Offsets (X,Y): [1:0-2-8,0-1-5], [7:0-2-9,0-1-5]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.21 | Vert(LL) | 0.03 | 9 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.27 | Vert(TL) | -0.10 | 9-11 | >999 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.31 | Horz(TL) | 0.05 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 162 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 2-11-15, Right 2 X 4 SYP No.3 2-11-15

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 1=880/0-3-8, 7=880/0-3-8
Max Horz 1=-94(load case 3)
Max Uplift1=-172(load case 5), 7=-172(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1461/265, 2-3=-1335/281, 3-4=-1043/239, 4-5=-1043/239, 5-6=-1334/282, 6-7=-1461/266
BOT CHORD 1-11=-259/1228, 10-11=-259/1228, 9-10=-259/1228, 8-9=-173/1228, 7-8=-173/1228
WEBS 3-11=0/215, 4-9=-65/523, 5-8=0/215, 3-9=-441/191, 5-9=-441/192

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 1 and 172 lb uplift at joint 7.

**LOAD CASE(S)** Standard


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005




1801 Massaro Blvd.
Tampa, FL 33619


MiTek®

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856361 |
|---|---|---|---|---|---|---|
| WAHERR | C | ATTIC | 12 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:57 2005 Page 1

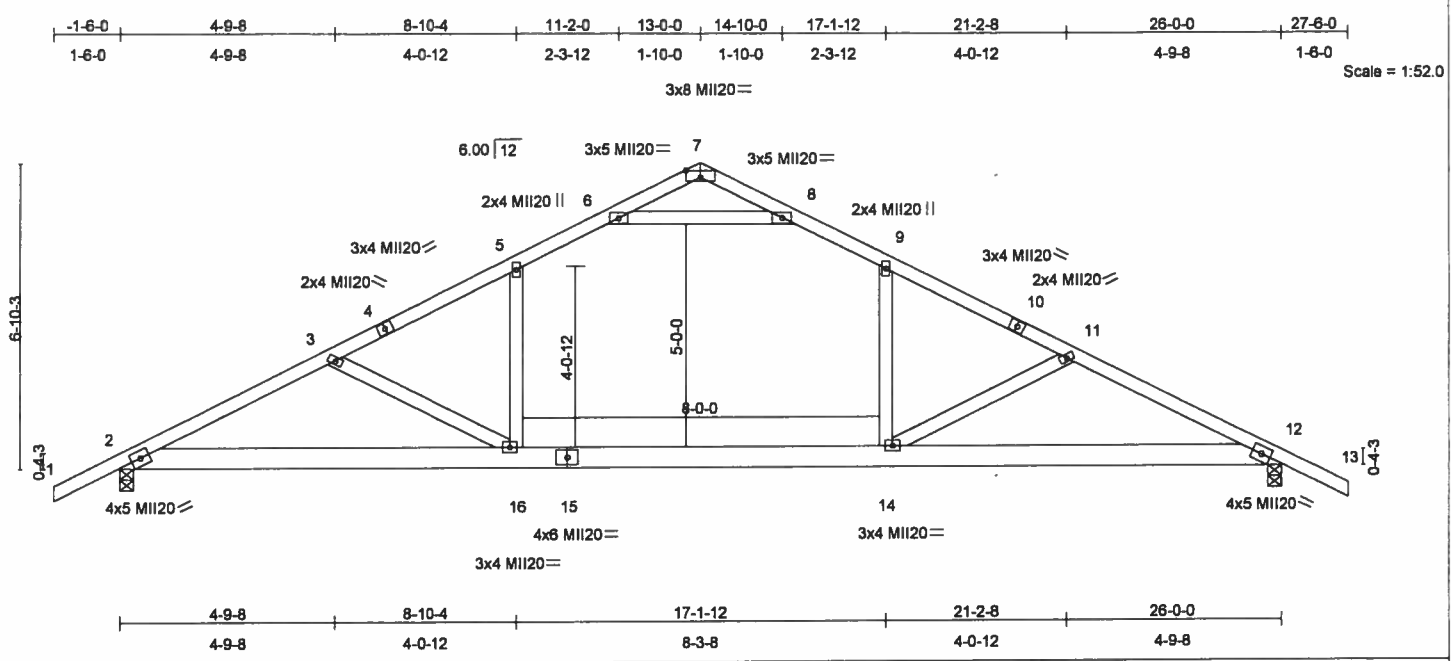


Plate Offsets (X,Y): [7:0-4-0,Edge]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.90 | Vert(LL) | -0.51 | 14-16 | >600 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.77 | Vert(TL) | -0.82 | 14-16 | >374 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.90 | Horz(TL) | 0.06 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 141 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP SS *Except*
1-4 2 X 4 SYP No.2D, 10-13 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

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

**REACTIONS** (lb/size) 2=1503/0-3-8, 12=1503/0-3-8
Max Horz 2=133(load case 5)
Max Uplift2=-268(load case 5), 12=-268(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-2814/301, 3-4=-2372/211, 4-5=-2270/223, 5-6=-1906/238, 6-7=-41/871, 7-8=-41/871, 8-9=-1906/237, 9-10=-2270/222, 10-11=-2372/211, 11-12=-2814/302, 12-13=0/43
BOT CHORD 2-16=-297/2476, 15-16=-91/1985, 14-15=-91/1985, 12-14=-180/2476
WEBS 6-8=-2959/291, 5-16=-4/788, 9-14=-4/788, 3-16=-581/235, 11-14=-581/235

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-8
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 2 and 268 lb uplift at joint 12.

**LOAD CASE(S)** Standard


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005




1801 Massaro Blvd.
Tampa, FL 33619


MiTek®

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856362 |
|---|---|---|---|---|---|---|
| WAHERR | CET | ATTIC | 1 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:58 2005 Page 1

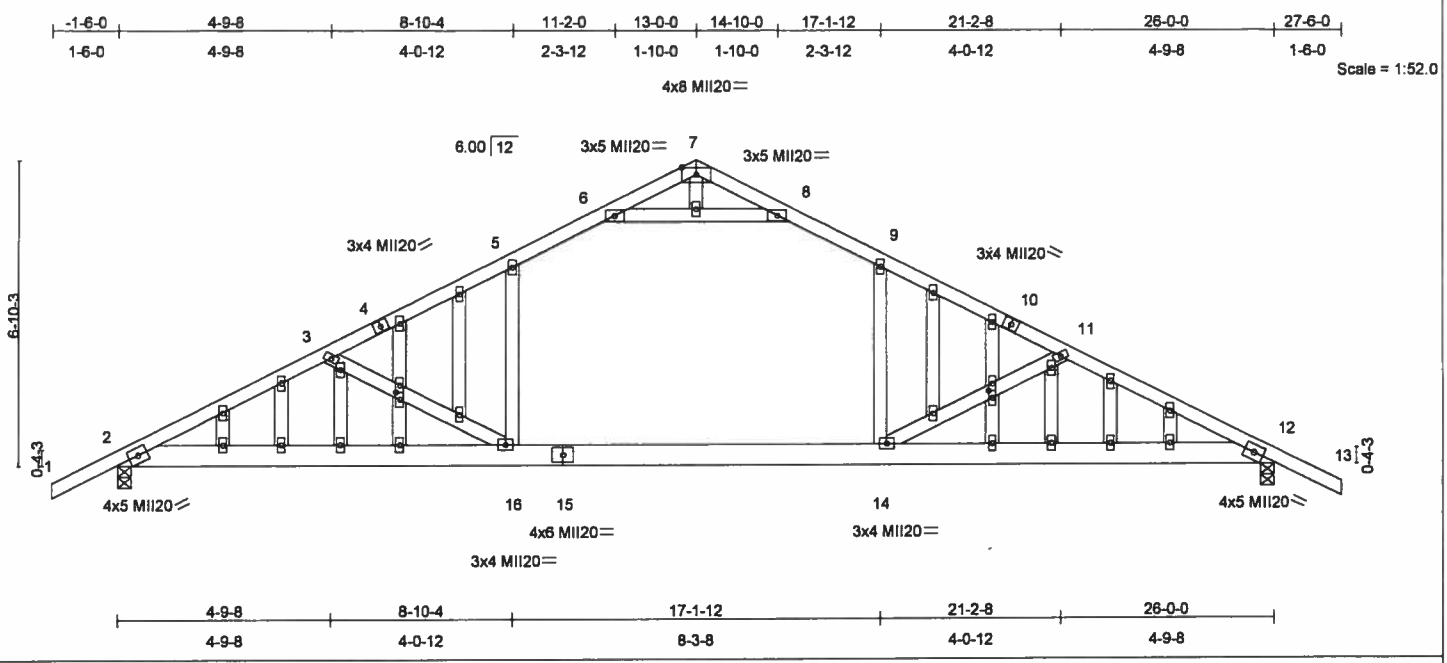


Plate Offsets (X,Y): [20:0-1-14,0-1-0], [33:0-1-14,0-1-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.90 | Vert(LL) | -0.51 | 14-16 | >600 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.77 | Vert(TL) | -0.82 | 14-16 | >374 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.90 | Horz(TL) | 0.06 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 171 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP SS *Except*
1-4 2 X 4 SYP No.2D, 10-13 2 X 4 SYP No.2D
BOT CHORD 2 X 6 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 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 2=1503/0-3-8, 12=1503/0-3-8
Max Horz 2=133(load case 5)
Max Uplift2=-268(load case 5), 12=-268(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-2814/301, 3-4=-2372/211, 4-5=-2270/223, 5-6=-1906/238, 6-7=-41/871, 7-8=-41/871, 8-9=-1906/237, 9-10=-2270/222, 10-11=-2372/211, 11-12=-2814/302, 12-13=0/43
BOT CHORD 2-16=-297/2476, 15-16=-91/1985, 14-15=-91/1985, 12-14=-180/2476
WEBS 6-8=-2959/291, 5-16=-4/788, 9-14=-4/788, 3-16=-581/235, 11-14=-581/235

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-8
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 2 and 268 lb uplift at joint 12.

**LOAD CASE(S)** Standard


Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634


November 10,2005




1801 Massaro Blvd.
Tampa, FL 33619


MiTek®

| Job | Truss | Truss Type | Qty | Ply | HERRICK RESIDENCE | T1856363 |
|---|---|---|---|---|---|---|
| WAHERR | CET1 | KINGPOST | 1 | 1 | Job Reference (optional) | |

SANTA FE TRUSS, HIGH SPRINGS FL. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Nov 10 09:43:59 2005 Page 1

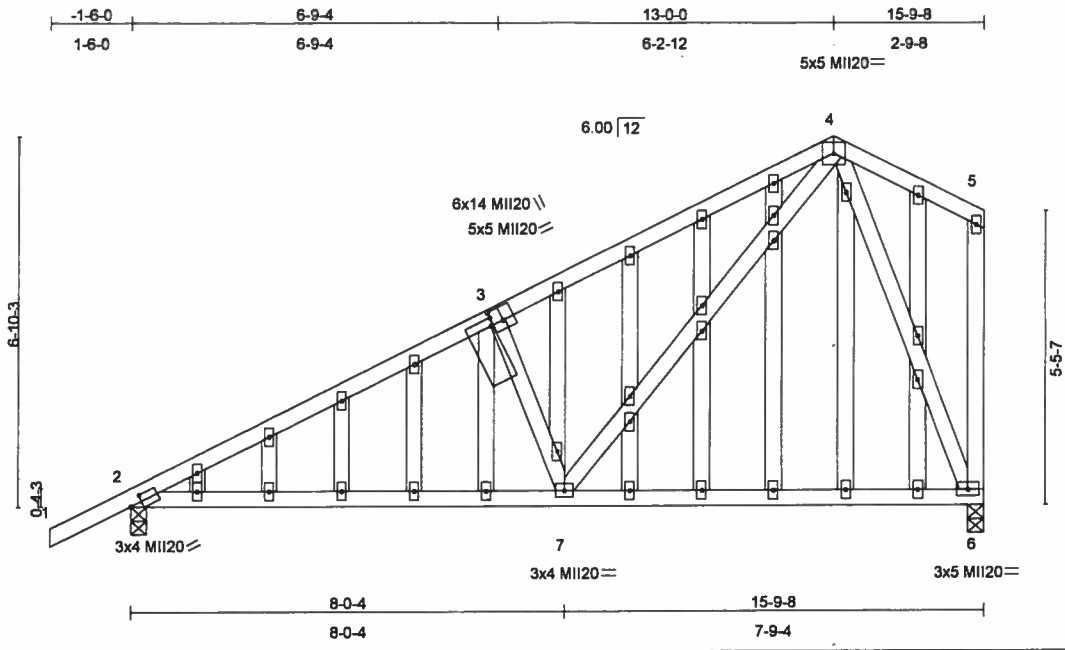


Plate Offsets (X,Y): [2:0-2-10,0-1-8], [3:0-2-8,0-3-0], [3:0-1-12,0-0-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.39 | Vert(LL) | -0.07 | 2-7 | >999 | 240 | MII20 | 249/190 |
| TCDL | 10.0 | Lumber Increase | 1.25 | BC | 0.38 | Vert(TL) | -0.20 | 2-7 | >932 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.46 | Horz(TL) | 0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 144 lb | |

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

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

**REACTIONS** (lb/size) 2=724/0-3-8, 6=615/0-3-8
Max Horz 2=276(load case 5)
Max Uplift2=-206(load case 5), 6=-159(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-926/138, 3-4=-791/197, 4-5=-50/39, 5-6=-80/27
BOT CHORD 2-7=-270/750, 6-7=-76/217
WEBS 3-7=-375/243, 4-7=-186/677, 4-6=-544/225

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; Lumber DOL=1.33 plate grip DOL=1.33.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 1-4-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 2 and 159 lb uplift at joint 6.

**LOAD CASE(S)** Standard


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