DATE 04/19/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024404

APPLICANT AMY BAKER PHONE 758-3850

ADDRESS 14489 S US HWY 441 LAKE CITY FL 32024

OWNER SCOTT & AMY BAKER PHONE 758-3850

ADDRESS 14489 S US HWY 441 LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY US 441 S, 1/2 MILE S OF I-75, ON THE LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 121000.00

HEATED FLOOR AREA 2420.00 TOTAL AREA 3357.00 HEIGHT 24.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 03-6S-17-09587-004 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 10.20

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
			Amy P Baker	
FDOT	06-0270-N	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, FDOT ATTACHED

Check # or Cash 4331

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 605.00 CERTIFICATION FEE $ 16.79 SURCHARGE FEE $ 16.79

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 713.58

INSPECTORS OFFICE L. H CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Printed for Lawyers' Title Guaranty Fund, Orlando, Florida

This instrument was prepared by:

TERRY McDAVID
Attorney at Law
200 North Marion Street
LAKE CITY, FLORIDA 32055

Warranty Deed (STATUTORY FORM—SECTION 689.02 F.S.)

BOOK 441 PAGE 564 OFFICIAL RECORDS

This Indenture, Made this 28th day of January 1980, **Between**

BESSIE M. FARNELL, a widow

of the County of Columbia, State of Florida, grantor*, and

AMY PATRICE LEE and WILLIAM CORRY LEE, each an undivided one-half interest

whose post office address is

of the County of Columbia, State of Florida, grantee*,

Witnesseth, That said grantor, for and in consideration of the sum of

Ten and no/100---------- Dollars,

and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 6 SOUTH - RANGE 17 EAST

SECTION 2: W½ of SW¼ of NW¼ of SW¼; and W½ of NW¼ of NW¼ of SW¼.

ALSO:

SECTION 3: N½ of SE¼ of SE¼; and SE¼ of NE¼ of SE¼.

COLUMBIA COUNTY 025936
STATE OF FLORIDA
DOCUMENTARY STAMP TAX
DEPT. OF REVENUE
FEB-1'80
P.B. 11120
00.40

FILED AND RECORDED
BOOK 441 PAGE 564
1980 FEB-1 PM 2:31
CLERK OF CIRCUIT COURT

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

* "Grantor" and "grantee" are used for singular or plural, as context requires.

In Witness Whereof, Grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Winnie S. Ball
Myrtle Ann McElroy

Bessie M. Farnell (Seal)
Bessie M. Farnell

_____ (Seal)

_____ (Seal)

_____ (Seal)

STATE OF FLORIDA
COUNTY OF COLUMBIA

I HEREBY CERTIFY that on this day before me, an officer duly qualified to take acknowledgments, personally appeared

BESSIE M. FARNELL, a widow

to me known to be the person described in and who executed the foregoing instrument and acknowledged before me that She executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 28th day of January, 1980.

Winnie S. Ball
Notary Public

My commission expires: 8/28/82

NOTARY PUBLIC STATE OF FLORIDA AT LARGE

113,28

e Use Only Application # 0603-113 Date Received 3/30 By JW Permit # 24404

plication Approved by - Zoning Official BLK Date 05.04.06 Plans Examiner OK JH Date 4-19-06

Flood Zone X Development Permit NA Zoning A-3 Land Use Plan Map Category A3

Comments (FDOT: ATTACHED-Permit) ~~Copy of Deed-RECORDED~~ NEEDED.

FAX 754-2365

pplicants Name Scott & Amy Baker Phone 758-3850

ddress 14489 South U.S. Hwy. 441, Lake City, FL 32024

)wners Name Same as above Phone

11 Address Same

Contractors Name Self Phone

ddress Same as above

ee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Nicholas P. Geisler, 1758 N.W. Brown Rd., Lake City, 32055

Mortgage Lenders Name & Address Bank of America / Atlantic Fed Credit C.U.

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progressive Energ

Property ID Number PROPOSED 03-6S-17-09587-004 Estimated Cost of Construction $175,000

Subdivision Name Lot Block Unit Phase

Driving Directions US. 441 south from Lake City. ½ mile south of I-75, turn left into driveway

Type of Construction Conc. Slab/Brick Veneer SFD Number of Existing Dwellings on Property 0

Total Acreage 10.20 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv (DOT)

Actual Distance of Structure from Property Lines - Front 930' Side 155 Side 155 Rear 279

Total Building Height 24' Number of Stories 1 Heated Floor Area 2419.6 Roof Pitch 7

Porch 464.2 GARAGE 473.5 TOTAL 3357

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or nstallation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of ll laws regulating construction in this jurisdiction.

)WNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Amy D Baker

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 14th day of March 2006.

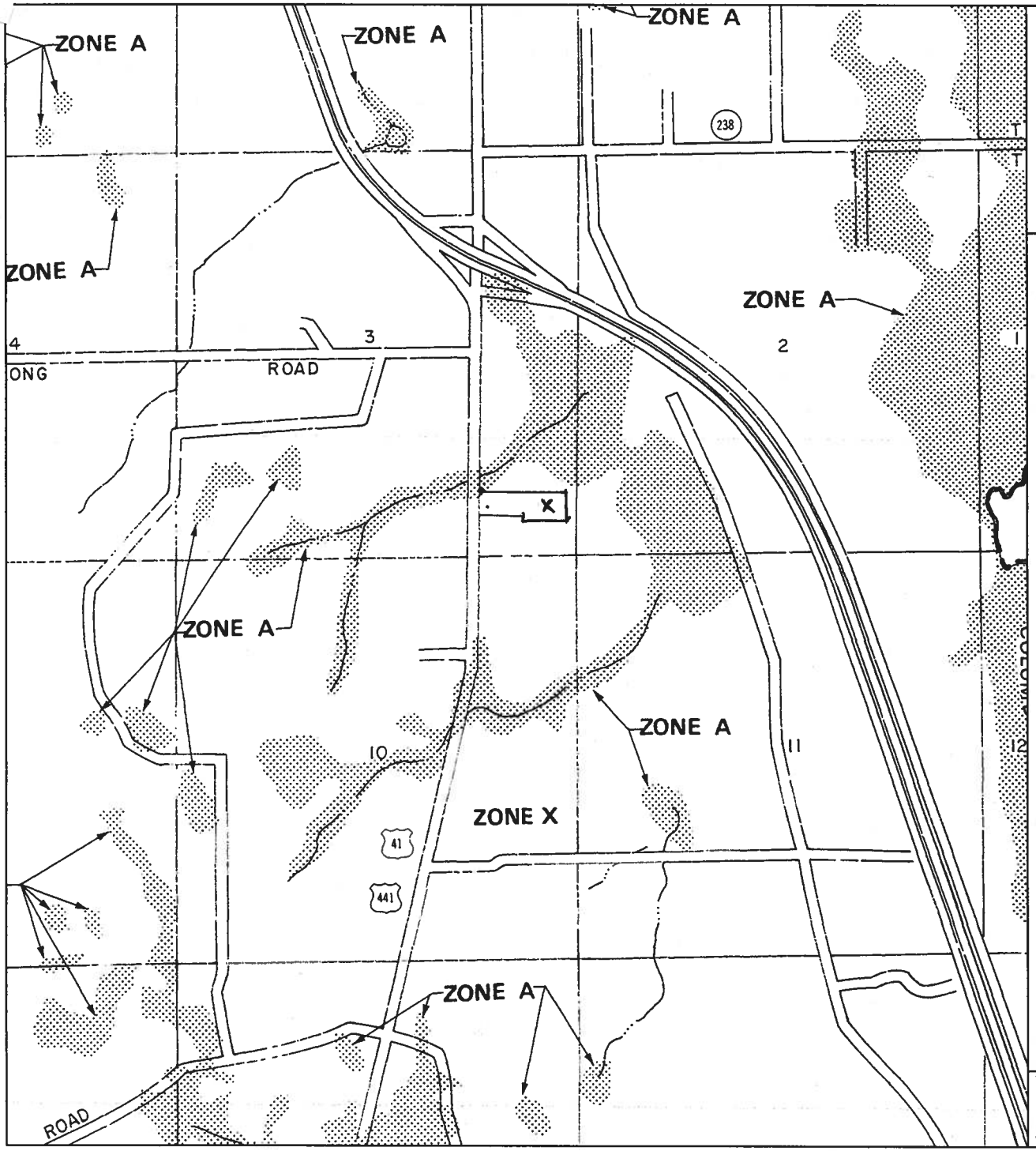
Personally known ✓ or Produced Identification

Angela Swanson

Notary Signature

NOTARY PUBLIC

ANGELA SWANSON
Notary Public, State of Florida
My comm expires Oct. 26, 2009
No. DD 485980



N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

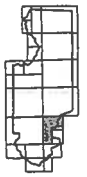
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 250 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0250 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Futher information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/mit/tsd.

Print Date: 4/3/2006 (printed at scale and type A)

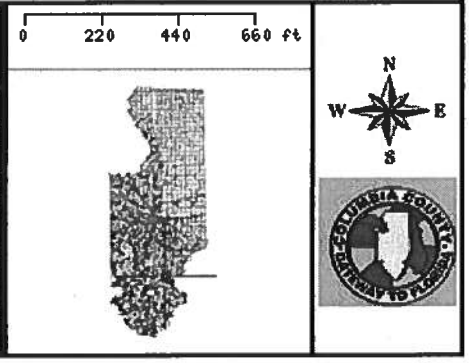
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 03-6S-17-09587-000 - PASTURELAN (006200)

N1/2 OF SE1/4 OF SE1/4 EX E 60 FT & SE1/4 OF NE1/4 OF SE1/4 EX E 60 FT OF S 60 FT.

Name:	LEE AMY PATRICE &	LandVal	$0.00
Site:	DISCOVERY	BldgVal	$0.00
	WILLIAM CORRY	ApprVal	$4,930.00
Mail:	134 DISCOVERY PL	JustVal	$147,900.00
	LAKE CITY, FL 32025	Assd	$4,930.00
Sales Info		Exmpt	$0.00
		Taxable	$4,930.00



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

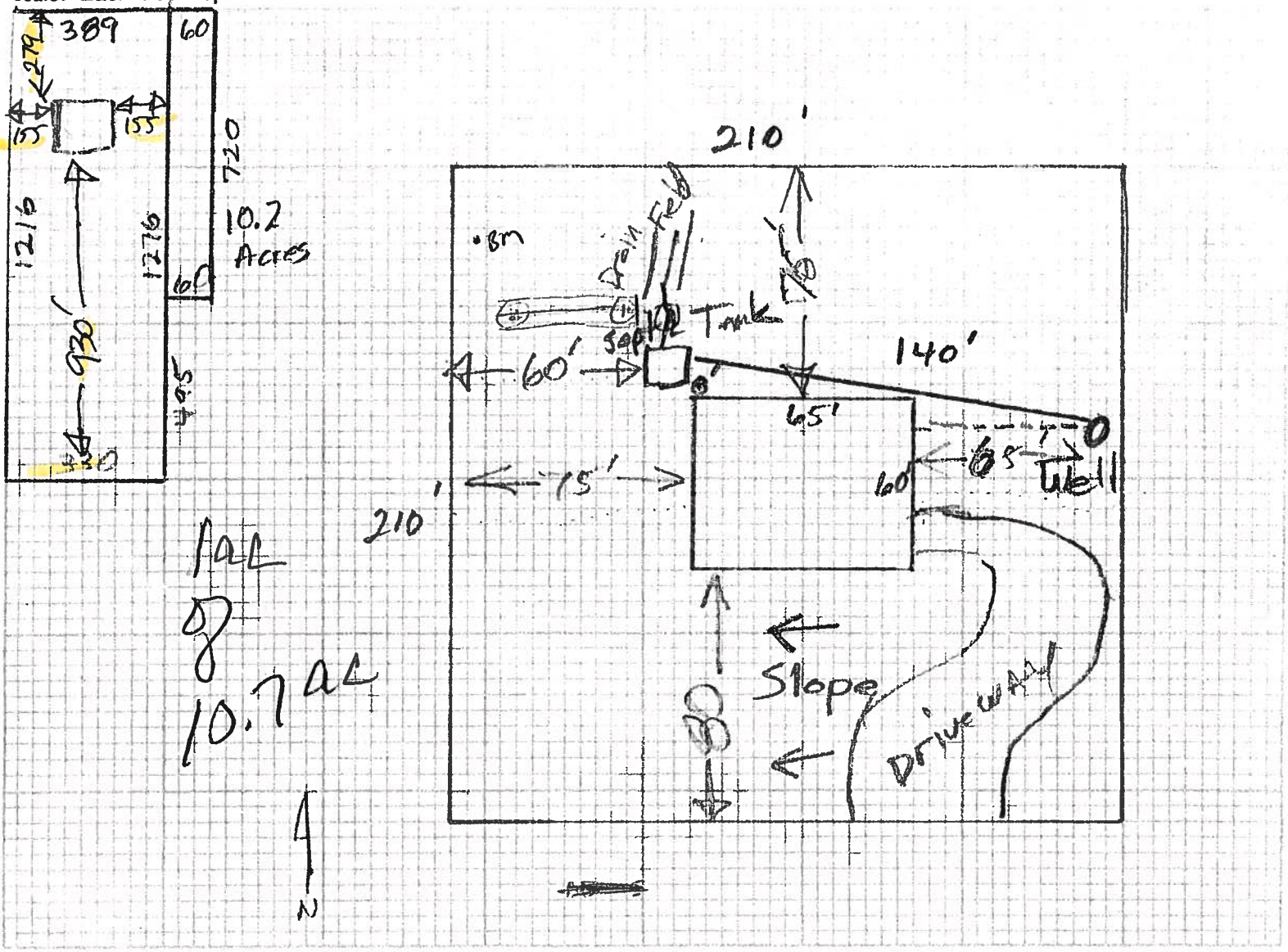
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0220

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

REVISED 3/27/16 Amy Baker

Site Plan submitted by: Amy P Baker (Signature) Owner (Title)

Plan Approved X Not Approved _____ Date 3/27/16

By _____ Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Robert Cabral Jr
Provident Title & Mortgage, Inc.
206 South Marion Avenue, Lake City, Florida 32025
Parcel ID No: 09587-000 & 09585-002

Quit Claim Deed

Made this March 30, 2006 A.D.by Willaim Corry Lee , hereinafter called the grantor, to **Steven Scott Baker, and Amy Patrice Baker, formerly known as, Amy Patrice Lee, husband and wife,** whose post office address is: **14489 South US Highway, Lake City, Florida 32024** hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal re-presentatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of $ TEN AND NO/100 DOLLARS ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, does hereby remise, release, and quit claim unto the grantee forever, all the right, title, interest, claim and demand which the said grantor has in and to, all that certain land situate in Columbia County, Florida, viz:

Lying and being in the SE 1/4 of the SE 1/4, of Section 3, Township 6 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:

Commence at the Southeast corner of the Section 3, Township 6 South, Range 17 East, Columbia County, Florida and run thence S 87 degrees, 18 minutes, 09 seconds W, along the South line of said Section 3, 1277.25 feet to the East Right-of-Way of U.S. Highway 41 (State Road No. 25); thence N 00 degrees, 53 minutes, 20 seconds W, along said East Right-of-Way, 669.25 feet to the Point of Beginning; thence continue N 00 degrees, 53 minutes, 20 seconds W, along said East Right-of-Way, 330.16 feet; thence N 87 degrees, 24 minutes, 28 seconds E, 1216.36 feet; thence S 00 degrees, 53 minutes, 56 seconds E, 389.93 feet; thence S 87 degrees, 23 minutes, 45 seconds W, 720.60 feet; thence N 01 degrees, 00 minutes, 01 seconds W, 60.02 feet to the South Line of the N 1/2 of SE 1/4 of SE 1/4 of said Section 3; thence S 87 degrees, 23 minutes, 45 seconds W, along said South Line, 495.73 feet to the Point of Beginning.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said grantor, either in law or equity, to the only proper use, benefit and behoof of the said grantee forever.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

[signature] ______ (Seal)

Witness Name Lynn Box Printed

William Corry Lee
Address:

[signature]

Witness Name Christine Zern Printed

Inst:2006008202 Date:04/04/2006 Time:12:32
Doc Stamp-Deed : 0.70
S.J. DC,P.DeWitt Cason,Columbia County B:1079 P:1316

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 30th day, of March, 2006, by , who is personally known to me or who has produced FLD as identification.

Notary Public State of Florida
... Lowrey
...ssion DD477506
...2009

[signature]
Notary Public
Print Name: Judi Lowrey
My Commission Expires: 10/2/09

Robert Cabral Jr
Provident Title & Mortgage, Inc.
206 South Marion Avenue, Lake City, Florida 32025
Parcel ID No: 09587-000 & 09585-002

Quit Claim Deed

Made this March 30, 2006 A.D.by Willaim Corry Lee , hereinafter called the grantor, to **Steven Scott Baker, and Amy Patrice Baker, formerly known as, Amy Patrice Lee, husband and wife,** whose post office address is: **14489 South US Highway, Lake City, Florida 32024** hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal re-presentatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of $ TEN AND NO/100 DOLLARS ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, does hereby remise, release, and quit claim unto the grantee forever, all the right, title, interest, claim and demand which the said grantor has in and to, all that certain land situate in Columbia County, Florida, viz:

Lying and being in the SE 1/4 of the SE 1/4, of Section 3, Township 6 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:

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Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said grantor, either in law or equity, to the only proper use, benefit and behoof of the said grantee forever.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

_______________ (Seal)
William Corry Lee
Address:

Witness Printed Name Lynn Box

Witness Printed Name Christine Bou...

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 30th day, of March, 2006, by , who is personally known to me or who has produced FLD as identification.

Notary Public State of Florida
... Lowrey
...ission DD477505
.../2009

Notary Public
Print Name: Judi Lowrey
My Commission Expires: 10/2/09

DRIVEWAY CONNECTION PERMIT FOR ALL CATEGORIES

PART 1: PERMIT INFORMATION

APPLICATION NUMBER: 06-A-292-17

Permit Category: A Access Classification: 04

Project: 16' EARTH LIMEROCK DRIVEWAY WITH DOUBLE 30' TURN RADII.

Permittee: AMY P. BAKER & W.C. LEE

Section/Mile Post: 29030 /9.549+- State Road: 25(S)

Section/Mile Post: N/A State Road: N/A

PART 2: PERMITTEE INFORMATION

Permittee Name: AMY P. BAKER & W.C. LEE

Permittee Mailing Address: 134 SW DISCOVERY PLACE

City, State, Zip: LAKE CITY, FL.32025

Telephone: (386)755-7336

Engineer/Consultant/or Project Manager: N/A

Engineer responsible for construction inspection: N/A (NAME) N/A (P.E. #)

Mailing Address: N/A

City, State, Zip: N/A

Telephone: N/A FAX, Mobile Phone, etc. N/A

PART 3: PERMIT APPROVAL

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

Permit Number: 06-A-292-17

Department of Transportation

Signature: Neil E. Miles Title: PERMITS COORDINATOR

Department Representative's Printed Name NEIL E. MILES

Temporary Permit ○ YES ◉ NO (If temporary, this permit is only valid for 6 months)

Special provisions attached ◉ YES ○ NO

Date of Issuance: FEB 2 8 2006

If this is a normal (non-temporary) permit it authorizes construction for one year from the date of issuance. This can only be extended by the Department as specified in 14-96.007(6).

See following pages for General and Special Provisions

PART 4: GENERAL PROVISIONS

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed work.

   Phone: 386-961-7180 , Attention:NEIL E. MILES, PERMITS COORDINATOR

2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection construction.
3. Comply with Rule 14-96.008(1), F.A.C., Disruption of Traffic.
4. Comply with Rule 14-96.008(7), F.A.C., on Utility Notification Requirements.
5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.
6. The permittee shall not commence use of the connection prior to a final inspection and acceptance by the Department.
7. Comply with Rule 14-96.003(3)(a), F.A.C., Cost of Construction.
8. If a Significant Change of the permittee's land use, as defined in Section 335.182, Florida Statutes, occurs, the Permittee must contact the Department.
9. Medians may be added and median openings may be changed by the Department as part of a Construction Project or Safety Project. The provision for a median might change the operation of the connection to be for right turns only.
10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.
11. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.
12. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature or device in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.
13. The Permittee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, and the Department, its agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect, or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this facility design, construction, maintenance, or continuing existence of the connection facility,except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.
14. The Permittee shall be responsible for determining and notify all other users of the right of way.
15. Starting work on the State Right of Way means that I am accepting all conditions on the Permit.

PART 5: SPECIAL PROVISIONS

NON-CONFORMING CONNECTIONS: ◉ YES ○ NO

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following shall be a part of this permit.

1. The non-conforming connection(s) described in this permit is (are) not permitted for traffic volumes exceeding the Permit Category on page 1 of this permit, or as specified in "Other Special Provisions" below.

2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS:
REFER TO APPROVED ACCESS PERMIT, GENERAL AND SPECIAL PROVISION SHEET AND THE LEGAL ATTACHED COVER LETTER FOR OFFICIAL DRIVEAY CONSTRUCTION AND SAFETY SPECIFICATION, AND FDOT APPROVED SITE-PLN FOR ANY ADDITIONAL INFORMATION NEEDED TO COMPLETE DRIVEWAYS. ALL WORK APPROVED HEREIN UNDER THIS PLAN SHALL BE ACCORDING TO THE STATE FDOT'S MOST CURRENT ROADWAY AND CONSTRUCTION SPECIFICATION AT THE TIME OF ACTUAL CONSTRUCTION AND PERMIT ACTIVATION. UPON ACTIVATION OF PERMIT THE PERMITTEE HAVE 3 0 DAYS TO COMPLETE ALL PHASES OF PERMITTED PROJECT. THE PERMIT SHALL ADHERE TO THE FINAL APPROVED SITE-PLAN DATED FEB 2 8 2006 . THIS PERMIT IS FOR(AMY P. BAKER & W.C. LEE). PERMITTEE SHALL NOTIFY THE FDOT PERMITS DEPT FOR PRE-CONTRUCTION MEETING (BEFORE) BEGINNING ANY WORK ON THE DOT R.O.W. CONSTRUCTION CONSIST OF : 16' EARTH LIMEROCK DRIVEWAY WITH DOUBLE 30' TURN RADII. WHILE ON WORKING ON THE FDOT'S R.O.W , PROPER (MOT) SHALL BE IN PLACE AND(ALL) CREW MEMBERS SHALL HAVE ON FDOT CERTIFIED SAFETY VEST (AT ALL TIMES). OTHERS WISE COULD RESULT IN FDOT SAFETY CODE VIOLATION.

PART 6: APPEAL PROCEDURES

You may request an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes. If you disagree with the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may request a formal administrative hearing pursuant to Section 120.57(1), Florida Statutes. If you agree with the facts stated in the Notice, you may request an informal administrative hearing pursuant to Section 120.57(2), Florida Statutes. You must send the written request to:

Clerk of Agency Proceedings
Department of Transportation
Haydon Burns Building
605 Suwannee Street, M.S. 58
Tallahassee, Florida 32399-0458

The written request for an administrative hearing must conform to the requirements of either Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and must be received by the Clerk of Agency Proceedings by 5:00 P.M., no later than 21 days after you received the Notice. The written request for an administrative hearing should include a copy of the Notice, and must be legible, on 8 ½ by 11 inch white paper, and contain:

1. Your name, address, telephone number, and Department identifying number on the Notice, if known, and name, address, and telephone number of your representative, if any;
2. An explanation of how you are affected by the action described in the Notice.
3. A statement of how and when you received the Notice.
4. A statement of all disputed issues of material fact. If there are none, you must so indicate.
5. A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle you to relief; and
6. A demand for relief.

A formal hearing will be held if there are disputed issued of material fact. If a formal hearing is held, this matter will be referred to the Division of Administrative Hearings, where you may present witnesses and evidence and cross examine other witnesses before an administrative law judge. If there are no disputed issues of material fact, an informal hearing will be held, in which case you will have the right to provide the Department with any written documentation or legal arguments which you wish the Department to consider.

Mediation, pursuant to Section 120.573, Florida Statutes, will be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an administrative hearing is not affected when mediation does not result in a settlement.

If a written request for an administrative hearing is not timely received you will have waived your right to have the intended action reviewed pursuant to Chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Other_____
(X) New Construction
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Scott + Amy Baker, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number_____

Steven Scott Baker 3-30-06
Signature Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 3.30.06 Building Official/Representative Daniel Greene

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	BAKER RESIDENCE	Builder:	
Address:		Permitting Office:	COLUMBIA
City, State:	COLUMBIA COUNTY, FL	Permit Number:	
Owner:	BAKER FAMILY	Jurisdiction Number:	2 ~~21~~ 1000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 34.0 kBtu/hr SEER: 14.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	2419.6 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 40.7 kBtu/hr HSPF: 8.70
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 252.0 ft²	b. N/A	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint) 252.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 259.9(p) ft	a. Electric Resistance	Cap: 50.0 gallons EF: 0.94
b. N/A		b. N/A	
c. N/A		c. Conservation credits (HR Heat recovery, Solar DHP-Dedicated heat pump)	
9. Wall types		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	CF,
a. Frame, Wood, Exterior	R=13.0, 1530.7 ft²		
b. Frame, Wood, Adjacent	R=13.0, 226.2 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 2723.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 240.0 ft		
b. N/A			

Glass/Floor Area: 0.12 Total as-built points: 25521 Total base points: 32878 **PASS**

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: 28 FEB 2006 ARL7005

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.5

The higher the score, the more efficient the home.

BAKER FAMILY, , COLUMBIA COUNTY, FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 34.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 14.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	2419.6 ft²		c. N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)		13.	Heating systems	
	a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 40.7 kBtu/hr
	(or Single or Double DEFAULT) 7a	(Dble Default) 252.0 ft²			HSPF: 8.70
	b. SHGC:			b. N/A	
	(or Clear or Tint DEFAULT) 7b	(Tint) 252.0 ft²			
8.	Floor types			c. N/A	
	a. Slab-On-Grade Edge Insulation	R=0.0, 259.9(p) ft			
	b. N/A		14.	Hot water systems	
	c. N/A			a. Electric Resistance	Cap: 50.0 gallons
9.	Wall types				EF: 0.94
	a. Frame, Wood, Exterior	R=13.0, 1580.7 ft²		b. N/A	
	b. Frame, Wood, Adjacent	R=13.0, 226.2 ft²			
	c. N/A			c. Conservation credits	
	d. N/A			(HR-Heat recovery, Solar	
	e. N/A			DHP-Dedicated heat pump)	
10.	Ceiling types		15.	HVAC credits	CF,
	a. Under Attic	R=30.0, 2723.0 ft²		(CF-Ceiling fan, CV-Cross ventilation,	
	b. N/A			HF-Whole house fan,	
	c. N/A			PT-Programmable Thermostat,	
11.	Ducts			MZ-C-Multizone cooling,	
	a. Sup: Unc, Ret: Con, AH: Interior	Sup: R=6.0, 240.0 ft		MZ-H-Multizone heating)	
	b. N/A				

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA DOE EnergyStar® designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321 638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850-487-1824.*

[1] Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Manual J Winter Calculations

Residential Load - Component Details (continued)

BAKER FAMILY

COLUMBIA COUNTY, FL

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

2/28/2006

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Winter

Residential Load - Component Details

BAKER FAMILY

COLUMBIA COUNTY, FL

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

2/28/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Tint, Metal, DEF	N	30.0	28.3	849 Btuh
2	2, Tint, Metal, DEF	N	44.1	28.3	1248 Btuh
3	2, Tint, Metal, DEF	N	18.7	28.3	529 Btuh
4	2, Tint, Metal, DEF	W	20.0	28.3	566 Btuh
5	2, Tint, Metal, DEF	W	11.4	28.3	323 Btuh
6	2, Tint, Metal, DEF	W	3.8	28.3	108 Btuh
7	2, Tint, Metal, DEF	SW	7.5	28.3	212 Btuh
8	2, Tint, Metal, DEF	S	25.0	28.3	708 Btuh
9	2, Tint, Metal, DEF	S	13.3	28.3	376 Btuh
10	2, Tint, Metal, DEF	S	18.9	28.3	535 Btuh
11	2, Tint, Metal, DEF	S	30.0	28.3	849 Btuh
12	2, Tint, Metal, DEF	S	16.0	28.3	453 Btuh
13	2, Tint, Metal, DEF	SE	7.5	28.3	212 Btuh
14	2, Tint, Metal, DEF	SE	3.8	28.3	108 Btuh
15	2, Tint, Metal, DEF	E	24.0	28.3	679 Btuh
16	2, Tint, Metal, DEF	E	15.0	28.3	424 Btuh
	Window Total		289		8179 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1531	3.1	4745 Btuh
2	Frame - Adjacent	13.0	226	1.6	362 Btuh
	Wall Total		1757		5107 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		48	17.9	853 Btuh
2	Wood - Adjac		18	9.2	164 Btuh
	Door Total		65		1017Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2723	1.3	3540 Btuh
	Ceiling Total		2723		3540Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	259.9 ft(p)	31.6	8213 Btuh
	Floor Total		260		8213 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	21776(sqft)	145	6240 Btuh
	Mechanical			150	6435 Btuh
	Infiltration Total			295	12675 Btuh

Totals for Heating	**Subtotal**	**38731 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1937 Btuh**
	Total Btuh Loss	**40668 Btuh**

System Sizing Calculations - Summer

Residential Load - Component Details

BAKER FAMILY

COLUMBIA COUNTY, FL

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 2/28/2006

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Tint, DEF, B, N	N	1.33	9.58	30.0	0.0	30.0	12	12	360	Btuh
2	2, Tint, DEF, B, N	N	7	8.67	44.1	0.0	44.1	12	12	529	Btuh
3	2, Tint, DEF, B, N	N	15	7.92	18.7	0.0	18.7	12	12	224	Btuh
4	2, Tint, DEF, B, N	W	1.33	6.25	20.0	0.0	20.0	12	35	700	Btuh
5	2, Tint, DEF, B, N	W	8.33	6.67	11.4	11.4	0.0	12	35	137	Btuh
6	2, Tint, DEF, B, N	W	0.5	2.92	3.8	0.0	3.8	12	35	133	Btuh
7	2, Tint, DEF, B, N	SW	8.33	6.25	7.5	7.5	0.0	12	30	90	Btuh
8	2, Tint, DEF, B, N	S	8.33	6.25	25.0	25.0	0.0	12	18	300	Btuh
9	2, Tint, DEF, B, N	S	0.5	2.92	13.3	13.3	0.0	12	18	160	Btuh
10	2, Tint, DEF, B, N	S	9.25	6.25	18.9	18.9	0.0	12	18	227	Btuh
11	2, Tint, DEF, B, N	S	1.33	6.33	30.0	30.0	0.0	12	18	360	Btuh
12	2, Tint, DEF, B, N	S	1.33	4.25	16.0	16.0	0.0	12	18	192	Btuh
13	2, Tint, DEF, B, N	SE	8.33	6.25	7.5	7.5	0.0	12	30	90	Btuh
14	2, Tint, DEF, B, N	SE	0.5	2.92	3.8	0.0	3.8	12	30	114	Btuh
15	2, Tint, DEF, B, N	E	1.33	6.25	24.0	0.0	24.0	12	35	840	Btuh
16	2, Tint, DEF, B, N	E	1.33	5.67	15.0	0.0	15.0	12	35	525	Btuh
	Window Total				289					4981	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1530.7	1.7	2663	Btuh
2	Frame - Adjacent	13.0	226.2	1.0	235	Btuh
	Wall Total		1756.9		2899	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	47.6	10.0	475	Btuh
2	Wood - Adjac	17.8	10.0	178	Btuh
	Door Total	65.4		652	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2723.0	1.4	3867	Btuh
	Ceiling Total		2723.0		3867	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	259.9 ft(p)	0.0	0	Btuh
	Floor Total		259.9		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	21776	127.3	2520	Btuh
	Mechanical			150	2970	Btuh
	Infiltration Total			277	5490	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		6	X	300	+	1200	3000	Btuh

Residential System Sizing Calculation

Summary

BAKER FAMILY

COLUMBIA COUNTY, FL

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

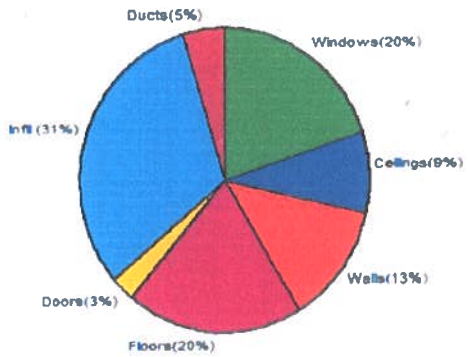
2/28/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**40668**	**Btuh**	**Total cooling load calculation**	**33973**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	100.1	40700	Sensible (SHR = 0.75)	111.0	25500
Heat Pump + Auxiliary(10.0kW)	184.0	74830	Latent	77.3	8500
			Total (Electric Heat Pump)	100.1	34000

WINTER CALCULATIONS

Winter Heating Load (for 2420 sqft)

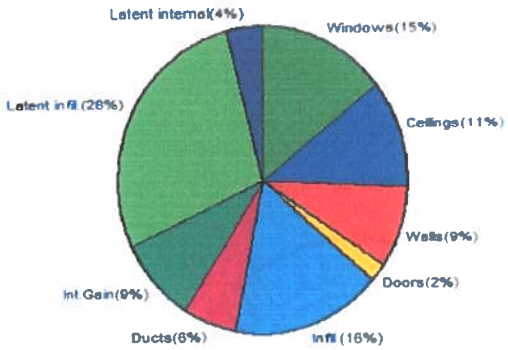
Load component			Load	
Window total	289	sqft	8179	Btuh
Wall total	1757	sqft	5107	Btuh
Door total	65	sqft	1017	Btuh
Ceiling total	2723	sqft	3540	Btuh
Floor total	260	ft	8213	Btuh
Infiltration	295	cfm	12675	Btuh
Subtotal			**38731**	**Btuh**
Duct loss			1937	Btuh
TOTAL HEAT LOSS			**40668**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2420 sqft)

Load component			Load	
Window total	289	sqft	4981	Btuh
Wall total	1757	sqft	2899	Btuh
Door total	65	sqft	652	Btuh
Ceiling total	2723	sqft	3867	Btuh
Floor total			0	Btuh
Infiltration	277	cfm	5490	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**20888**	**Btuh**
Duct gain			2089	Btuh
Total sensible gain			**22977**	**Btuh**
Latent gain(infiltration)			9616	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**10996**	**Btuh**
TOTAL HEAT GAIN			**33973**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE: 28 FEB 2006 ARZ005

System Sizing Calculations - Summer

Residential Load - Component Details

BAKER FAMILY

COLUMBIA COUNTY, FL

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

2/28/2006

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Tint, DEF, B, N	N	1.33	9.58	30.0	0.0	30.0	12	12	360	Btuh
2	2, Tint, DEF, B, N	N	7	8.67	44.1	0.0	44.1	12	12	529	Btuh
3	2, Tint, DEF, B, N	N	15	7.92	18.7	0.0	18.7	12	12	224	Btuh
4	2, Tint, DEF, B, N	W	1.33	6.25	20.0	0.0	20.0	12	35	700	Btuh
5	2, Tint, DEF, B, N	W	8.33	6.67	11.4	11.4	0.0	12	35	137	Btuh
6	2, Tint, DEF, B, N	W	0.5	2.92	3.8	0.0	3.8	12	35	133	Btuh
7	2, Tint, DEF, B, N	SW	8.33	6.25	7.5	7.5	0.0	12	30	90	Btuh
8	2, Tint, DEF, B, N	S	8.33	6.25	25.0	25.0	0.0	12	18	300	Btuh
9	2, Tint, DEF, B, N	S	0.5	2.92	13.3	13.3	0.0	12	18	160	Btuh
10	2, Tint, DEF, B, N	S	9.25	6.25	18.9	18.9	0.0	12	18	227	Btuh
11	2, Tint, DEF, B, N	S	1.33	6.33	30.0	30.0	0.0	12	18	360	Btuh
12	2, Tint, DEF, B, N	S	1.33	4.25	16.0	16.0	0.0	12	18	192	Btuh
13	2, Tint, DEF, B, N	SE	8.33	6.25	7.5	7.5	0.0	12	30	90	Btuh
14	2, Tint, DEF, B, N	SE	0.5	2.92	3.8	0.0	3.8	12	30	114	Btuh
15	2, Tint, DEF, B, N	E	1.33	6.25	24.0	0.0	24.0	12	35	840	Btuh
16	2, Tint, DEF, B, N	E	1.33	5.67	15.0	0.0	15.0	12	35	525	Btuh
	Window Total				289					4981	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1530.7	1.7	2663	Btuh
2	Frame - Adjacent	13.0	226.2	1.0	235	Btuh
	Wall Total		1756.9		2899	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	47.6	10.0	475	Btuh
2	Wood - Adjac	17.8	10.0	178	Btuh
	Door Total	65.4		652	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2723.0	1.4	3867	Btuh
	Ceiling Total		2723.0		3867	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	259.9 ft(p)	0.0	0	Btuh
	Floor Total		259.9		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	21776	127.3	2520	Btuh
	Mechanical			150	2970	Btuh
	Infiltration Total			277	5490	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		6	X	300	+	1200	3000	Btuh

System Sizing Calculations - Winter

Residential Load - Component Details

BAKER FAMILY

COLUMBIA COUNTY, FL

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

2/28/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Tint, Metal, DEF	N	30.0	28.3	849 Btuh
2	2, Tint, Metal, DEF	N	44.1	28.3	1248 Btuh
3	2, Tint, Metal, DEF	N	18.7	28.3	529 Btuh
4	2, Tint, Metal, DEF	W	20.0	28.3	566 Btuh
5	2, Tint, Metal, DEF	W	11.4	28.3	323 Btuh
6	2, Tint, Metal, DEF	W	3.8	28.3	108 Btuh
7	2, Tint, Metal, DEF	SW	7.5	28.3	212 Btuh
8	2, Tint, Metal, DEF	S	25.0	28.3	708 Btuh
9	2, Tint, Metal, DEF	S	13.3	28.3	376 Btuh
10	2, Tint, Metal, DEF	S	18.9	28.3	535 Btuh
11	2, Tint, Metal, DEF	S	30.0	28.3	849 Btuh
12	2, Tint, Metal, DEF	S	16.0	28.3	453 Btuh
13	2, Tint, Metal, DEF	SE	7.5	28.3	212 Btuh
14	2, Tint, Metal, DEF	SE	3.8	28.3	108 Btuh
15	2, Tint, Metal, DEF	E	24.0	28.3	679 Btuh
16	2, Tint, Metal, DEF	E	15.0	28.3	424 Btuh
	Window Total		289		8179 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1531	3.1	4745 Btuh
2	Frame - Adjacent	13.0	226	1.6	362 Btuh
	Wall Total		1757		5107 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		48	17.9	853 Btuh
2	Wood - Adjac		18	9.2	164 Btuh
	Door Total		65		1017Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2723	1.3	3540 Btuh
	Ceiling Total		2723		3540Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	259.9 ft(p)	31.6	8213 Btuh
	Floor Total		260		8213 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	21776(sqft)	145	6240 Btuh
	Mechanical			150	6435 Btuh
	Infiltration Total			295	12675 Btuh

Totals for Heating	**Subtotal**	**38731 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1937 Btuh**
	Total Btuh Loss	**40668 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

BAKER FAMILY

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

COLUMBIA COUNTY, FL

2/28/2006

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Manual J Summer Calculations

Residential Load - Component Details (continued)

BAKER FAMILY

COLUMBIA COUNTY, FL

Project Title:
BAKER RESIDENCE

Code Only
Professional Version
Climate: North

2/28/2006

Totals for Cooling	**Subtotal**	**20888 Btuh**
	Duct gain(using duct multiplier of 0.10)	**2089 Btuh**
	Total sensible gain	**22977 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**9616 Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**33973 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , COLUMBIA COUNTY, FL, PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2419.6	20.04	8729.0	Double, Tint	N	1.3	9.6	30.0	14.64	0.99	438.9	
				Double, Tint	N	7.0	8.7	44.1	14.84	0.74	486.5	
				Double, Tint	N	15.0	7.9	16.7	14.84	0.63	174.1	
				Double, Tint	W	1.3	6.3	20.0	30.93	0.94	581.5	
				Double, Tint	W	8.3	6.7	11.4	30.93	0.48	168.6	
				Double, Tint	W	0.5	2.9	3.8	30.93	0.97	113.8	
				Double, Tint	SW	8.3	6.3	7.5	32.30	0.44	106.6	
				Double, Tint	S	8.3	6.3	25.0	28.73	0.48	347.7	
				Double, Tint	S	0.5	2.9	13.3	28.73	0.94	359.1	
				Double, Tint	S	9.3	6.3	18.9	28.73	0.47	257.7	
				Double, Tint	S	1.3	6.3	30.0	28.73	0.90	774.9	
				Double, Tint	S	1.3	4.3	16.0	28.73	0.79	365.4	
				Double, Tint	SE	8.3	6.3	7.5	34.47	0.45	116.6	
				Double, Tint	SE	0.5	2.9	3.8	34.47	0.96	125.7	
				Double, Tint	E	1.3	6.3	24.0	33.89	0.94	764.0	
				Double, Tint	E	1.3	5.7	15.0	33.89	0.92	469.6	
				As-Built Total:				**289.0**			**5649.7**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	226.2	0.70	158.3	Frame, Wood, Exterior	13.0	1530.7	1.50	2296.0
Exterior	1530.7	1.70	2602.2	Frame, Wood, Adjacent	13.0	226.2	0.60	135.7
Base Total:	**1756.9**		**2760.5**	**As-Built Total:**		**1756.9**		**2431.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	17.8	2.40	42.7	Exterior Wood	47.5	6.10	290.1
Exterior	47.5	6.10	290.1	Adjacent Wood	17.8	2.40	42.7
Base Total:	**65.3**		**332.8**	**As-Built Total:**	**65.3**		**332.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2419.6	1.73	4185.9	Under Attic	30.0	2723.0	1.73 X 1.00	4710.8
Base Total:	**2419.6**		**4185.9**	**As-Built Total:**		**2723.0**		**4710.8**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	259.9(p)	-37.0	-9617.0	Slab-On-Grade Edge Insulation	0.0	259.9(p	-41.20	-10708.7
Raised	0.0	0.00	0.0					
Base Total:			**-9617.0**	**As-Built Total:**		**259.9**		**-10708.7**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **COLUMBIA COUNTY, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	2419.6	10.21	24704.1				2419.6	10.21		24704.1
Summer Base Points: 31094.3				**Summer As-Built Points:**						**27120.4**
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
31094.3		0.4266	13264.8	(sys 1: Central Unit 34000 btuh SEER/EFF(14.0) Ducts:Unc(S),Con(R),Int(AH) R6.0(INS) 27120 **27120.4**		1.00	(1.08 x 1.147 x 0.91) **1.128**	0.244 **0.244**	0.950 **0.950**	7086.9 **7086.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , COLUMBIA COUNTY, FL, PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points
.18 2419.6	12.74	5548.6

WALL TYPES	Area X	BWPM	= Points
Adjacent	226.2	3.60	814.3
Exterior	1530.7	3.70	5663.6
Base Total:	1756.9		6477.9

DOOR TYPES	Area X	BWPM	= Points
Adjacent	17.8	11.50	204.7
Exterior	47.5	12.30	584.9
Base Total:	65.3		789.6

CEILING TYPES	Area X	BWPM	= Points
Under Attic	2419.6	2.05	4960.2
Base Total:	2419.6		4960.2

FLOOR TYPES	Area X	BWPM	= Points
Slab	259.9(p)	8.9	2313.3
Raised	0.0	0.00	0.0
Base Total:			2313.3

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Point
Double, Tint	N	1.3	9.6	30.0	25.37	1.00	761.2
Double, Tint	N	7.0	8.7	44.1	25.37	1.02	1136.6
Double, Tint	N	15.0	7.9	18.7	25.37	1.02	486.2
Double, Tint	W	1.3	6.3	20.0	22.15	1.02	450.2
Double, Tint	W	8.3	6.7	11.4	22.15	1.19	300.7
Double, Tint	W	0.5	2.9	3.8	22.15	1.01	84.9
Double, Tint	SW	8.3	6.3	7.5	18.79	1.76	247.4
Double, Tint	S	8.3	6.3	25.0	15.87	3.15	1249.8
Double, Tint	S	0.5	2.9	13.3	15.87	1.03	216.7
Double, Tint	S	9.3	6.3	18.9	15.87	3.26	978.2
Double, Tint	S	1.3	6.3	30.0	15.87	1.07	509.0
Double, Tint	S	1.3	4.3	16.0	15.87	1.22	310.1
Double, Tint	SE	8.3	6.3	7.5	17.06	2.19	280.5
Double, Tint	SE	0.5	2.9	3.8	17.06	1.04	67.4
Double, Tint	E	1.3	6.3	24.0	20.51	1.03	505.0
Double, Tint	E	1.3	5.7	15.0	20.51	1.03	317.3
As-Built Total:				289.0			7901.4

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	13.0	1530.7	3.40	5204.4
Frame, Wood, Adjacent	13.0	226.2	3.30	746.5
As-Built Total:		1756.9		5950.8

Type	Area X	WPM	= Points
Exterior Wood	47.5	12.30	584.9
Adjacent Wood	17.8	11.50	204.7
As-Built Total:	65.3		789.6

Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	30.0	2723.0	2.05 X 1.00		5582.1
As-Built Total:		2723.0			5582.1

Type	R-Value	Area X	WPM	= Points
Slab-On-Grade Edge Insulation	0.0	259.9(p	18.80	4886.5
As-Built Total:		259.9		4886.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , COLUMBIA COUNTY, FL, PERMIT #:

BASE			AS-BUILT					
INFILTRATION Area X BWPM = Points			Area X WPM = Points					
2419.6	-0.59	-1427.6	2419.6	-0.59	-1427.6			
Winter Base Points:		18662.0	Winter As Built Points:					23682.9
Total Winter Points X	System Multiplier =	Heating Points	Total Component (System - Points) X	Cap Ratio X	Duct Multiplier X	System Multiplier X	Credit Multiplier =	Heating Points (DM x DSM x AHU)
			(sys 1: Electric Heat Pump 40700 btuh ,EFF(8.7) Ducts Unc(S),Con(R),Int(AH),R6.0					
18662.0	0.6274	11708.5	23682.9	1.00	1.152	0.392	1.000	10697.3

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , COLUMBIA COUNTY, FL,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	50.0	0.94	3	1.00	2578.94	1.00	7736.8	
				As-Built Total:						**7736.8**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
13265	**11709**	**7905**	**32878**	**7087**	**10697**	**7737**	**25521**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , **COLUMBIA COUNTY, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics. R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL. 32025
Phone 386-752-6677
Fax 386-752-1477

Building Permit # _____ Owner's Name Steven + Amy Baker

Well Depth _____ Ft. Casing Depth __ Ft. Water Level _____ Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Aermotor Pump Model S30-100 HP 1

System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 20 (GPM)

Tank Installation: Precharged Bladder Make Wellmaster Model PC-144 Size 81

Tank Draw-down per cycle at system pressure 25.1 gallons

I HEREBY VERTIFY THAT THIS WATER WELL SYSTEM HAS BEEN INSTALLED AS PER THE ABOVE INFORMATION.

Linda Newcomb
Signature

Linda Newcomb
Print Name

2609
License Number

3-29-06
Date

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 1/18/2006 **DATE ISSUED:** 1/23/2006

ENHANCED 9-1-1 ADDRESS:

14489 S US HIGHWAY 441

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

03-6S-17-09589-000

Remarks:

PARENT PARCEL

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

37

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

******THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.******

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 03-6S-17-09587-004 **PERMIT NUMBER** 000024404

1. **Description of property: (legal description of the property and street address or 911 address)**
   14489 South US Hwy 441
   Lake City, FL 32024
2. **General description of improvement:** Construction of 3 bedroom single family residence
3. **Owner Name & Address** Scott & Amy Baker
   Interest in Property
4. **Name & Address of Fee Simple Owner (if other than owner):**
5. **Contractor Name** Self- Amy Baker **Phone Number** 386-755-7336
   Address 134 SW Discovery Pl. Lake City FL. 32055
6. **Surety Holders Name** **Phone Number**
   Address
   Amount of Bond
7. **Lender Name** Atlantic Coast Federal Credit Un **Phone Number** 904-998-5500
   Address 10151 Deerwood PK BLVD, Ste 501, BLDG 100 Jacksonville, FL 32256
8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
   Name **Phone Number**
   Address
9. **In addition to himself/herself the owner designates** **of**
   to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –
   (a) 7. Phone Number of the designee
10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)**

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Sworn to (or affirmed) and subscribed before day of March 13, 20 06

Amy P Baker
Signature of Owner

NOTARY STAMP/SEAL

Inst:2006009594 Date:04/20/2006 Time:09:26
DC,P.DeWitt Cason,Columbia County B:1081 P:228

Angela Swanson
Signature of Notary

ANGELA SWANSON
Notary Public, State of Florida
My comm. expires Oct. 26, 2009
No. DD 485950

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

12 APRIL 2006

JOHNNY KEARSE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: BAKER RESIDENCE
PERMIT Nr.: _____

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CHANGES TO THE CONSTRUCTION DOCUMENTS FOR THE ABOVE REFERENCED PROJECT:

IN LIEU OF THE TRUSS ANCHORS INDICATED IN THE CON DOCS, IT SHALL BE PERMISSIBLE TO ANCHOR THE TRUSSES TO THE WALL PLATE WITH "SIMPSON" H2.5A ANCHORS EXCEPT AS NOTED HERE:

TRUSSES T02, T03, T04, T11, T13, T14, T15, T16, T17, T18 AND T22, USE 2 "SIMPSON" H2.5A, MOUNTED DIAGONAL OPPOSITE - 2 EACH, EACH END OF EACH TRUSS.

TRUSSES T21, T25 AND T29: USE "SIMPSON" LGT2 AT EA. BEARING LOCATION.

TRUSS T22G: USE 2 "SIMPSON" H10 AT EA. BEARING LOCATION.

TRUSS T01: USE "SIMPSON" LGT2 ANCHOR AT BEARING POINT 16, 2 "SIMPSON" LGT2 AT BEARING POINT 11.

TRUSS T09: USE 2 "SIMPSON" LGT2 ANCHORS AT BEARING POINT 17, 2 "SIMPSON" H2.5A AT BEARING POINT 10.

TRUSS T12: USE 2 "SIMPSON" LGT2 ANCHORS AT BEARING POINT 1, 2 "SIMPSON" HDU8-SDS2.5, W/ 1/2"ϕ ALL THREAD ROD, NUTS & WASHERS ONE MOUNTED TO THE TRUSS, AND ONE MOUNTED TO THE STUDS, BELOW, CONNECTED WITH THE ALL-THREAD ROD AT BEARING POINT 14.

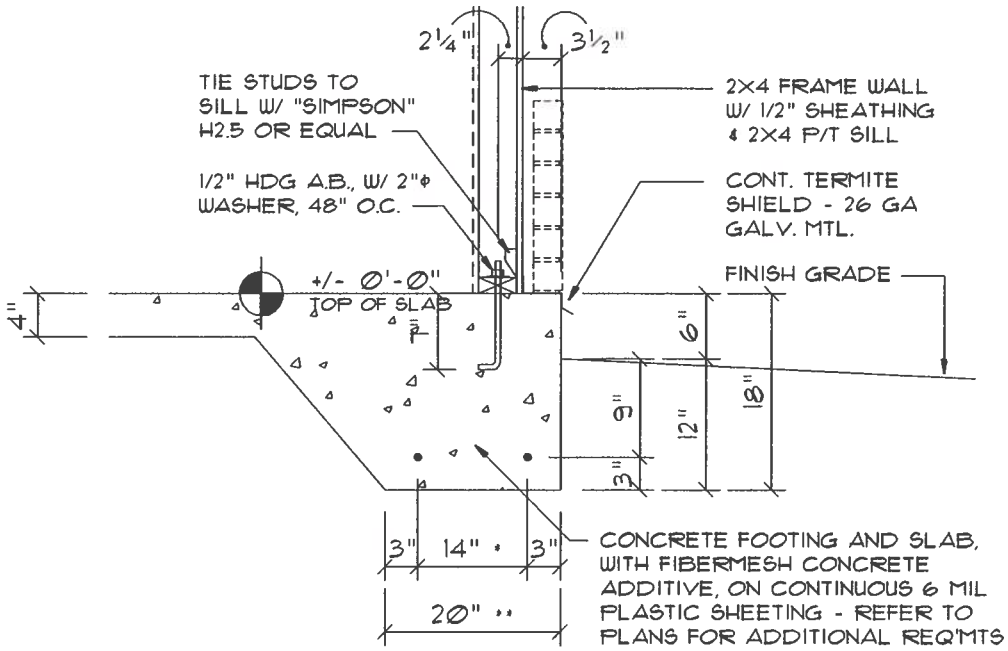
ALL TRUSSES LISTED ABOVE SHALL REQUIRE A MINIMUM OF ONE STUD PER TRUSS/PLY AT EACH BEARING POINT.

ALL TRUSSES WITH UPLIFT REACTIONS EXCEEDING 1000 LBS SHALL BE INDIVDUALLY ANCHORED TO THE FOUNDATION WITH AN ANCHOR SUITABLE THAT MATCHES OR EXCEEDS THE UPLIFT REACTION.

THE CONTRACTOR SHALL COORDINATE THE TRUSS PLACEMENT DIAGRAM WITH THE FOUNDATION PLAN AND ADJUST AS NEEDED TO PROVIDE FOUNDATION BEARING AT ALL INDICATED INTERIOR BEARING POINTS/WALLS PRIOR TO POURING ANY CONCRETE..

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR ASSISTANCE.

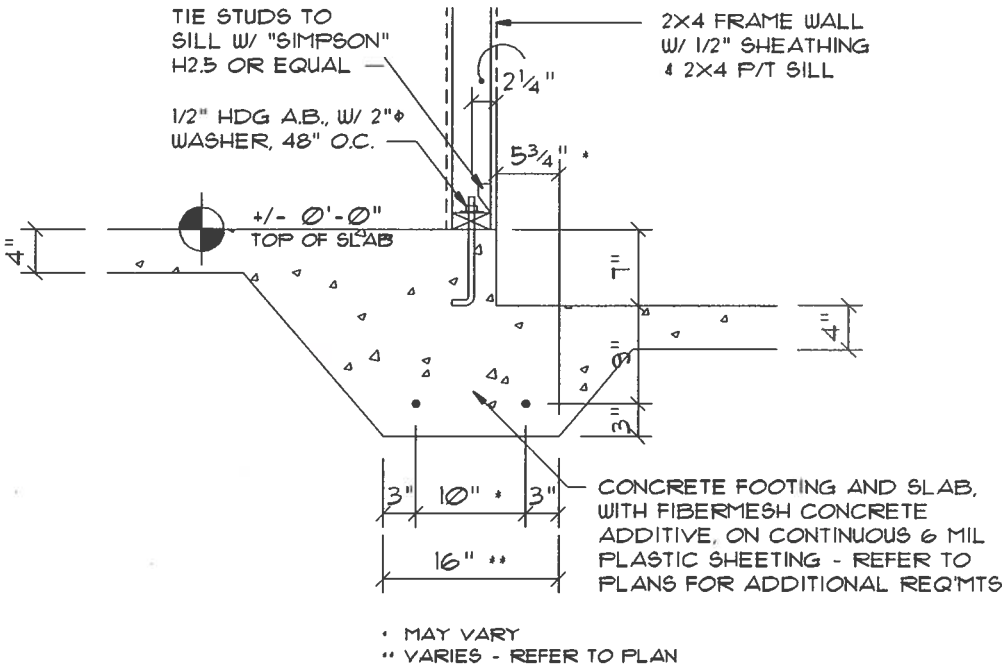
YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005



Typ. Mono. Ftg. DET.

A

SCALE: NONE



Typ. Mono. Ftg. DET.

B

SCALE: NONE

AR700T 13 Apr 26

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Ellisville, FL Columbia County **Project Name:** Baker Residence

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004.** We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS	Masonite Int.	Single Metal Edge Steel Door	FL 4242-.1
1. Swinging			
2. Sliding			
3. Sectional	Wayne Dalton	Garage Door	FL22-R1
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	M.I Windows & Doors	Windows	FL. 6079.7
2. Horizontal Slider	Kinco Ltd	~~Kinco Ltd~~ Windows	FL 123 R1
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding Hardie	James Hardee	Siding	FL. 889 -122
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			Shingles Hip FS 728.4, 728.5, 728.6
D. ROOFING PRODUCTS			
1. Asphalt Shingles	ELK	Shingles	
2. Underlayments	Woodland Industries	Underlayment	30RF → FL. 1814.3
3. Roofing Fasteners			15RF → FL. 1814.1
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

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

Reference to a building permit application Number: 0603-113

Owner/builder Scott & Amy Baker 11489 S US HY 441

On the date of April 3, 2006 application 0603-113 and plans for construction 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 0603-113 when making reference to this application.

1. 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.
2. Please submit product approval specification and product approval number(s) as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 for all material which will be on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products, EXTERIOR DOORS, WINDOWS, ROOFING, SKYLIGHTS and GLASS BLOCKS: More information about statewide product approval can be obtained at www.floridabuilding.org or use the enclosed forms labeled PRODUCT APPROVAL SPECIFICATION SHEET.

3. In bedroom # 3 and the Master bedroom please verify that the egress windows will comply with the FBC-2004 Section R310.1.1 Minimum opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m2).

   Exception: Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m2): R310.1.2 Minimum opening height. The minimum net clear opening height shall be 24 inches (610 mm): R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).

4. Please have Mr. Geisler supply the following information, show all required connectors with uplift rating for the truss system and required number and size of fasteners for continuous tie from the roof to foundation. These connection points shall be designed by an architect or engineer using the engineered roof truss plans.
5. Show on the electrical plan the location of the electrical service overcurrent protection device. This device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

☑ ☐ d) Location, size and height above roof of chimneys.
☑ ☐ e) Location and size of skylights
☑ ☐ f) Building height
☑ ☐ e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.
☑ ☐ b) Shear walls identified.
☑ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☑ ☐ d) Show safety glazing of glass, where required by code.
☑ ☐ e) Identify egress windows in bedrooms, and size.
☑ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
☑ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☑ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☑ ☐ b) All posts and/or column footing including size and reinforcing
☑ ☐ c) Any special support required by soil analysis such as piling
☑ ☐ d) Location of any vertical steel.

Roof System:

☑ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☑ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☑ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☐ ☐ h) Exhaust fans in bathroom

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)

☐ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☐ **Private Potable Water**

Z7404

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T17R	SPECIAL	1	1	

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.700 s Jul 13 2005 MiTek Industries, Inc. Wed May 31 09:34:39 2006 Page 1

3-0-0 | 5-10-5 | 11-6-13 | 17-0-0 | 22-11-2 | 28-10-5 | 33-9-8 | 39-0-0
3-0-0 | 5-10-5 | 5-8-13 | 5-5-13 | 5-11-2 | 5-11-2 | 4-11-2 | 5-2-10

Seab 2x4 SYP Front + back

Need Plywood Repair to match 7x10 plate

7-1-13 | 14-0-1 | 22-11-3 | 39-0-0
7-1-13 | 6-10-5 | 8-11-1 | 16-0-13

Plate Offsets (X,Y): [2:Edge,0-1-0], [6:0-3-0,0-3-0], [8:0-3-0,0-3-0], [10:0-3-8,0-3-0], [11:0-3-15,0-3-11]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.42	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-0.68	13-14	>682	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.52	11	n/a	n/a		
BCDL	5.0	Code FBC/TPI2002		(Matrix)							Weight: 310 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
LBR SCAB 1-5 2 X 4 SYP No.2 -- 1 side
2-14 2 X 4 SYP No.2 -- 1 side
SLIDER Left 2 X 5 SYP No.10 3-0-7, Right 2 X 6 SYP No.10 3-1-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-13 oc purlins, except
2-0-0 oc purlins (3-11-4 max.): 6-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-13

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FL 33559
FLORIDA LICENSE NUMBER CA 7882

1. ½" PLYWOOD OR O.S.B. BOTH FACES 36"x36" CUT TO FIT WITH 8d's 3" o.c. AT EACH MEMBER.

ROBERT W. WALL LICENSE NO. 46021 STATE OF FLORIDA PROFESSIONAL ENGINEER

FAX MEMORANDUM

MEMORANDUM

FLORIDA DEPARTMENT OF TRANSPORTATION

To: Mr. John Kerce, Dept. Director Columbia Co. Building & Zoning Dept. **Fax No: 904-758-2160**	**From:** Neil E. Miles, FDOT Permits Coor. **Date: 11-01-06 Fax No. 904-961-7180** **Attention: In-House Staff**

( ) Sign and return. ( ) For your files. ( ) Please call me. **(XX)** FYI ( ) For Review

REF: Notice of Existing Driveway Access Review / Inspected On: 10-31-06
PROJECT: Inspection of new Access Connection for FDOT Permit Compliance
NEW PROPT. OWNER: Amy Patrice Baker / PRIOR PROPT. OWNER:
PROPOSED: Inspection of existing access on SR-25 (US 41/441 SOUTH), South Ellisville
NEW PERMITTEE's MAILING ADDRESS: 134 SW Discovery Place, Lake City, Fl. 32025
COUNTY PARCEL ID No: 03-6S-17-09585-002
CONTRACTOR: In-House / Phone #
FDOT Permit No: 2006-A-292-17
Engineer: N/A

Mr. Kerce or Staff Member:

Per our field inspection of Tuesday Oct. 31st, the new access connection was found to meet all current access specifications for current FDOT Access and has hereby passed FDOT inspection for new use.

Please accept this as our notice of same and lift any Columbia County Permit restrictions that may have applied to this site due to State FDOT Access compliances.

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7180.

Sincerely,

Neil E. Miles

Neil Miles
Access Permits Coordinator

It's great to have folks like you to work with, thanks again for your assistance!

#24404 * 6 sheets faxed

Columbia County Property Appraiser

DB Last Updated: 10/4/2006

2006 Proposed Values

Parcel: 03-6S-17-09585-002

Tax Estimator | Property Search | Property Appraiser Map | Print

Owner & Property Info

<< Prev Search Result: 6 of 59 Next >>

Owner's Name	BAKER AMY PATRICE
Site Address	***
Mailing Address	14489 S US HWY 441 LAKE CITY, FL 32024
Description	COMM SE COR, RUN W 1277.25 FT TO E R/W US-41, N 669.25 FT FOR POB, CONT N 330.16 FT, E 1216.36 FT, S 389.93 FT, W 720.60 FT, N 60.02 FT, W 495.73 FT TO POB. ORB 853-1263, QC 1079-1316,

Use Desc. (code)	PASTURELAN (006200)
Neighborhood	3617.00
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	10.690 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (0)	$0.00
Ag Land Value	cnt: (1)	$1,924.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$1,924.00

Just Value	$85,520.00
Class Value	$1,924.00
Assessed Value	$1,924.00
Exempt Value	$0.00
Total Taxable Value	$1,924.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
3/30/2006	1079/1316	QC	V	U	01	$100.00
12/1/1997	853/1263	FS	V	U	01	$0.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
006200	PASTURE 3 (AG)	10.690 AC	1.00/1.00/1.00/1.00	$180.00	$1,924.00
009910	MKT.VAL.AG (MKT)	10.690 AC	1.00/1.00/1.00/1.00	$0.00	$85,520.00

Columbia County Property Appraiser DB Last Updated: 10/4/2006

Prev 6 of 59 Next

Disclaimer

This information was derived from data which was compiled by the Columbia County Property Appraiser's Office solely for the government purpose of property assessment. The information shown is a **work in progress** and should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's Office. The assessed values are **NOT CERTIFIED** values and therefore are subject to change before finalized for ad-valorem assessment purposes.

Scroll to Top

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Columbia County Tax Collector.

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Tax Record

print Ac

Last Update: 10/19/2006 9:12:34 PM EDT

Details
Tax Record
» Print View
Legal Desc.
Appraiser Data
Tax Payment
Payment History

Searches
Account Number
GEO Number
Owner Name
Property Address
Certificate NEW
Mailing Address

Site Functions
Disclaimer
Tax Search
Occupational Lic.
Contact Us
County Login
Home

Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be such.

Account Number	Tax Type	Tax Y
R09585-002	REAL ESTATE	200

Mailing Address
BAKER AMY PATRICE
14489 S US HWY 441
LAKE CITY FL 32024

Property Address

GEO Number
176S03-09585-002

Assessed Value	Exempt Amount	Taxable
$1,924.00	$0.00	$1,92

Exemption Detail
NO EXEMPTIONS

Millage Code
003

Escrow C

Legal Description (click for full description)
03-6S-17 6200/6200 10.69 Acres COMM SE COR, RUN W 12 FT TO E R/W US-41, N 669.25 FT FOR POB, CONT N 330.1 E 1216.36 FT, S 389.93 FT, W 720.60 FT, N 60.02 FT, 495.73 FT TO POB. ORB 853-1263, QC 1079-1316,

Ad Valorem Taxes

Taxing Authority	Rate	Exemption Amount	Taxable Value
BOARD OF COUNTY COMMISSIONERS	8.7260	0	$1,924
COLUMBIA COUNTY SCHOOL BOARD			
DISCRETIONARY	0.7600	0	$1,924
LOCAL	4.9750	0	$1,924
CAPITAL OUTLAY	2.0000	0	$1,924
SUWANNEE RIVER WATER MGT DIST	0.4914	0	$1,924
SHANDS AT LAKE SHORE	2.2500	0	$1,924
INDUSTRIAL DEVELOPEMENT AUTH	0.1380	0	$1,924

Total Millage	19.3404	Total Taxes	

Non-Ad Valorem Assessments

Code	Levying Authority
FFIR	FIRE ASSESSMENTS

Total Assessments	

Taxes & Assessments

If Paid By	Amc
11/30/2006	
12/31/2006	
1/31/2007	
2/28/2007	
3/31/2007	

Prior Years Payment

Prior Year Taxes Due
NO DELINQUENT TAXES

Print | << First < Previous Next > Last >>

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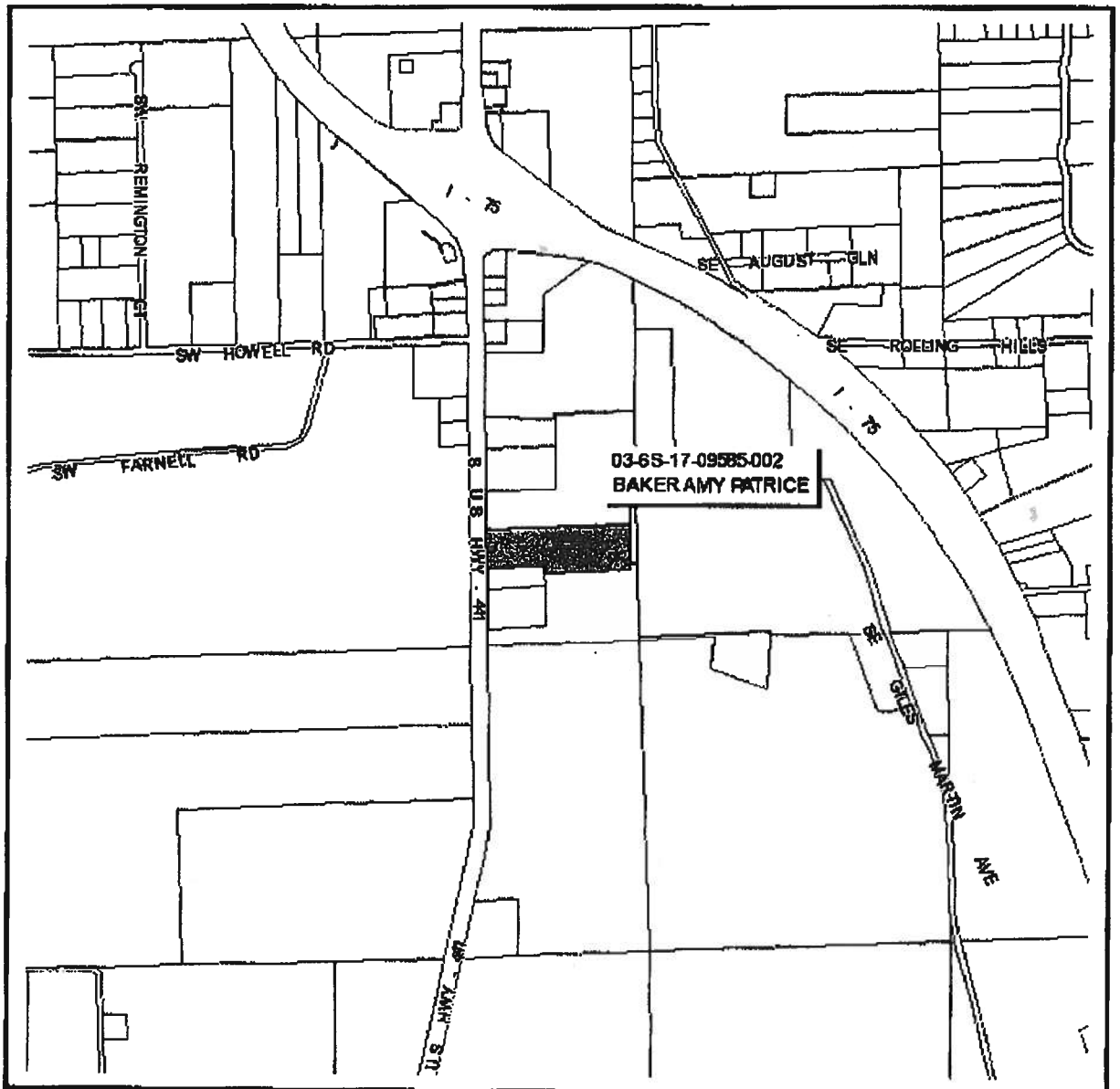
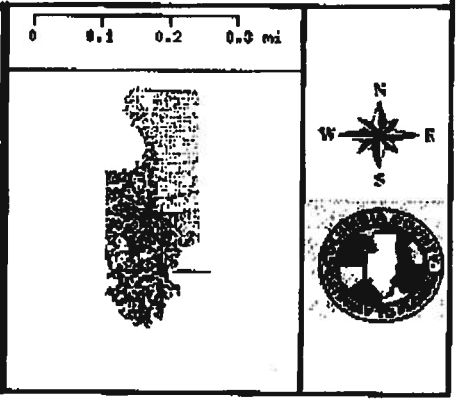


Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 03-6S-17-09585-002 - PASTURELAN (006200)

Name:	BAKER AMY PATRICE	LandVal	$0.00
Site:	***	BldgVal	$0.00
Mail:	14489 S US HWY 441 LAKE CITY, FL 32024	ApprVal	$1,924.00
		JustVal	$85,520.00
Sales Info	3/30/2006 $100.00 V / U	Assd	$1,924.00
		Exmpt	$0.00
	12/1/1997 $0.00 V / U	Taxable	$1,924.00



This information, GIS Map Updated: 10/4/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data

Notice of Treatment 11904

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: BAYA AVE
City LC Phone 7521703

Site Location: Subdivision
Lot # Block# Permit # 24404
Address 14489 US Hwy 441 S

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	3357	1250	6

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

7-18-06 Date | 1200 Time | FZ54 Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

Notice of Treatment 11904

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: BAYA AVE
City Lake City Phone 752 1705

Site Location: Subdivision
Lot # Block# Permit # 24404
Address 14984 S US Hwy 441

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling (MAIN body)	3357	369	265

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

5/5/06 Date | 1330 Time | FJSH Gunny Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

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 03-6S-17-09587-004 **Building permit No.** 000024404

Use Classification SFD, UTILITY **Fire:** 118.69

Permit Holder OWNER BUILDER **Waste:** 184.25

Owner of Building SCOTT & AMY BAKER **Total:** 302.94

Location: 14489 S US HIGHWAY 41, LAKE CITY, FL

Date: 11/02/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

BAKER

Project Information for:	L150001 (OB)		
Builder:	Amy Baker	Date:	3/10/2006
Lot:	N/A	Start Number:	**1132**
Subdivision:	14489 S. US Hwy 441		
County or City:	Columbia County		
Truss Page Count:	60		

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2

Gravity		**Wind**		**Building Code:**	**FBC2004**
Roof (psf):	**42**	Wind Standard:	**ASCE 7-02**		
Floor (psf):	55	Wind Speed (mph):	**110**		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

Owner Builder
Address: N/A
N/A Designer: **102**

Truss Design Engineer: 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 veritcal loads only, unless noted otherwise.

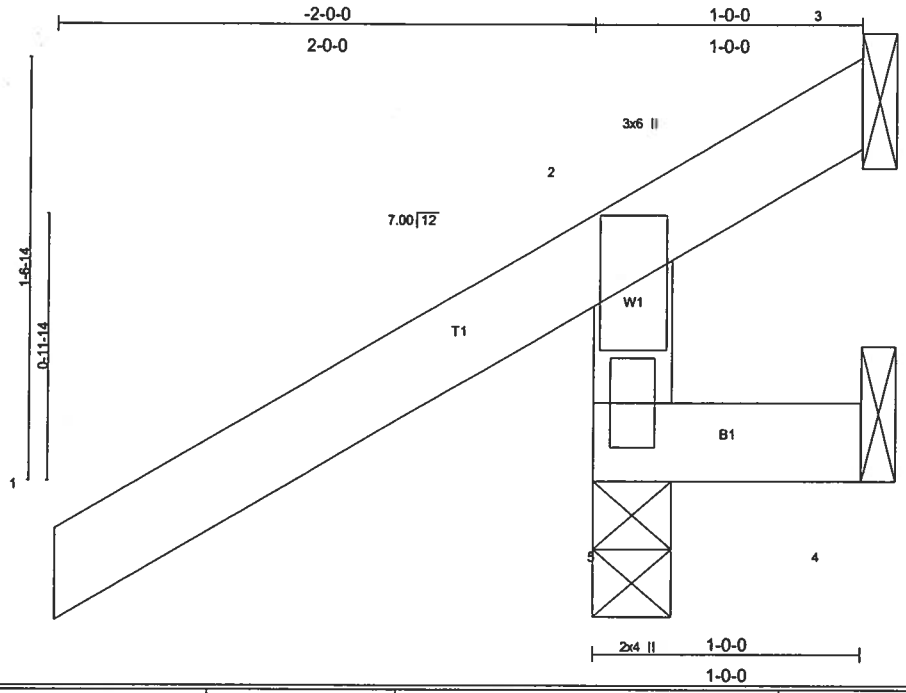
#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0310061132	3/10/2006	41	T14	0310061172	3/10/2006
2	CJ1A	0310061133	3/10/2006	42	T15	0310061173	3/10/2006
3	CJ1B	0310061134	3/10/2006	43	T16	0310061174	3/10/2006
4	CJ2	0310061135	3/10/2006	44	T17	0310061175	3/10/2006
5	CJ3	0310061136	3/10/2006	45	T18	0310061176	3/10/2006
6	CJ4B	0310061137	3/10/2006	46	T19	0310061177	3/10/2006
7	CJ5	0310061138	3/10/2006	47	T20	0310061178	3/10/2006
8	CJ5B	0310061139	3/10/2006	48	T21	0310061179	3/10/2006
9	EJ1	0310061140	3/10/2006	49	T21G	0310061180	3/10/2006
10	EJ3	0310061141	3/10/2006	50	T22	0310061181	3/10/2006
11	EJ5	0310061142	3/10/2006	51	T22G	0310061182	3/10/2006
12	EJ6	0310061143	3/10/2006	52	T23	0310061183	3/10/2006
13	EJ6A	0310061144	3/10/2006	53	T24	0310061184	3/10/2006
14	EJ7	0310061145	3/10/2006	54	T25	0310061185	3/10/2006
15	EJ7A	0310061146	3/10/2006	55	T26	0310061186	3/10/2006
16	EJ7B	0310061147	3/10/2006	56	T26G	0310061187	3/10/2006
17	EJ7C	0310061148	3/10/2006	57	T27	0310061188	3/10/2006
18	HJ1	0310061149	3/10/2006	58	T28	0310061189	3/10/2006
19	HJ2	0310061150	3/10/2006	59	T29	0310061190	3/10/2006
20	HJ3	0310061151	3/10/2006	60	T31	0310061191	3/10/2006
21	HJ5	0310061152	3/10/2006				
22	HJ6	0310061153	3/10/2006				
23	HJ6A	0310061154	3/10/2006				
24	HJ7	0310061155	3/10/2006				
25	PB1	0310061156	3/10/2006				
26	PB2	0310061157	3/10/2006				
27	PB3	0310061158	3/10/2006				
28	T01	0310061159	3/10/2006				
29	T02	0310061160	3/10/2006				
30	T03	0310061161	3/10/2006				
31	T04	0310061162	3/10/2006				
32	T05	0310061163	3/10/2006				
33	T06	0310061164	3/10/2006				
34	T07	0310061165	3/10/2006				
35	T08	0310061166	3/10/2006				
36	T09	0310061167	3/10/2006				
37	T10	0310061168	3/10/2006				
38	T11	0310061169	3/10/2006				
39	T12	0310061170	3/10/2006				
40	T13	0310061171	3/10/2006				

MAR 10 2006

Dwg.#0310061132

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ1	JACK	12	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 09:58:11 2006 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	0.30	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	0.00	5	>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: 8 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=299/0-3-8, 4=-21/Mechanical, 3=-92/Mechanical
Max Horz 5=103(load case 5)
Max Uplift5=-248(load case 5), 4=-21(load case 1), 3=-92(load case 1)
Max Grav 5=299(load case 1), 4=3(load case 3), 3=99(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-253/293, 1-2=0/58, 2-3=-69/58
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 5, 21 lb uplift at joint 4 and 92 lb uplift at joint 3.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061133

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ1A	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 09:58:27 2006 Page 1

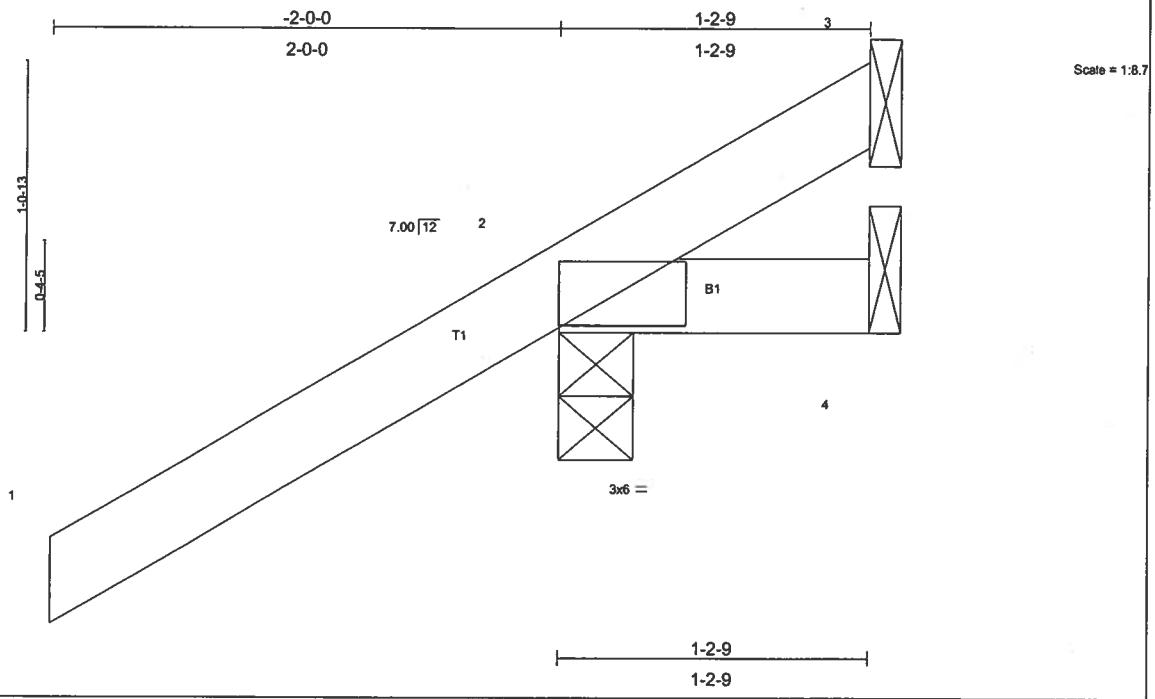


Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>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: 8 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 1-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=254/0-3-8, 4=18/Mechanical, 3=-63/Mechanical
Max Horz 2=107(load case 5)
Max Uplift2=-255(load case 5), 3=-63(load case 1)
Max Grav 2=254(load case 1), 4=18(load case 1), 3=101(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-68/63
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 255 lb uplift at joint 2 and 63 lb uplift at joint 3.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061134

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ1B	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 09:58:45 2006 Page 1

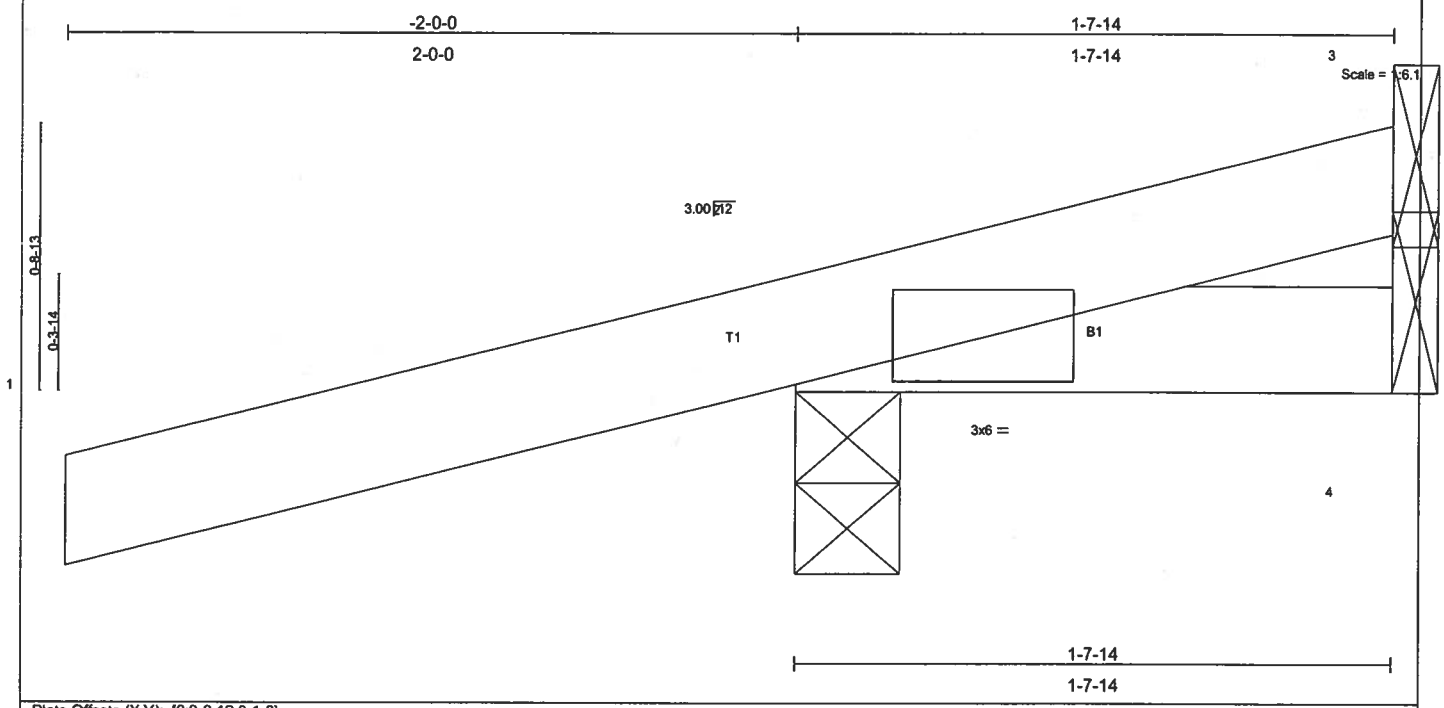


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	2	>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: 8 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 1-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=246/0-3-8, 4=24/Mechanical, 3=-25/Mechanical
Max Horz 2=51(load case 3)
Max Uplift2=-233(load case 3), 4=-15(load case 3), 3=-25(load case 1)
Max Grav 2=246(load case 1), 4=24(load case 1), 3=43(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-29/11
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 2, 15 lb uplift at joint 4 and 25 lb uplift at joint 3.

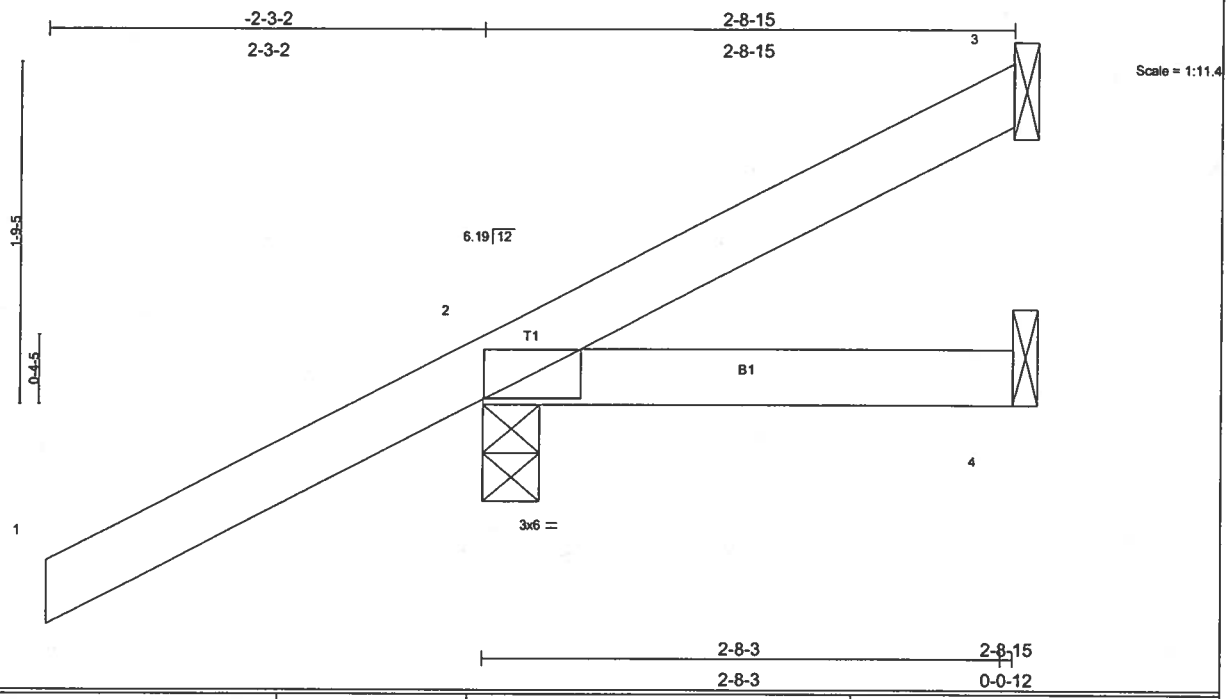
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061135

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ2	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 09:59:42 2006 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	0.34	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	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: 13 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=7/Mechanical, 2=298/0-3-8, 4=38/Mechanical
Max Horz 2=138(load case 5)
Max Uplift3=-17(load case 6), 2=-237(load case 5)
Max Grav 3=24(load case 3), 2=298(load case 1), 4=38(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-64/11
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 17 lb uplift at joint 3 and 237 lb uplift at joint 2.

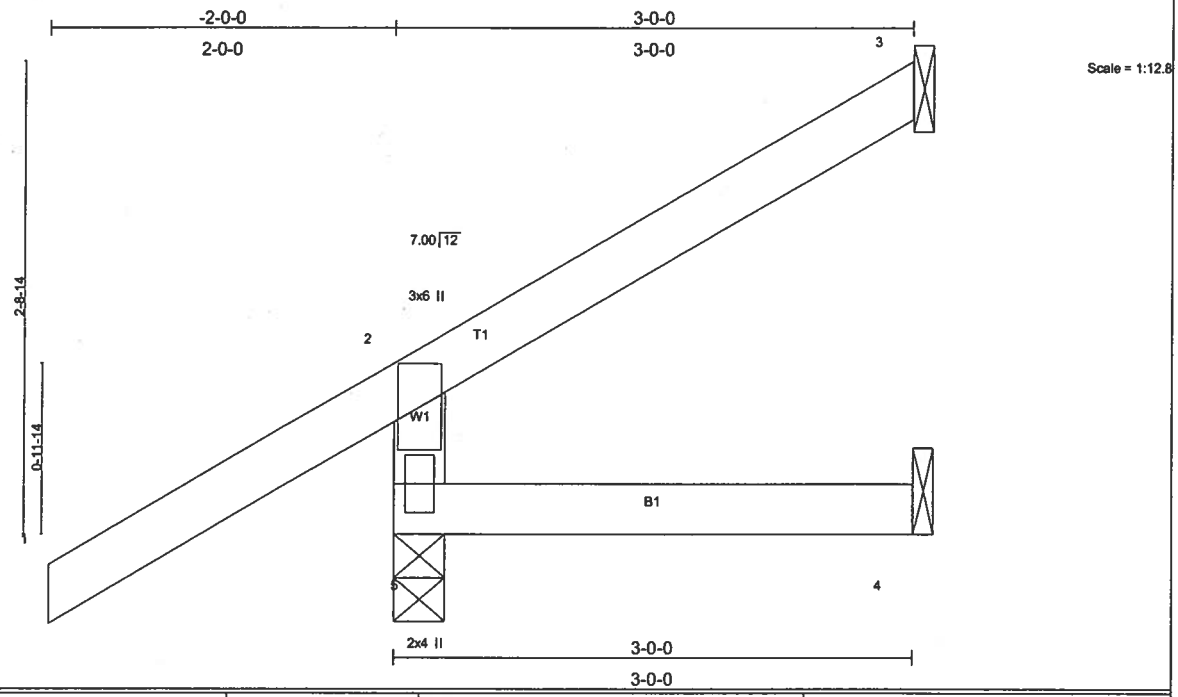
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061136

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ3	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:00:00 2006 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	0.37	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.00	4-5	>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: 14 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 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=278/0-3-8, 3=44/Mechanical, 4=29/Mechanical
Max Horz 5=174(load case 5)
Max Uplift5=-162(load case 5), 3=-48(load case 5), 4=-2(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-223/206, 1-2=0/58, 2-3=-54/14
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 5, 48 lb uplift at joint 3 and 2 lb uplift at joint 4.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061137

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ4B	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:00:17 2006 Page 1

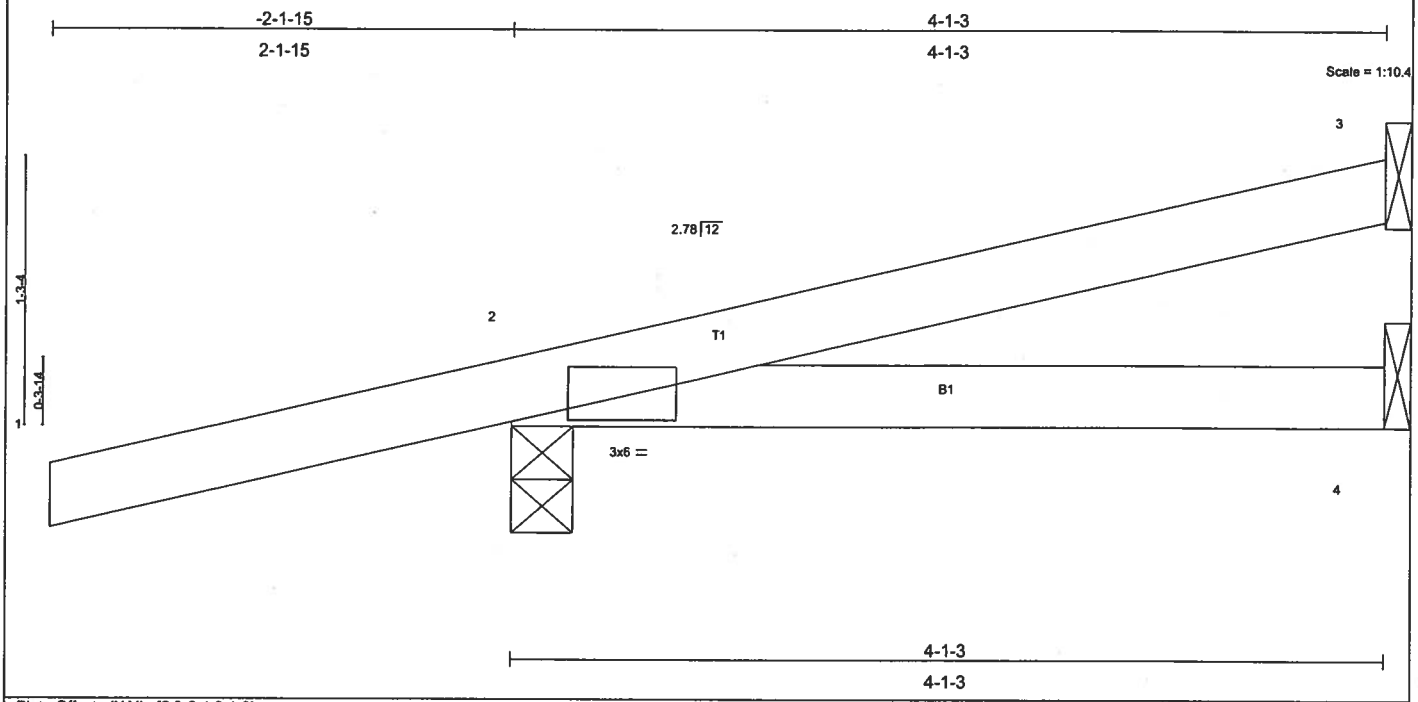


Plate Offsets (X,Y): [2:0-2-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.04	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	0.03	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 4-1-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=68/Mechanical, 2=325/0-3-8, 4=58/Mechanical
Max Horz 2=75(load case 3)
Max Uplift3=-39(load case 3), 2=-275(load case 3), 4=-37(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-34/11
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 3, 275 lb uplift at joint 2 and 37 lb uplift at joint 4.

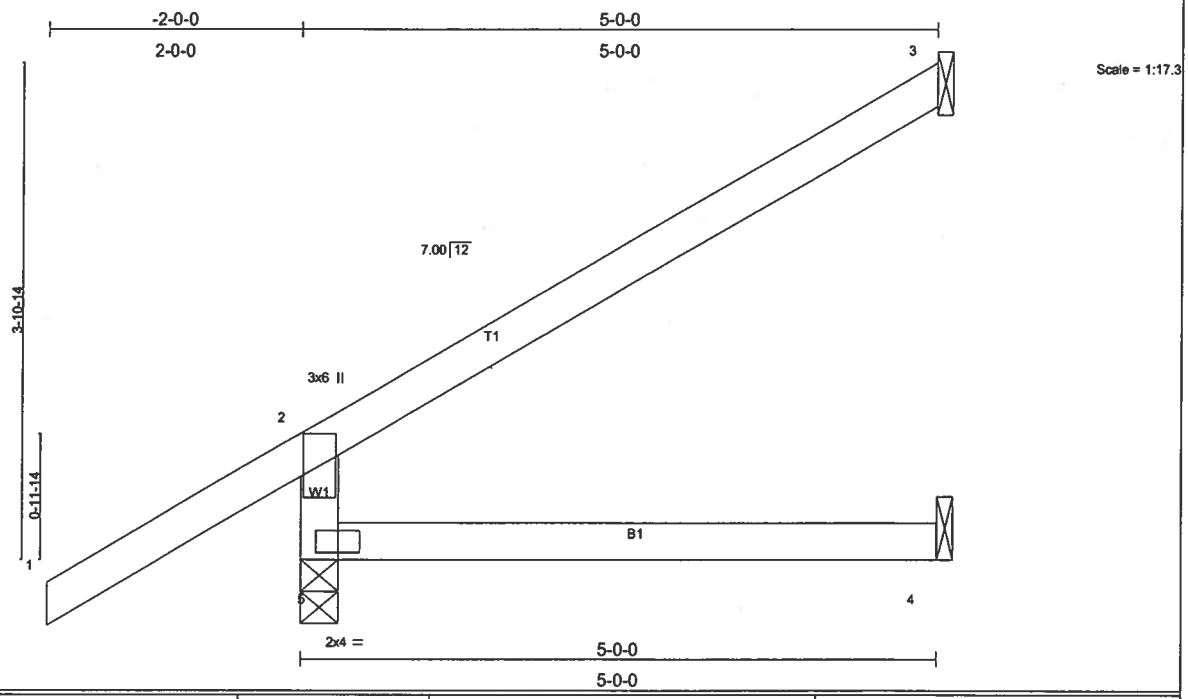
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061138

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ5	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:00:50 2006 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	0.31	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.04	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.02	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

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

REACTIONS (lb/size) 5=343/0-3-8, 3=107/Mechanical, 4=68/Mechanical
Max Horz 5=227(load case 5)
Max Uplift5=-162(load case 5), 3=-108(load case 5), 4=-3(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-267/223, 1-2=0/58, 2-3=-81/41
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 5, 108 lb uplift at joint 3 and 3 lb uplift at joint 4.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061139

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	CJ5B	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:01:11 2006 Page 1

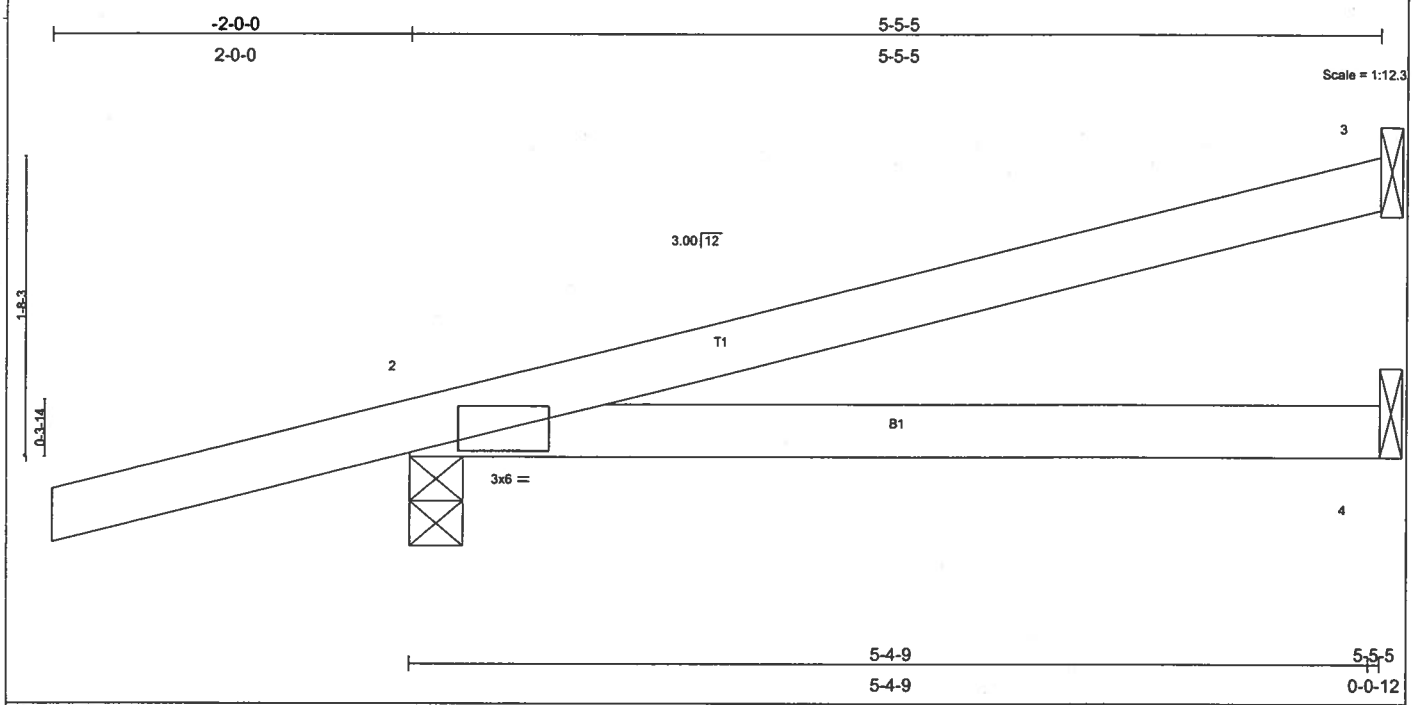


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

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)	0.12	2-4	>509	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	0.11	2-4	>594	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: 20 lb	

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

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

REACTIONS (lb/size) 3=118/Mechanical, 2=360/0-3-8, 4=79/Mechanical
Max Horz 2=94(load case 3)
Max Uplift3=-81(load case 3), 2=-287(load case 3), 4=-50(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-46/23
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 3, 287 lb uplift at joint 2 and 50 lb uplift at joint 4.

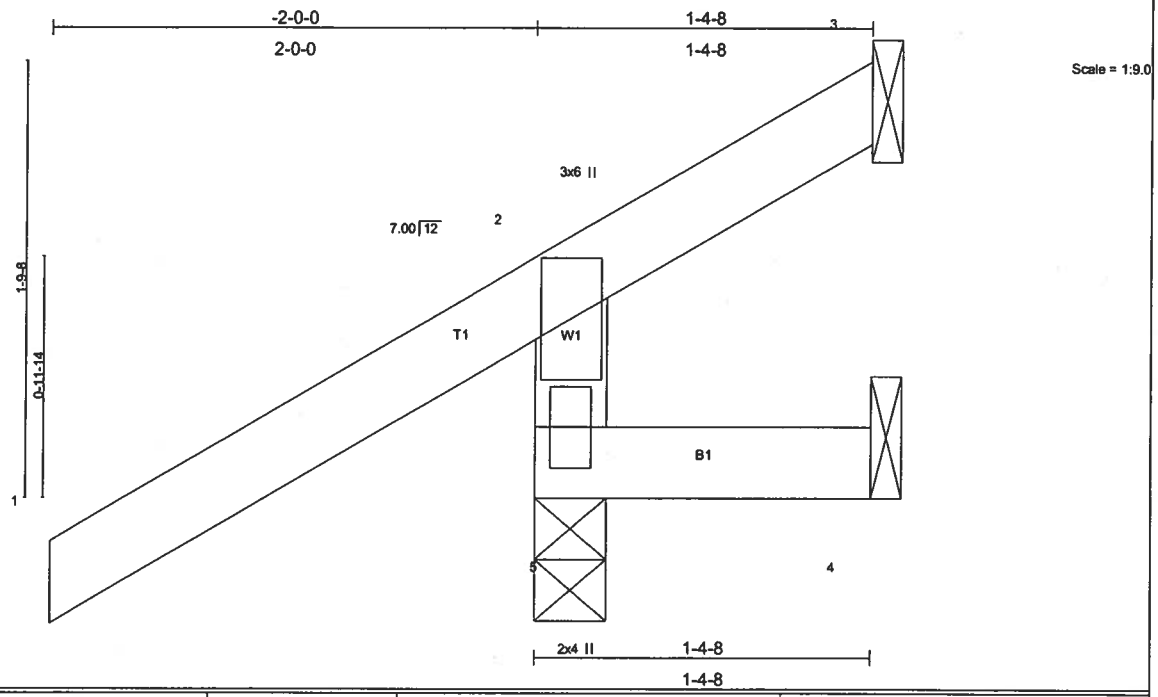
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061140

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ1	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:01:36 2006 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	0.32	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	0.00	5	>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: 9 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 1-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=269/0-3-8, 4=-9/Mechanical, 3=-42/Mechanical
Max Horz 5=114(load case 5)
Max Uplift5=-207(load case 5), 4=-9(load case 1), 3=-42(load case 1)
Max Grav 5=269(load case 1), 4=6(load case 3), 3=43(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-224/244, 1-2=0/58, 2-3=-54/26
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 5, 9 lb uplift at joint 4 and 42 lb uplift at joint 3.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061141

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ3	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:01:51 2006 Page 1

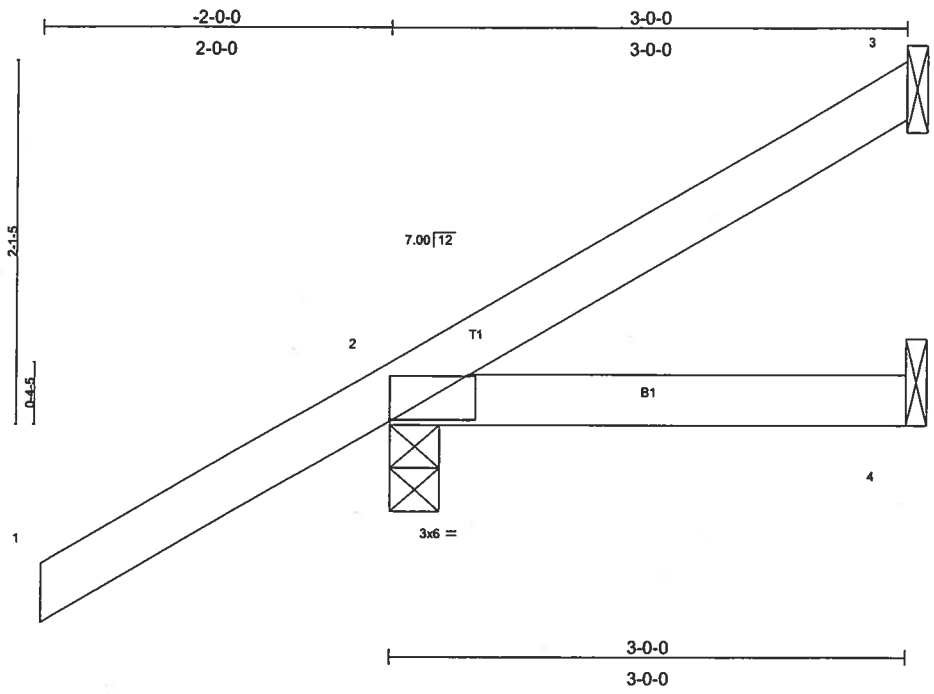


Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	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: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift3=-31(load case 6), 2=-200(load case 5)
Max Grav 3=31(load case 3), 2=278(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-64/15
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 31 lb uplift at joint 3 and 200 lb uplift at joint 2.

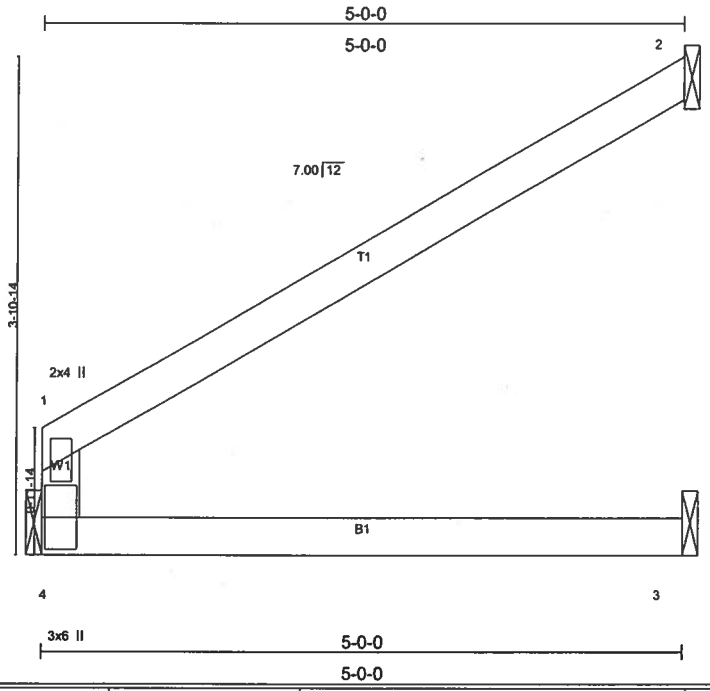
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061142

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ5	JACK	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:02:33 2006 Page 1



Scale = 1:17.3

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.04	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	3-4	>968	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.04	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 17 lb	

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

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

REACTIONS (lb/size) 4=201/Mechanical, 2=122/Mechanical, 3=79/Mechanical
Max Horz 4=129(load case 5)
Max Uplift4=-18(load case 5), 2=-123(load case 5), 3=-11(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-137/66, 1-2=-87/49
BOT CHORD 3-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 18 lb uplift at joint 4, 123 lb uplift at joint 2 and 11 lb uplift at joint 3.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061143

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ6	MONO TRUSS	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:24:23 2006 Page 1

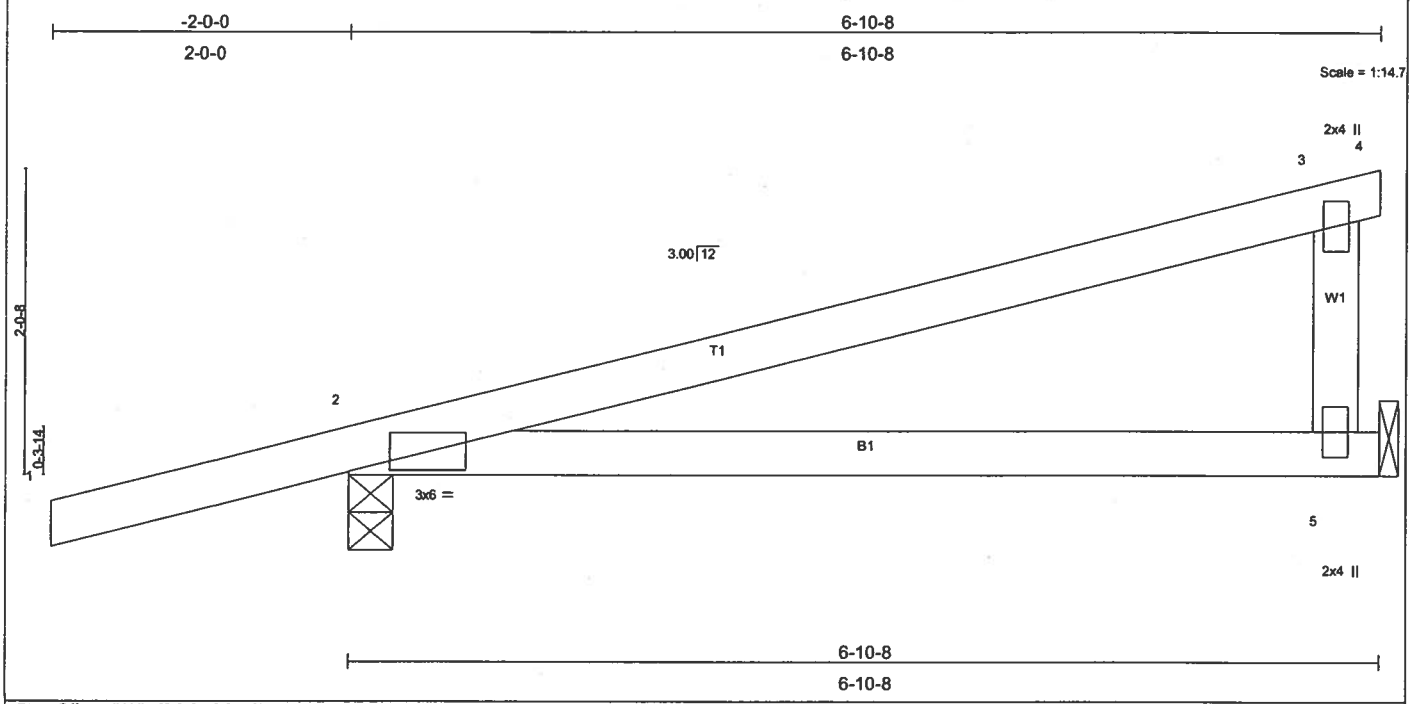


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.28	2-5	>277	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	0.24	2-5	>324	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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) 2=405/0-3-8, 5=255/Mechanical
Max Horz 2=111(load case 3)
Max Uplift2=-314(load case 3), 5=-182(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-57/30, 3-4=-1/0
BOT CHORD 2-5=0/0
WEBS 3-5=-159/169

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 2 and 182 lb uplift at joint 5.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061144

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ6A	MONO TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:25:08 2006 Page 1

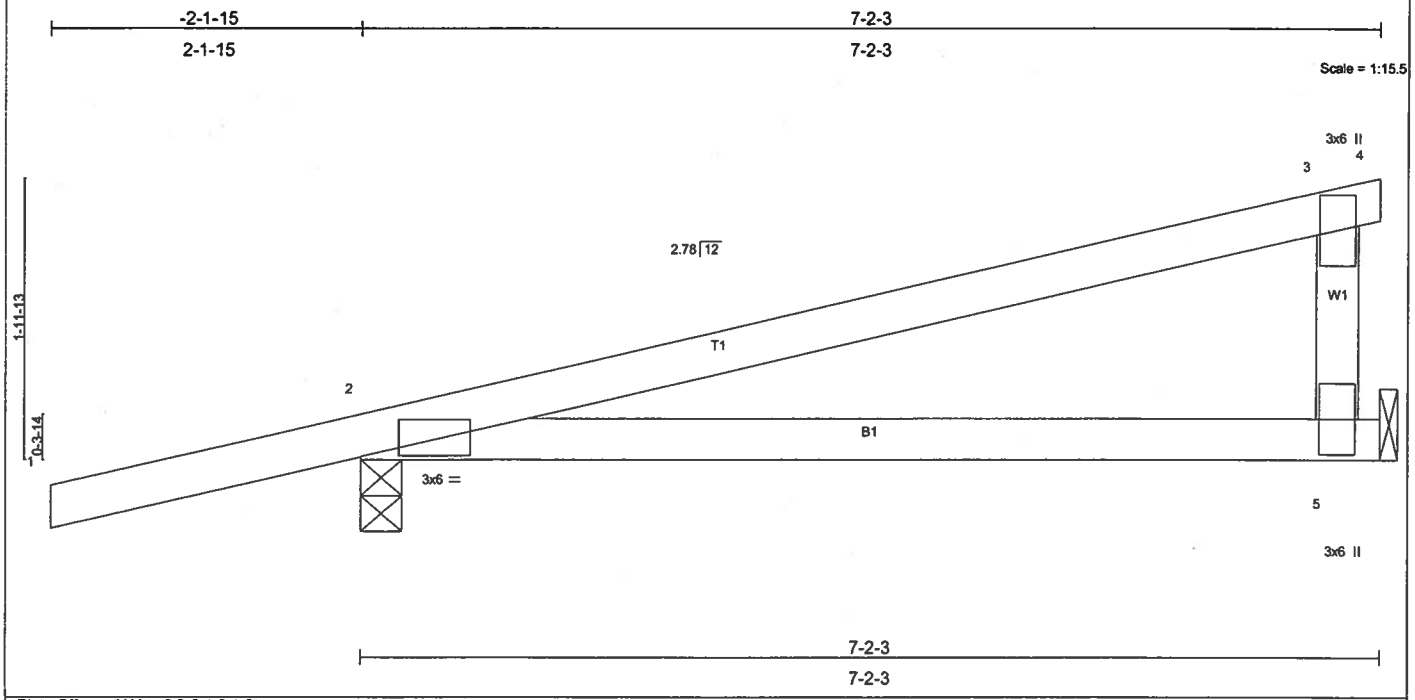


Plate Offsets (X,Y): [2:0-2-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	0.13	2-5	>612	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	0.11	2-5	>726	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 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=266/Mechanical, 2=429/0-3-8
Max Horz 2=108(load case 3)
Max Uplift5=-187(load case 3), 2=-334(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-260/253, 3-4=-1/0, 3-5=-146/150
BOT CHORD 2-5=-297/214

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 5 and 334 lb uplift at joint 2.

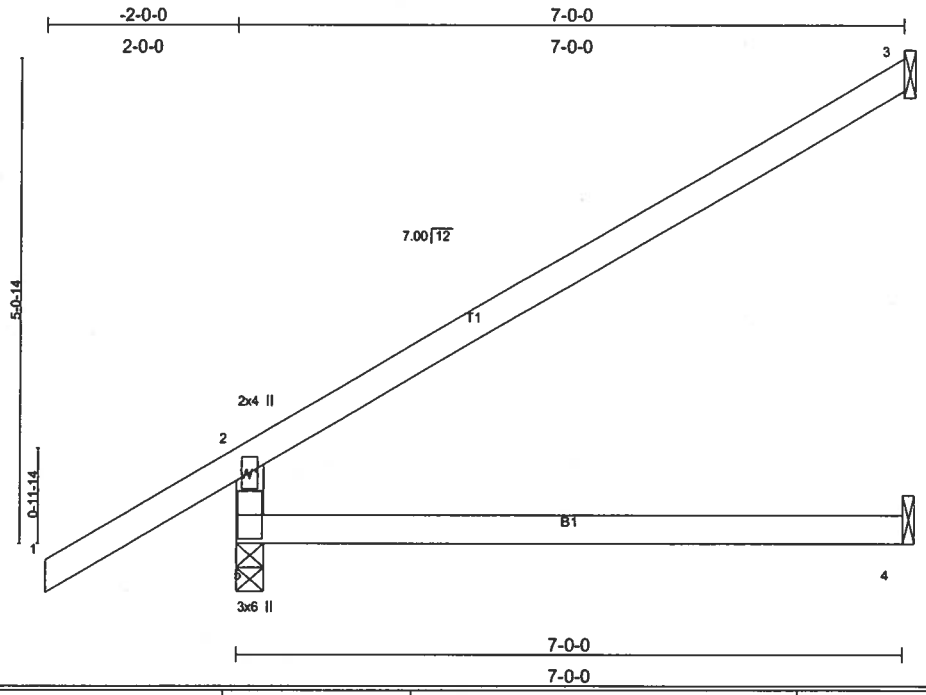
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061145

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ7	MONO TRUSS	29	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:25:38 2006 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	0.57	Vert(LL)	-0.12	4-5	>668	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.21	4-5	>397	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.08	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 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) 3=163/Mechanical, 5=419/0-3-8, 4=104/Mechanical
Max Horz 5=281(load case 5)
Max Uplift3=-159(load case 5), 5=-171(load case 5), 4=-6(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-115/63, 2-5=-320/244
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 3, 171 lb uplift at joint 5 and 6 lb uplift at joint 4.

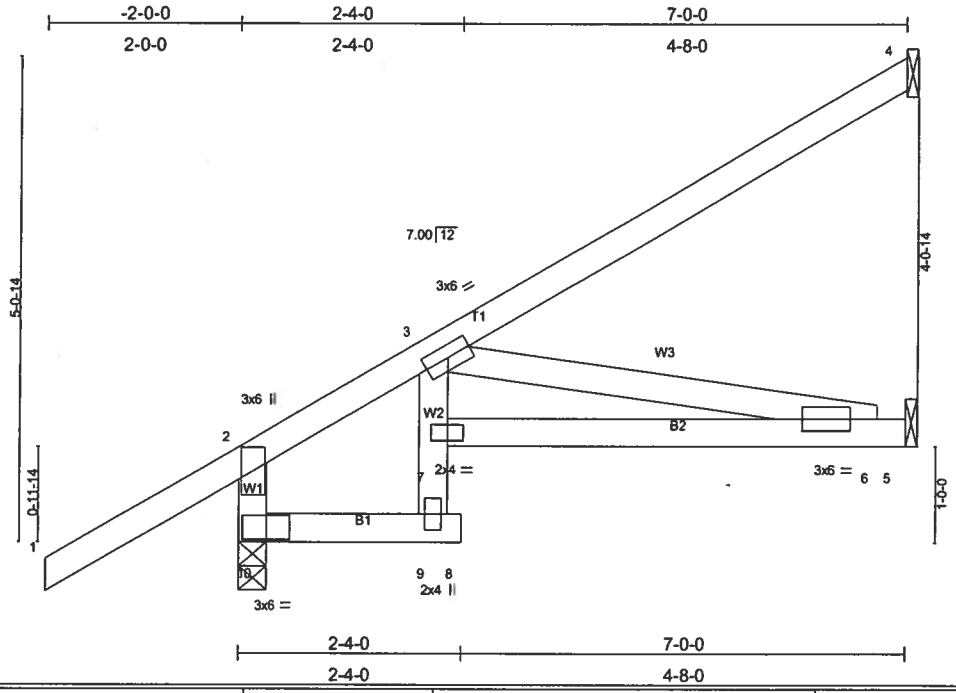
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061146

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ7A	SPECIAL	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:49:11 2006 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	0.41	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.09	6-7	>948	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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

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) 4=124/Mechanical, 10=426/0-3-8, 5=146/Mechanical
Max Horz 10=281(load case 5)
Max Uplift4=-116(load case 5), 10=-170(load case 5), 5=-48(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-275/19, 3-4=-84/49, 2-10=-335/189
BOT CHORD 9-10=-178/190, 8-9=0/0, 6-7=-384/410, 5-6=0/0
WEBS 3-6=-417/390, 7-9=-25/18, 3-7=0/52

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 4, 170 lb uplift at joint 10 and 48 lb uplift at joint 5.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061147

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ7B	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:49:59 2006 Page 1

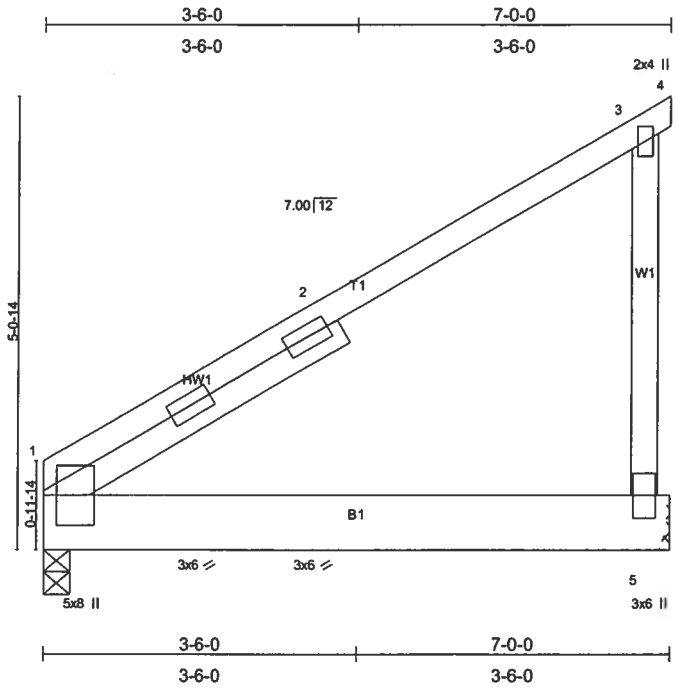


Plate Offsets (X,Y): [1:0-4-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.08	1-5	>984	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.13	1-5	>614	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-9-14

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-6-14 oc bracing.

REACTIONS (lb/size) 1=860/0-3-8, 5=864/Mechanical
Max Horz 1=211(load case 4)
Max Uplift1=-261(load case 4), 5=-414(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-119/0, 2-3=-93/63, 3-4=-2/0
BOT CHORD 1-5=0/0
WEBS 3-5=-167/158

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 261 lb uplift at joint 1 and 414 lb uplift at joint 5.
4) Girder carries tie-in span(s): 10-6-0 from 0-0-0 to 7-0-0
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: 1-3=-54, 3-4=-14, 1-5=-202(F=-172)

MARCH 10,2006 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

Dwg.#0310061148

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	EJ7C	COMMON	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:53:08 2006 Page 1

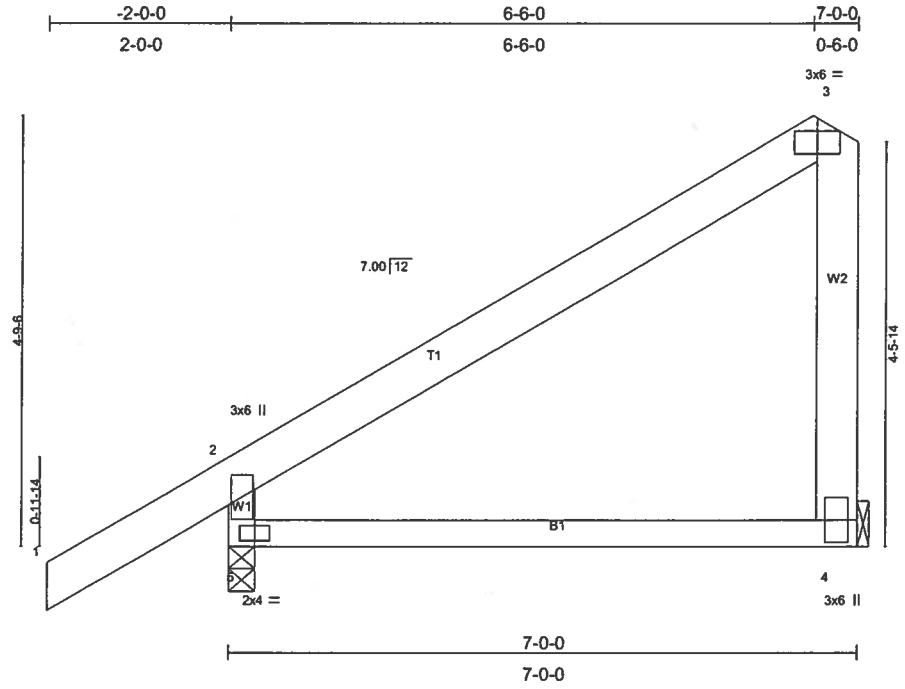


Plate Offsets (X,Y): [3:0-3-0,0-1-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.05	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 6 SYP No.1D *Except*
W1 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=413/0-3-8, 4=259/Mechanical
Max Horz 5=274(load case 5)
Max Uplift5=-174(load case 5), 4=-157(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-165/15, 2-5=-324/233, 3-4=-149/175
BOT CHORD 4-5=-45/70

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 5 and 157 lb uplift at joint 4.

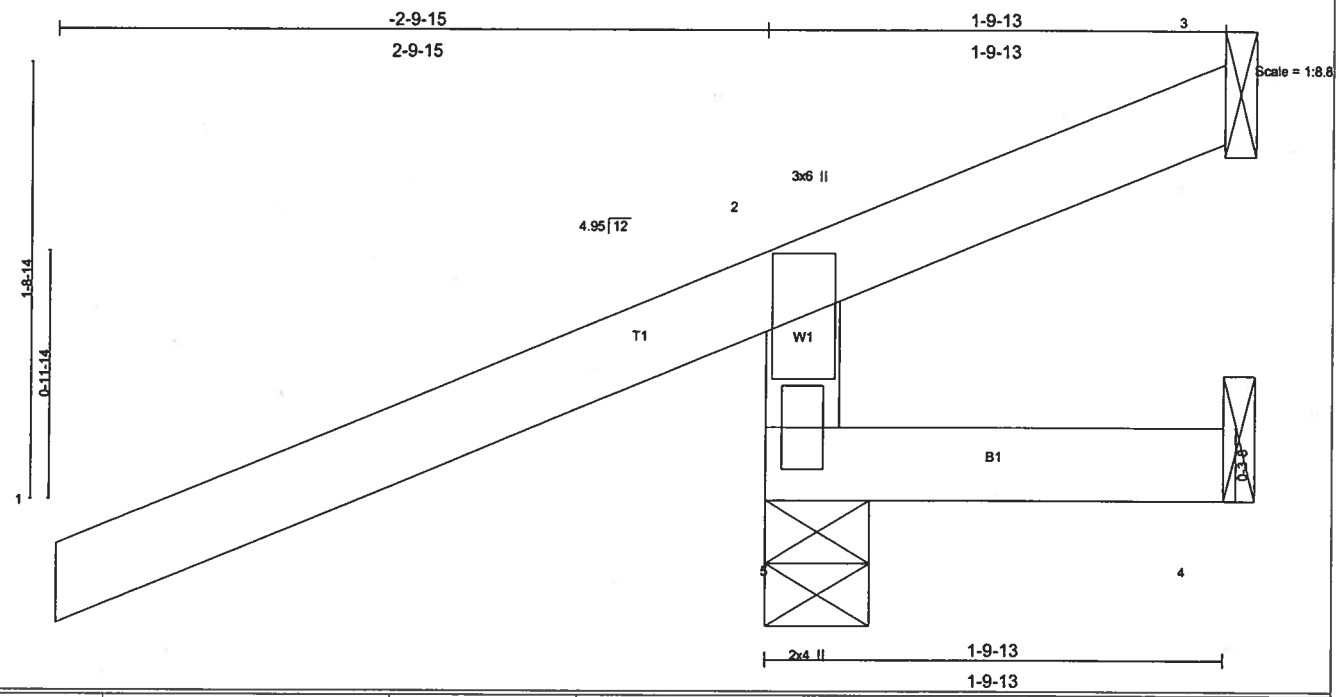
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061149

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	HJ1	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:55:12 2006 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	0.51	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	0.00	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 11 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 1-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=323/0-4-15, 4=-31/Mechanical, 3=-79/Mechanical
Max Horz 5=88(load case 4)
Max Uplift5=-306(load case 4), 4=-31(load case 1), 3=-79(load case 1)
Max Grav 5=323(load case 1), 4=35(load case 4), 3=92(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-274/275, 1-2=0/61, 2-3=-43/35
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 306 lb uplift at joint 5, 31 lb uplift at joint 4 and 79 lb uplift at joint 3.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

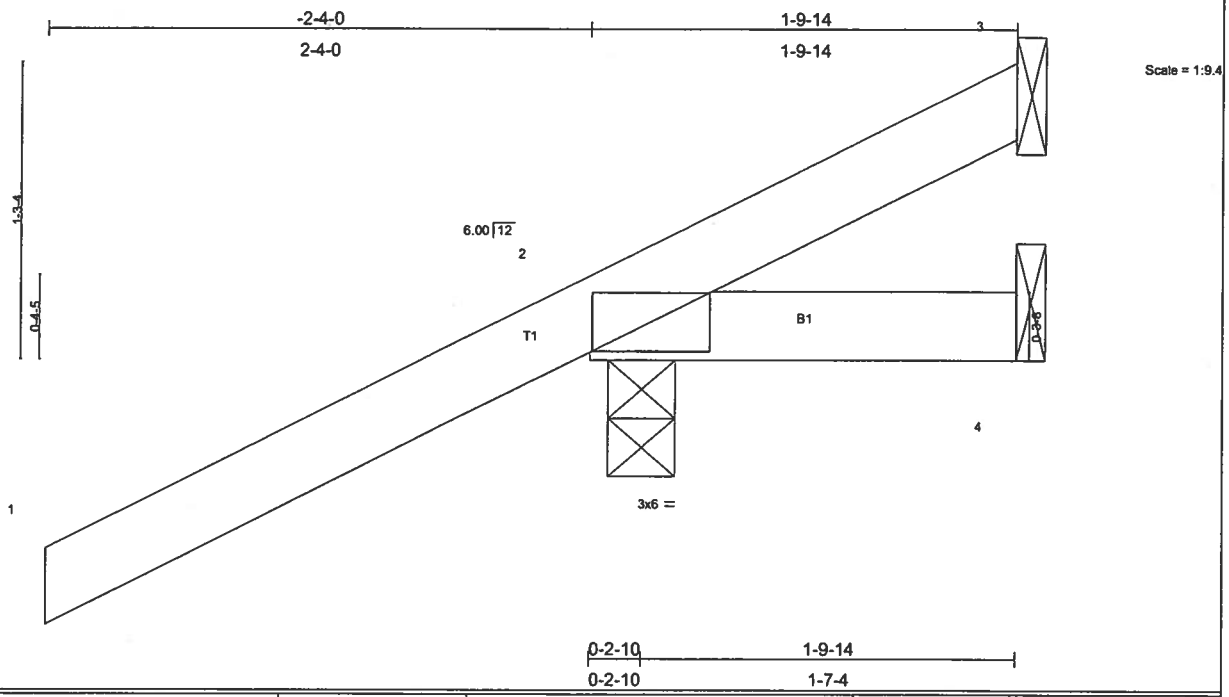
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=25, B=25)-to-3=-38(F=8, B=8), 5=0(F=15, B=15)-to-4=-21(F=4, B=4)

MARCH 10,2006 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

Dwg.#0310061150

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	HJ2	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:55:56 2006 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	0.33	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 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 1-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=13/Mechanical, 2=230/0-3-7, 3=-62/Mechanical
Max Horz 2=83(load case 4)
Max Uplift2=-240(load case 4), 3=-62(load case 1)
Max Grav 4=13(load case 1), 2=230(load case 1), 3=94(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-45/44
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 240 lb uplift at joint 2 and 62 lb uplift at joint 3.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

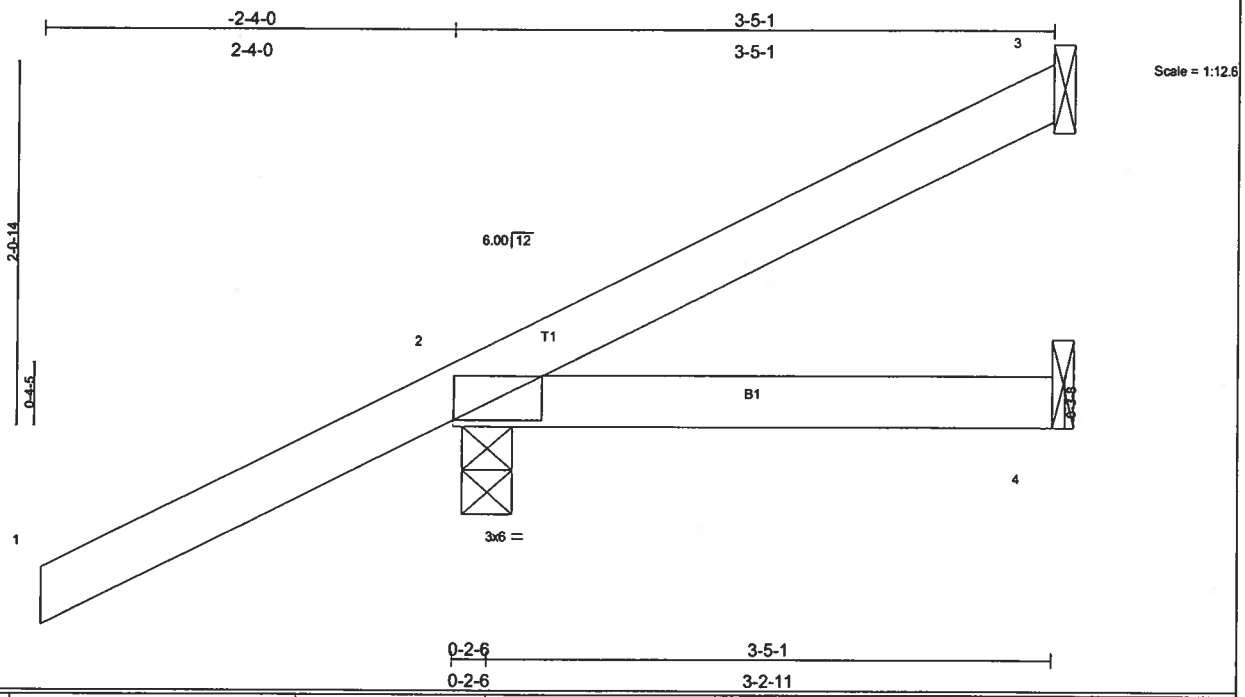
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-1(F=27, B=27)-to-3=-38(F=8, B=8), 2=0(F=15, B=15)-to-4=-21(F=4, B=4)

MARCH 10,2006 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

Dwg.#0310061151

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	HJ3	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:56:43 2006 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	0.36	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=-1/Mechanical, 4=28/Mechanical, 2=226/0-3-7
Max Horz 2=100(load case 4)
Max Uplift3=-1(load case 1), 2=-201(load case 4)
Max Grav 3=55(load case 2), 4=28(load case 1), 2=226(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-37/25
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 1 lb uplift at joint 3 and 201 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).

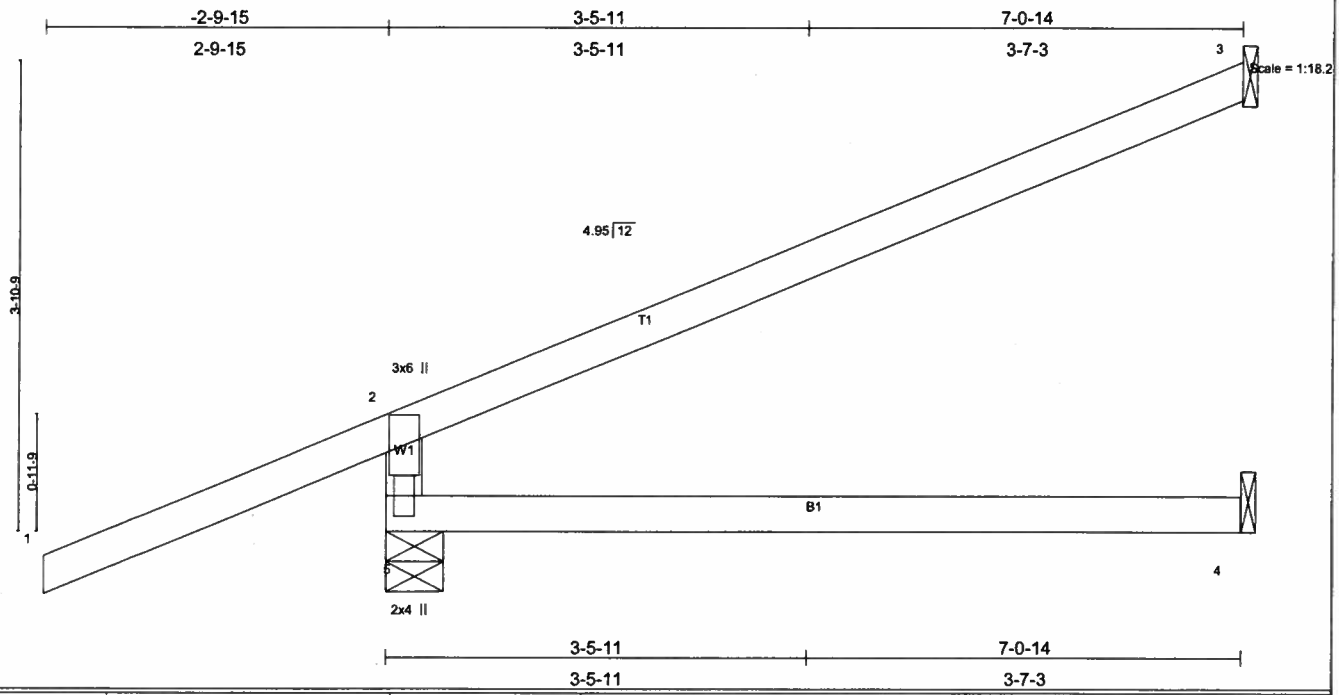
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-3=-46(F=4, B=4), 2=0(F=15, B=15)-to-4=-26(F=2, B=2)

MARCH 10,2006 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

Dwg.#0310061152

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	HJ5	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 10:57:33 2006 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	0.51	Vert(LL)	-0.09	4-5	>962	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.15	4-5	>554	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.03	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 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 7-0-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=370/0-5-11, 3=193/Mechanical, 4=115/Mechanical
Max Horz 5=212(load case 4)
Max Uplift5=-213(load case 4), 3=-163(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-302/233, 1-2=0/61, 2-3=-82/50
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 213 lb uplift at joint 5 and 163 lb uplift at joint 3.
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=-2(F=26, B=26)-to-3=-95(F=-21, B=-21), 5=0(F=15, B=15)-to-4=-53(F=-12, B=-12)

MARCH 10,2006 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

Dwg.#0310061153

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	HJ6	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:03:22 2006 Page 1

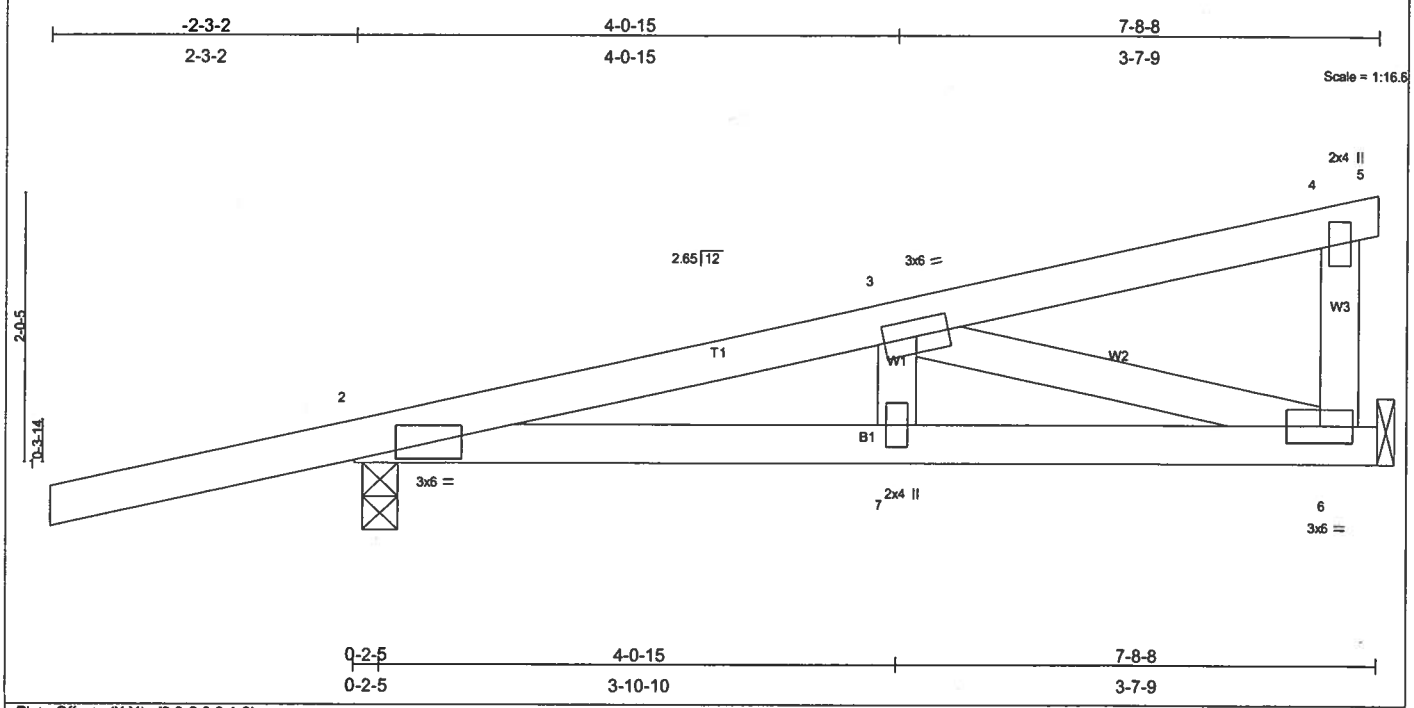


Plate Offsets (X,Y): [2:0-2-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.02	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.03	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.11	Horz(TL)	0.01	6	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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=383/Mechanical, 2=346/0-3-4
Max Horz 2=107(load case 2)
Max Uplift6=-246(load case 2), 2=-307(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-534/268, 3-4=-108/22, 4-5=-4/0, 4-6=-161/130
BOT CHORD 2-7=-325/507, 6-7=-325/507
WEBS 3-7=-60/63, 3-6=-439/283

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; 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 246 lb uplift at joint 6 and 307 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-4=-100(F=-23, B=-23), 4=-60(F=-23, B=-23)-to-5=-64(F=-25, B=-25), 2=0(F=15, B=15)-to-6=-58(F=-14, B=-14)

MARCH 10,2006 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

Dwg.#0310061154

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	HJ6A	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:26:54 2006 Page 1

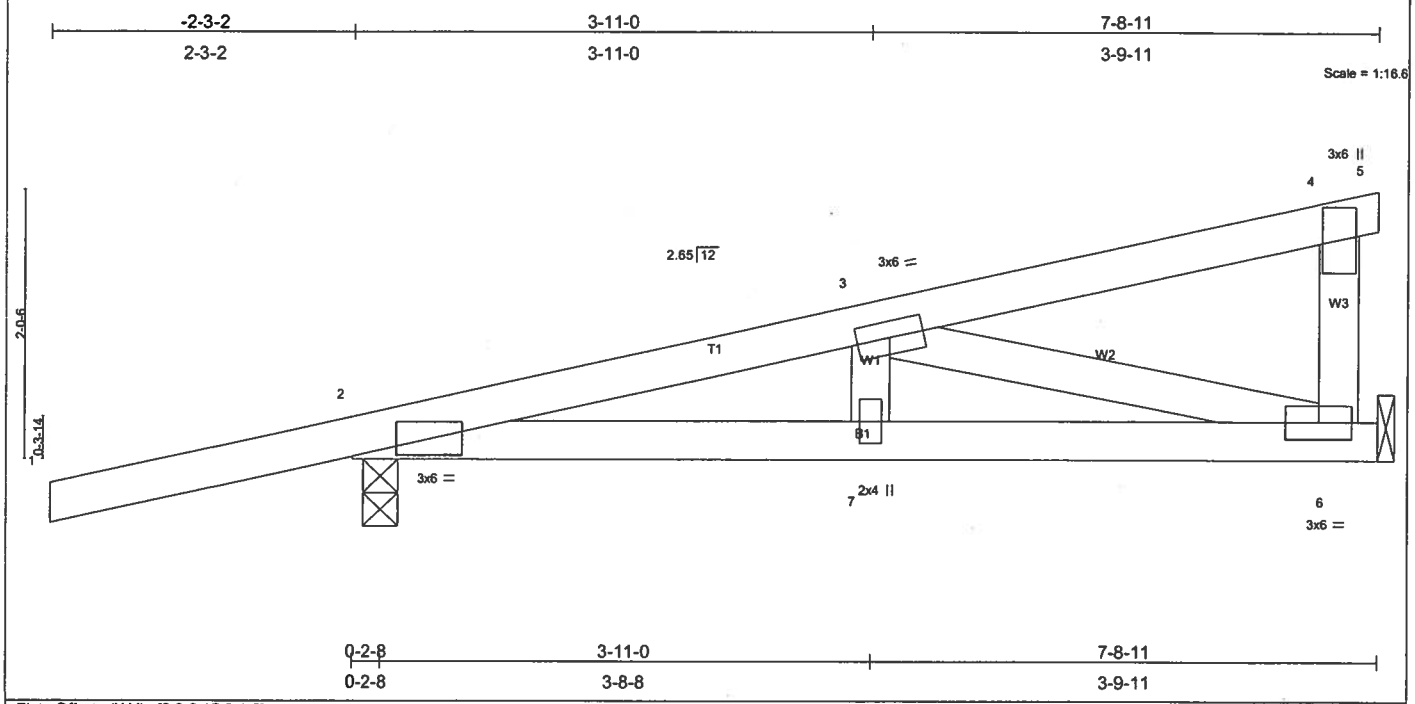


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.02	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.03	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.11	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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

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) 6=385/Mechanical, 2=347/0-3-4
Max Horz 2=107(load case 2)
Max Uplift6=-247(load case 2), 2=-308(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-545/275, 3-4=-117/27, 4-5=-4/0, 4-6=-167/135
BOT CHORD 2-7=-332/519, 6-7=-332/519
WEBS 3-7=-59/59, 3-6=-439/283

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; 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 247 lb uplift at joint 6 and 308 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-4=-100(F=-23, B=-23), 4=-60(F=-23, B=-23)-to-5=-64(F=-25, B=-25), 2=0(F=15, B=15)-to-6=-58(F=-14, B=-14)

MARCH 10,2006 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

Dwg.#0310061155

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	HJ7	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:33:39 2006 Page 1

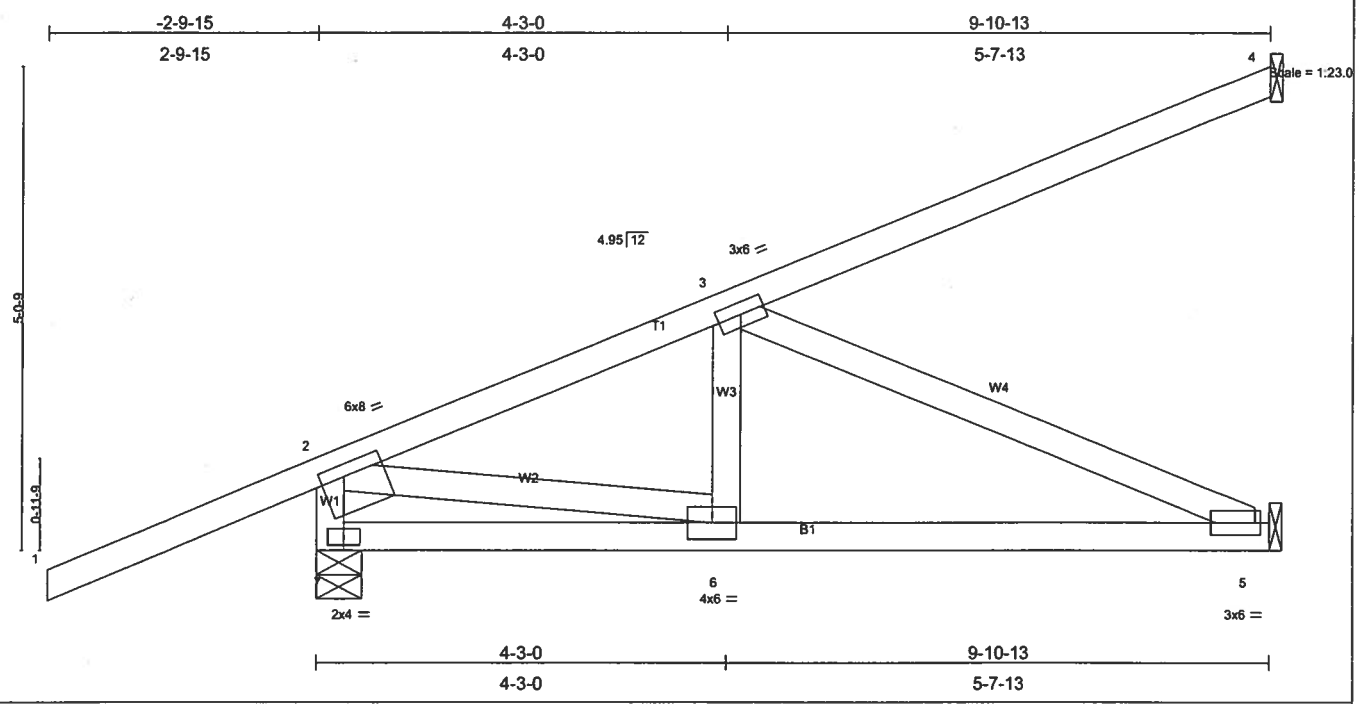


Plate Offsets (X,Y): [2:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.90	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.11	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.40	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 54 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 6-0-0 oc bracing.

REACTIONS (lb/size) 7=525/0-5-12, 4=263/Mechanical, 5=386/Mechanical
Max Horz 7=335(load case 4)
Max Uplift7=-230(load case 4), 4=-244(load case 4), 5=-100(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-533/228, 1-2=0/61, 2-3=-594/52, 3-4=-125/73
BOT CHORD 6-7=-309/99, 5-6=-290/552
WEBS 2-6=-378/874, 3-6=0/111, 3-5=-602/317

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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.
2) Refer to girder(s) for truss to truss connections.
3) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 7, 244 lb uplift at joint 4 and 100 lb uplift at joint 5.
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
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-4=-134(F=-40, B=-40), 7=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

MARCH 10,2006 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

Dwg.#0310061156

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	PB1	PIGGYBACK	9	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:34:16 2006 Page 1

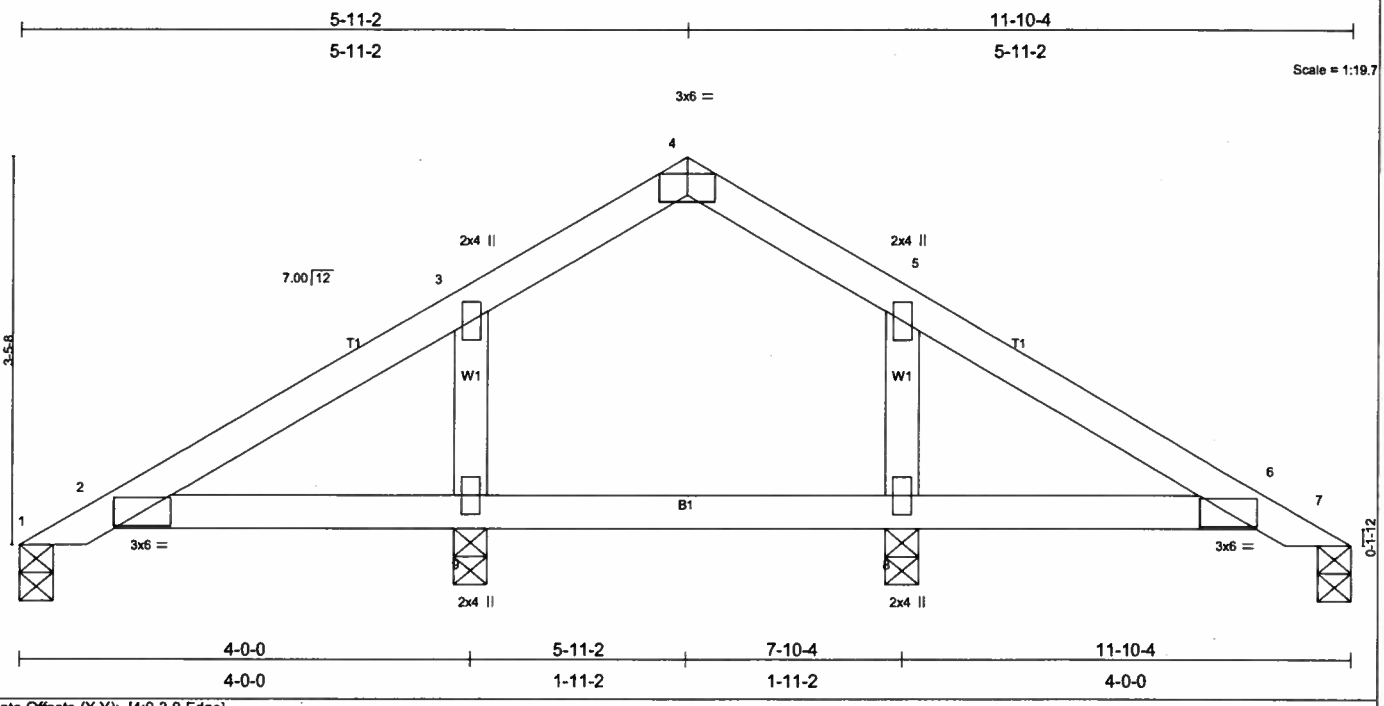


Plate Offsets (X,Y): [4:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	0.01	2-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	2-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

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

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

REACTIONS (lb/size) 1=108/0-3-8, 7=108/0-3-8, 9=365/0-3-8, 8=365/0-3-8
Max Horz 1=-117(load case 3)
Max Uplift1=-23(load case 6), 7=-25(load case 6), 9=-167(load case 5), 8=-156(load case 6)
Max Grav 1=108(load case 9), 7=108(load case 10), 9=365(load case 1), 8=365(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-111/110, 2-3=-82/80, 3-4=-37/40, 4-5=-37/39, 5-6=-70/80, 6-7=-50/17
BOT CHORD 2-9=-18/112, 8-9=-18/112, 6-8=-18/112
WEBS 3-9=-231/174, 5-8=-231/173

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 25 lb uplift at joint 7, 167 lb uplift at joint 9 and 156 lb uplift at joint 8.

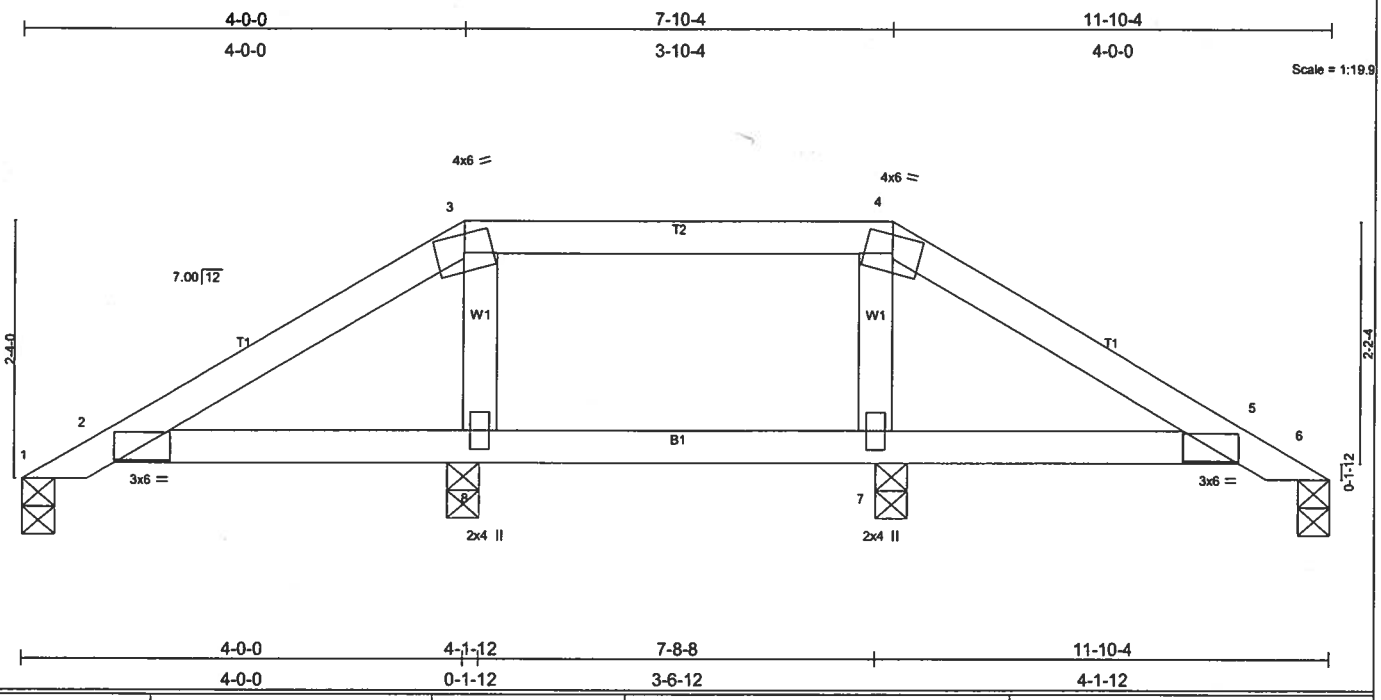
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061157

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	PB2	HIP PIGGYBACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:34:46 2006 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	0.17	Vert(LL)	0.01	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 lb	

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

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

REACTIONS (lb/size) 1=51/0-3-8, 6=51/0-3-8, 8=422/0-3-8, 7=422/0-3-8
Max Horz 1=-78(load case 3)
Max Uplift1=-16(load case 5), 6=-39(load case 3), 8=-150(load case 4), 7=-133(load case 6)
Max Grav 1=73(load case 9), 6=73(load case 10), 8=422(load case 1), 7=422(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-65/77, 2-3=-82/229, 3-4=-30/173, 4-5=-68/229, 5-6=-33/24
BOT CHORD 2-8=-150/108, 7-8=-173/123, 5-7=-150/108
WEBS 3-8=-301/199, 4-7=-301/199

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1, 39 lb uplift at joint 6, 150 lb uplift at joint 8 and 133 lb uplift at joint 7.

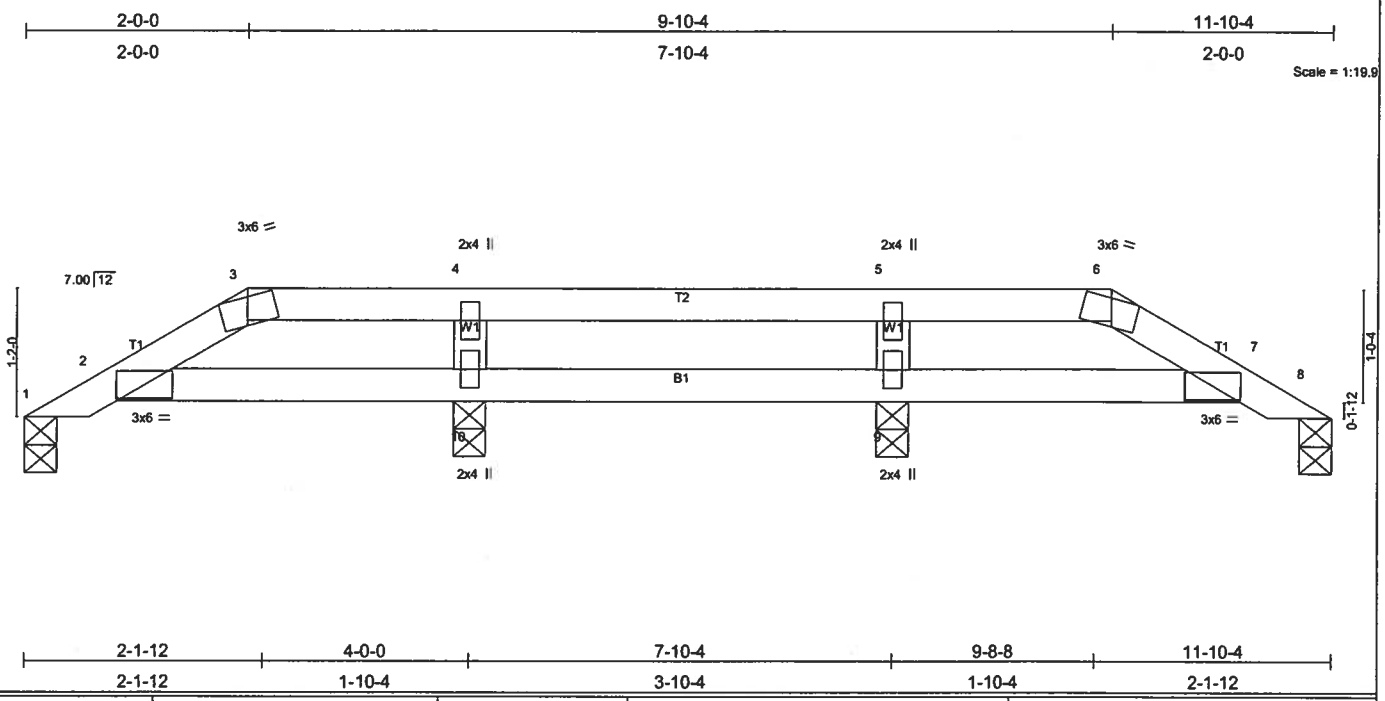
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061158

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	PB3	HIP PIGGYBACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:35:26 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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

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=137/0-3-8, 8=137/0-3-8, 10=336/0-3-8, 9=336/0-3-8
Max Horz 1=-38(load case 3)
Max Uplift1=-51(load case 5), 8=-53(load case 6), 10=-165(load case 4), 9=-160(load case 3)
Max Grav 1=137(load case 1), 8=137(load case 1), 10=346(load case 9), 9=346(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-64/37, 2-3=-112/71, 3-4=-92/74, 4-5=-92/74, 5-6=-92/74, 6-7=-112/71, 7-8=-64/36
BOT CHORD 2-10=-32/92, 9-10=-32/92, 7-9=-32/92
WEBS 4-10=-211/183, 5-9=-211/183

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 1, 53 lb uplift at joint 8, 165 lb uplift at joint 10 and 160 lb uplift at joint 9.

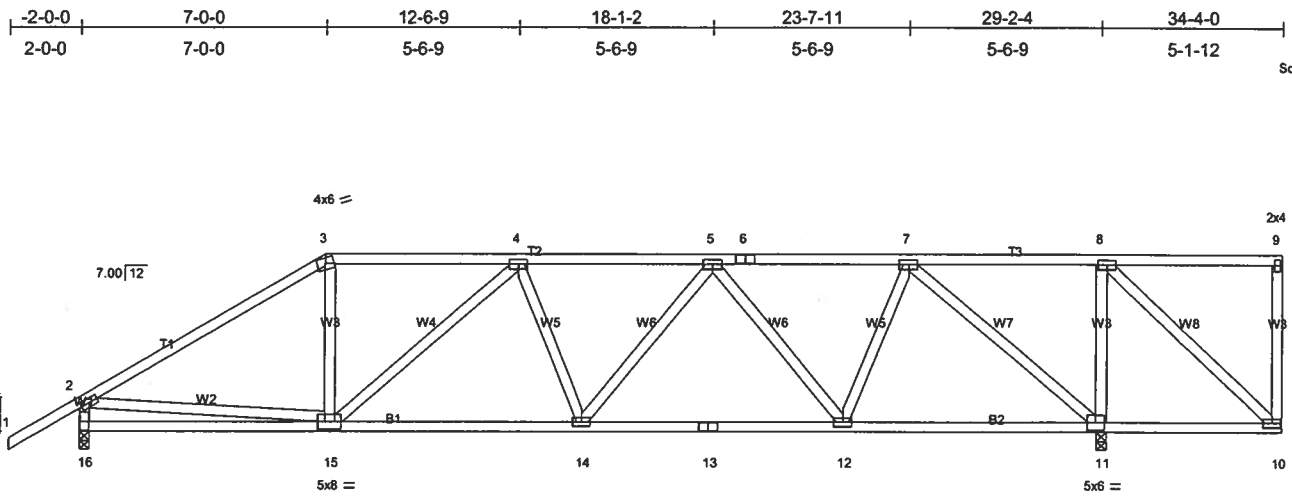
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061159

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T01	MONO HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:36:26 2006 Page 1



7-0-0	14-4-12	21-9-8	29-2-4	34-4-0	
7-0-0	7-4-12	7-4-12	7-4-12	5-1-12	

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.37	Vert(LL) -0.14 14-15 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.55	Vert(TL) -0.24 14-15 >999 180	
BCLL 10.0	Rep Stress Incr NO	WB 0.72	Horz(TL) 0.06 11 n/a n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 401 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.1D *Except*
B2 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 6-0-0 oc bracing.

REACTIONS (lb/size) 16=2504/0-3-8, 11=3693/0-3-8
Max Horz 16=267(load case 4)
Max Uplift16=-1278(load case 4), 11=-2151(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-3665/1900, 3-4=-3120/1704, 4-5=-3975/2178, 5-6=-2808/1543, 6-7=-2808/1543, 7-8=-223/353, 8-9=-34/24, 9-10=-250/258, 2-16=-2398/1285
BOT CHORD 15-16=-374/419, 14-15=-2246/3948, 13-14=-2116/3643, 12-13=-2116/3643, 11-12=-1296/2204, 10-11=-353/223
WEBS 3-15=-666/1306, 4-15=-1106/839, 4-14=0/230, 5-14=-151/543, 5-12=-1364/936, 7-12=-684/1674, 7-11=-3376/2006, 8-11=-1043/928, 8-10=-342/536, 2-15=-1663/2677

NOTES
1) 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1278 lb uplift at joint 16 and 2151 lb uplift at joint 11.
7) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 374 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 3-9=-118(F=-64), 15-16=-30, 10-15=-65(F=-35)
Concentrated Loads (lb)
Vert: 15=-539(F)

MARCH 10,2006 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

Dwg.#0310061160

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T02	MONO HIP	1	1	Job Reference (optional)

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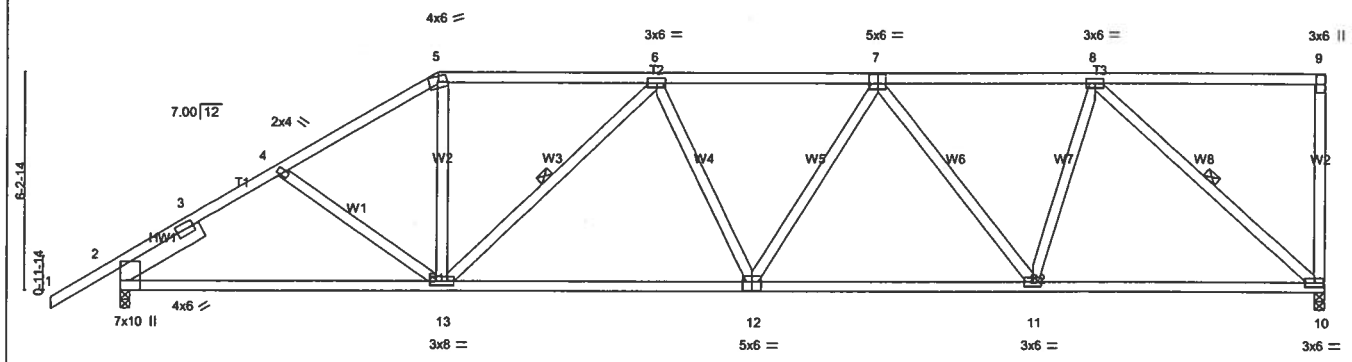
-2-0-0	4-7-12	9-0-0	15-3-2	21-6-4	27-9-6	34-4-0
2-0-0	4-7-12	4-4-4	6-3-2	6-3-2	6-3-2	6-6-10

Scale = 1:62.8



9-0-0	18-0-0	26-0-4	34-4-0
9-0-0	9-0-0	8-0-4	8-3-12

Plate Offsets (X,Y): [7:0-3-0,0-3-0], [12:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.21	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.35	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.10	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 203 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
SLIDER Left 2 X 6 SYP No.1D 2-9-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-8 oc bracing.
WEBS 1 Row at midpt 6-13, 8-10

REACTIONS (lb/size) 10=1433/0-3-8, 2=1547/0-3-8
Max Horz 2=306(load case 5)
Max Uplift10=-610(load case 3), 2=-504(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-2070/750, 3-4=-1992/753, 4-5=-1932/740, 5-6=-1665/704, 6-7=-2062/827, 7-8=-1518/603, 8-9=-42/13, 9-10=-163/131
BOT CHORD 2-13=-768/1619, 12-13=-866/2045, 11-12=-805/1934, 10-11=-548/1283
WEBS 4-13=-175/141, 5-13=-146/613, 6-13=-530/418, 6-12=0/95, 7-12=-45/251, 7-11=-689/345, 8-11=-229/830, 8-10=-1693/730

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 610 lb uplift at joint 10 and 504 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061161

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T03	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:37:40 2006 Page 1

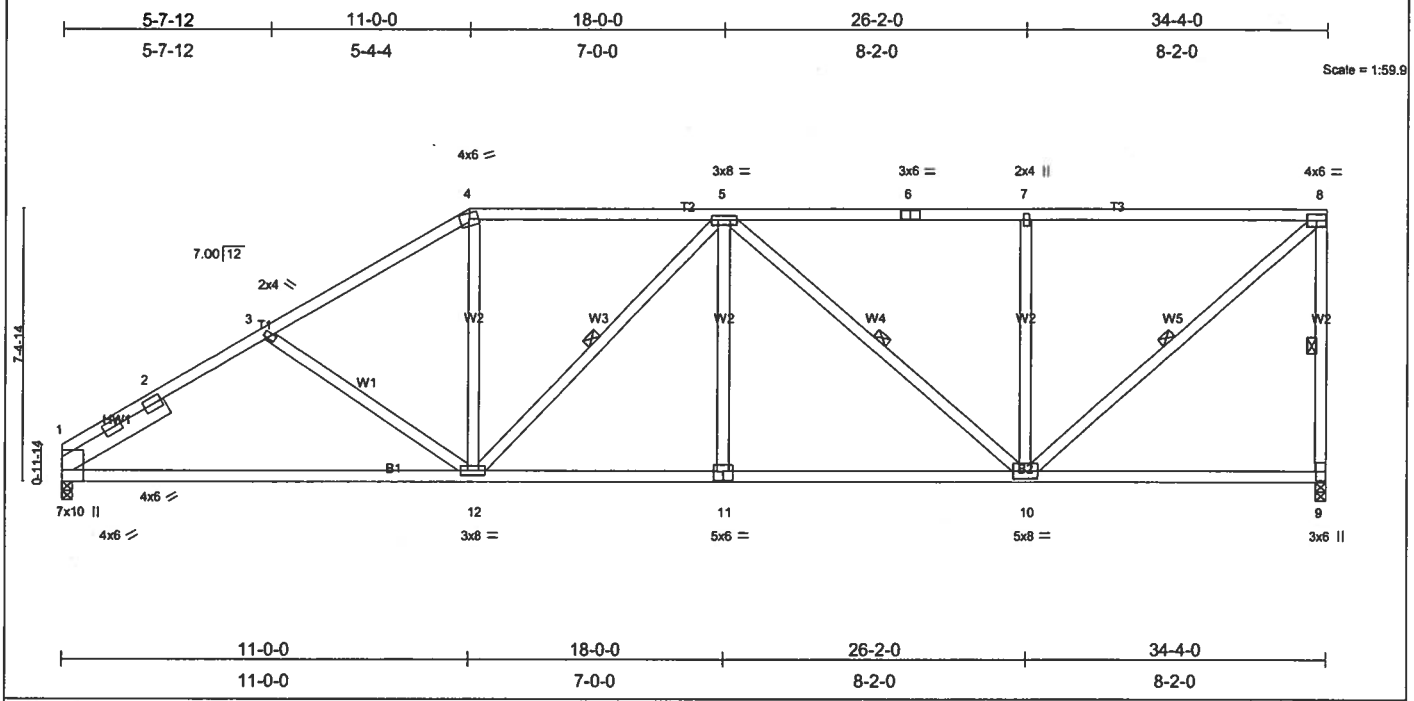


Plate Offsets (X,Y): [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.27	1-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.47	1-12	>881	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.07	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 208 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
SLIDER Left 2 X 6 SYP No.1D 3-4-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-9 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 5-10, 8-10

REACTIONS (lb/size) 1=1436/0-3-8, 9=1436/0-3-8
Max Horz 1=328(load case 5)
Max Uplift1=-398(load case 5), 9=-576(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2082/759, 2-3=-1997/772, 3-4=-1852/717, 4-5=-1574/688, 5-6=-1310/540, 6-7=-1310/540, 7-8=-1310/540, 8-9=-1322/602
BOT CHORD 1-12=-838/1664, 11-12=-753/1771, 10-11=-753/1771, 9-10=-20/42
WEBS 3-12=-163/236, 4-12=-115/547, 5-12=-285/327, 5-11=0/202, 5-10=-611/282, 7-10=-466/397, 8-10=-700/1695

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 1 and 576 lb uplift at joint 9.

LOAD CASE(S) Standard

MARCH 10,2006 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

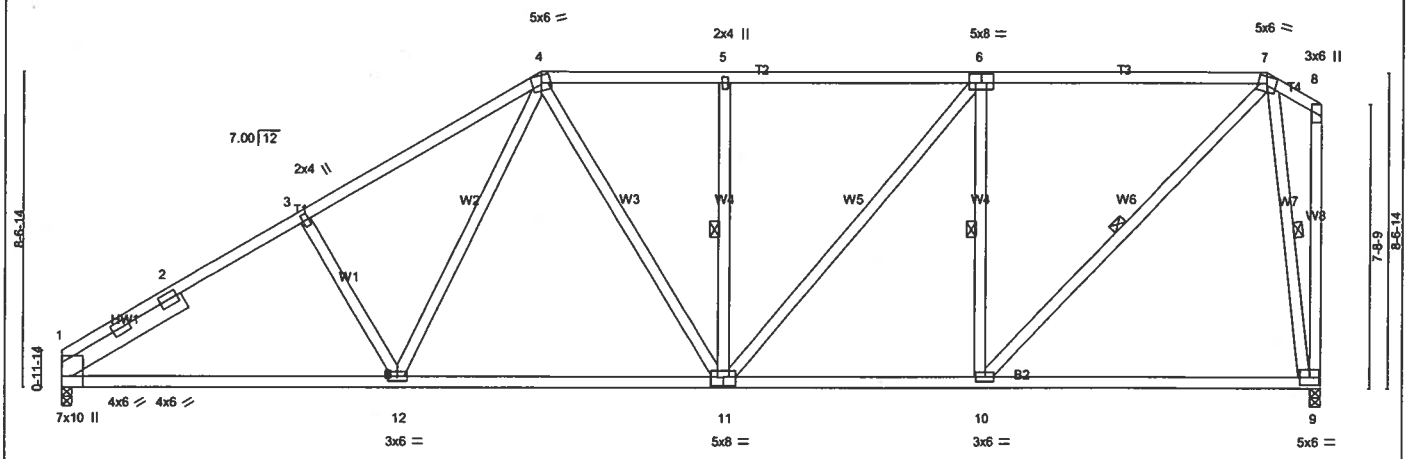
Dwg.#0310061162

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T04	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:38:42 2006 Page 1

6-7-12	13-0-0	18-0-0	25-0-0	32-10-5	34-4-0
6-7-12	6-4-4	5-0-0	7-0-0	7-10-5	1-5-11

Scale = 1:59.9



9-1-12	18-0-0	25-0-0	34-4-0
9-1-12	8-10-4	7-0-0	9-4-0

Plate Offsets (X,Y): [6:0-4-0,0-3-0], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.21	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.34	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 228 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
SLIDER Left 2 X 6 SYP No.1D 3-11-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-8 oc bracing.
WEBS 1 Row at midpt 5-11, 6-10, 7-10, 7-9

REACTIONS (lb/size) 1=1436/0-3-8, 9=1436/0-3-8
Max Horz 1=356(load case 5)
Max Uplift1=-410(load case 5), 9=-579(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2132/723, 2-3=-2029/747, 3-4=-1939/777, 4-5=-1512/670, 5-6=-1511/670, 6-7=-1221/540, 7-8=-83/44, 8-9=-157/82
BOT CHORD 1-12=-830/1695, 11-12=-632/1408, 10-11=-543/1221, 9-10=-118/246
WEBS 3-12=-179/286, 4-12=-214/470, 4-11=-272/342, 5-11=-315/289, 6-11=-207/451, 6-10=-776/500, 7-10=-617/1419, 7-9=-1375/771

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 410 lb uplift at joint 1 and 579 lb uplift at joint 9.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061163

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T05	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:39:11 2006 Page 1

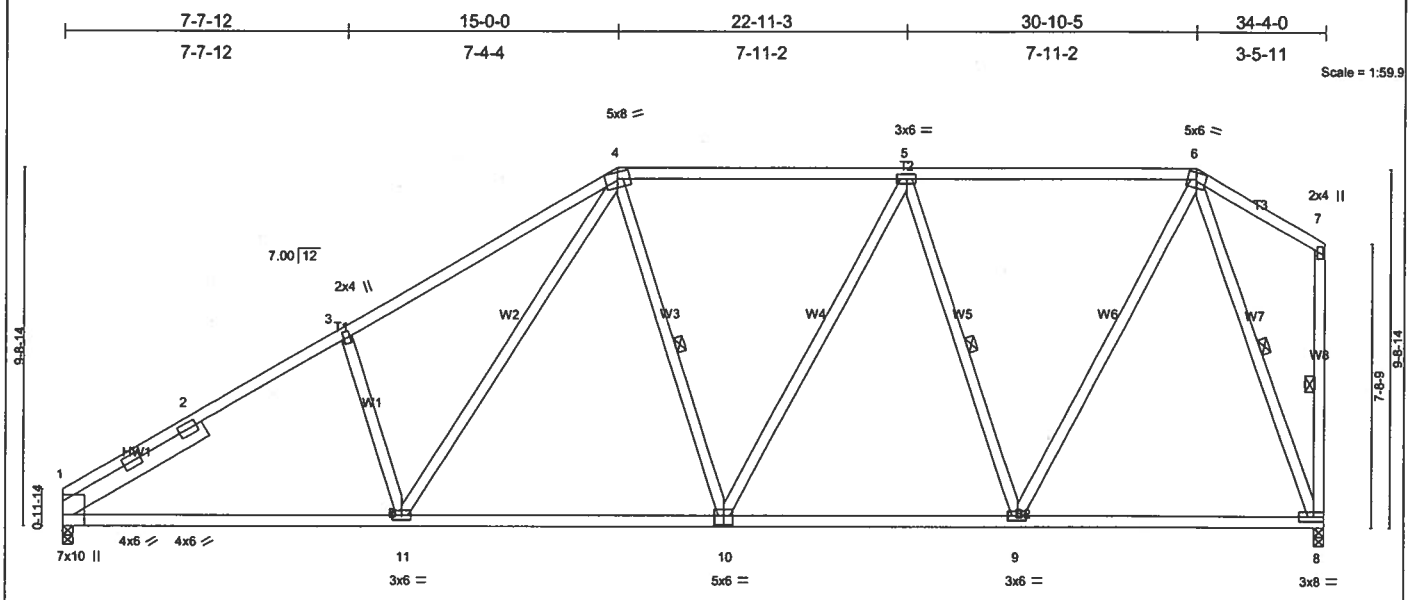


Plate Offsets (X,Y): [10:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.18	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.30	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 226 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
SLIDER Left 2 X 6 SYP No.1D 4-6-6

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-13 oc bracing.
WEBS 1 Row at midpt 4-10, 5-9, 7-8, 6-8

REACTIONS (lb/size) 1=1436/0-3-8, 8=1436/0-3-8
Max Horz 1=372(load case 5)
Max Uplift1=-422(load case 5), 8=-462(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2129/703, 2-3=-2012/728, 3-4=-1963/831, 4-5=-1304/611, 5-6=-948/450, 6-7=-46/50, 7-8=-80/58
BOT CHORD 1-11=-804/1690, 10-11=-564/1303, 9-10=-510/1173, 8-9=-195/466
WEBS 3-11=-251/351, 4-11=-337/598, 4-10=-135/175, 5-10=-131/288, 5-9=-733/431, 6-9=-403/1067, 6-8=-1349/599

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 422 lb uplift at joint 1 and 462 lb uplift at joint 8.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061164

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T06	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:40:21 2006 Page 1

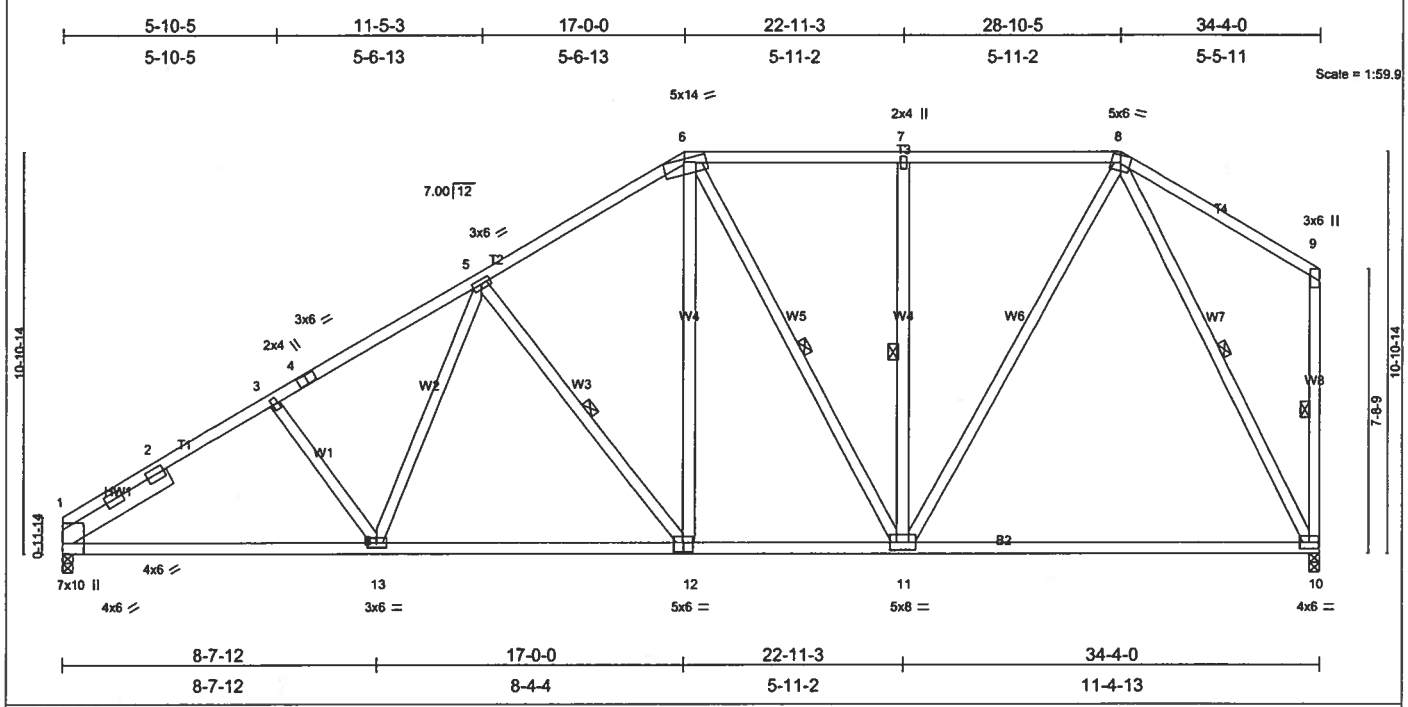


Plate Offsets (X,Y): [12:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.37	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.64	10-11	>644	180		
BCLL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.07	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 241 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
SLIDER Left 2 X 6 SYP No.1D 3-6-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-12 oc bracing.
WEBS 1 Row at midpt 5-12, 6-11, 7-11, 9-10, 8-10

REACTIONS (lb/size) 1=1436/0-3-8, 10=1436/0-3-8
Max Horz 1=389(load case 5)
Max Uplift1=-432(load case 5), 10=-411(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2134/709, 2-3=-2042/731, 3-4=-1936/716, 4-5=-1889/737, 5-6=-1437/632, 6-7=-1061/537, 7-8=-1061/537, 8-9=-125/91, 9-10=-168/130
BOT CHORD 1-13=-822/1693, 12-13=-669/1500, 11-12=-472/1181, 10-11=-242/601
WEBS 3-13=-108/223, 5-13=-135/375, 5-12=-534/363, 6-12=-254/597, 6-11=-260/201, 7-11=-338/299, 8-11=-380/979, 8-10=-1234/535

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 432 lb uplift at joint 1 and 411 lb uplift at joint 10.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061165

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:52:19 2006 Page 1

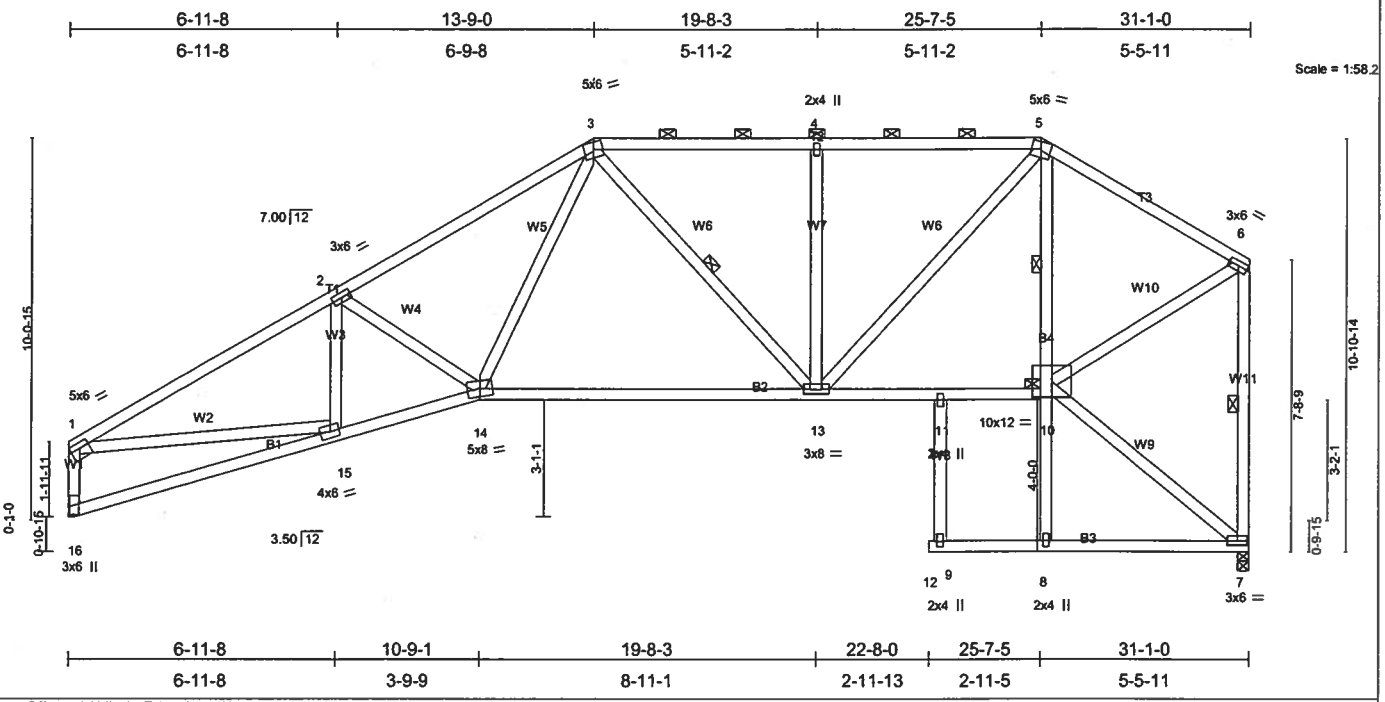


Plate Offsets (X,Y): [1:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.25	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.41	13-14	>901	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.18	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 221 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 3-10-15 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-12 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-6-8 oc bracing: 14-15
8-0-8 oc bracing: 13-14.
1 Row at midpt 5-10
WEBS 1 Row at midpt 3-13, 6-7
JOINTS 1 Brace at Jt(s): 10

REACTIONS (lb/size) 16=1296/Mechanical, 7=1300/0-3-8
Max Horz 16=266(load case 5)
Max Uplift16=-379(load case 5), 7=-355(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2298/899, 2-3=-2257/954, 3-4=-1448/680, 4-5=-1448/680, 5-6=-1120/469, 1-16=-1235/538, 6-7=-1216/514
BOT CHORD 15-16=-377/239, 14-15=-931/2008, 13-14=-618/1504, 11-13=-337/922, 10-11=-337/924, 8-10=0/127, 5-10=-381/229, 9-12=0/0, 8-9=0/0, 7-8=-10/24
WEBS 2-15=-324/188, 2-14=-158/213, 3-14=-366/881, 3-13=-213/180, 4-13=-326/300, 1-15=-591/1699, 6-10=-384/1056, 7-10=-22/20, 5-13=-381/825, 9-11=-1/50

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 379 lb uplift at joint 16 and 355 lb uplift at joint 7.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

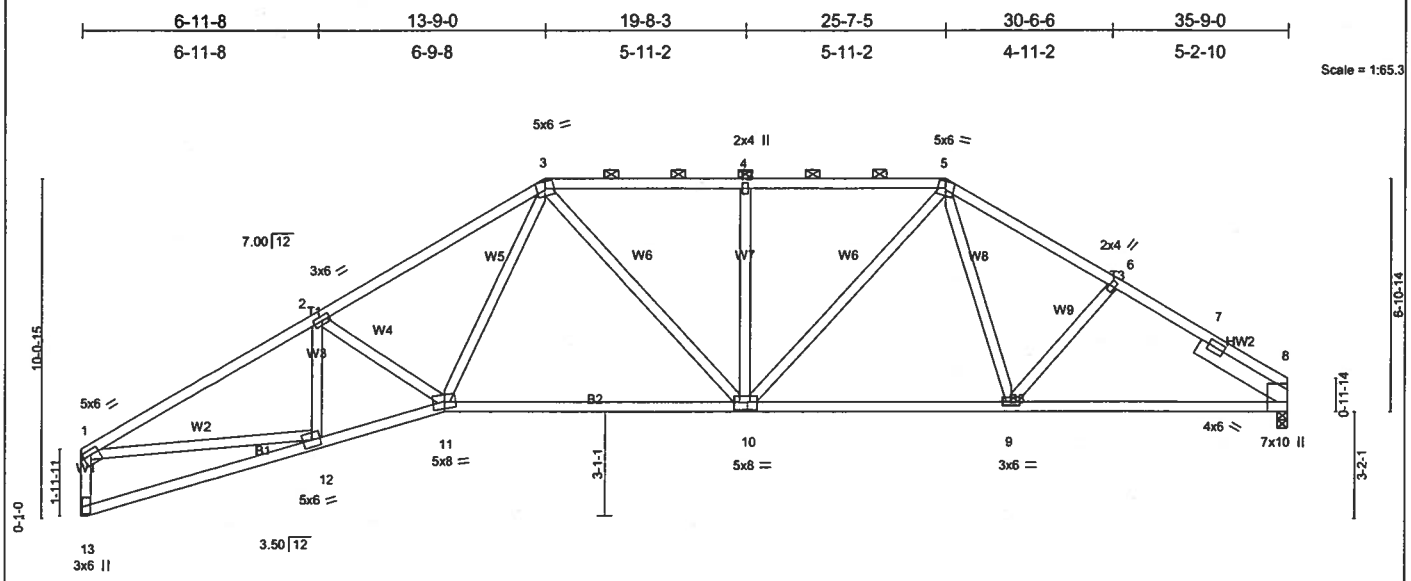
LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061166

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T08	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:53:01 2006 Page 1



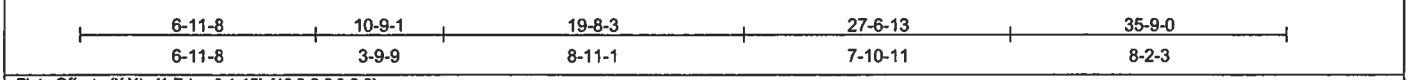


Plate Offsets (X,Y): [1:Edge,0-1-12], [10:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.29	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.49	10-11	>876	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.18	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 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
SLIDER Right 2 X 6 SYP No.1D 3-1-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-2-14 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-7-11 oc bracing.

REACTIONS (lb/size) 8=1495/0-3-8, 13=1495/Mechanical
Max Horz 13=271(load case 4)
Max Uplift8=-423(load case 6), 13=-449(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2719/1013, 2-3=-2760/1092, 3-4=-2043/902, 4-5=-2040/900, 5-6=-2044/846, 6-7=-2135/849, 7-8=-2218/836, 1-13=-1435/593
BOT CHORD 12-13=-345/280, 11-12=-904/2385, 10-11=-709/1917, 9-10=-488/1666, 8-9=-596/1756
WEBS 2-12=-413/212, 2-11=-171/196, 3-11=-340/933, 3-10=-296/354, 4-10=-319/302, 5-10=-348/655, 5-9=-103/271, 6-9=-142/191, 1-12=-686/2055

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 423 lb uplift at joint 8 and 449 lb uplift at joint 13.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061167

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T09	SPECIAL	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:54:51 2006 Page 1

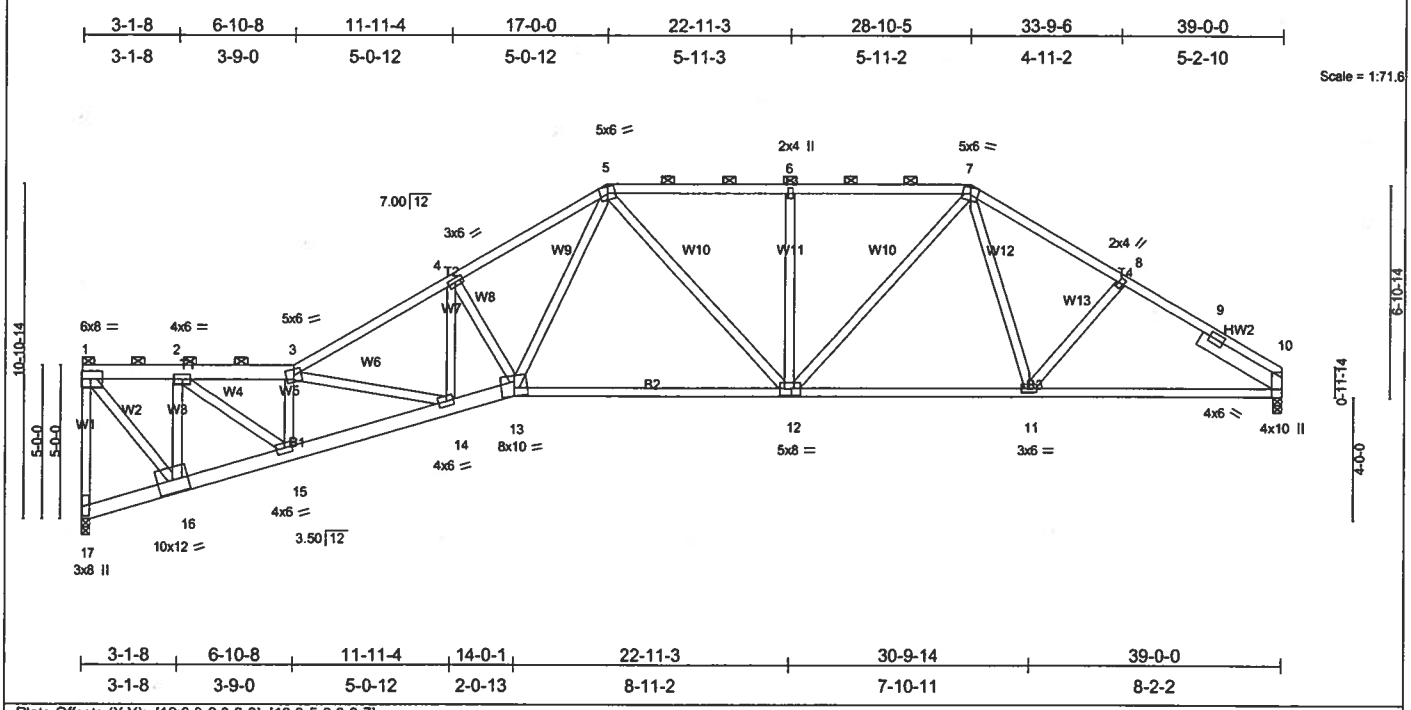


Plate Offsets (X,Y): [12:0-3-8,0-3-0], [13:0-5-0,0-3-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.90	Vert(LL)	-0.27	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.43	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.20	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 510 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B1 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except* W2 2 X 4 SYP No.2
SLIDER Right 2 X 6 SYP No.1D 3-1-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3, 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 1

REACTIONS (lb/size) 17=5443/0-3-8, 10=1928/0-3-8
Max Horz 17=-225(load case 2)
Max Uplift17=-2183(load case 2), 10=-562(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-17=-5304/2178, 1-2=-4011/1632, 2-3=-6843/2540, 3-4=-6041/2118, 4-5=-5392/1914, 5-6=-3090/1074, 6-7=-3087/1071, 7-8=-2783/861, 8-9=-2859/867, 9-10=-2944/854
BOT CHORD 16-17=-232/228, 15-16=-1924/4195, 14-15=-2925/7306, 13-14=-2054/5390, 12-13=-1277/3371, 11-12=-714/2331, 10-11=-615/2345
WEBS 1-16=-2565/6304, 2-16=-2470/913, 2-15=-1173/3516, 3-15=-2816/1020, 3-14=-1897/853, 4-14=-456/1062, 4-13=-1141/608, 5-13=-1068/2953, 5-12=-483/280, 6-12=-311/291, 7-12=-577/1223, 7-11=-78/203, 8-11=-176/208

NOTES
1) 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, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, Except member 2-16 2 X 4 - 2 rows at 0-7-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2183 lb uplift at joint 17 and 562 lb uplift at joint 10.
8) Girder carries tie-in span(s): 10-0-0 from 0-0-0 to 3-0-0
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3625 lb down and 1720 lb up at 3-1-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-216, 2-3=-54, 3-5=-54, 5-7=-54, 7-10=-54, 13-17=-30, 10-13=-30
Concentrated Loads (lb)
Vert: 16=-3625(F)

MARCH 10,2006 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

Dwg.#0310061168

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T10	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:29:24 2006 Page 1

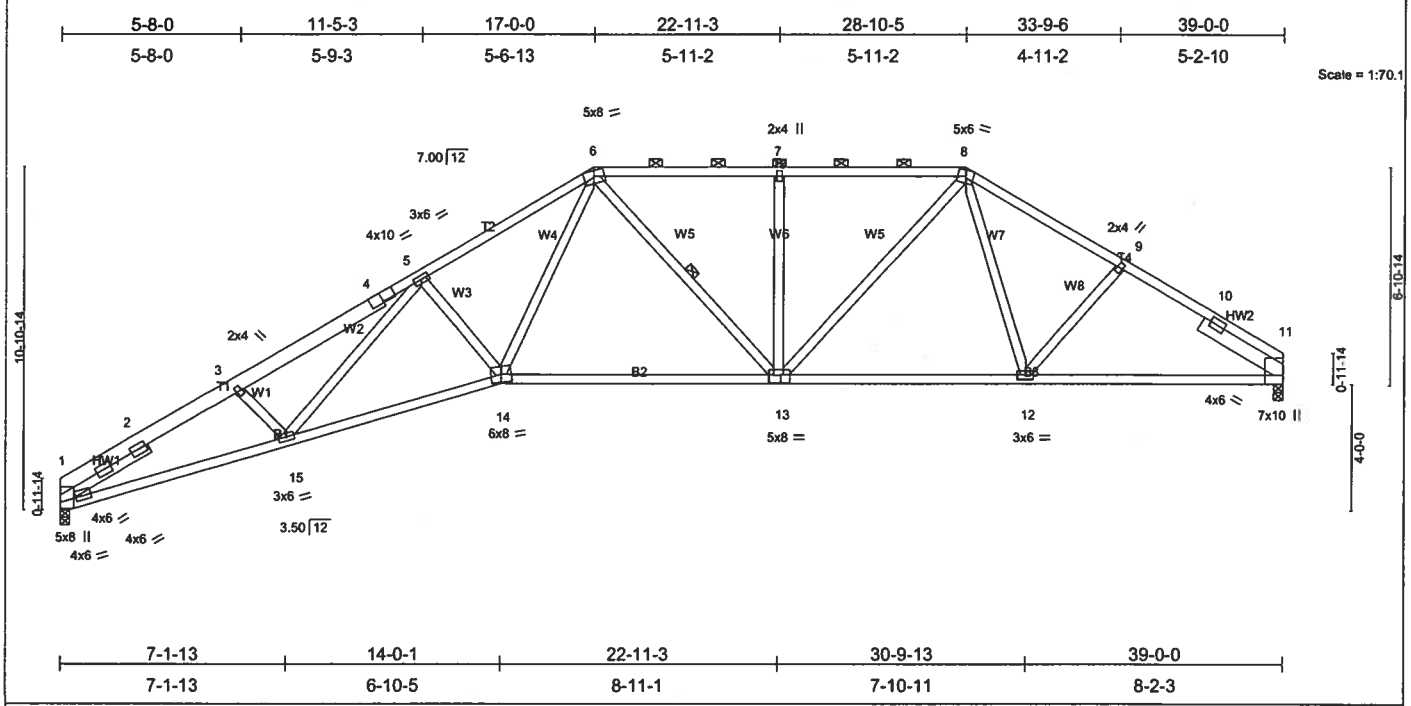


Plate Offsets (X,Y): [1:0-5-3,0-4-4], [4:0-5-0,Edge], [13:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.39	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.64	13-14	>732	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.30	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 227 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B1 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-3-14, Right 2 X 6 SYP No.1D 3-1-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-8 oc purlins, except 2-0-0 oc purlins (3-11-3 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-8-13 oc bracing.
WEBS 1 Row at midpt 6-13

REACTIONS (lb/size) 11=1635/0-3-8, 1=1635/0-3-8
Max Horz 1=354(load case 4)
Max Uplift11=-457(load case 6), 1=-503(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4019/1523, 2-3=-3923/1534, 3-4=-3859/1522, 4-5=-3747/1539, 5-6=-3591/1441, 6-7=-2380/1037, 7-8=-2377/1035, 8-9=-2282/940, 9-10=-2368/941, 10-11=-2452/929
BOT CHORD 1-15=-1384/3357, 14-15=-1251/3402, 13-14=-837/2377, 12-13=-573/1879, 11-12=-671/1945
WEBS 3-15=-72/207, 5-15=-144/179, 5-14=-334/333, 6-14=-598/1594, 6-13=-295/220, 7-13=-319/298, 8-13=-402/834, 8-12=-97/255, 9-12=-150/185

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 11 and 503 lb uplift at joint 1.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 10,2006 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

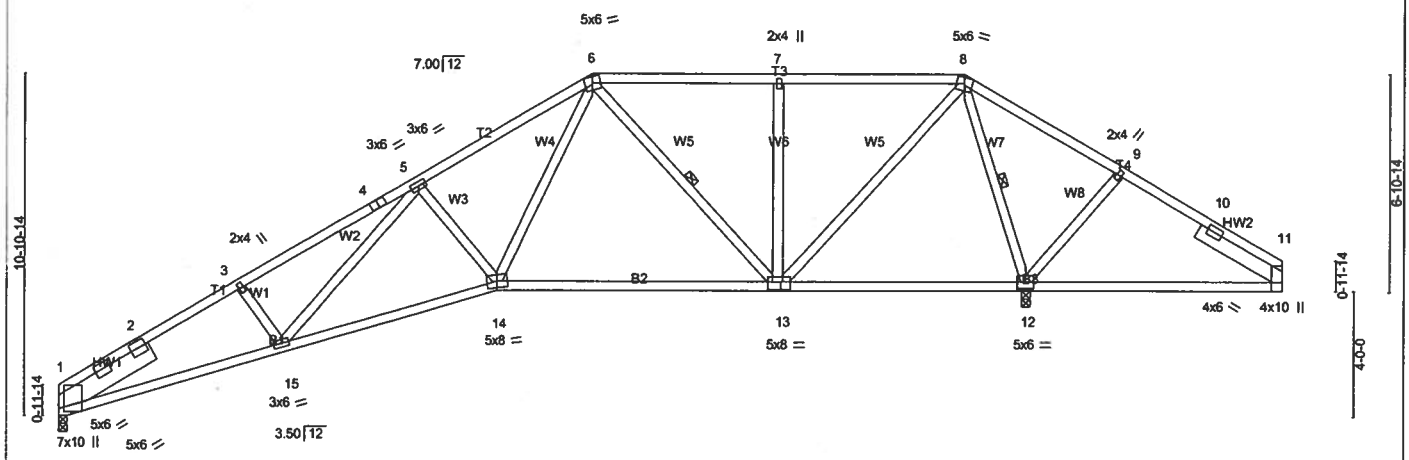
Dwg.#0310061169

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T11	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:30:14 2006 Page 1

5-10-5	11-5-3	17-0-0	22-11-3	28-10-5	33-9-6	39-0-0
5-10-5	5-6-13	5-6-13	5-11-2	5-11-2	4-11-2	5-2-10

Scale = 1:70.2



7-1-13	14-0-1	22-11-3	30-10-4	39-0-0
7-1-13	6-10-5	8-11-1	7-11-1	8-1-12

Plate Offsets (X,Y): [1:0-6-3,Edge], [13:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.90	Vert(LL)	-0.27	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.44	13-14	>831	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.18	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 223 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
SLIDER Left 2 X 8 SYP No.1D 3-6-7, Right 2 X 6 SYP No.1D 3-1-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 8-12

REACTIONS (lb/size) 1=1202/0-3-8, 12=2067/0-3-8
Max Horz 1=354(load case 4)
Max Uplift1=-391(load case 5), 12=-810(load case 6)
Max Grav 1=1242(load case 9), 12=2067(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2877/1042, 2-3=-2782/1057, 3-4=-2688/1057, 4-5=-2565/1070, 5-6=-2303/876, 6-7=-1025/437, 7-8=-1021/434, 8-9=-354/622, 9-10=-311/431, 10-11=-334/358
BOT CHORD 1-15=-1074/2391, 14-15=-928/2287, 13-14=-600/1368, 12-13=-120/321, 11-12=-272/315
WEBS 3-15=-44/161, 5-15=-185/234, 5-14=-408/358, 6-14=-525/1327, 6-13=-569/314, 7-13=-345/302, 8-13=-517/1340, 8-12=-1632/778, 9-12=-332/336

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever 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 adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 391 lb uplift at joint 1 and 810 lb uplift at joint 12.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061170

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T12	SPECIAL	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:38:00 2006 Page 1

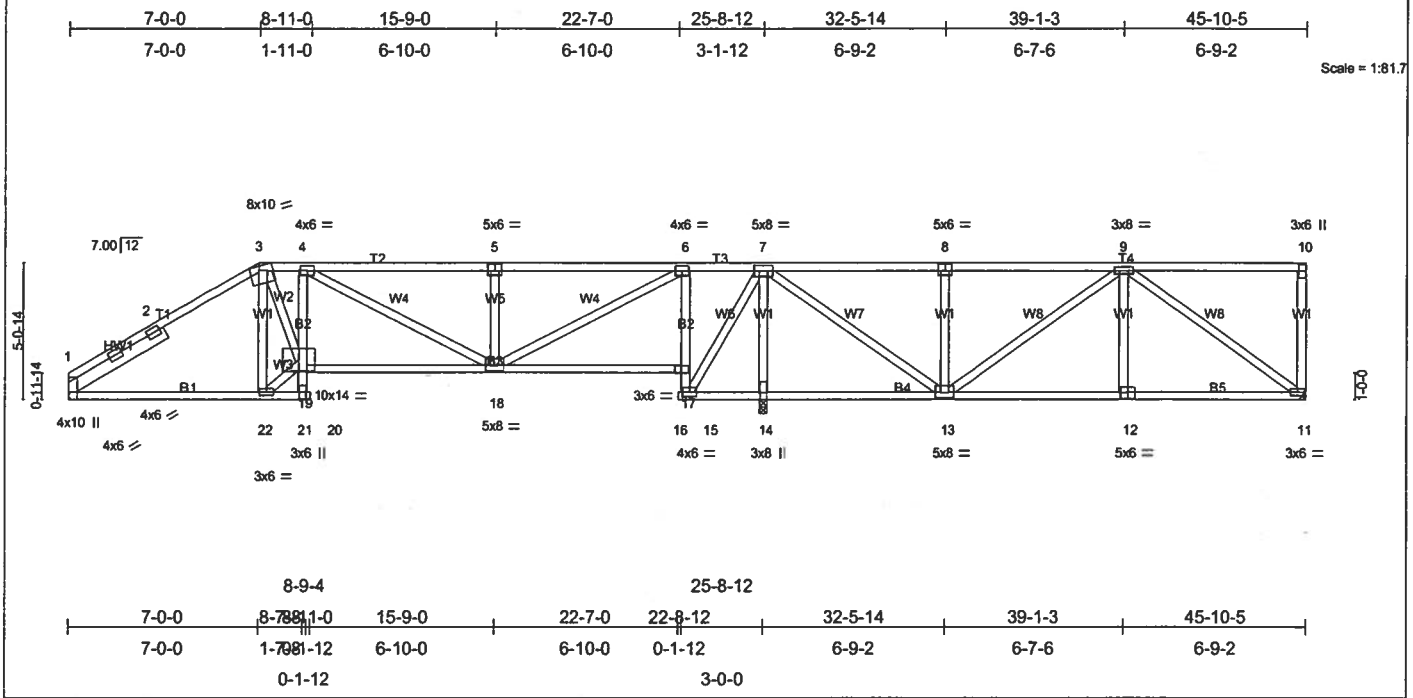


Plate Offsets (X,Y): [3:0-4-1,Edge], [5:0-3-0,0-3-0], [8:0-3-0,0-3-0], [12:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	0.30	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.26	18-19	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.77	Horz(TL)	-0.09	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 547 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B2 2 X 4 SYP No.3, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-2-13

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

REACTIONS (lb/size) 1=1742/Mechanical, 11=1358/Mechanical, 14=5013/0-3-8
Max Horz 1=211(load case 4)
Max Uplift1=-1974(load case 4), 11=-572(load case 2), 14=-4884(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2669/3286, 2-3=-2556/3298, 3-4=-3178/4489, 4-5=-2512/2532, 5-6=-2512/2532, 6-7=-301/520, 7-8=-549/0, 8-9=-549/0, 9-10=-97/58, 10-11=-362/365
BOT CHORD 1-22=-2783/2120, 21-22=-221/0, 20-21=0/0, 19-21=-2108/15, 4-19=-793/0, 18-19=-4565/3304, 17-18=-436/251, 15-17=-2251/3027, 6-17=-1934/1735, 15-16=0/0, 14-15=-1816/2042, 13-14=-1816/2042, 12-13=-384/1181, 11-12=-381/1194
WEBS 3-22=-1093/1937, 19-22=-3308/2789, 3-19=-4361/2596, 4-18=-882/2360, 5-18=-649/461, 6-18=-3149/3337, 7-15=-3396/2529, 7-14=-4505/4833, 7-13=-2100/2897, 8-13=-790/813, 9-13=-779/877, 9-12=0/443, 9-11=-1353/399

NOTES
1) 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1974 lb uplift at joint 1, 572 lb uplift at joint 11 and 4884 lb uplift at joint 14.
7) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) Girder carries tie-in span(s): 3-11-0 from 8-11-0 to 22-7-0; 5-0-2 from 8-11-0 to 22-7-0
9) Girder carries hip end with 36-11-5 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
10) Girder carries hip end with 0-0-0 right side setback, 22-7-0 left side setback, and 7-0-0 end setback.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 374 lb up at 7-0-0, and 1975 lb up at 8-9-4, and 1207 lb up at 22-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-88(F=-34), 6-10=-118(F=-64), 1-22=-30, 21-22=-65(F=-35), 20-21=-35(F), 17-19=-87(F=-57), 15-16=-35(F), 11-15=-65(F=-35)
Concentrated Loads (lb)
Vert: 22=-539(F)

MARCH 10,2006 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

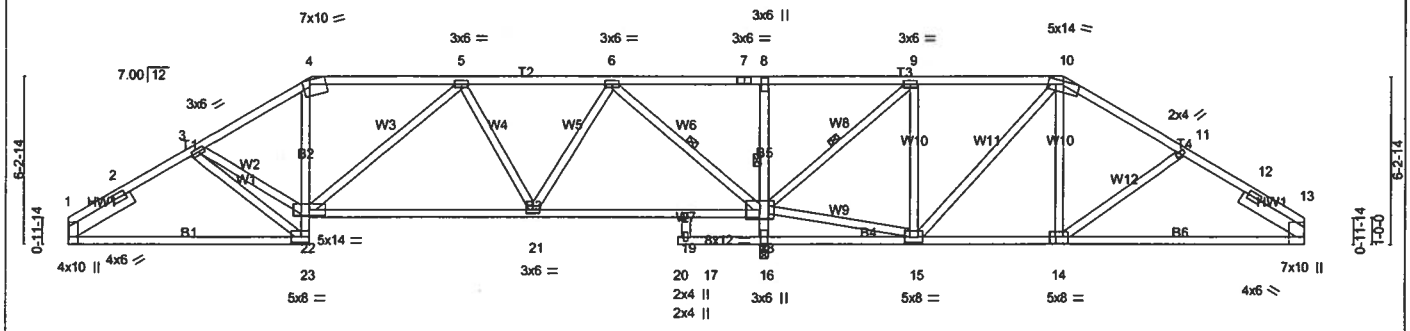
Dwg.#0310061171

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:40:22 2006 Page 1

4-7-12	9-0-0	14-6-15	20-1-13	25-8-12	31-3-8	36-10-5	41-2-9	45-10-5
4-7-12	4-4-4	5-6-15	5-6-15	5-6-15	5-6-12	5-6-12	4-4-4	4-7-12

Scale = 1:81.8



8-11-0	17-3-0	22-7-0	25-7-0	31-3-8	36-10-5	45-10-5
8-11-0	8-4-0	5-4-0	3-0-0	5-8-8	5-6-12	9-0-0

Plate Offsets (X,Y): [1:0-3-8,Edge], [4:0-3-1,Edge], [14:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.15	21-22	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.26	21-22	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.07	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 283 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B5 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 2-9-8, Right 2 X 6 SYP No.1D 2-9-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 8-16
WEBS 1 Row at midpt 6-18, 9-18

REACTIONS (lb/size) 1=896/Mechanical, 13=608/Mechanical, 16=2356/0-3-8
Max Horz 1=207(load case 4)
Max Uplift1=-278(load case 5), 13=-234(load case 6), 16=-950(load case 4)
Max Grav 1=904(load case 9), 13=633(load case 10), 16=2356(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1222/480, 2-3=-1149/491, 3-4=-1188/495, 4-5=-1017/481, 5-6=-648/335, 6-7=-373/882, 7-8=-373/882, 8-9=-371/885, 9-10=-84/187, 10-11=-545/261, 11-12=-679/329, 12-13=-762/314
BOT CHORD 1-23=-446/948, 22-23=-302/773, 4-22=-53/290, 21-22=-450/873, 19-21=-179/253, 18-19=-179/253, 16-18=-2167/982, 8-18=-308/257, 17-20=0/0, 16-17=0/0, 15-16=-139/0, 14-15=-72/438, 13-14=-174/586
WEBS 3-23=-994/502, 3-22=-450/936, 5-22=-79/200, 5-21=-483/304, 6-21=-250/791, 6-18=-1473/707, 15-18=0/221, 9-18=-1214/499, 9-15=-117/504, 10-15=-553/174, 10-14=-72/351, 11-14=-206/206, 17-19=-0/5

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 278 lb uplift at joint 1, 234 lb uplift at joint 13 and 950 lb uplift at joint 16.

LOAD CASE(S) Standard

MARCH 10,2006 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

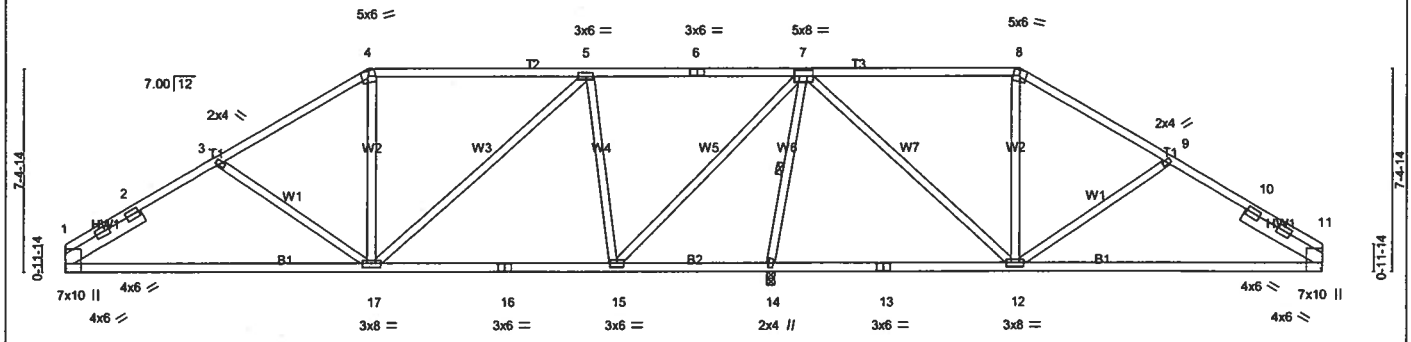
Dwg.#0310061172

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T14	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:41:19 2006 Page 1

5-7-12	11-0-0	18-11-7	26-10-14	34-10-5	40-2-9	45-10-5
5-7-12	5-4-4	7-11-7	7-11-7	7-11-7	5-4-4	5-7-12

Scale = 1:80.4



11-0-0	20-1-9	25-8-12	34-10-5	45-10-5
11-0-0	9-1-9	5-7-3	9-1-9	11-0-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.23	1-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.39	1-17	>790	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.04	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 263 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
SLIDER Left 2 X 6 SYP No.1D 3-4-7, Right 2 X 6 SYP No.1D 3-4-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-14

REACTIONS (lb/size) 1=997/Mechanical, 11=741/Mechanical, 14=2114/0-3-8
Max Horz 1=247(load case 4)
Max Uplift1=-319(load case 5), 11=-275(load case 6), 14=-756(load case 4)
Max Grav 1=1010(load case 9), 11=760(load case 10), 14=2114(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1362/537, 2-3=-1278/555, 3-4=-1118/492, 4-5=-918/492, 5-6=-497/352, 6-7=-497/352, 7-8=-524/343, 8-9=-672/322, 9-10=-845/395, 10-11=-939/377
BOT CHORD 1-17=-504/1074, 16-17=-341/607, 15-16=-341/607, 14-15=-426/287, 13-14=-98/152, 12-13=-98/152, 11-12=-221/730
WEBS 3-17=-197/249, 4-17=0/144, 5-17=-143/438, 5-15=-736/442, 7-15=-546/1279, 7-14=-1931/831, 7-12=-242/800, 8-12=-82/149, 9-12=-254/259

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 319 lb uplift at joint 1, 275 lb uplift at joint 11 and 756 lb uplift at joint 14.

LOAD CASE(S) Standard

MARCH 10,2006 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

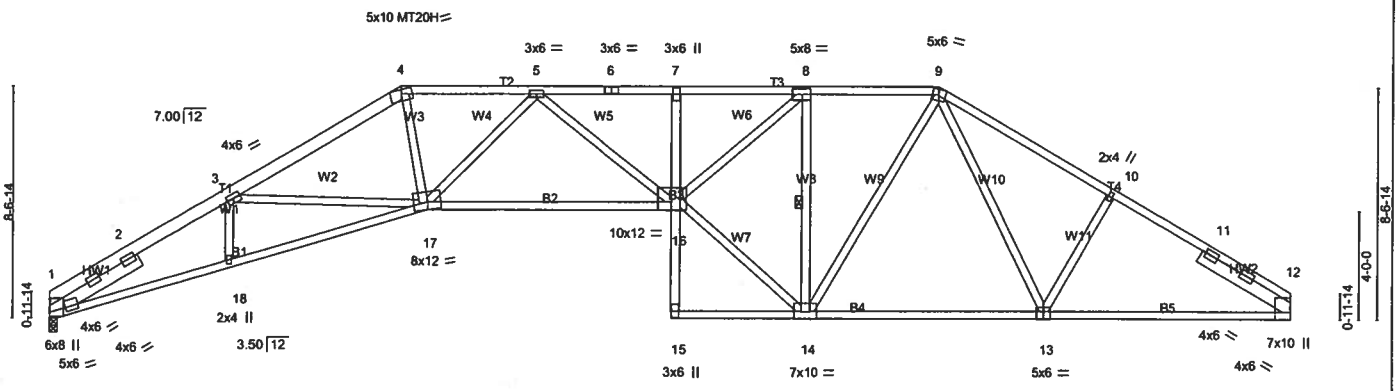
Dwg.#0310061173

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T15	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:43:10 2006 Page 1

6-7-12	13-0-0	18-0-8	23-1-0	27-11-10	32-10-5	39-2-9	45-10-5
6-7-12	6-4-4	5-0-8	5-0-8	4-10-10	4-10-10	6-4-4	6-7-12

Scale = 1:81.3



6-7-12	14-0-1	23-1-0	27-11-10	36-9-4	45-10-5
6-7-12	7-4-5	9-0-15	4-10-10	8-9-9	9-1-1

Plate Offsets (X,Y): [1:0-7-4,0-2-0], [8:0-3-8,0-2-8], [13:0-3-0,0-3-4], [17:0-6-0,0-3-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.73	16-17	>754	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-1.18	16-17	>466	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.67	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 289 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 6 SYP No.1D, T4 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.1D *Except*
B3 2 X 4 SYP No.3, B4 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 4 SYP No.2, W6 2 X 4 SYP No.2
SLIDER Left 2 X 6 SYP No.1D 3-10-10, Right 2 X 6 SYP No.1D 3-11-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-11-14 oc bracing.
WEBS 1 Row at midpt 8-14

REACTIONS (lb/size) 1=1923/0-3-8, 12=1923/Mechanical
Max Horz 1=290(load case 4)
Max Uplift1=-550(load case 5), 12=-551(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4975/1756, 2-3=-4868/1769, 3-4=-4688/1670, 4-5=-4469/1659, 5-6=-5196/1954, 6-7=-5196/1954, 7-8=-5149/1953, 8-9=-2557/1133, 9-10=-2762/1153, 10-11=-2870/1122, 11-12=-2973/1105
BOT CHORD 1-18=-1570/4185, 17-18=-1575/4210, 16-17=-1825/4884, 15-16=0/42, 7-16=-277/225, 14-15=-18/9, 13-14=-650/2178, 12-13=-812/2387
WEBS 3-18=0/159, 3-17=-372/307, 4-17=-605/1943, 5-17=-736/548, 5-16=-258/514, 14-16=-1059/3334, 8-16=-1319/3493, 8-14=-2561/1120, 9-14=-452/858, 9-13=-192/393, 10-13=-152/263

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) All plates are MT20 plates unless otherwise indicated.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 550 lb uplift at joint 1 and 551 lb uplift at joint 12.

LOAD CASE(S) Standard

MARCH 10,2006 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

Dwg.#0310061174

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T16	SPECIAL	1	1	Job Reference (optional)

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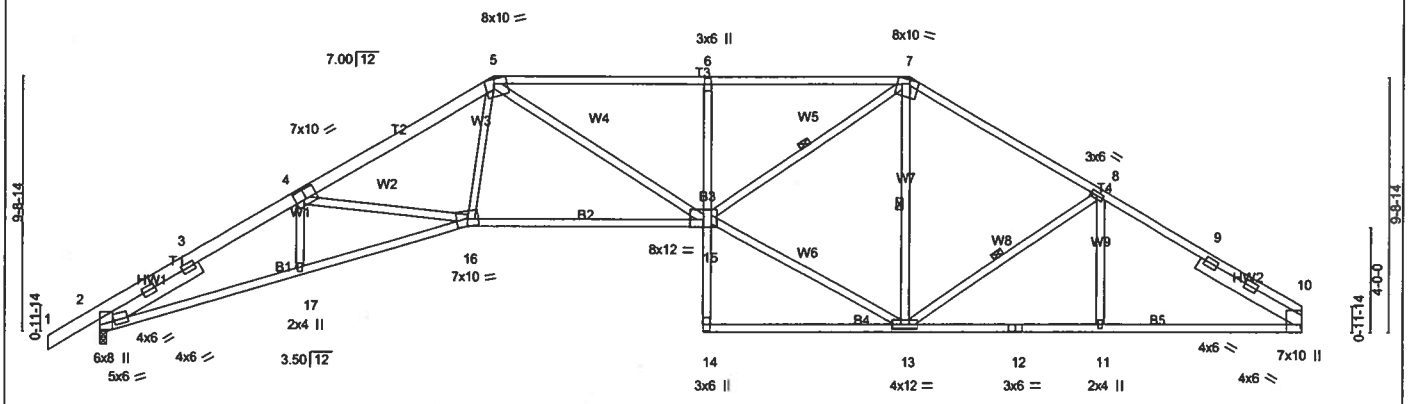
-2-0-0	7-7-12	15-0-0	23-0-0	30-10-5	38-2-9	45-10-5
2-0-0	7-7-12	7-4-4	8-0-0	7-10-5	7-4-4	7-7-12

Scale = 1:84.1



7-7-12	14-0-1	23-0-0	30-10-5	38-2-9	45-10-5
7-7-12	6-4-5	8-11-15	7-10-5	7-4-4	7-7-12

Plate Offsets (X,Y): [2:0-6-7,0-4-12], [4:0-5-0,0-4-8], [5:0-4-1,Edge], [7:0-4-1,Edge], [16:0-0-0,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.62	15-16	>880	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-1.02	15-16	>540	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.57	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 294 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T3 2 X 4 SYP No.2, T4 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 4 SYP No.1D, B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-5-9, Right 2 X 6 SYP No.1D 4-6-4

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-15, 7-13, 8-13

REACTIONS (lb/size) 10=1920/Mechanical, 2=2038/0-3-8
Max Horz 2=341(load case 4)
Max Uplift10=-566(load case 6), 2=-686(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/28, 2-3=-5010/1712, 3-4=-4889/1727, 4-5=-4555/1593, 5-6=-4100/1570, 6-7=-4066/1569, 7-8=-2491/1037, 8-9=-2878/1094, 9-10=-2996/1066
BOT CHORD 2-17=-1463/4232, 16-17=-1465/4251, 15-16=-1234/3610, 14-15=0/104, 6-15=-418/387, 13-14=-8/22, 12-13=-782/2407, 11-12=-782/2407, 10-11=-782/2407
WEBS 4-17=0/155, 4-16=-331/353, 5-16=-387/1497, 5-15=-498/777, 13-15=-629/2337, 7-15=-975/2420, 7-13=-635/429, 8-13=-392/320, 8-11=0/200

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) Bearing at joint(s) 2 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 566 lb uplift at joint 10 and 686 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 10,2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0310061175

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T17	SPECIAL	3	1	Job Reference (optional)

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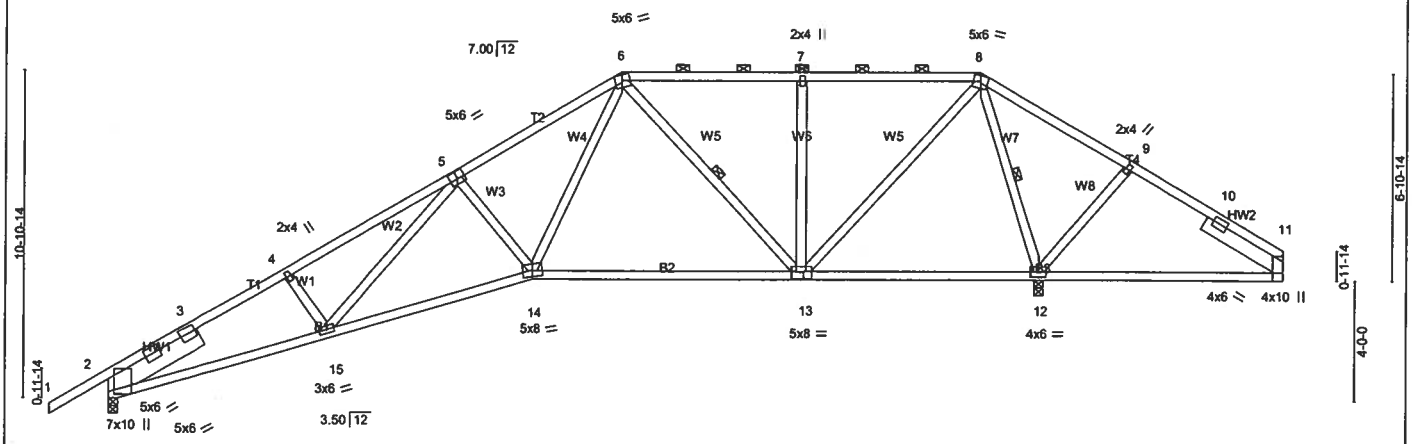
-2-0-0	5-10-5	11-5-3	17-0-0	22-11-3	28-10-5	33-9-6	39-0-0
2-0-0	5-10-5	5-6-13	5-6-13	5-11-2	5-11-2	4-11-2	5-2-10

Scale = 1:73.3



7-1-13	14-0-1	22-11-3	30-10-4	39-0-0
7-1-13	6-10-5	8-11-1	7-11-1	8-1-12

Plate Offsets (X,Y): [2:0-6-3,Edge], [5:0-3-0,0-3-0], [13:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.94	Vert(LL)	-0.27	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.44	13-14	>831	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.18	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 226 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
SLIDER Left 2 X 8 SYP No.1D 3-6-7, Right 2 X 6 SYP No.1D 3-1-8

BRACING
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-13, 8-12

REACTIONS (lb/size) 2=1318/0-3-8, 12=2063/0-3-8
Max Horz 2=364(load case 4)
Max Uplift2=-512(load case 5), 12=-808(load case 6)
Max Grav 2=1359(load case 9), 12=2063(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-2835/997, 3-4=-2737/1007, 4-5=-2644/1022, 5-6=-2288/857, 6-7=-1020/435, 7-8=-1017/432, 8-9=-354/622, 9-10=-311/431, 10-11=-334/358
BOT CHORD 2-15=-1021/2343, 14-15=-925/2274, 13-14=-598/1361, 12-13=-119/322, 11-12=-272/315
WEBS 4-15=-46/142, 5-15=-147/198, 5-14=-400/350, 6-14=-509/1312, 6-13=-564/309, 7-13=-345/302, 8-13=-511/1335, 8-12=-1628/774, 9-12=-332/336

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever 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 adequate drainage to prevent water ponding.
4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 2 and 808 lb uplift at joint 12.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 10,2006 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0310061176

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T18	HIP	1	1	Job Reference (optional)

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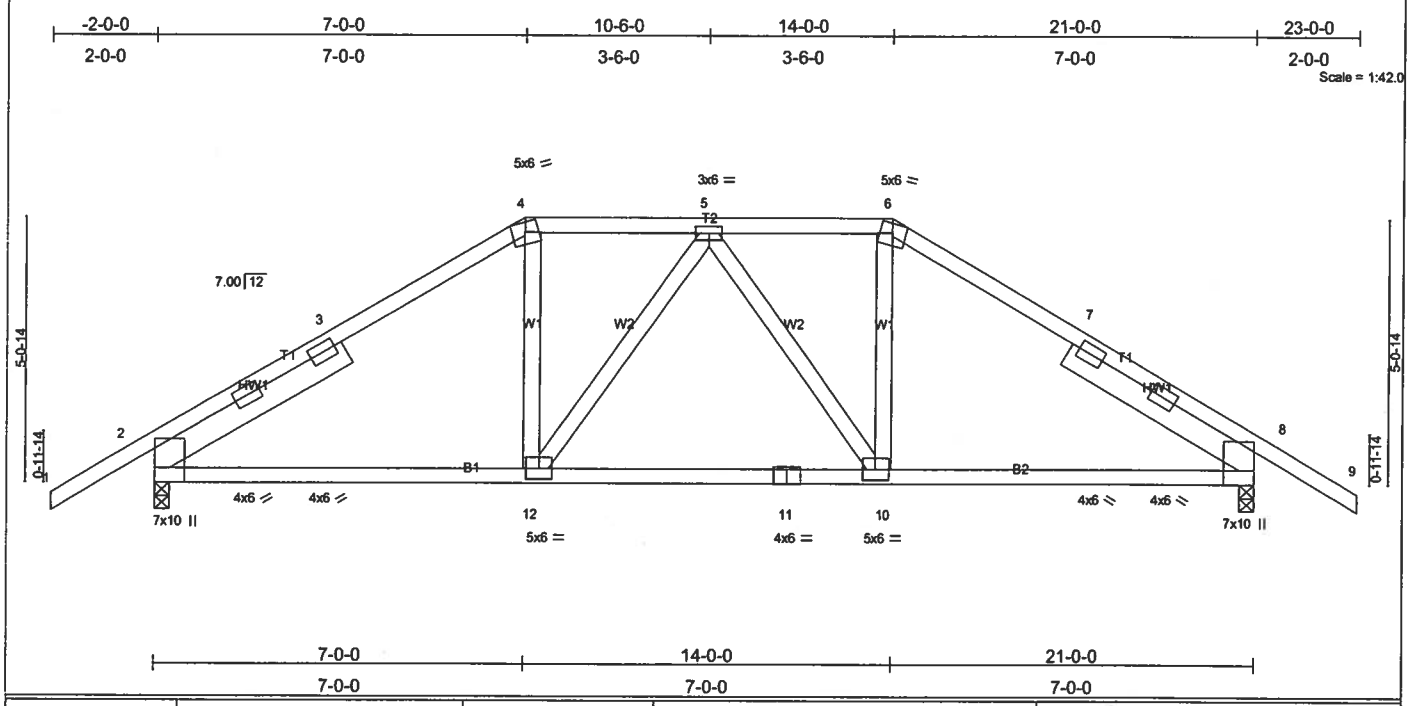

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.97	Vert(LL)	-0.21	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.35	10-12	>723	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 123 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
SLIDER Left 2 X 6 SYP No.1D 4-2-13, Right 2 X 6 SYP No.1D 4-2-13

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 5-4-13 oc bracing.

REACTIONS (lb/size) 2=1870/0-3-8, 8=1870/0-3-8
Max Horz 2=-168(load case 2)
Max Uplift2=-992(load case 4), 8=-992(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-2710/1349, 3-4=-2595/1363, 4-5=-2182/1227, 5-6=-2182/1227, 6-7=-2595/1364, 7-8=-2710/1349, 8-9=0/26
BOT CHORD 2-12=-1171/2147, 11-12=-1333/2376, 10-11=-1333/2376, 8-10=-1047/2147
WEBS 4-12=-657/1212, 5-12=-436/462, 5-10=-436/462, 6-10=-657/1212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 992 lb uplift at joint 2 and 992 lb uplift at joint 8.
5) Girder carries hip end with 7-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 374 lb up at 14-0-0, and 539 lb down and 374 lb up at 7-0-0 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: 1-4=-54, 4-6=-118(F=-64), 6-9=-54, 2-12=-30, 10-12=-65(F=-35), 8-10=-30
Concentrated Loads (lb)
Vert: 12=-539(F) 10=-539(F)

MARCH 10,2006 TRUSS DESIGN ENGINEER:
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Dwg.#0310061177

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T19	HIP	1	1	Job Reference (optional)

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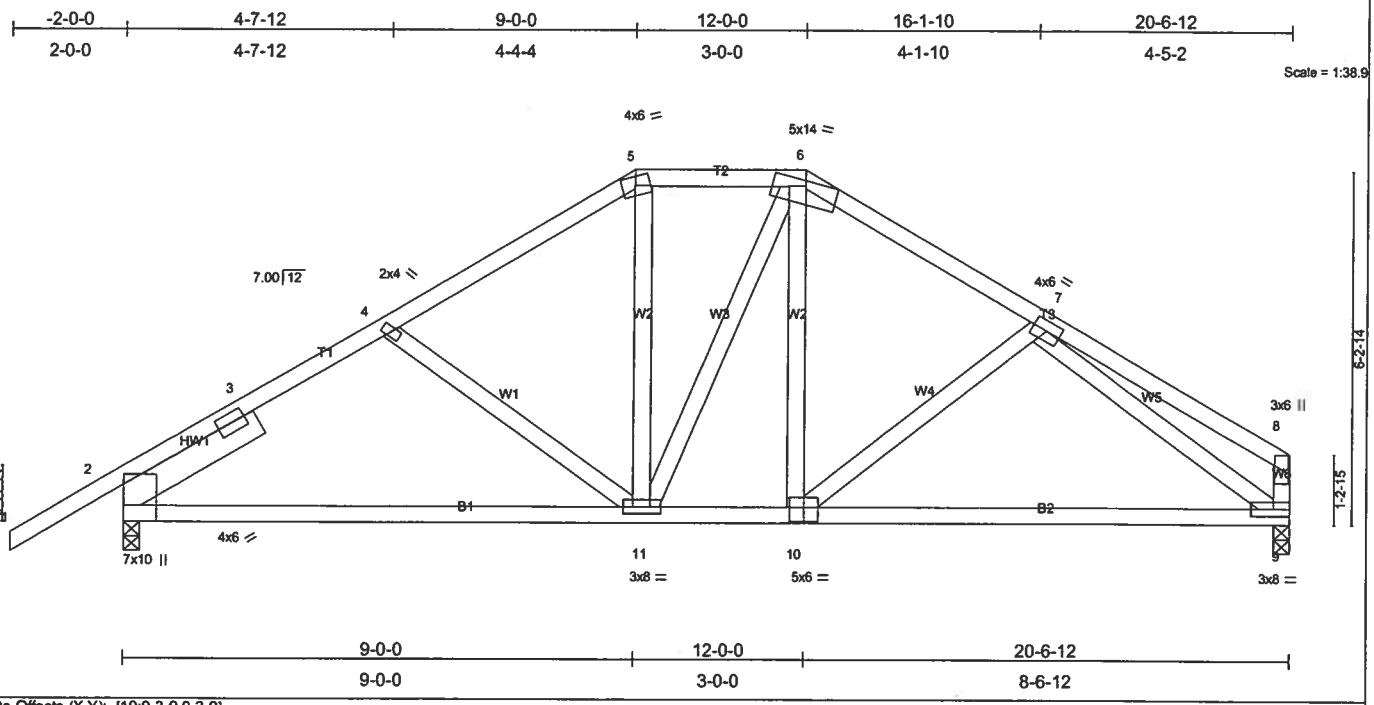

Plate Offsets (X,Y): [10:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	-0.12	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.20	2-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.35	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 126 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 2-9-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=971/0-3-8, 9=852/0-3-8
Max Horz 2=213(load case 4)
Max Uplift2=-384(load case 5), 9=-262(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-1114/406, 3-4=-1041/422, 4-5=-923/381, 5-6=-754/382, 6-7=-909/385, 7-8=-394/104, 8-9=-286/121
BOT CHORD 2-11=-302/858, 10-11=-163/738, 9-10=-280/806
WEBS 4-11=-149/176, 5-11=-60/237, 6-11=-124/129, 6-10=-77/221, 7-10=-112/179, 7-9=-671/326

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 384 lb uplift at joint 2 and 262 lb uplift at joint 9.

LOAD CASE(S) Standard

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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0310061178

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T20	COMMON	5	1	Job Reference (optional)

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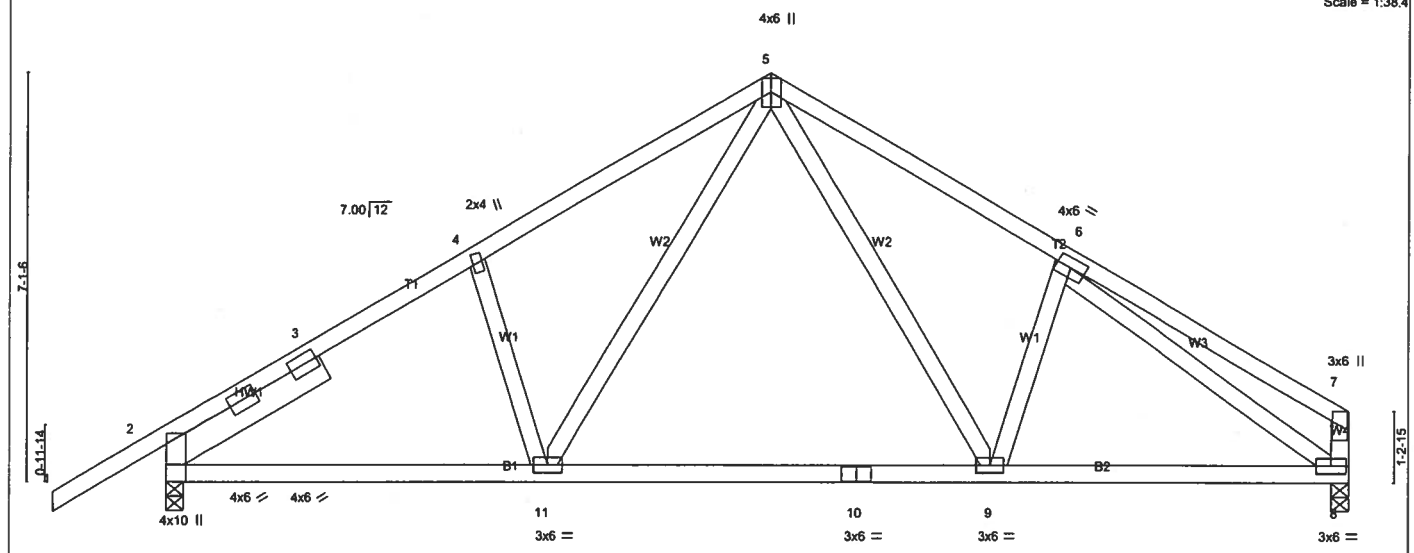
-2-0-0 | 5-4-12 | 10-6-0 | 15-7-4 | 20-6-12
2-0-0 | 5-4-12 | 5-1-4 | 5-1-4 | 4-11-8

Scale = 1:38.4



6-8-0 | 14-4-0 | 20-6-12
6-8-0 | 7-8-0 | 6-2-12

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.28	9-11	>890	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.45	9-11	>546	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 121 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
SLIDER Left 2 X 6 SYP No.1D 3-2-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-8-1 oc bracing.

REACTIONS (lb/size) 2=1160/0-3-8, 8=1053/0-3-8
Max Horz 2=243(load case 4)
Max Uplift2=-463(load case 5), 8=-345(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-1516/502, 3-4=-1441/523, 4-5=-1368/580, 5-6=-1363/580, 6-7=-241/148, 7-8=-225/155
BOT CHORD 2-11=-414/1173, 10-11=-224/851, 9-10=-224/851, 8-9=-358/1132
WEBS 4-11=-110/195, 5-11=-260/633, 5-9=-253/591, 6-9=-90/187, 6-8=-1259/382

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 463 lb uplift at joint 2 and 345 lb uplift at joint 8.
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: 1-5=-54, 5-7=-54, 2-11=-30, 9-11=-80(F=-50), 8-9=-30

MARCH 10,2006 TRUSS DESIGN ENGINEER:
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Dwg.#0310061179

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T21	COMMON	1	2	Job Reference (optional)

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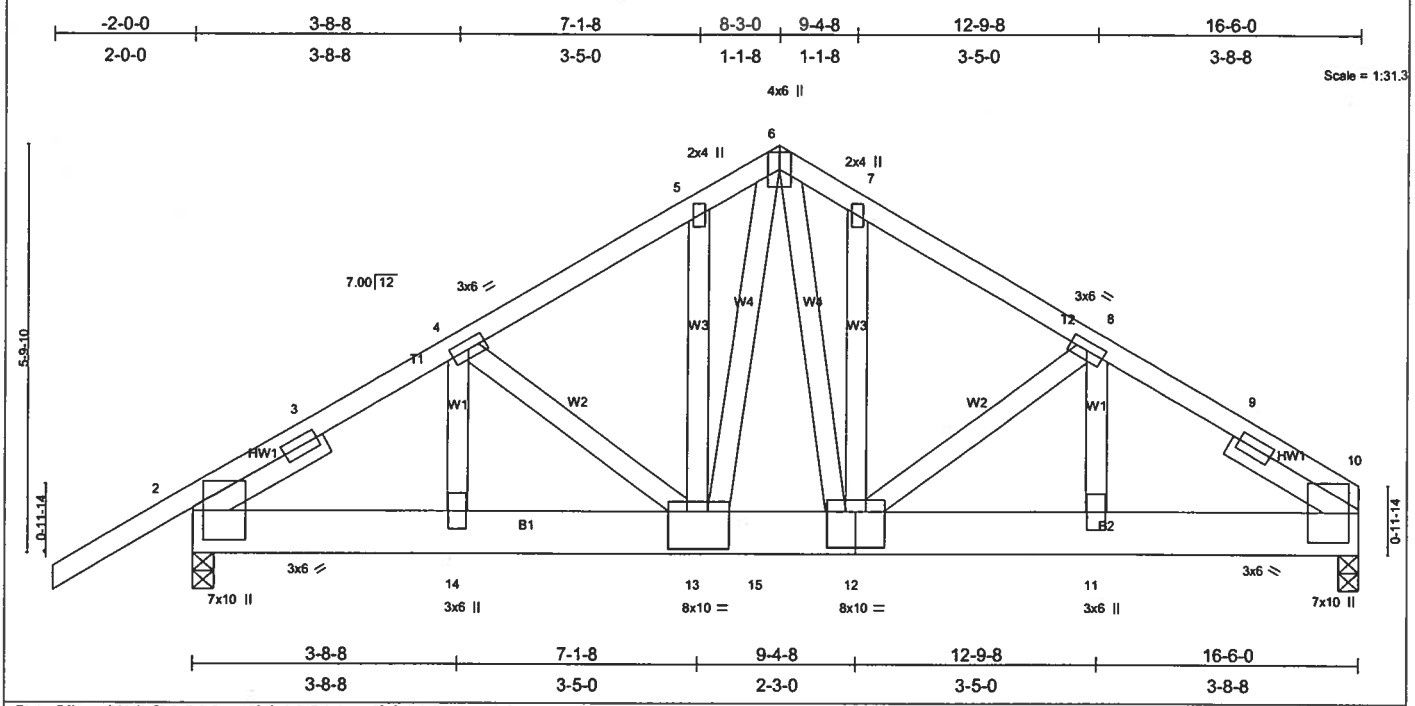

Plate Offsets (X,Y): [2:0-5-9,0-1-12], [10:0-5-9,0-1-12], [12:0-5-0,0-6-0], [13:0-3-0,0-6-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.05	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.08	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.31	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code	FBC2004/TPI2002	(Matrix)							Weight: 270 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 2-1-1, Right 2 X 4 SYP No.3 2-1-1

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 10=3656/0-3-8, 2=2406/0-3-8
Max Horz 2=200(load case 3)
Max Uplift10=-1373(load case 5), 2=-956(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-3338/1185, 3-4=-3296/1207, 4-5=-3518/1351, 5-6=-3434/1378, 6-7=-3563/1442, 7-8=-3639/1394, 8-9=-4498/1708, 9-10=-4525/1680
BOT CHORD 2-14=-989/2733, 13-14=-989/2733, 13-15=-931/2734, 12-15=-931/2734, 11-12=-1346/3748, 10-11=-1346/3748
WEBS 4-14=-301/176, 4-13=-234/443, 5-13=-73/101, 6-13=-586/1388, 6-12=-815/1918, 7-12=-70/86, 8-12=-816/412, 8-11=-416/1025

NOTES
1) 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 8 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1373 lb uplift at joint 10 and 956 lb uplift at joint 2.
6) Girder carries tie-in span(s): 20-3-5 from 8-0-0 to 16-6-0
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1358 lb down and 513 lb up at 7-1-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-10=-54, 2-15=-30, 10-15=-408(F=-378)
Concentrated Loads (lb)
Vert: 13=-1358(F)

MARCH 10,2006 TRUSS DESIGN ENGINEER:
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Dwg.#0310061180

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T21G	GABLE	1	1	Job Reference (optional)

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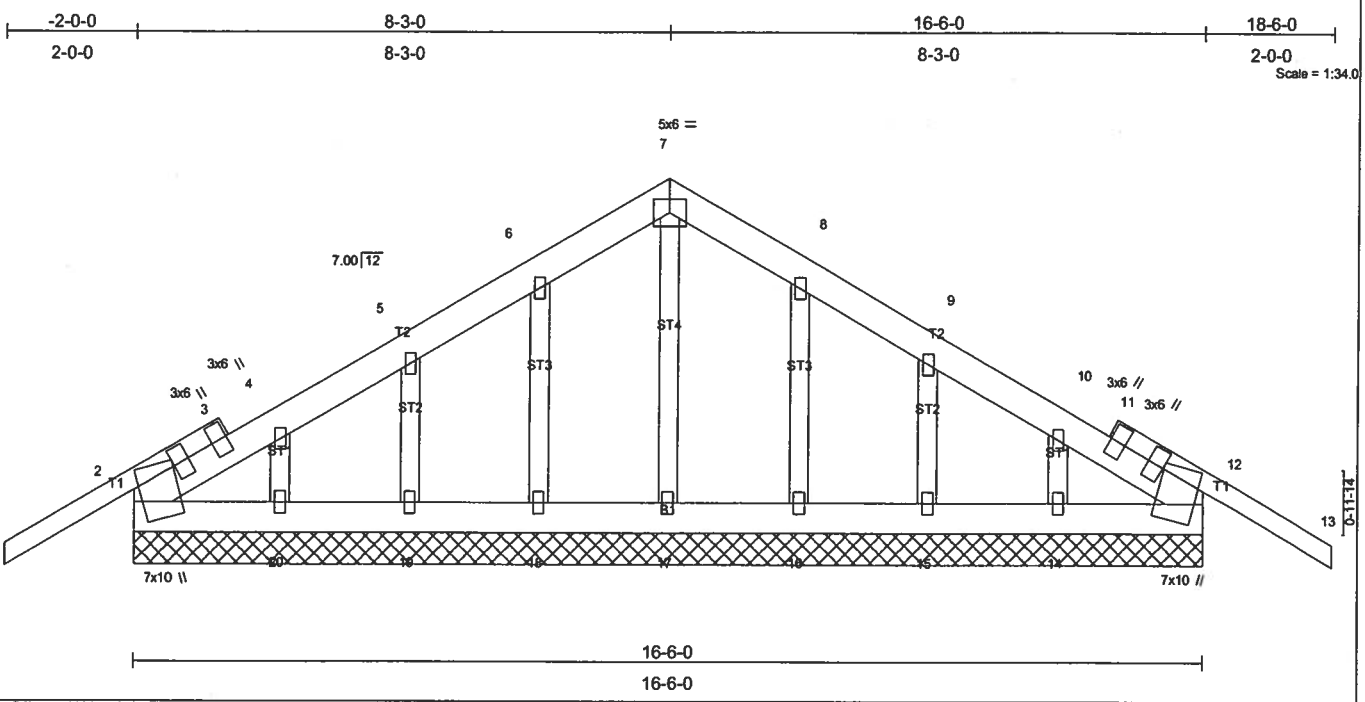

Plate Offsets (X,Y): [2:0-4-7,0-1-10], [12:0-2-9,0-1-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.04	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.06	13	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.07	Horz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 122 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
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=515/16-6-0, 12=515/16-6-0, 17=239/16-6-0, 18=279/16-6-0, 19=312/16-6-0, 20=190/16-6-0, 16=279/16-6-0, 15=312/16-6-0, 14=190/16-6-0
Max Horz 2=176(load case 4)
Max Uplift2=-249(load case 5), 12=-269(load case 6), 17=-11(load case 4), 18=-120(load case 5), 19=-164(load case 5), 20=-66(load case 6), 16=-115(load case 6), 15=-166(load case 6), 14=-69(load case 5)
Max Grav 2=515(load case 1), 12=515(load case 1), 17=239(load case 1), 18=283(load case 9), 19=312(load case 9), 20=191(load case 9), 16=283(load case 10), 15=312(load case 10), 14=191(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8/63, 2-3=-164/121, 3-4=-123/117, 4-5=-108/102, 5-6=-114/126, 6-7=-111/157, 7-8=-111/152, 8-9=-114/105, 9-10=-108/43, 10-11=-56/51, 11-12=-164/55, 12-13=-8/63
BOT CHORD 2-20=-29/111, 19-20=-29/111, 18-19=-29/111, 17-18=-29/111, 16-17=-29/111, 15-16=-29/111, 14-15=-29/111, 12-14=-29/111
WEBS 7-17=-177/22, 6-18=-226/135, 5-19=-241/166, 4-20=-167/109, 8-16=-226/130, 9-15=-241/168, 10-14=-167/107

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 2, 269 lb uplift at joint 12, 11 lb uplift at joint 17, 120 lb uplift at joint 18, 164 lb uplift at joint 19, 66 lb uplift at joint 20, 115 lb uplift at joint 16, 166 lb uplift at joint 15 and 69 lb uplift at joint 14.
8) 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: 1-7=-114(F=-60), 7-13=-114(F=-60), 2-12=-30

MARCH 10,2006 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

Dwg.#0310061181

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T22	COMMON	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:58:18 2006 Page 1

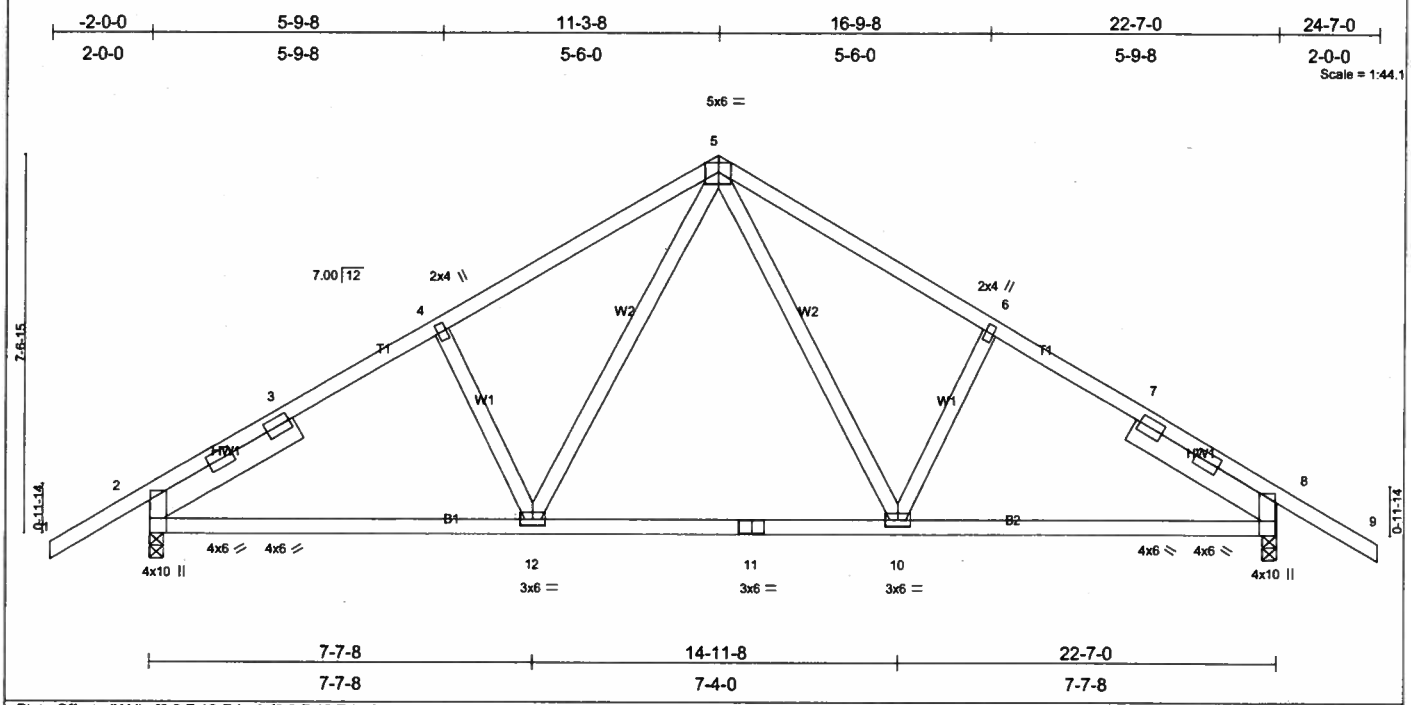

Plate Offsets (X,Y): [2:0-7-13,Edge], [8:0-7-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.16	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.14	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 3-5-9, Right 2 X 6 SYP No.1D 3-5-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-0 oc bracing.

REACTIONS (lb/size) 2=1056/0-3-8, 8=1056/0-3-8
Max Horz 2=-255(load case 3)
Max Uplift2=-701(load case 5), 8=-701(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-1283/1150, 3-4=-1196/1179, 4-5=-1129/1216, 5-6=-1129/1216, 6-7=-1196/1179, 7-8=-1283/1150, 8-9=0/26
BOT CHORD 2-12=-840/988, 11-12=-522/738, 10-11=-522/738, 8-10=-840/988
WEBS 4-12=-192/212, 5-12=-554/440, 5-10=-554/440, 6-10=-192/213

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; 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 701 lb uplift at joint 2 and 701 lb uplift at joint 8.

LOAD CASE(S) Standard

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Dwg.#0310061182

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T22G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 13:59:10 2006 Page 1

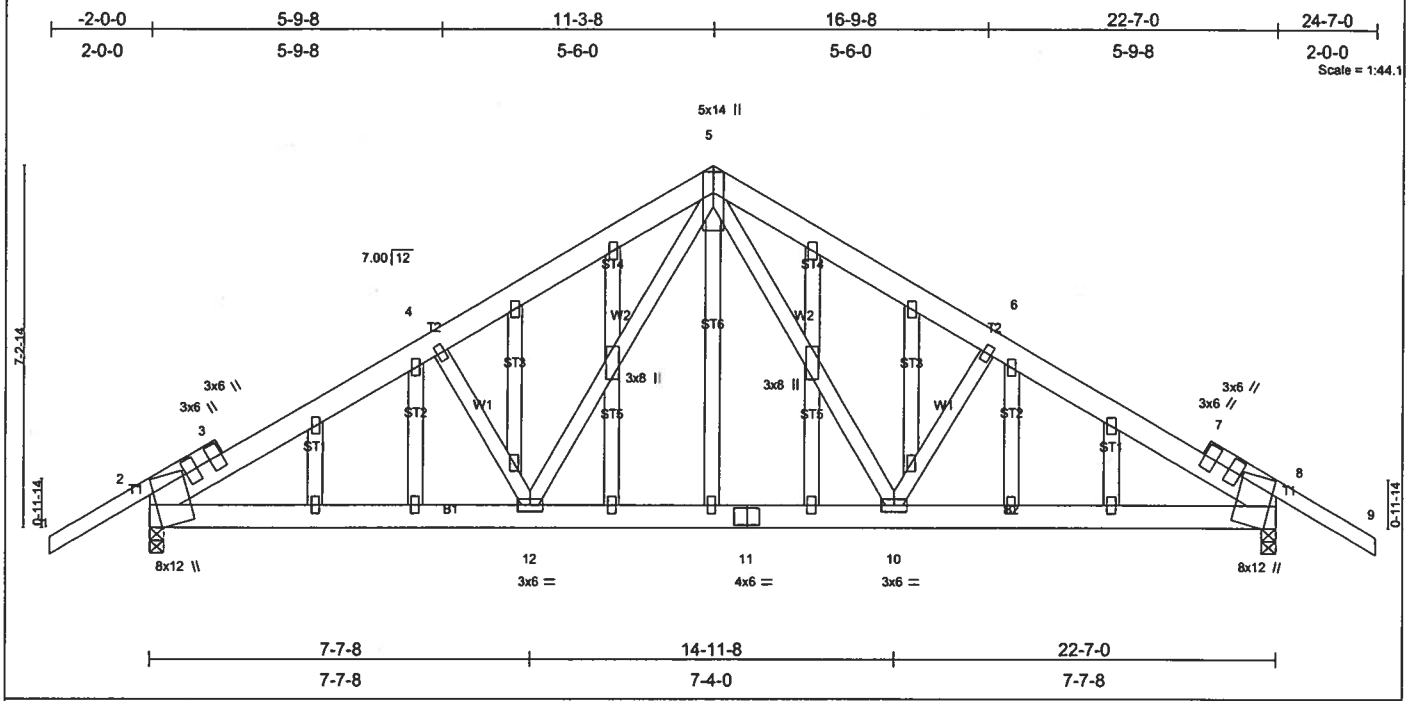

Plate Offsets (X,Y): [2:0-6-2,Edge], [3:0-3-0,0-0-0], [7:0-3-0,0-0-0], [8:0-4-5,Edge], [25:0-0-0,0-0-0], [26:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	0.11	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.10	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-6 oc bracing.

REACTIONS (lb/size) 2=1854/0-3-8, 8=1854/0-3-8
Max Horz 2=-237(load case 3)
Max Uplift2=-1243(load case 5), 8=-1243(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-28/63, 2-3=-2479/2316, 3-4=-2279/2228, 4-5=-2145/2170, 5-6=-2145/2170, 6-7=-2279/2228, 7-8=-2479/2316, 8-9=-28/63
BOT CHORD 2-12=-1800/1969, 11-12=-1143/1368, 10-11=-1143/1368, 8-10=-1800/1969
WEBS 4-12=-516/480, 5-12=-881/768, 5-10=-881/768, 6-10=-516/480

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1243 lb uplift at joint 2 and 1243 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: 1-5=-114(F=-60), 5-9=-114(F=-60), 2-8=-30

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Dwg.#0310061183

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T23	HIP	1	1	Job Reference (optional)

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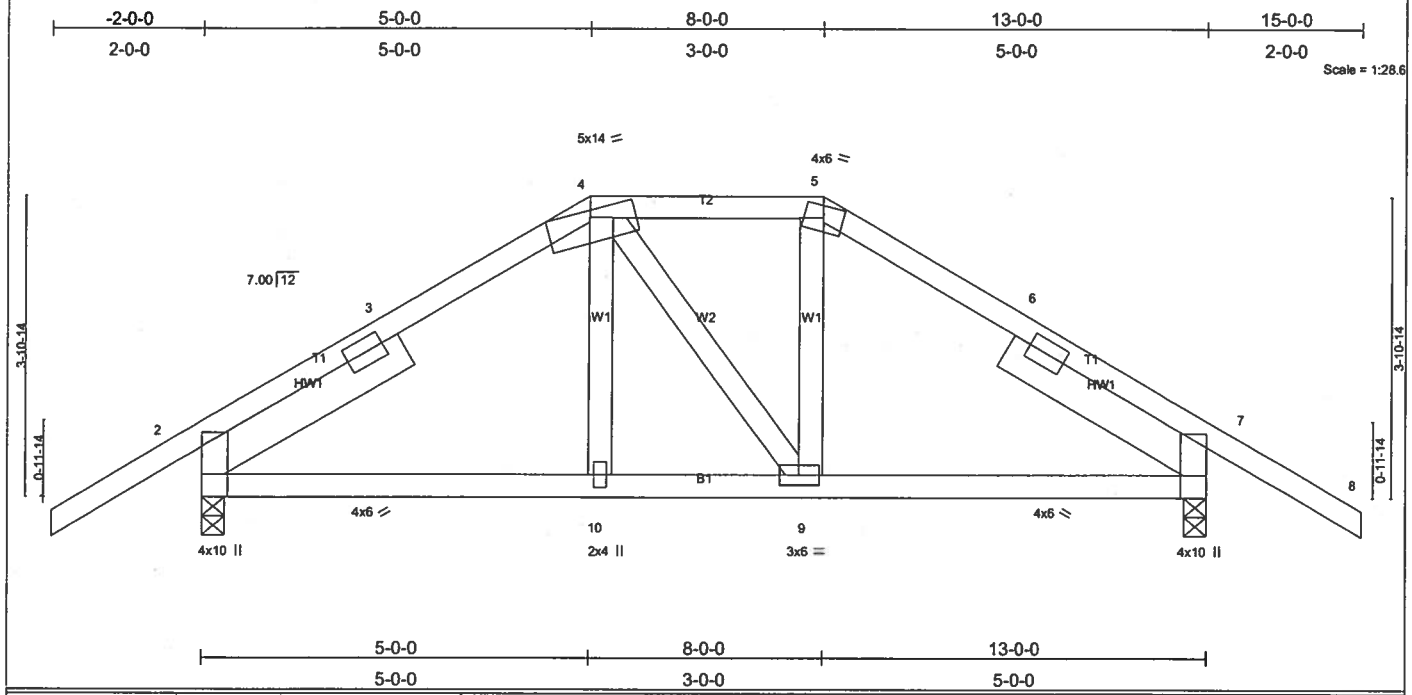

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.03	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.05	9-10	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.13	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 79 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
SLIDER Left 2 X 6 SYP No.1D 3-0-15, Right 2 X 6 SYP No.1D 3-0-15

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-8 oc bracing.

REACTIONS (lb/size) 2=981/0-3-8, 7=981/0-3-8
Max Horz 2=128(load case 3)
Max Uplift2=-513(load case 4), 7=-513(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-1181/535, 3-4=-1099/547, 4-5=-911/508, 5-6=-1100/547, 6-7=-1183/535, 7-8=0/26
BOT CHORD 2-10=-449/894, 9-10=-455/909, 7-9=-379/896
WEBS 4-10=-142/373, 4-9=-111/109, 5-9=-205/417

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 513 lb uplift at joint 2 and 513 lb uplift at joint 7.
5) Girder carries hip end with 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 170 lb up at 8-0-0, and 245 lb down and 170 lb up at 5-0-0 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: 1-4=-54, 4-5=-91(F=-37), 5-8=-54, 2-10=-30, 9-10=-50(F=-20), 7-9=-30
Concentrated Loads (lb)
Vert: 10=-245(F) 9=-245(F)

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Dwg.#0310061184

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T24	COMMON	1	1	Job Reference (optional)

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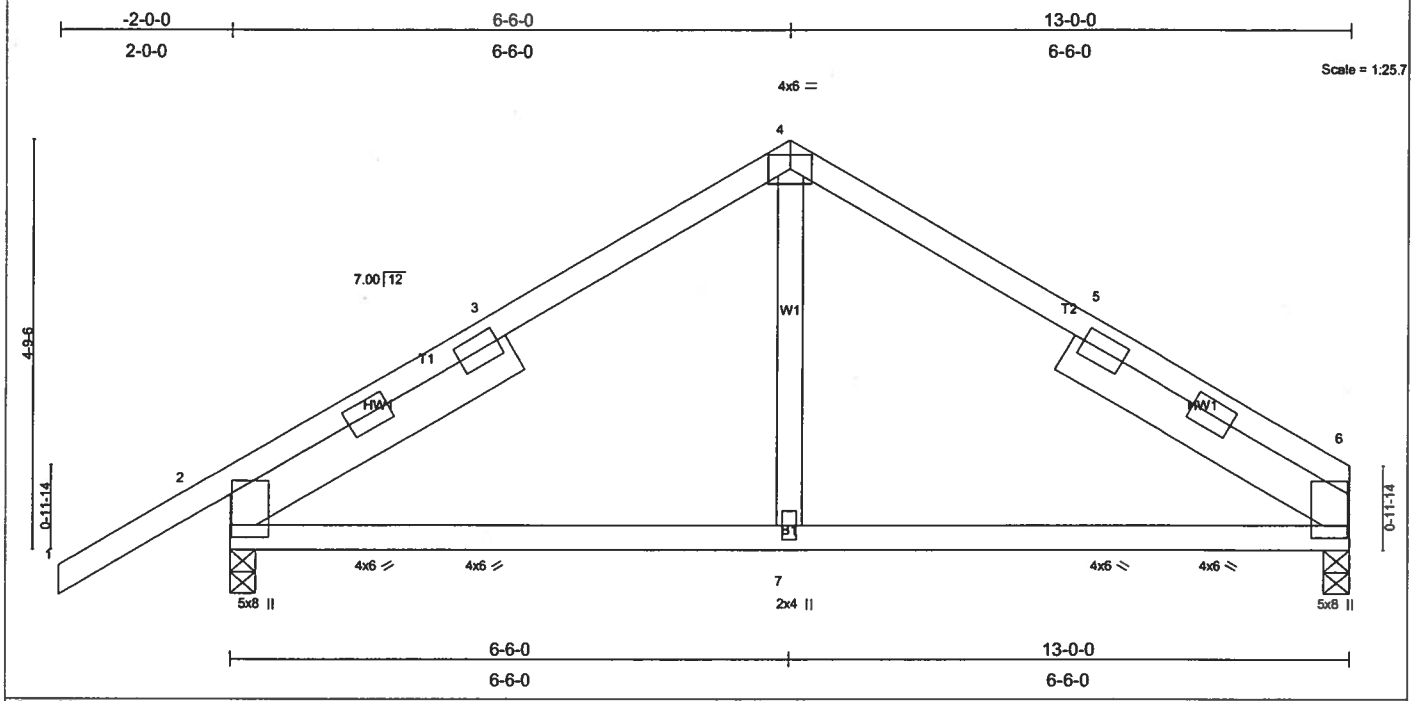

Plate Offsets (X,Y): [2:0-6-1,0-0-4], [6:0-6-1,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.07	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 70 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 3-10-5, Right 2 X 6 SYP No.1D 3-10-5

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) 6=538/0-3-8, 2=662/0-3-8
Max Horz 2=166(load case 4)
Max Uplift6=-170(load case 6), 2=-294(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-638/208, 3-4=-461/235, 4-5=-516/227, 5-6=-609/208
BOT CHORD 2-7=-80/446, 6-7=-80/446
WEBS 4-7=0/213

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 170 lb uplift at joint 6 and 294 lb uplift at joint 2.

LOAD CASE(S) Standard

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Dwg.#0310061185

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T25	COMMON	1	2	Job Reference (optional)

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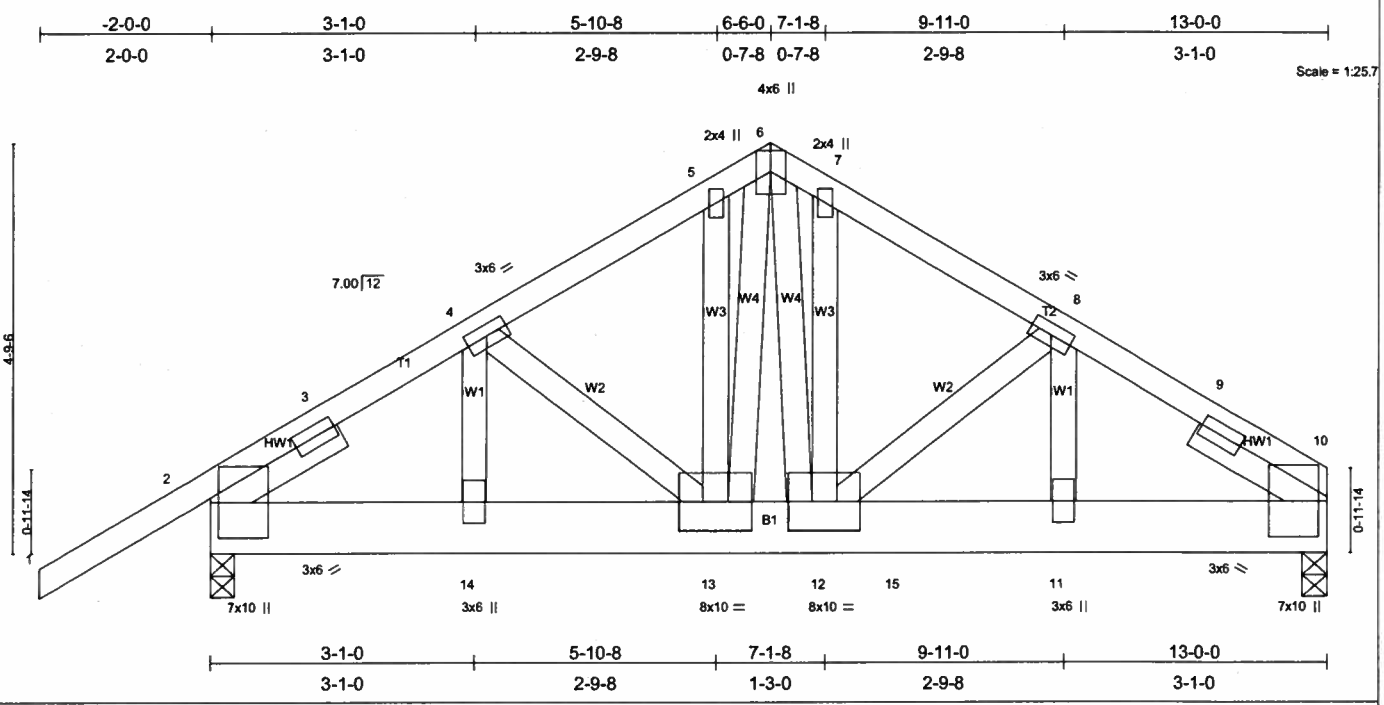

Plate Offsets (X,Y): [2:0-5-9,0-1-4], [10:0-5-9,0-1-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.03	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.06	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.31	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 217 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 1-8-11, Right 2 X 4 SYP No.3 1-8-11

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) 10=3492/0-3-8, 2=1926/0-3-8
Max Horz 2=165(load case 3)
Max Uplift10=-1314(load case 5), 2=-779(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-2459/870, 3-4=-2426/891, 4-5=-2791/1076, 5-6=-2615/1044, 6-7=-2866/1149, 7-8=-3083/1177, 8-9=-3983/1514, 9-10=-3992/1484
BOT CHORD 2-14=-704/1994, 13-14=-704/1994, 12-13=-808/2371, 12-15=-1186/3299, 11-15=-1186/3299, 10-11=-1186/3299
WEBS 4-14=-469/232, 4-13=-231/583, 5-13=-102/278, 6-13=-113/211, 6-12=-793/1961, 7-12=-122/361, 8-12=-869/431, 8-11=-455/1131

NOTES
1) 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 8 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1314 lb uplift at joint 10 and 779 lb uplift at joint 2.
6) Girder carries tie-in span(s): 25-10-8 from 8-0-0 to 13-0-0
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1742 lb down and 658 lb up at 7-1-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-10=-54, 2-15=-30, 10-15=-525(F=-495)
Concentrated Loads (lb)
Vert: 12=-1742(F)

MARCH 10,2006 TRUSS DESIGN ENGINEER:
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Dwg.#0310061186

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T26	COMMON	4	1	Job Reference (optional)

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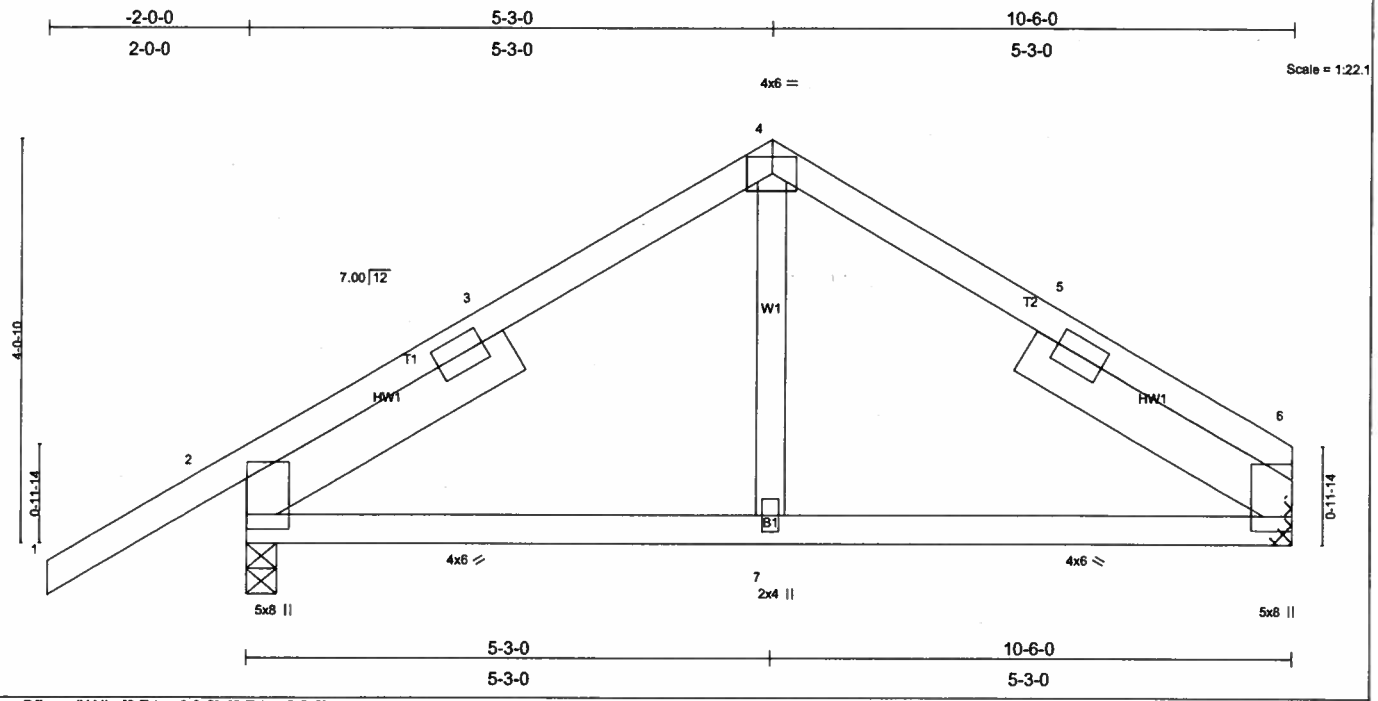

Plate Offsets (X,Y): [2:Edge,0-0-0], [6:Edge,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.03	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 57 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
SLIDER Left 2 X 6 SYP No.1D 3-1-10, Right 2 X 6 SYP No.1D 3-1-10

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) 6=431/Mechanical, 2=559/0-3-8
Max Horz 2=141(load case 4)
Max Uplift6=-135(load case 6), 2=-263(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-500/168, 3-4=-353/190, 4-5=-391/180, 5-6=-472/164
BOT CHORD 2-7=-52/338, 6-7=-52/338
WEBS 4-7=0/167

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 135 lb uplift at joint 6 and 263 lb uplift at joint 2.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0310061187

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T26G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:09:34 2006 Page 1

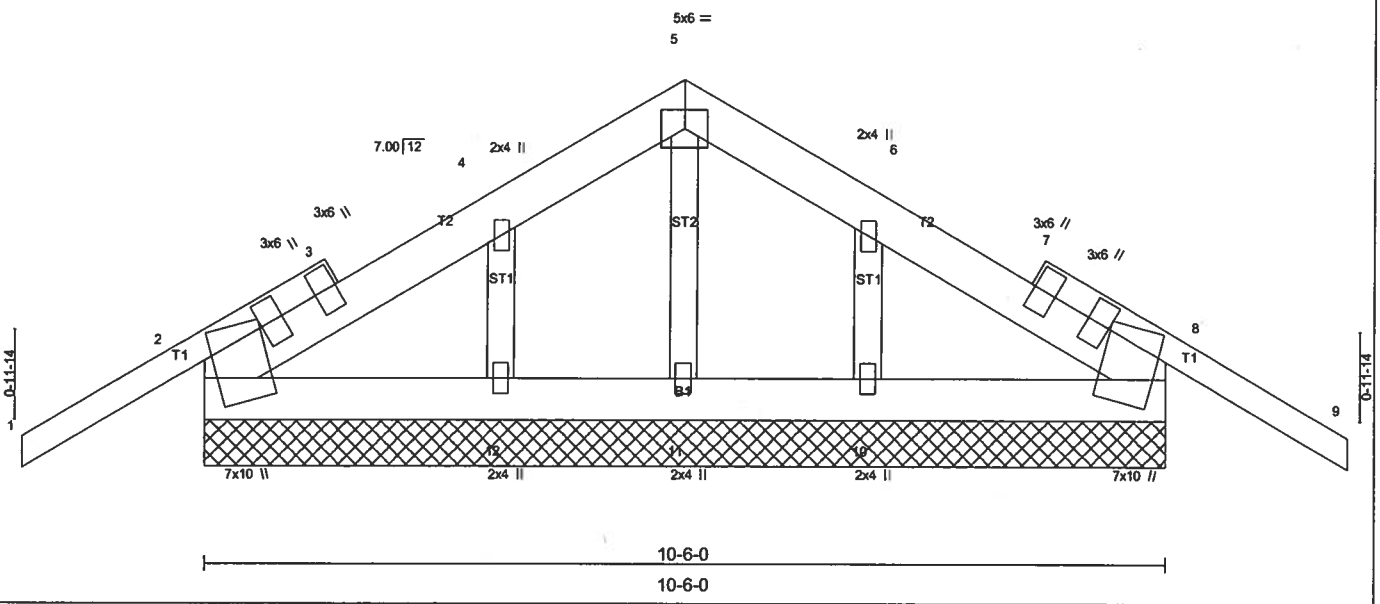

Plate Offsets (X,Y): [2:0-4-7,0-1-10], [8:0-2-9,0-1-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.04	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.06	9	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 74 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
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=546/10-6-0, 8=546/10-6-0, 11=206/10-6-0, 12=335/10-6-0, 10=335/10-6-0
Max Horz 2=115(load case 4)
Max Uplift2=-289(load case 5), 8=-303(load case 6), 11=-24(load case 5), 12=-132(load case 5), 10=-128(load case 6)
Max Grav 2=546(load case 1), 8=546(load case 1), 11=206(load case 1), 12=340(load case 9), 10=340(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8/63, 2-3=-189/84, 3-4=-61/80, 4-5=-122/118, 5-6=-122/118, 6-7=-61/47, 7-8=-189/67, 8-9=-8/63
BOT CHORD 2-12=-19/70, 11-12=-19/70, 10-11=-19/70, 8-10=-19/70
WEBS 5-11=-152/26, 4-12=-268/163, 6-10=-268/160

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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) 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 289 lb uplift at joint 2, 303 lb uplift at joint 8, 24 lb uplift at joint 11, 132 lb uplift at joint 12 and 128 lb uplift at joint 10.
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=-114(F=-60), 5-9=-114(F=-60), 2-8=-30

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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0310061188

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T27	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:10:57 2006 Page 1

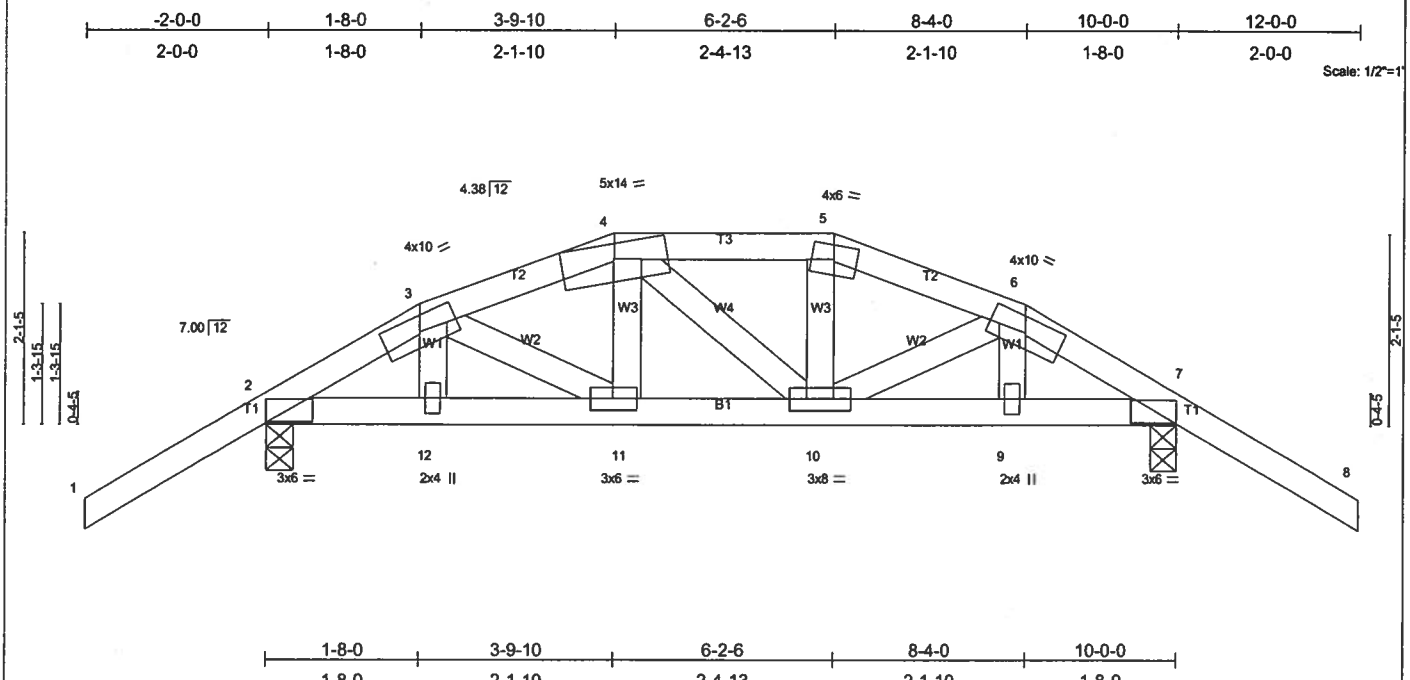

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [7:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.01	11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.02	11	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 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=670/0-3-8, 7=670/0-3-8
Max Horz 2=69(load case 4)
Max Uplift2=-360(load case 4), 7=-360(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-750/342, 3-4=-777/403, 4-5=-728/403, 5-6=-778/402, 6-7=-749/341, 7-8=0/54
BOT CHORD 2-12=-256/582, 11-12=-253/586, 10-11=-327/726, 9-10=-257/585, 7-9=-260/582
WEBS 3-12=0/67, 3-11=-117/145, 4-11=-29/112, 4-10=-36/40, 5-10=-26/133, 6-10=-113/147, 6-9=0/65

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 360 lb uplift at joint 2 and 360 lb uplift at joint 7.
5) Girder carries hip end with 6-2-6 right side setback, 1-8-0 left side setback, and 2-9-0 end setback.
6) Girder carries hip end with 1-8-0 right side setback, 6-2-6 left side setback, and 2-9-0 end setback.
7) Girder carries hip end with 3-9-10 right side setback, 3-9-10 left side setback, and 3-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 29 lb down and 20 lb up at 1-8-0, 29 lb down and 20 lb up at 8-4-0, and 80 lb down and 55 lb up at 6-2-6, and 80 lb down and 55 lb up at 3-9-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-60(F=-6), 4-5=-64(F=-10), 5-6=-60(F=-6), 6-8=-54, 2-12=-30, 11-12=-33(F=-3), 10-11=-35(F=-5), 9-10=-33(F=-3), 7-9=-30
Concentrated Loads (lb)
Vert: 12=-29(F) 11=-80(F) 10=-80(F) 9=-29(F)

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Dwg.#0310061189

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T28	COMMON	3	1	Job Reference (optional)

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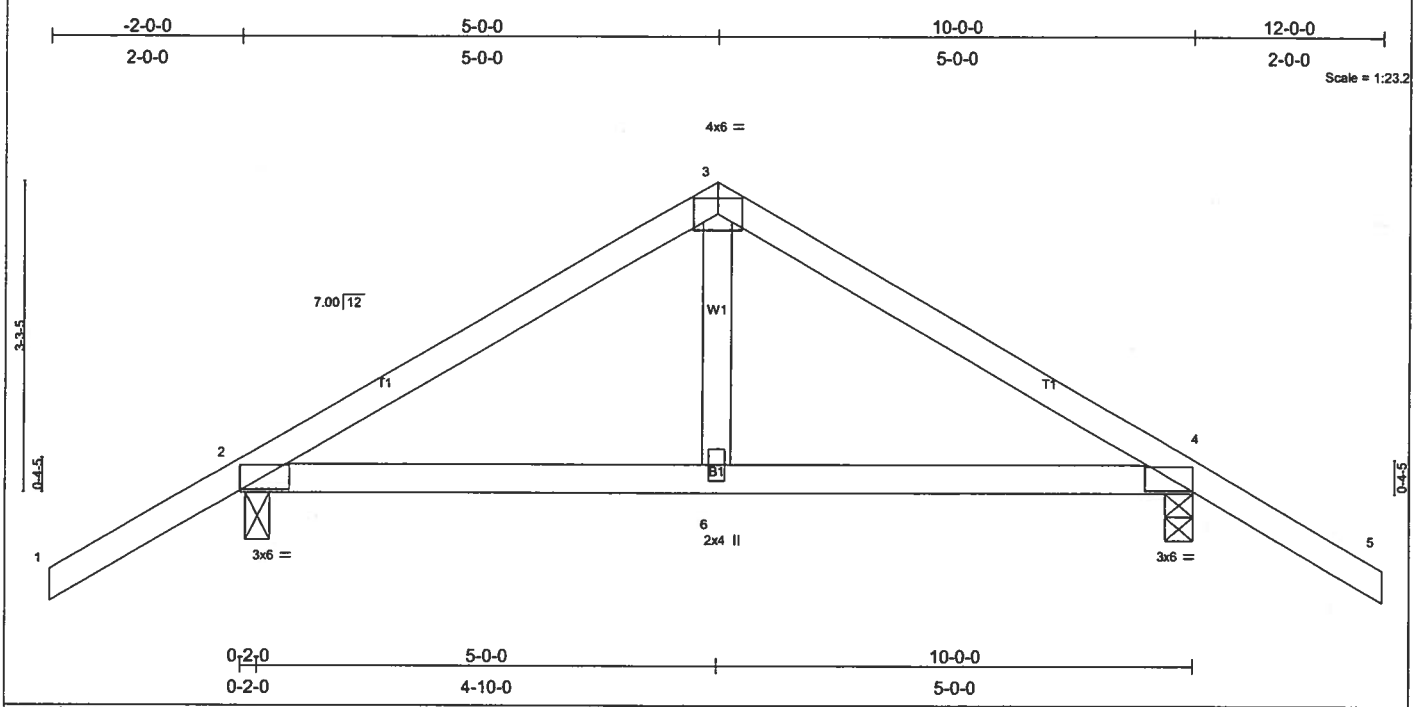

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [4:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.01	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.02	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 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=523/0-3-0, 4=525/0-3-8
Max Horz 2=109(load case 4)
Max Uplift2=-262(load case 5), 4=-263(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-479/119, 3-4=-479/119, 4-5=0/54
BOT CHORD 2-6=-15/353, 4-6=-15/353
WEBS 3-6=0/159

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 262 lb uplift at joint 2 and 263 lb uplift at joint 4.

LOAD CASE(S) Standard

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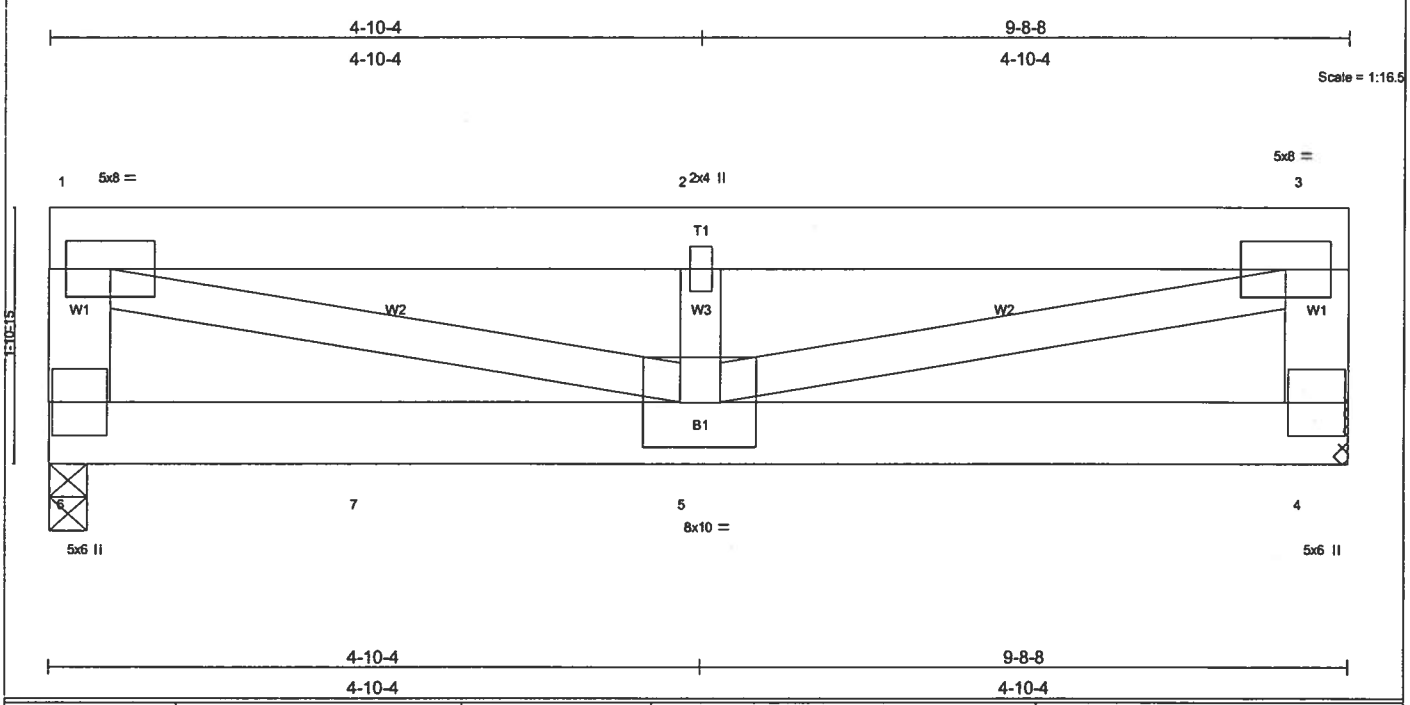
Dwg.#0310061190

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T29	SPECIAL	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 11:50:43 2006 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	0.56	Vert(LL)	-0.06	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.10	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.40	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 129 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 6 SYP No.1D *Except*
W2 2 X 4 SYP No.2, W3 2 X 4 SYP No.3, W2 2 X 4 SYP No.2

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

REACTIONS (lb/size) 6=3461/0-3-8, 4=3625/Mechanical
Max Uplift6=-1307(load case 2), 4=-1369(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-1759/700, 1-2=-5673/2141, 2-3=-5673/2141, 3-4=-1737/692
BOT CHORD 6-7=-567/1500, 5-7=-567/1500, 4-5=-594/1572
WEBS 1-5=-1650/4374, 2-5=-170/397, 3-5=-1622/4299

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1307 lb uplift at joint 6 and 1369 lb uplift at joint 4.
7) Girder carries tie-in span(s): 31-2-8 from 0-0-0 to 2-5-0; 35-10-8 from 2-5-0 to 9-8-8

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 6-7=-637(F=-607), 4-7=-735(F=-705)

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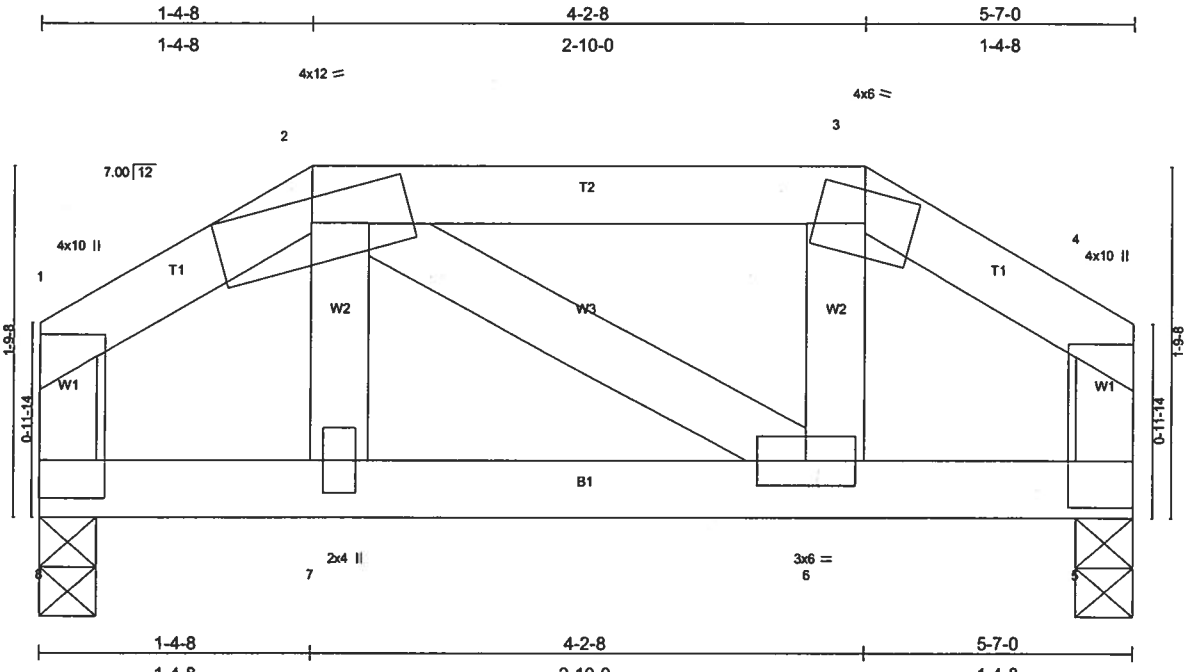
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0310061191

Job	Truss	Truss Type	Qty	Ply	AMY BAKER RESIDENCE
L150001	T31	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:11:37 2006 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	0.35	Vert(LL)	0.01	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.02	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 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 5-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 8=374/0-3-8, 5=374/0-3-8
Max Horz 8=-25(load case 2)
Max Uplift8=-138(load case 3), 5=-138(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-336/134, 2-3=-255/117, 3-4=-337/134, 1-8=-251/98, 4-5=-251/98
BOT CHORD 7-8=-119/242, 6-7=-121/254, 5-6=-97/243
WEBS 2-7=-36/119, 2-6=-24/24, 3-6=-38/125

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=17ft; 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 adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 8 and 138 lb uplift at joint 5.
5) Girder carries tie-in span(s): 5-0-0 from 0-0-0 to 5-7-0
6) Girder carries hip end with 1-4-8 right side setback, 1-4-8 left side setback, and 2-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10 lb down and 7 lb up at 4-2-8, and 10 lb down and 7 lb up at 1-4-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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=-50(F=4), 3-4=-54, 7-8=-87(F=-57), 6-7=-85(F=-55), 5-6=-87(F=-57)
Concentrated Loads (lb)
Vert: 7=-10(F) 6=-10(F)

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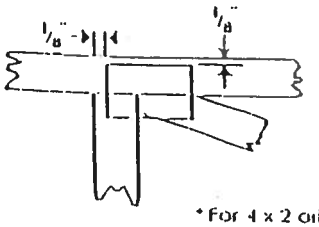
Symbols

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

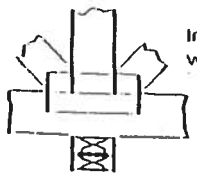
4 X 4

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

LATERAL BRACING

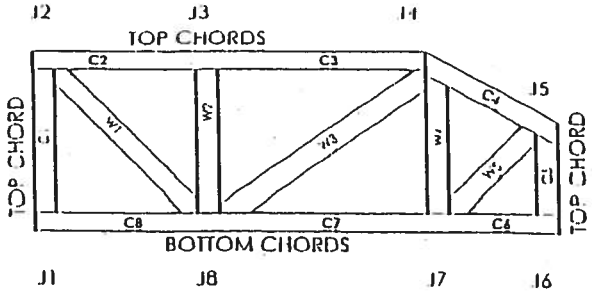
Indicates location of required continuous lateral bracing.

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/DILHR	960022-W, 970036-H
HER	561

MiTek®

TEE-LOK

HiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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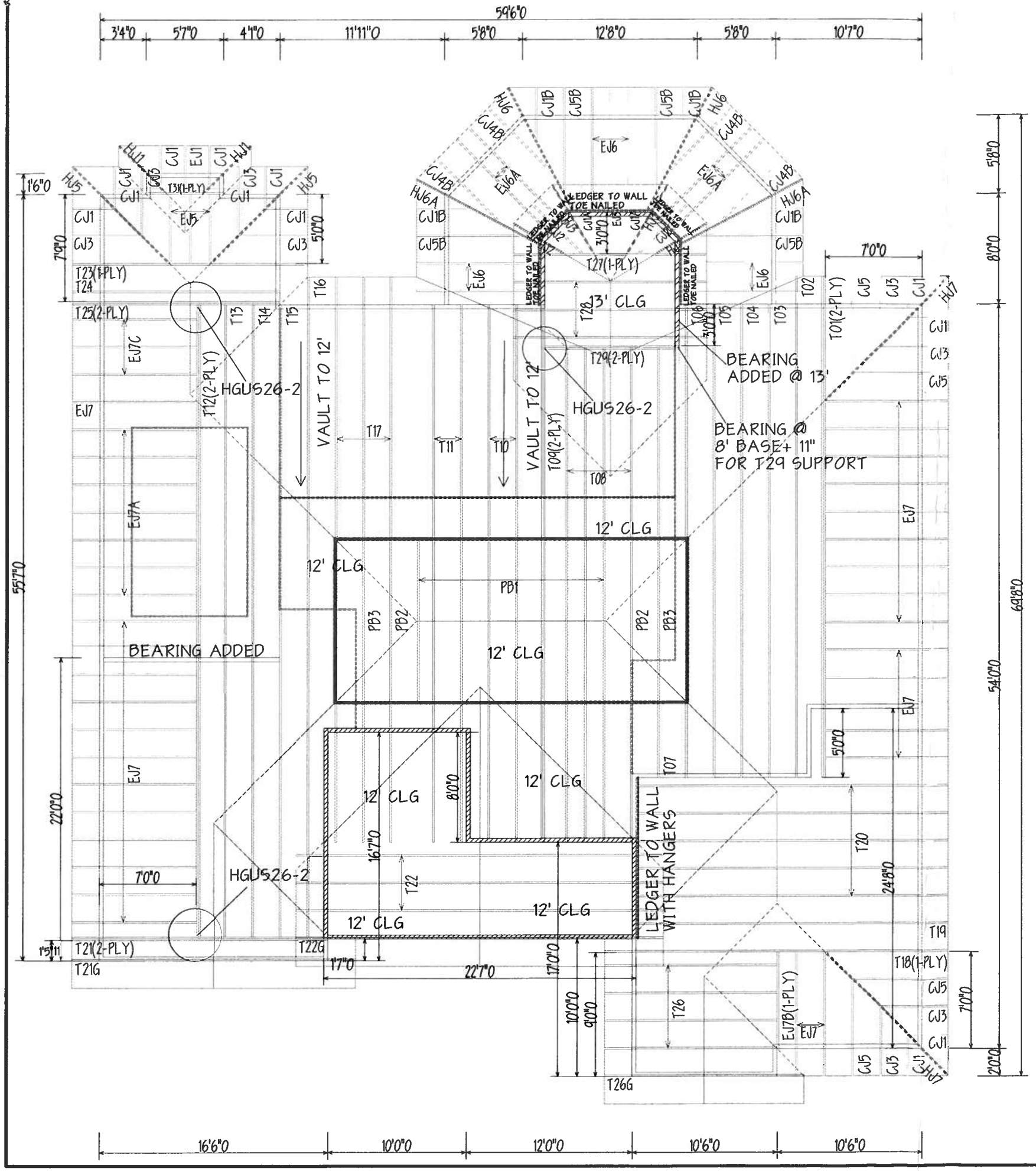

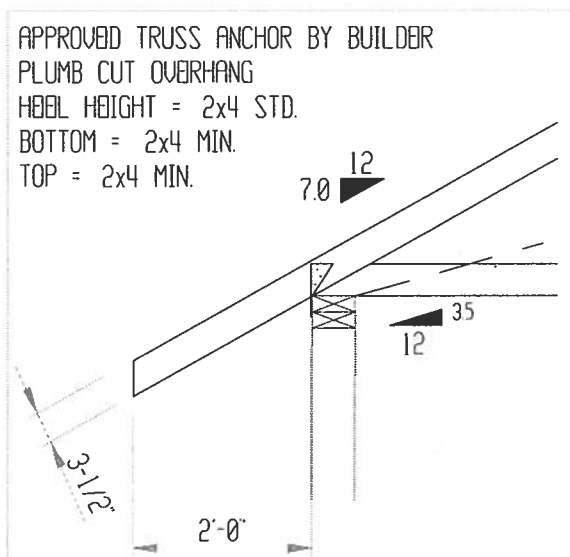

TRUSS END DETAIL

BEARING HEIGHT SCHEDULE

- 8'PLATE
- 12'PLATE
- 13'PLATE

HANGER SCHEDULE

22 - HTU26
3 - HGUS26-2

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Requested Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource

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

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

Lake City
PHONE: 904-755-6894 FAX: 904-755-7973

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

BUILDER: AMY BAKER

LEGAL ADDRESS: PERSONAL HOME

MODEL: | REVISION: | SCALE: NTS

DATE: | DRAWN BY: G.DORRIS | JOB #: L150001