DATE 12/21/2009

# Columbia County Building Permit

**This Permit Must Be Prominently Posted on Premises During Construction**

**PERMIT**
**000028293**

APPLICANT PAUL PHINNEY PHONE 386.984.0905

ADDRESS 385 SW PEACE ROAD LAKE CITY FL 32024

OWNER PAUL PHINNEY PHONE 386.984.0905

ADDRESS 160 SW FREEMAN GLN LAKE CITY FL 32024

CONTRACTOR PAUL PHINNEY PHONE 386.984.0905

LOCATION OF PROPERTY 47-S TO SOUTHWOOD S.D,TL TO FREEMAN GLN,TR AND IT'S THE 2ND L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 70150.00

HEATED FLOOR AREA 1313.00 TOTAL AREA 1403.00 HEIGHT 16.20 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT

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 01-5S-16-03390-013 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 1.00

| 000001779 | | | |
|---|---|---|---|
| Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor |
| WAIVER | 09-600-E | BLK | WR | N |
| Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident |

COMMENTS: QUALIFIED SPECIAL FAMILY LOT.ORIGINAL FAMILY MEMBER RESIDED ON PROPERTY. 1 FOOT ABOVE ROAD. NOC ON FILE.

Check # or Cash CASH

## 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 Insulation 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 Pool date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by

Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 355.00 CERTIFICATION FEE $ 7.02 SURCHARGE FEE $ 7.02

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ CULVERT FEE $ **TOTAL FEE** 419.04

INSPECTORS OFFICE 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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

AS PER DALE BURD - EXISTING WELL - ANDWELL DRILLERS, Inc.

12.21.09

# Columbia County Building Permit Application

For Office Use Only Application # 0912-12 Date Received 12/8 By JW Permit # 1779 : 28293

Zoning Official BLK Date 12.21.09 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1 Stabilized River N/A Plans Examiner WR Date 12/16/09

Comments Qualified Special Family Lot original family member resided on property

☑ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ~~☐ State Road Info~~ ☐ Parent Parcel #

☐ Dev Permit # ☐ ~~In Floodway~~ ☐ ~~Letter of Auth. from Contractor~~ ☐ F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL 0 SUSPENDED Replacing existing dwelling

Septic Permit No. 09-600E ☑ V Form Fax

Name Authorized Person Signing Permit Paul Phinney Phone 386-984-0905

Address 385 SW Peace rd. Lake City. FL 32024

Owners Name Paul Phinney Phone 386-984-0905

911 Address 160 SW Freeman Glen, Lake City. FL 32024

Contractors Name Paul Phinney Phone 386-984-0905

Address 385 SW Peace rd. Lake City. FL 32024

Fee Simple Owner Name & Address Paul Phinney 385 SW Peace rd. Lake City. FL 32024

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Nick Geisler 1748 NW Brown rd. Lake City. FL

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progress Energy

Property ID Number 01-5S-16-03390-013 Estimated Cost of Construction 40,000

Subdivision Name N/A Lot ___ Block ___ Unit ___ Phase ___

Driving Directions Hwy 47 S. from US90 approx 9 miles, TL into Southwood est. Sub., follow to freeman Glen, TR. second House on left.

Number of Existing Dwellings on Property 0

Construction of Single family Home Total Acreage 1 Lot Size 1 acre

Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive Total Building Height 16'2"

Actual Distance of Structure from Property Lines - Front 62 Side 52 Side 109 Rear 114

Number of Stories 1 Heated Floor Area 1313 Total Floor Area 1403 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.



left message

**TIME LIMITATIONS OF APPLICATION :** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**TIME LIMITATIONS OF PERMITS:** Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment:** According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full.
This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

**NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:** ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

**WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

**OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.**

**NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them.** These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

**(Owners Must Sign All Applications Before Permit Issuance.)**

Paul M
_____
**Owners Signature** ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

**CONTRACTORS AFFIDAVIT:** By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

_____ **Contractor's License Number**_____
**Contractor's Signature (Permitee)** **Columbia County**
**Competency Card Number**_____

**Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.**

**Personally known_____ or Produced Identification**_____

_____ **SEAL:**

**State of Florida Notary Signature (For the Contractor)**

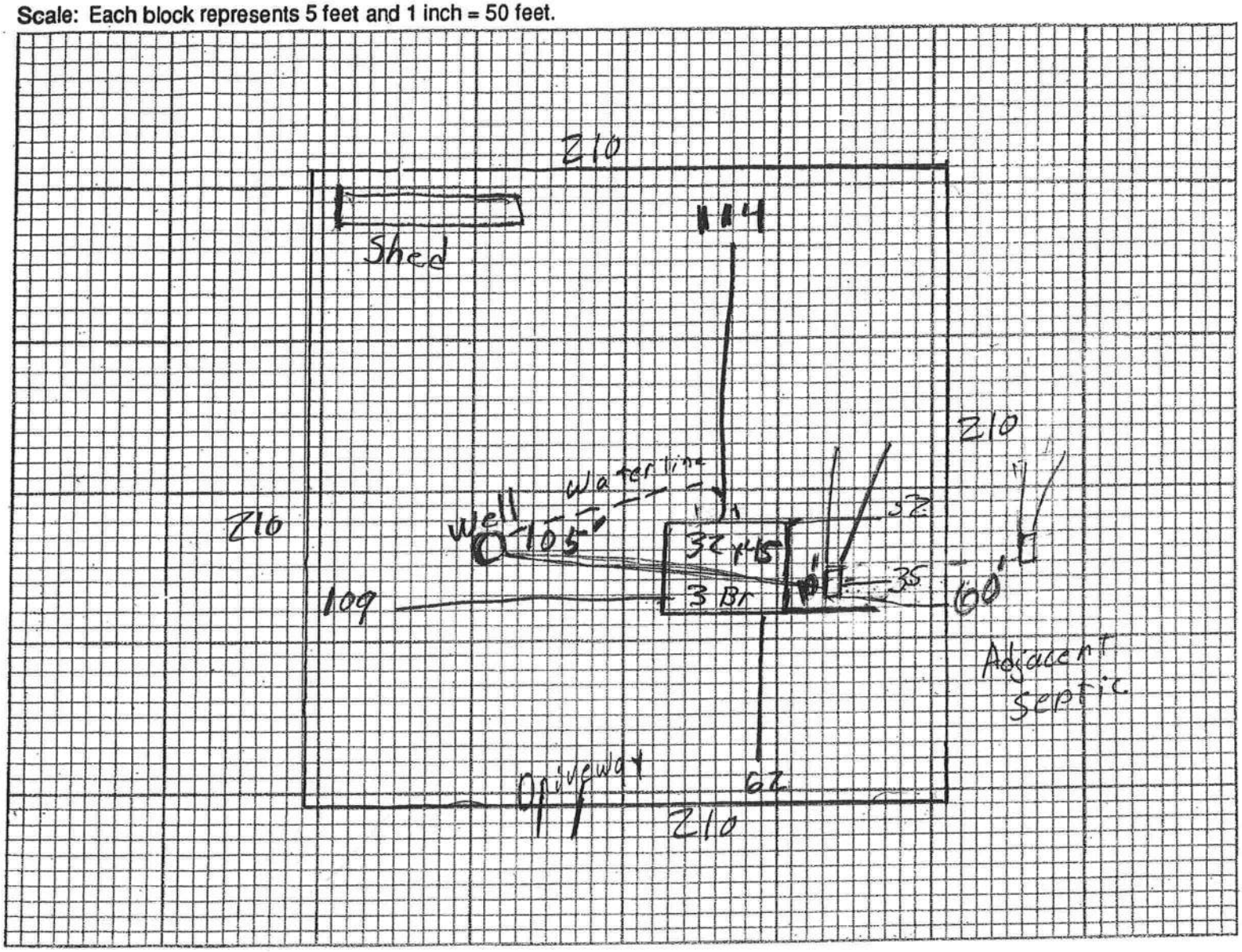
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-600-E

PART II - SITE PLAN

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




Notes: _____

Site Plan submitted by: Jane Wade - Agent
Signature

Title

Plan Approved X

Not Approved _____

Date 12/4/09

By _____ Calhoun County Health Department

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT**

DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)
(Stock Number: 5744-002-4015-6)

**This instrument prepared by**
**& return to**
**Paul Phinney**
**385 SW Peace Rd**
**Lake City, FL 32024**
**REC:**

Inst:200912021180 Date:12/21/2009 Time:4:42 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1186 P:425

**NOTICE OF COMMENCEMENT**

THE UNDERSIGNED hereby gives notice that improvements 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:

1. Description of Property -.
Parcel ID 01-5S-16-03390-013 -

2. General Description improvements – Residential New Construction, Single Family Dwelling

3. Owner Information:
a. Name & Address — Paul Phinney, 385 SW Peace Rd, Lake City, FL 32024

b. Interest in Property — Fee Simple

c. Name & Address of Fee simple title holder ( if other than owner) n/a

4. Contractor: — Paul Phinney, 385 SW Peace Rd, Lake City, FL 32024

5. Lender: n/a

6. Additional persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by section 713.13(1)(a)7., Florida Statutes

7. In addition to himself, The owner designates the following persons to receive a copy of the Lienor's Notice as provided in section 713.13(1)(b). Florida Statutes

8. Expiration date of Notice of Commencement is one (1) year from date of recording.

Paul Phinney

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 21th Day of December, 2009, RAA
By Paul Phinney who are personally known to me or did provide FL DL as identification.

NOTARY PUBLIC
Name: RoseAnn Aiello
My Commission Expires: 02/17/2013

ROSE ANN AIELLO
MY COMMISSION # DD 850864
EXPIRES: February 17, 2013
Bonded Thru Notary Public Underwriters

(NOC)

# COLUMBIA COUNTY
# 911 ADDRESSING / GIS DEPARTMENT

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

## ADDRESS ASSIGNMENT DATA

The Columbia County Board of County Commissioners has passed Ordinance 2001-9, which provides for a uniform numbering system. A copy of this ordinance is available in the Clerk of Court records, located in the courthouse. This new numbering system will increase the efficiency of POLICE, FIRE AND EMERGENCY MEDICAL vehicles responding to calls within Columbia County by immediately identifying the location of the caller.

**A Residential or Other Structure(s) on Parcel Number:**
01-5S-16-03390-013

**Address Assignment(s):**
**160 SW FREEMAN GLN, LAKE CITY, FL, 32024**

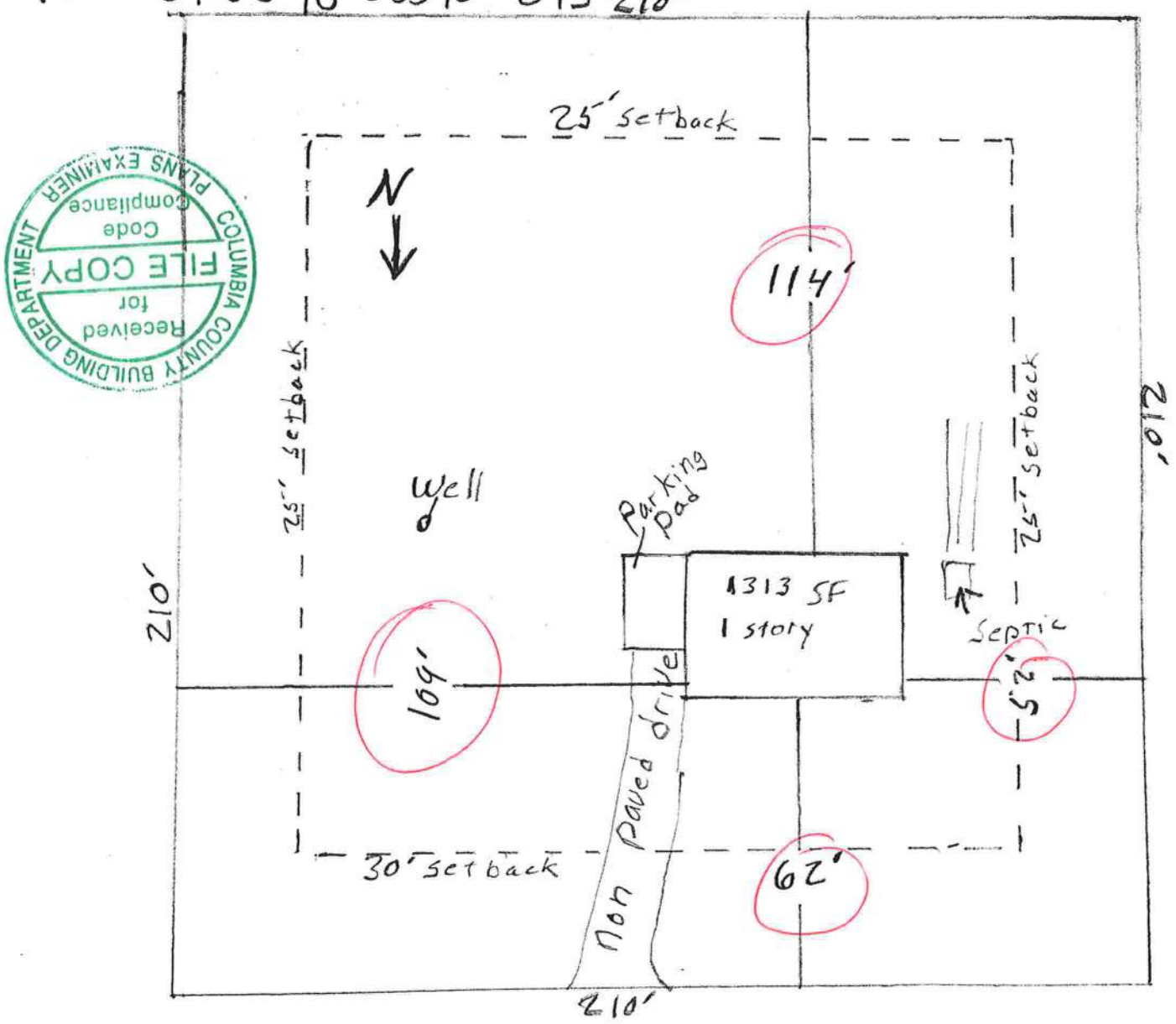
Note: Mobile home moved off property, permanent residence being constructed on property. No change necessary in the address assignment.

Any questions concerning this information should be referred to the Columbia County 911 Addressing / GIS Department at the address or telephone number above.

160 SW Freeman Glen, 1 Acre

COMM SE COR OF NW1/4, RUN W 210 FT FOR POB, CONT W 210 FT, N 210 FT, E 210 FT, S 210 FT TO POB. ORB 832-1554, CORR WD 1070-2682, WD 1070- 2684,WD 1165-894,CT 1180-970

Pid# 01-5S-16-03390-013






Freeman Glen

Record & Return to:
Prepared by & Return to:
Matt Rocco
Sierra Title, LLC
419 SW SR 247, Suite 109
Lake City, Florida 32025
File Number: 09-0913

# Corporate Warranty Deed

Inst:200912019498 Date:11/23/2009 Time:2:45 PM
Doc Stamp-Deed:175.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1184 P:1534

**This Indenture,** made , November 20, 2009 A.D.
**Between**
**Peoples State Bank** , Florida a corporation existing under the laws of the State of Florida, Grantor and **Paul Phinney, a married man,** whose post office address is: 385 SW Peace Dr., Lake City, Florida 32024, Grantee,

**Witnesseth,** that the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars ($10.00 ), to it in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the following described land, situate, lying and being in the County of Columbia, State of Florida, to wit:

**Portion of Section 1, Township 5 South, Range 16 East, Columbia County, Florida, described as follows:Commence at the Southeast corner of the Northwest 1/4 of said Section 1; thence run North 88° 55' 15" West along the South line of said Northwest 1/4, 210 feet to the Point of Beginning; thence continue North 88° 55' 15" West along the South line of said Northwest 1/4, 210 feet; thence run North 1° 41' 37" East, 210 feet; thence run South 88° 55' 15" East, 210 feet; thence run South 1° 41' 37" West, 210 feet to the Point of Beginning.**

**The above described property does not constitute the homestead property of the Grantor described herein.**

Subject to taxes for the current year, covenants, restrictions and easements of record, if any.

Parcel Identification Number: **03390-013**

**And** the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

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

**In Witness Whereof,** the said Grantor has caused this instrument to be executed in its name by its duly authorized officer and caused its corporate seal to be affixed the day and year first above written.

**Peoples State Bank**

***Signed and Sealed in Our Presence:***

By: _____
**Christopher Dampier**
**Its: Vice President**

Witness Print Name: **Marla M Landin**

Witness Print Name: **Jonathan Rocco**

**(Corporate Seal)**

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 20th day of November, 2009, by Christopher Dampier, the Vice President of Peoples State Bank A corporation existing under the laws of the State of Florida, on behalf of the corporation.
He/She is personally known to me or has produced FL DL as identification.

_____(Seal)
Notary Public
Notary Printed Name: **Jonathan Rocco**

Notary Public State of Florida
Jonathan Rocco
My Commission DD749681
Expires 01/17/2012

My Commission Expires::

WARRANTY DEED
INDIVID. TO INDIVID.

RANCO FORM 01

Return to: (enclose self addressed stamped envelope)

Name

Address

BK 0832 PG 1554

OFFICIAL RECORDS

This Instrument Prepared by
Name DONALD LITTLE
Address Rt. 9, Box 361, LC

96-18185

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY

1996 DEC 23 PM 3:08

CLERK OF CIRCUIT COURTS
COLUMBIA COUNTY, FLORIDA
BY M C Mease D.C.

Property Appraisers Parcel Identification
Folio Number(s)
Grantee(s) S.S. #(s) 589401555

DOCUMENTARY STAMP 70
INTANGIBLE TAX
P. DEWITT CASON, CLK 96
COLUMBIA COUNTY
MK DC

SPACE ABOVE THIS LINE FOR RECORDING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

**This Warranty Deed,** *Made the* 23 *day of* DECEMBER, 1996, *by* DONALD E. LITTLE AND KATHRYN E. LITTLE, a married couple, *hereinafter called the Grantor, to* DONALD E. LITTLE, JR., *whose post office address is* Rt. 9, Box 788, Lake City, Florida, 32055, *hereinafter called the Grantee*

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

**Witnesseth,** *That the Grantor, for and in consideration of the sum of $* _____ *and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee all that certain land, situate in* COLUMBIA *County, State of* FLORIDA, *viz:*

TOWNSHIP 5 SOUTH, RANGE 16 EAST
Commence at the Southeast Cornber of the NW 1/4 of Section 1, Townsh ip 5 South, Range 16 East, thence run North 88 deg. 55'15" West, along the South line of said NW 1/4 210 feet for the POINT OF BEGIN NING THENCE continue North 88 deg.55'15" West, along the South Line of said NW 1/4 210 feet, thence North 1 deg., 41'37" East, 210 feet thence South 1 deg. 41'37" West, 210 feet to the POINT OF BEGINNING

CONTAINING 1 acre more or less.

**Together,** *with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.* **To Have and to Hold,** *the same in fee simple forever.*

**And** *the Grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land, and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever. And that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 1996.*

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

*Signed, sealed and delivered in the presence of:*

Witness Signature (as to first Grantor) Sally Ann Bishop
Printed Name SALLY ANN BISHOP
Witness Signature (as to first Grantor)
Printed Name
Witness Signature (as to Co-Grantor, if any) Sally Ann Bishop
Printed Name SALLY ANN BISHOP
Witness Signature (as to Co-Grantor, if any)
Printed Name

Donald E. Little, Sr. L.S.
Grantor Signature DONALD E. LITTLE, SR
Printed Name
RT. 9, Box 788, Lake City, Fl
Post Office Address

Kathryn E. Little L.S.
Co-Grantor Signature (if any) KATHRYN E. LITTLE
Printed Name
Rt. 9, Box 788, Lake City, Fl
Post Office Address

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

I hereby Certify that on this day, before me, an officer duly authorized to administer oaths and take acknowledgments, personally appeared DONALD E. LITTLE, AND KATHRYN E. LITTLE, known to me to be the person S described in and who executed the foregoing instrument, who acknowledged before me that they executed the same, and an oath was not taken. (Check one:) ☐ Said person(s) is/are personally known to me ☐ Said person(s) provided the following type of identification: FL. D.L. L340-185-31-202

NOTARY SEAL STAMP ABOVE

Patricia A. Proctor
Notary Public, State of Florida
Commission No. CC 483185
My Commission Expires 09/25/99
(407)383-NOTARY - Fla. Notary Service & Bonding Co.

Witness my hand and official seal in the County and State last aforesaid this 23rd day of December A.D. 1996

Notary Signature
Printed Name

Ultra-Design Seminole Paper & Printing Co. Inc. 1994

COMM SE COR OF NW1/4, RUN W 210 FT FOR POB, CONT W 210 FT, N 210 FT, E 210 FT, S 210 FT TO POB. ORB 832-1554,

SCHLIMMER AUSTIN
5800 BEACH BLVD STE 203
JACKSONVILLE, FL 32207

01-5S-16-03390-013

Columbia County 2009 R
CARD 001 of 001
PRINTED 9/30/2009 10:06 BY JEFF
APPR 1/28/2004 TW

BUSE 000800 MOBILE HME AE? Y
MOD 2 MOBILE HME BATH 2.00
EXW 31 VINYL SID FIXT
% N/A BDRM 3
RSTR 03 GABLE/HIP RMS
RCVR 03 COMP SHNGL UNTS
% N/A C-W%
INTW 05 DRYWALL HGHT
% N/A PMTR
FLOR 14 CARPET STYS 1.0
10% 08 SHT VINYL ECON
HTTP 04 AIR DUCTED FUNC
A/C 03 CENTRAL SPCD
QUAL 05 05 DEPR 09
FNDN N/A UD-1 N/A
SIZE N/A UD-2 N/A
CEIL N/A UD-3 N/A
ARCH N/A UD-4 N/A
FRME 01 NONE UD-5 N/A
KTCH 01 01 UD-6 N/A
WNDO N/A UD-7 N/A
CLAS N/A UD-8 N/A
OCC N/A UD-9 N/A
COND 03 03 % N/A

| SUB | A-AREA | % | E-AREA | SUB VALUE |
|---|---|---|---|---|
| BAS97 | 1216 | 100 | 1216 | 26260 |
| TOTAL | 1216 | | 1216 | 26260 |

1216 HTD AREA 113.900 INDEX 1516.00 DIST 3
1216 EFF AREA 27.336 E-RATE 100.000 INDX
33241 RCN 1998 AYB
79.00 %GOOD 26,260 B BLDG VAL 1998 EYB

FIELD CK:
LOC: 160 FREEMAN GLN SW LAKE CITY

IBAS1997 I
1 1
6 6

PUSE 000200 MOBILE HOME
STR 1- 5S-16E
MKT AREA 01
(PUD1
AC 1.000
NTCD
APPR CD
CNDO
SUBD
BLK
LOT
MAP#
TXDT 003

| | |
|---|---|
| BLDG | 26,260 |
| XFOB | 5,316 |
| LAND | 26,300 |
| AG | 0 |
| MKAG | 0 |
| JUST | 57,876 |
| CLAS | 0 |
| SOHD | 0 |
| ASSD | 0 |
| EXPT | 0 |
| COTXBL | 0 |

BLDG TRAVERSE
BAS1997=W76 S16 E76 N16$.

PERMITS

| NUMBER | DESC | AMT | ISSUED |
|---|---|---|---|
| 13039 | M H | 125 | 9/10/1997 |

SALE

| BOOK | PAGE | DATE | | | PRICE |
|---|---|---|---|---|---|
| 1165 | 894 | 12/30/2008 | Q | I | 52000 |
| GRANTOR COMPASS BUILDERS & ASSOC CORP | | | | | |
| GRANTEE AUSTIN SCHLIMMER | | | | | |
| 1070 | 2684 | 1/12/2006 | Q | I | 65000 |
| GRANTOR DONALD E LITTLE | | | | | |
| GRANTEE COMPASS BUILDERS & ASSOCIATES CORP | | | | | |

EXTRA FEATURES

| AE | BN | CODE | DESC | LEN | WID | HGHT | QTY | QL | YR | ADJ | UNITS | UT | PRICE | ADJ UT PR | SPCD % | %GOOD | XFOB VALUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y | | 0120 | CLFENCE 4 | 36 | 8 | | 1 | | 1998 | 1.00 | 288.000 | SF | 4.500 | 4.500 | | 100.00 | 1,296 |
| Y | | 0294 | SHED WOOD/VI | 8 | 12 | | 1 | | 1998 | 1.00 | 1.000 | UT | 720.000 | 720.000 | | 100.00 | 720 |
| Y | | 0040 | BARN,POLE | 15 | 88 | | 1 | | 1998 | 1.00 | 1320.000 | SF | 2.500 | 2.500 | | 100.00 | 3,300 |

FIELD CK:

| AE | LAND CODE | DESC | ZONE | TOPO | ROAD | UTIL | UD1 | UD2 | UD3 | UD4 | FRONT | BACK | DEPTH | DT | ADJUSTMENTS | UNITS | UT | PRICE | ADJ UT PR | LAND VALUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y | 000200 | MBL HM | A-1 | | 0002 | | | | | | 1.00 | 1.00 | 1.00 | .90 | | 1.000 | AC | 27000.000 | 24300.00 | 24,300 |
| Y | 009945 | WELL/SEPT | 00 | | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | | 1.000 | UT | 2000.000 | 2000.00 | 2,000 |

FORM 600A-2004R

EnergyGauge® 4.5.2

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

## Residential Whole Building Performance Method A

| | | | |
|---|---|---|---|
| Project Name: | **- 1300 Model** | Builder: | |
| Address: | **Lot: , Sub: , Plat:** 160 Freeman | Permitting Office: | Columbia |
| City, State: | **Lake City, FL 32025-** | Permit Number: | 28293 |
| Owner: | | Jurisdiction Number: | 221000 |
| Climate Zone: | **North** | | |

| | | | |
|---|---|---|---|
| 1. New construction or existing | New | 12. Cooling systems | |
| 2. Single family or multi-family | Single family | a. Central Unit | Cap: 25.0 kBtu/hr |
| 3. Number of units, if multi-family | 1 | | SEER: 13.00 |
| 4. Number of Bedrooms | 3 | b. N/A | |
| 5. Is this a worst case? | No | | |
| 6. Conditioned floor area (ft²) | 1313 ft² | c. N/A | |
| 7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default) | | | |
| a. U-factor: | Description Area | 13. Heating systems | |
| (or Single or Double DEFAULT) 7a. | (Dble Default) 163.0 ft² | a. Electric Heat Pump | Cap: 25.0 kBtu/hr |
| b. SHGC: | | | HSPF: 7.70 |
| (or Clear or Tint DEFAULT) 7b. | (Clear) 163.0 ft² | b. N/A | |
| 8. Floor types | | | |
| a. Slab-On-Grade Edge Insulation | R=5.0, 166.0(p) ft | c. N/A | |
| b. N/A | | | |
| c. N/A | | 14. Hot water systems | |
| 9. Wall types | | a. Electric Resistance | Cap: 50.0 gallons |
| a. Frame, Wood, Exterior | R=13.0, 1125.0 ft² | | EF: 0.92 |
| b. N/A | | b. N/A | |
| c. N/A | | | |
| d. N/A | | c. Conservation credits | |
| e. N/A | | (HR-Heat recovery, Solar | |
| 10. Ceiling types | | DHP-Dedicated heat pump) | |
| a. Under Attic | R=30.0, 1350.0 ft² | 15. HVAC credits | PT, |
| b. N/A | | (CF-Ceiling fan, CV-Cross ventilation, | |
| c. N/A | | HF-Whole house fan, | |
| 11. Ducts | | PT-Programmable Thermostat, | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 30.0 ft | MZ-C-Multizone cooling, | |
| b. N/A | | MZ-H-Multizone heating) | |

Glass/Floor Area: 0.12

Total as-built points: 18078

Total base points: 20233

**PASS**

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

**PREPARED BY:** _____

**DATE:** 1-30-08

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

**BUILDING OFFICIAL:** _____

**DATE:** _____

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

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, FL, 32025-** 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 | 1313.0 | 18.59 | 4394.0 | 1.Double, Clear | W | 1.5 | 8.0 | 15.0 | 38.52 | 0.96 | 553.0 | |
| | | | | 2.Double, Clear | W | 1.5 | 8.0 | 18.0 | 38.52 | 0.96 | 664.0 | |
| | | | | 3.Double, Clear | W | 1.5 | 8.0 | 40.0 | 38.52 | 0.96 | 1476.0 | |
| | | | | 4.Double, Clear | E | 1.5 | 8.0 | 60.0 | 42.06 | 0.96 | 2416.0 | |
| | | | | 5.Double, Clear | E | 5.5 | 8.0 | 30.0 | 42.06 | 0.62 | 782.0 | |
| | | | | **As-Built Total:** | | | | **163.0** | | | **5891.0** | |
| **WALL TYPES** | Area X | BSPM = | Points | Type | | | R-Value | Area X | SPM = | | Points | |
| Adjacent | 0.0 | 0.00 | 0.0 | 1. Frame, Wood, Exterior | | | 13.0 | 1125.0 | 1.50 | | 1687.5 | |
| Exterior | 1125.0 | 1.70 | 1912.5 | | | | | | | | | |
| **Base Total:** | **1125.0** | | **1912.5** | **As-Built Total:** | | | | **1125.0** | | | **1687.5** | |
| **DOOR TYPES** | Area X | BSPM = | Points | Type | | | | Area X | SPM = | | Points | |
| Adjacent | 0.0 | 0.00 | 0.0 | 1.Exterior Insulated | | | | 40.0 | 4.10 | | 164.0 | |
| Exterior | 40.0 | 6.10 | 244.0 | | | | | | | | | |
| **Base Total:** | **40.0** | | **244.0** | **As-Built Total:** | | | | **40.0** | | | **164.0** | |
| **CEILING TYPES** | Area X | BSPM = | Points | Type | | | R-Value | Area X | SPM X SCM = | | Points | |
| Under Attic | 1313.0 | 1.73 | 2271.5 | 1. Under Attic | | | 30.0 | 1350.0 | 1.73 X 1.00 | | 2335.5 | |
| **Base Total:** | **1313.0** | | **2271.5** | **As-Built Total:** | | | | **1350.0** | | | **2335.5** | |
| **FLOOR TYPES** | Area X | BSPM = | Points | Type | | | R-Value | Area X | SPM = | | Points | |
| Slab | 166.0(p) | -37.0 | -6142.0 | 1. Slab-On-Grade Edge Insulation | | | 5.0 | 166.0(p | -36.20 | | -6009.2 | |
| Raised | 0.0 | 0.00 | 0.0 | | | | | | | | | |
| **Base Total:** | | | **-6142.0** | **As-Built Total:** | | | | **166.0** | | | **-6009.2** | |
| **INFILTRATION** | Area X | BSPM = | Points | | | | | Area X | SPM = | | Points | |
| | 1313.0 | 10.21 | 13405.7 | | | | | 1313.0 | 10.21 | | 13405.7 | |

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, FL, 32025-** PERMIT #:

| BASE | | | AS-BUILT | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Summer Base Points: 16085.7** | | | **Summer As-Built Points:** | | | | | **17474.5** |
| 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 |
| | | | (sys 1: Central Unit 25000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) | | | | | |
| **16085.7** | **0.3250** | **5227.9** | 17475<br>**17474.5** | 1.00<br>**1.00** | (1.09 x 1.147 x 0.91)<br>**1.138** | 0.260<br>**0.260** | 0.950<br>**0.950** | 4910.6<br>**4910.6** |

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, FL, 32025-** PERMIT #:

| BASE | | | | AS-BUILT | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GLASS TYPES** .18 X Conditioned Floor Area | X BWPM | = Points | | Type/SC | Overhang Ornt | Len | Hgt | Area X | WPM X | WOF | = Points | |
| .18 | 1313.0 | 20.17 | 4767.0 | 1.Double, Clear | W | 1.5 | 8.0 | 15.0 | 20.73 | 1.01 | 314.0 | |
| | | | | 2.Double, Clear | W | 1.5 | 8.0 | 18.0 | 20.73 | 1.01 | 377.0 | |
| | | | | 3.Double, Clear | W | 1.5 | 8.0 | 40.0 | 20.73 | 1.01 | 838.0 | |
| | | | | 4.Double, Clear | E | 1.5 | 8.0 | 60.0 | 18.79 | 1.02 | 1149.0 | |
| | | | | 5.Double, Clear | E | 5.5 | 8.0 | 30.0 | 18.79 | 1.19 | 670.0 | |
| | | | | **As-Built Total:** | | | | **163.0** | | | **3348.0** | |
| **WALL TYPES** | Area X | BWPM = | Points | Type | | | R-Value | Area X | WPM = | | Points | |
| Adjacent | 0.0 | 0.00 | 0.0 | 1. Frame, Wood, Exterior | | | 13.0 | 1125.0 | 3.40 | | 3825.0 | |
| Exterior | 1125.0 | 3.70 | 4162.5 | | | | | | | | | |
| **Base Total:** | **1125.0** | | **4162.5** | **As-Built Total:** | | | | **1125.0** | | | **3825.0** | |
| **DOOR TYPES** | Area X | BWPM = | Points | Type | | | | Area X | WPM = | | Points | |
| Adjacent | 0.0 | 0.00 | 0.0 | 1.Exterior Insulated | | | | 40.0 | 8.40 | | 336.0 | |
| Exterior | 40.0 | 12.30 | 492.0 | | | | | | | | | |
| **Base Total:** | **40.0** | | **492.0** | **As-Built Total:** | | | | **40.0** | | | **336.0** | |
| **CEILING TYPES** | Area X | BWPM = | Points | Type | | | R-Value | Area X | WPM X | WCM = | Points | |
| Under Attic | 1313.0 | 2.05 | 2691.6 | 1. Under Attic | | | 30.0 | 1350.0 | 2.05 X | 1.00 | 2767.5 | |
| **Base Total:** | **1313.0** | | **2691.6** | **As-Built Total:** | | | | **1350.0** | | | **2767.5** | |
| **FLOOR TYPES** | Area X | BWPM = | Points | Type | | | R-Value | Area X | WPM = | | Points | |
| Slab | 166.0(p) | 8.9 | 1477.4 | 1. Slab-On-Grade Edge Insulation | | | 5.0 | 166.0(p | 7.60 | | 1261.6 | |
| Raised | 0.0 | 0.00 | 0.0 | | | | | | | | | |
| **Base Total:** | | | **1477.4** | **As-Built Total:** | | | | **166.0** | | | **1261.6** | |
| **INFILTRATION** | Area X | BWPM = | Points | | | | | Area X | WPM = | | Points | |
| | 1313.0 | -0.59 | -774.7 | | | | | 1313.0 | -0.59 | | -774.7 | |

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, FL, 32025-** PERMIT #:

| BASE | | | AS-BUILT | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Winter Base Points:** | | **12815.9** | **Winter As-Built Points:** | | | | | **10763.4** |
| Total Winter Points | X System Multiplier | = Heating Points | Total Component (System - Points) | X Cap Ratio | X Duct Multiplier (DM x DSM x AHU) | X System Multiplier | X Credit Multiplier | = Heating Points |
| | | | (sys 1: Electric Heat Pump 25000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0 | | | | | |
| **12815.9** | **0.5540** | **7100.0** | 10763.4 **10763.4** | 1.000 **1.00** | (1.069 x 1.169 x 0.93) **1.162** | 0.443 **0.443** | 0.950 **0.950** | 5262.8 **5262.8** |

FORM 600A-2004R

EnergyGauge® 4.5.2

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, FL, 32025-** 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 | 0.92 | 3 | 1.00 | 2635.00 | 1.00 | 7905.0 | |
| | | | | **As-Built Total:** | | | | | | **7905.0** | |

## CODE COMPLIANCE STATUS

| BASE | | | | AS-BUILT | | | |
|---|---|---|---|---|---|---|---|
| Cooling Points | + Heating Points | + Hot Water Points | = Total Points | Cooling Points | + Heating Points | + Hot Water Points | = Total Points |
| **5228** | **7100** | **7905** | **20233** | **4911** | **5263** | **7905** | **18078** |

# PASS

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: , Lake City, FL, 32025-** 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 cir 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. | |

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE* = 86.2**

**The higher the score, the more efficient the home.**

Spec House, Lot: , Sub: , Plat: , Lake City, FL, 32025-

| | | | | | |
|---|---|---|---|---|---|
| 1. | New construction or existing | New | | 12. | Cooling systems | |
| 2. | Single family or multi-family | Single family | | a. | Central Unit | Cap: 25.0 kBtu/hr |
| 3. | Number of units, if multi-family | 1 | | | | SEER: 13.00 |
| 4. | Number of Bedrooms | 3 | | b. | N/A | |
| 5. | Is this a worst case? | No | | | | |
| 6. | Conditioned floor area (ft²) | 1313 ft² | | c. | N/A | |
| 7. | Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default) | | | | | |
| a. | U-factor: | Description Area | | 13. | Heating systems | |
| | (or Single or Double DEFAULT) | 7a. (Dble Default) 163.0 ft² | | a. | Electric Heat Pump | Cap: 25.0 kBtu/hr |
| b. | SHGC: | | | | | HSPF: 7.70 |
| | (or Clear or Tint DEFAULT) | 7b. (Clear) 163.0 ft² | | b. | N/A | |
| 8. | Floor types | | | | | |
| a. | Slab-On-Grade Edge Insulation | R=5.0, 166.0(p) ft | | c. | N/A | |
| b. | N/A | | | | | |
| c. | N/A | | | 14. | Hot water systems | |
| 9. | Wall types | | | a. | Electric Resistance | Cap: 50.0 gallons |
| a. | Frame, Wood, Exterior | R=13.0, 1125.0 ft² | | | | EF: 0.92 |
| b. | N/A | | | b. | N/A | |
| c. | N/A | | | | | |
| d. | N/A | | | c. | Conservation credits | |
| e. | N/A | | | | (HR-Heat recovery, Solar | |
| 10. | Ceiling types | | | | DHP-Dedicated heat pump) | |
| a. | Under Attic | R=30.0, 1350.0 ft² | | 15. | HVAC credits | PT, |
| b. | N/A | | | | (CF-Ceiling fan, CV-Cross ventilation, | |
| c. | N/A | | | | HF-Whole house fan, | |
| 11. | Ducts | | | | PT-Programmable Thermostat, | |
| a. | Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 30.0 ft | | | MZ-C-Multizone cooling, | |
| b. | N/A | | | | MZ-H-Multizone heating) | |

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.

**COLUMBIA COUNTY BUILDING DEPARTMENT**
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

## OWNER BUILDER DISCLOSURE STATEMENT

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed $75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased with in 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I 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 my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address http://www.myflorida.com/dbpr/pro/cilb/index.html for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

_____.

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual of firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of $300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of $100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

**TYPE OF CONSTRUCTION**

(✓) Single Family Dwelling ( ) Two-Family Residence ( ) Farm Outbuilding

( ) Addition, Alteration, Modification or other Improvement

( ) Commercial, Cost of Construction_____ Construction of_____

( ) Other_____

I Paul Phinney, 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 allowing this exception for the construction permitted by Columbia County Building Permit.

Paul Phinney 12/8/09

Owner Builder Signature Date

**NOTARY OF OWNER BUILDER SIGNATURE**

The above signer is personally known to me or produced identification DL

Notary Signature Gale Tedder Date 12/8/09

(Seal) GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

**FOR BUILDING DEPARTMENT USE ONLY**

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

Building Official/Representative_____

Revised: 7-23-09
DISCLOSURE STATEMENT 09
Documents: B&Z Forms

**SUBCONTRACTOR VERIFICATION FORM**

APPLICATION NUMBER _____ CONTRACTOR Paul Phinney PHONE 386-984-0905

**THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT**

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

***Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.***

| | | |
|---|---|---|
| **ELECTRICAL** | Print Name Paul Phinney - owner<br>License #: N/A | Signature<br>Phone #: |
| **MECHANICAL/ A/C** _____ | Print Name Paul Phinney - owner<br>License #: N/A | Signature<br>Phone #: |
| **PLUMBING/ GAS** | Print Name Paul Phinney - owner<br>License #: N/A | Signature<br>Phone #: |
| **ROOFING** | Print Name Paul Phinney - owner<br>License #: N/A | Signature<br>Phone #: |
| **SHEET METAL** | Print Name<br>License #: | Signature<br>Phone #: |
| **FIRE SYSTEM/ SPRINKLER** | Print Name<br>License#: | Signature<br>Phone #: |
| **SOLAR** | Print Name<br>License #: | Signature<br>Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | | Paul Phinney | |
| CONCRETE FINISHER | | | |
| FRAMING | | | |
| INSULATION | | | |
| STUCCO | | | |
| DRYWALL | | | |
| PLASTER | | | |
| CABINET INSTALLER | | | |
| PAINTING | | | |
| ACOUSTICAL CEILING | | | |
| GLASS | | | |
| CERAMIC TILE | | | |
| FLOOR COVERING | | | |
| ALUM/VINYL SIDING | | | |
| GARAGE DOOR | | | |
| METAL BLDG ERECTOR | | | |

**F. S. 440.103 Building permits; identification of minimum premium policy.**--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

# Residential System Sizing Calculation

## Summary

Project Title:
- 1300 Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

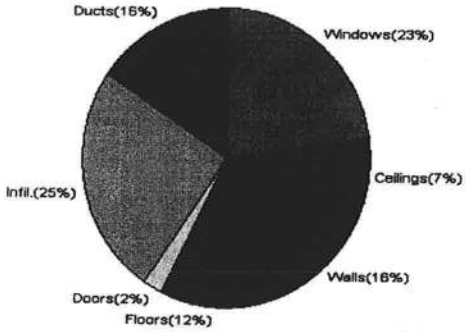
1/30/2008

| Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) | | | | | |
|---|---|---|---|---|---|
| Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.) | | | | | |
| Winter design temperature | 33 | F | Summer design temperature | 92 | F |
| Winter setpoint | 70 | F | Summer setpoint | 75 | F |
| Winter temperature difference | 37 | F | Summer temperature difference | 17 | F |
| **Total heating load calculation** | **23021** | **Btuh** | **Total cooling load calculation** | **34311** | **Btuh** |
| Submitted heating capacity | % of calc | Btuh | Submitted cooling capacity | % of calc | Btuh |
| Total (Electric Heat Pump) | 108.6 | 25000 | Sensible (SHR = 0.75) | 67.6 | 18750 |
| Heat Pump + Auxiliary(0.0kW) | 108.6 | 25000 | Latent | 94.9 | 6250 |
| | | | Total (Electric Heat Pump) | 72.9 | 25000 |

## WINTER CALCULATIONS

Winter Heating Load (for 1313 sqft)

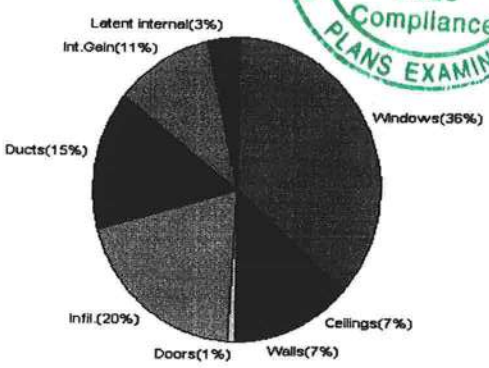
| Load component | | | Load | |
|---|---|---|---|---|
| Window total | 163 | sqft | 5247 | Btuh |
| Wall total | 1125 | sqft | 3695 | Btuh |
| Door total | 40 | sqft | 518 | Btuh |
| Ceiling total | 1350 | sqft | 1591 | Btuh |
| Floor total | 166 | sqft | 2715 | Btuh |
| Infiltration | 140 | cfm | 5673 | Btuh |
| Duct loss | | | 3583 | Btuh |
| **Subtotal** | | | **23021** | **Btuh** |
| Ventilation | 0 | cfm | 0 | Btuh |
| **TOTAL HEAT LOSS** | | | **23021** | **Btuh** |




## SUMMER CALCULATIONS

Summer Cooling Load (for 1313 sqft)

| Load component | | | Load | |
|---|---|---|---|---|
| Window total | 163 | sqft | 12487 | Btuh |
| Wall total | 1125 | sqft | 2347 | Btuh |
| Door total | 40 | sqft | 392 | Btuh |
| Ceiling total | 1350 | sqft | 2236 | Btuh |
| Floor total | | | 0 | Btuh |
| Infiltration | 123 | cfm | 2281 | Btuh |
| Internal gain | | | 3780 | Btuh |
| Duct gain | | | 4207 | Btuh |
| Sens. Ventilation | 0 | cfm | 0 | Btuh |
| **Total sensible gain** | | | **27728** | **Btuh** |
| Latent gain(ducts) | | | 904 | Btuh |
| Latent gain(infiltration) | | | 4479 | Btuh |
| Latent gain(ventilation) | | | 0 | Btuh |
| Latent gain(internal/occupants/other) | | | 1200 | Btuh |
| **Total latent gain** | | | **6583** | **Btuh** |
| **TOTAL HEAT GAIN** | | | **34311** | **Btuh** |






Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 1-30-08

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Proiect Title: - 1300 Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/30/2008

**Component Loads for Whole House**

| | | | | | |
|---|---|---|---|---|---|
| **Window** | Panes/SHGC/Frame/U | Orientation | Area(sqft) X | HTM= | Load |
| 1 | 2, Clear, Metal, 0.87 | W | 15.0 | 32.2 | 483 Btuh |
| 2 | 2, Clear, Metal, 0.87 | W | 18.0 | 32.2 | 579 Btuh |
| 3 | 2, Clear, Metal, 0.87 | W | 40.0 | 32.2 | 1288 Btuh |
| 4 | 2, Clear, Metal, 0.87 | E | 60.0 | 32.2 | 1931 Btuh |
| 5 | 2, Clear, Metal, 0.87 | E | 30.0 | 32.2 | 966 Btuh |
| | Window Total | | 163(sqft) | | 5247 Btuh |
| **Walls** | Type | R-Value | Area X | HTM= | Load |
| 1 | Frame - Wood - Ext(0.09) | 13.0 | 1125 | 3.3 | 3695 Btuh |
| | Wall Total | | 1125 | | 3695 Btuh |
| **Doors** | Type | | Area X | HTM= | Load |
| 1 | Insulated - Exterior | | 40 | 12.9 | 518 Btuh |
| | Door Total | | 40 | | 518Btuh |
| **Ceilings** | Type/Color/Surface | R-Value | Area X | HTM= | Load |
| 1 | Vented Attic/D/Shin | 30.0 | 1350 | 1.2 | 1591 Btuh |
| | Ceiling Total | | 1350 | | 1591Btuh |
| **Floors** | Type | R-Value | Size X | HTM= | Load |
| 1 | Slab On Grade | 5 | 166.0 ft(p) | 16.4 | 2715 Btuh |
| | Floor Total | | 166 | | 2715 Btuh |
| | | | Envelope Subtotal: | | 13765 Btuh |
| **Infiltration** | Type | ACH X | Volume(cuft) | walls(sqft) CFM= | |
| | Natural | 0.80 | 10504 | 1125 140.1 | 5673 Btuh |
| **Ductload** | | | | (DLM of 0.184) | 3583 Btuh |
| **All Zones** | | | **Sensible Subtotal All Zones** | | **23021 Btuh** |

**WHOLE HOUSE TOTALS**

| | | |
|---|---|---|
| | Subtotal Sensible | 23021 Btuh |
| | Ventilation Sensible | 0 Btuh |
| | Total Btuh Loss | 23021 Btuh |

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Project Title:
- 1300 Model

Lake City, FL 32025-

Code Only
Professional Version
Climate: North

1/30/2008

| EQUIPMENT | | |
|---|---|---|
| 1. Electric Heat Pump | # | 25000 Btuh |

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 )

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# System Sizing Calculations - Winter

## Residential Load - Room by Room Component Details

Project Title: - 1300 Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/30/2008

**Component Loads for Zone #1: Main**

| Window | Panes/SHGC/Frame/U | Orientation | Area(sqft) X | HTM= | Load |
|---|---|---|---|---|---|
| 1 | 2, Clear, Metal, 0.87 | W | 15.0 | 32.2 | 483 Btuh |
| 2 | 2, Clear, Metal, 0.87 | W | 18.0 | 32.2 | 579 Btuh |
| 3 | 2, Clear, Metal, 0.87 | W | 40.0 | 32.2 | 1288 Btuh |
| 4 | 2, Clear, Metal, 0.87 | E | 60.0 | 32.2 | 1931 Btuh |
| 5 | 2, Clear, Metal, 0.87 | E | 30.0 | 32.2 | 966 Btuh |
| | Window Total | | 163(sqft) | | 5247 Btuh |
| **Walls** | Type | R-Value | Area X | HTM= | Load |
| 1 | Frame - Wood - Ext(0.09) | 13.0 | 1125 | 3.3 | 3695 Btuh |
| | Wall Total | | 1125 | | 3695 Btuh |
| **Doors** | Type | | Area X | HTM= | Load |
| 1 | Insulated - Exterior | | 40 | 12.9 | 518 Btuh |
| | Door Total | | 40 | | 518Btuh |
| **Ceilings** | Type/Color/Surface | R-Value | Area X | HTM= | Load |
| 1 | Vented Attic/D/Shin | 30.0 | 1350 | 1.2 | 1591 Btuh |
| | Ceiling Total | | 1350 | | 1591Btuh |
| **Floors** | Type | R-Value | Size X | HTM= | Load |
| 1 | Slab On Grade | 5 | 166.0 ft(p) | 16.4 | 2715 Btuh |
| | Floor Total | | 166 | | 2715 Btuh |
| | | | Zone Envelope Subtotal: | | 13765 Btuh |
| **Infiltration** | Type | ACH X | Volume(cuft) | walls(sqft) | CFM= |
| | Natural | 0.80 | 10504 | 1125 | 140.1 |
| | | | | | 5673 Btuh |
| **Ductload** | Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.184) | | | | 3583 Btuh |
| **Zone #1** | | | **Sensible Zone Subtotal** | | **23021 Btuh** |

**WHOLE HOUSE TOTALS**

| | | |
|---|---|---|
| | Subtotal Sensible | 23021 Btuh |
| | Ventilation Sensible | 0 Btuh |
| | Total Btuh Loss | 23021 Btuh |

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Project Title:
- 1300 Model

Lake City, FL 32025-

Code Only
Professional Version
Climate: North

1/30/2008

| EQUIPMENT | | |
|---|---|---|
| 1. Electric Heat Pump | # | 25000 Btuh |

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 )

Version 8
For Florida residences only

# System Sizing Calculations - Summer

## Residential Load - Whole House Component Details

Project Title: - 1300 Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

1/30/2008

**Component Loads for Whole House**

| | Type* | | Overhang | | Window Area(sqft) | | | HTM | | Load |
|---|---|---|---|---|---|---|---|---|---|---|
| **Window** | Pn/SHGC/U/InSh/ExSh/IS | Ornt | Len | Hgt | Gross | Shaded | Unshaded | Shaded | Unshaded | |
| 1 | 2, Clear, 0.87, None,N,N | W | 1.5ft | 8ft. | 15.0 | 0.0 | 15.0 | 29 | 80 | 1193 Btuh |
| 2 | 2, Clear, 0.87, None,N,N | W | 1.5ft | 8ft. | 18.0 | 0.0 | 18.0 | 29 | 80 | 1431 Btuh |
| 3 | 2, Clear, 0.87, None,N,N | W | 1.5ft | 8ft. | 40.0 | 0.0 | 40.0 | 29 | 80 | 3181 Btuh |
| 4 | 2, Clear, 0.87, None,N,N | E | 1.5ft | 8ft. | 60.0 | 0.0 | 60.0 | 29 | 80 | 4771 Btuh |
| 5 | 2, Clear, 0.87, None,N,N | E | 5.5ft | 8ft. | 30.0 | 9.4 | 20.6 | 29 | 80 | 1911 Btuh |
| | Window Total | | | | 163 (sqft) | | | | | 12487 Btuh |
| **Walls** | Type | | R-Value/U-Value | | Area(sqft) | | | HTM | | Load |
| 1 | Frame - Wood - Ext | | 13.0/0.09 | | 1125.0 | | | 2.1 | | 2347 Btuh |
| | Wall Total | | | | 1125 (sqft) | | | | | 2347 Btuh |
| **Doors** | Type | | | | Area (sqft) | | | HTM | | Load |
| 1 | Insulated - Exterior | | | | 40.0 | | | 9.8 | | 392 Btuh |
| | Door Total | | | | 40 (sqft) | | | | | 392 Btuh |
| **Ceilings** | Type/Color/Surface | | R-Value | | Area(sqft) | | | HTM | | Load |
| 1 | Vented Attic/DarkShingle | | 30.0 | | 1350.0 | | | 1.7 | | 2236 Btuh |
| | Ceiling Total | | | | 1350 (sqft) | | | | | 2236 Btuh |
| **Floors** | Type | | R-Value | | Size | | | HTM | | Load |
| 1 | Slab On Grade | | 5.0 | | 166 (ft(p)) | | | 0.0 | | 0 Btuh |
| | Floor Total | | | | 166.0 (sqft) | | | | | 0 Btuh |
| | | | | | Envelope Subtotal: | | | | | 17461 Btuh |
| **Infiltration** | Type | | ACH | | Volume(cuft) | | wall area(sqft) | | CFM= | Load |
| | SensibleNatural | | 0.70 | | 10504 | | 1125 | | 140.1 | 2281 Btuh |
| **Internal gain** | | | Occupants | | Btuh/occupant | | | | Appliance | Load |
| | | | 6 | | X 230 | | + | | 2400 | 3780 Btuh |
| | | | | | Sensible Envelope Load: | | | | | 23521 Btuh |
| **Duct load** | | | | | (DGM of 0.179) | | | | | 4207 Btuh |
| | | | | | **Sensible Load All Zones** | | | | | **27728 Btuh** |

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Project Title:
1300 Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/30/2008

### WHOLE HOUSE TOTALS

| | | |
|---|---|---|
| **Whole House Totals for Cooling** | **Sensible Envelope Load All Zones** | **23521 Btuh** |
| | Sensible Duct Load | 4207 Btuh |
| | **Total Sensible Zone Loads** | **27728 Btuh** |
| | Sensible ventilation | 0 Btuh |
| | Blower | 0 Btuh |
| | **Total sensible gain** | **27728 Btuh** |
| | Latent infiltration gain (for 54 gr. humidity difference) | 4479 Btuh |
| | Latent ventilation gain | 0 Btuh |
| | Latent duct gain | 904 Btuh |
| | Latent occupant gain (6 people @ 200 Btuh per person) | 1200 Btuh |
| | Latent other gain | 0 Btuh |
| | **Latent total gain** | **6583 Btuh** |
| | **TOTAL GAIN** | **34311 Btuh** |

### EQUIPMENT

| | | |
|---|---|---|
| 1. Central Unit | # | 25000 Btuh |

*Key: Window types (Pn - Number of panes of glass)
(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(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

# System Sizing Calculations - Summer

## Residential Load - Room by Room Component Details

Project Title: 1300 Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/30/2008

**Component Loads for Zone #1: Main**

| | Type* | | Overhang | | Window Area(sqft) | | | HTM | | Load |
|---|---|---|---|---|---|---|---|---|---|---|
| **Window** | Pn/SHGC/U/InSh/ExSh/IS | Ornt | Len | Hgt | Gross | Shaded | Unshaded | Shaded | Unshaded | |
| 1 | 2, Clear, 0.87, None,N,N | W | 1.5ft | 8ft. | 15.0 | 0.0 | 15.0 | 29 | 80 | 1193 Btuh |
| 2 | 2, Clear, 0.87, None,N,N | W | 1.5ft | 8ft. | 18.0 | 0.0 | 18.0 | 29 | 80 | 1431 Btuh |
| 3 | 2, Clear, 0.87, None,N,N | W | 1.5ft | 8ft. | 40.0 | 0.0 | 40.0 | 29 | 80 | 3181 Btuh |
| 4 | 2, Clear, 0.87, None,N,N | E | 1.5ft | 8ft. | 60.0 | 0.0 | 60.0 | 29 | 80 | 4771 Btuh |
| 5 | 2, Clear, 0.87, None,N,N | E | 5.5ft | 8ft. | 30.0 | 9.4 | 20.6 | 29 | 80 | 1911 Btuh |
| | Window Total | | | | 163 (sqft) | | | | | 12487 Btuh |

| | Type | R-Value/U-Value | Area(sqft) | HTM | Load |
|---|---|---|---|---|---|
| **Walls** | | | | | |
| 1 | Frame - Wood - Ext | 13.0/0.09 | 1125.0 | 2.1 | 2347 Btuh |
| | Wall Total | | 1125 (sqft) | | 2347 Btuh |
| **Doors** | Type | | Area (sqft) | HTM | Load |
| 1 | Insulated - Exterior | | 40.0 | 9.8 | 392 Btuh |
| | Door Total | | 40 (sqft) | | 392 Btuh |
| **Ceilings** | Type/Color/Surface | R-Value | Area(sqft) | HTM | Load |
| 1 | Vented Attic/DarkShingle | 30.0 | 1350.0 | 1.7 | 2236 Btuh |
| | Ceiling Total | | 1350 (sqft) | | 2236 Btuh |
| **Floors** | Type | R-Value | Size | HTM | Load |
| 1 | Slab On Grade | 5.0 | 166 (ft(p)) | 0.0 | 0 Btuh |
| | Floor Total | | 166.0 (sqft) | | 0 Btuh |
| | | | | Zone Envelope Subtotal: | 17461 Btuh |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Infiltration** | Type | ACH | Volume(cuft) | wall area(sqft) | CFM= | Load |
| | SensibleNatural | 0.70 | 10504 | 1125 | 122.5 | 2281 Btuh |
| **Internal gain** | | Occupants | Btuh/occupant | | Appliance | Load |
| | | 6 | X 230 | + | 2400 | 3780 Btuh |
| | | | | Sensible Envelope Load: | | 23521 Btuh |
| **Duct load** | Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) | | | (DGM of 0.179) | | 4207 Btuh |
| | | | | **Sensible Zone Load** | | **27728 Btuh** |

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Project Title:
1300 Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/30/2008

### WHOLE HOUSE TOTALS

| | | |
|---|---|---|
| **Whole House Totals for Cooling** | **Sensible Envelope Load All Zones** | **23521 Btuh** |
| | Sensible Duct Load | 4207 Btuh |
| | **Total Sensible Zone Loads** | **27728 Btuh** |
| | Sensible ventilation | 0 Btuh |
| | Blower | 0 Btuh |
| | **Total sensible gain** | **27728 Btuh** |
| | Latent infiltration gain (for 54 gr. humidity difference) | 4479 Btuh |
| | Latent ventilation gain | 0 Btuh |
| | Latent duct gain | 904 Btuh |
| | Latent occupant gain (6 people @ 200 Btuh per person) | 1200 Btuh |
| | Latent other gain | 0 Btuh |
| | **Latent total gain** | **6583 Btuh** |
| | **TOTAL GAIN** | **34311 Btuh** |

### EQUIPMENT

| | | |
|---|---|---|
| 1. Central Unit | # | 25000 Btuh |

*Key: Window types (Pn - Number of panes of glass)
(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(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)


Version 8
For Florida residences only

# Residential Window Diversity

## MidSummer

Project Title:
1300 Model

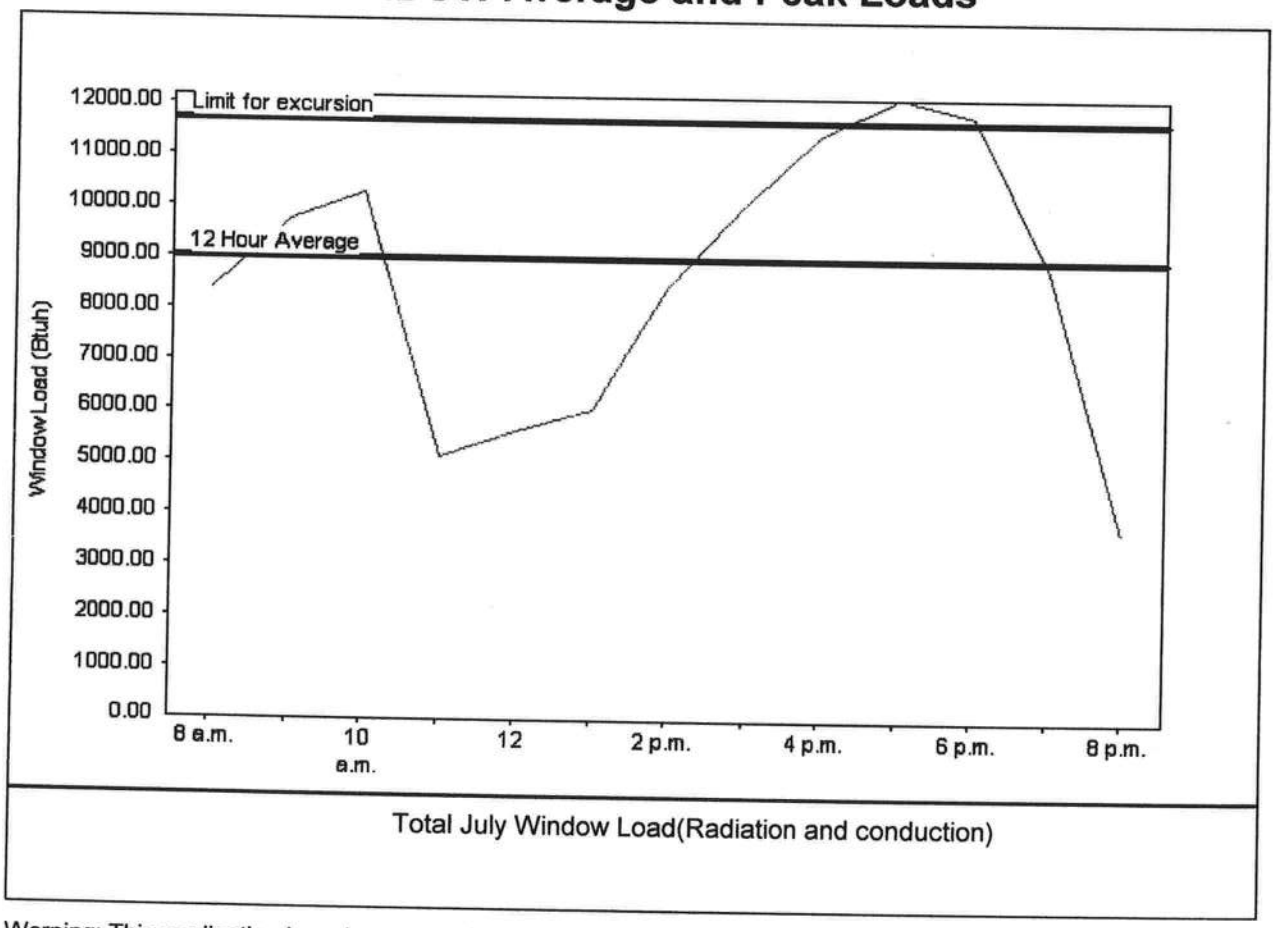
Lake City, FL 32025-

Code Only
Professional Version
Climate: North

1/30/2008

| Weather data for: Gainesville - Defaults | | | |
|---|---|---|---|
| Summer design temperature | 92 F | Average window load for July | 9005 Btuh |
| Summer setpoint | 75 F | Peak window load for July | 12163 Btu |
| Summer temperature difference | 17 F | Excusion limit(130% of Ave.) | 11707 Btu |
| Latitude | 29 North | Window excursion (July) | 457 Btuh |

## WINDOW Average and Peak Loads




Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: 1/30/08

**COLUMBIA COUNTY BUILDING DEPARTMENT** 6-25-09
**RESIDENTIAL CHECK LIST REQUIRMENTS**

**MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL PROVIDE 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 SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL** (Florida Wind speed map) **SHALL BE USED.**

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

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

| | GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | | | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|---|---|
| | | | | Yes | No | N/A |
| 1 | Two (2) complete sets of plans containing the following: | | | | | |
| 2 | All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void | | | | | |
| 3 | Condition space (Sq. Ft.) | 1313 | Total (Sq. Ft.) under roof 1403 | IIIIIII | IIIIIII | IIIII |

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

**Site Plan information including:**

| | | | | |
|---|---|---|---|---|
| 4 | Dimensions of lot or parcel of land | ✓ | | |
| 5 | Dimensions of all building set backs | ✓ | | |
| 6 | Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements. | ✓ | | |
| 7 | Provide a full legal description of property. | ✓ | | |

## Wind-load Engineering Summary, calculations and any details required

| | GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| 8 | **Plans or specifications must show compliance with FBCR Chapter 3** | IIIIII | IIIII | IIIIII |
| | | **YES** | **NO** | **N/A** |
| 9 | Basic wind speed (3-second gust), miles per hour | | | |
| 10 | (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated) | | | |
| 11 | Wind importance factor and nature of occupancy | | | |
| 12 | The applicable internal pressure coefficient, Components and Cladding | | | |
| 13 | The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional. | | | |
| | | | | |
| | | | | |
| | | | | |

## Elevations Drawing including:

| | | | | |
|---|---|---|---|---|
| 14 | All side views of the structure | ✓ | | |
| 15 | Roof pitch | ✓ | | |
| 16 | Overhang dimensions and detail with attic ventilation | ✓ | | |
| 17 | Location, size and height above roof of chimneys | | | ✓ |
| 18 | Location and size of skylights with Florida Product Approval | | | ✓ |
| 18 | Number of stories | ✓ | | |
| 20A | Building height from the established grade to the roofs highest peak | ✓ | | |

## Floor Plan including:

| | | | | |
|---|---|---|---|---|
| 20 | Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies | ✓ | | |
| 21 | Raised floor surfaces located more than 30 inches above the floor or grade | | | ✓ |
| 22 | All exterior and interior shear walls indicated | | | ✓ |
| 23 | Shear wall opening shown (Windows, Doors and Garage doors) | | | ✓ |
| 24 | Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass. | ✓ | | |
| 25 | Safety glazing of glass where needed | | | ✓ |
| 26 | Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR) | | | ✓ |
| 27 | Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails | | | ✓ |
| 28 | Identify accessibility of bathroom (see FBCR SECTION 322) | ✓ | | |

**All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)**

| GENERAL REQUIREMENTS:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|

## FBCR 403: Foundation Plans

| | | YES | NO | N/A |
|---|---|---|---|---|
| 29 | Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. | ✓ | | |
| 30 | All posts and/or column footing including size and reinforcing | ✓ | | |
| 31 | Any special support required by soil analysis such as piling. | | | ✓ |
| 32 | Assumed load-bearing valve of soil_____ Pound Per Square Foot | | ✓ | |
| 33 | Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3 | | | ✓ |

## FBCR 506: CONCRETE SLAB ON GRADE

| | | | | |
|---|---|---|---|---|
| 34 | Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) | | | ✓ |
| 35 | Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports | | | ✓ |

## FBCR 320: PROTECTION AGAINST TERMITES

| | | | | |
|---|---|---|---|---|
| 36 | Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. **Protection shall be provided by registered termiticides** | ✓ | | |

## FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

| | | | | |
|---|---|---|---|---|
| 37 | Show all materials making up walls, wall height, and Block size, mortar type | | | ✓ |
| 38 | Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement | | | ✓ |

**Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect**

**Floor Framing System: First and/or second story**

| | | | | |
|---|---|---|---|---|
| 39 | Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer | | | |
| 40 | Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers | | | |
| 41 | Girder type, size and spacing to load bearing walls, stem wall and/or priers | | | |
| 42 | Attachment of joist to girder | | | |
| 43 | Wind load requirements where applicable | | | |
| 44 | Show required under-floor crawl space | | | |

| | | | | |
|---|---|---|---|---|
| 45 | Show required amount of ventilation opening for under-floor spaces | | | |
| 46 | Show required covering of ventilation opening | | | |
| 47 | Show the required access opening to access to under-floor spaces | | | |
| 48 | Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interi of the areas structural panel sheathing | | | |
| 49 | Show Draftstopping, Fire caulking and Fire blocking | | | |
| 50 | Show fireproofing requirements for garages attached to living spaces, per FBCR section 309 | | | |
| 51 | Provide live and dead load rating of floor framing systems (psf). | | | |

## FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

| | GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| | | YES | NO | N/A |
| 52 | Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls | ✓ | | |
| 53 | Fastener schedule for structural members per table FBCR 602.3 are to be shown | ✓ | | |
| 54 | Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing | ✓ | | |
| 55 | Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems | | ✓ | |
| 56 | Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1) | ✓ | | |
| 57 | Indicate where pressure treated wood will be placed | ✓ | | |
| 58 | Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas | ✓ | | |
| 59 | A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail | ✓ | | |

## FBCR :ROOF SYSTEMS:

| | | | | |
|---|---|---|---|---|
| 60 | Truss design drawing shall meet section FBCR 802.10 Wood trusses | | | |
| 61 | Include a layout and truss details, signed and sealed by Florida Professional Engineer | | | |
| 62 | Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters | | | |
| 63 | Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details | | | |
| 64 | Provide dead load rating of trusses | | | |

## FBCR 802:Conventional Roof Framing Layout

| | | | | |
|---|---|---|---|---|
| 65 | Rafter and ridge beams sizes, span, species and spacing | | | |
| 66 | Connectors to wall assemblies' include assemblies' resistance to uplift rating | | | |
| 67 | Valley framing and support details | | | |
| 68 | Provide dead load rating of rafter system | | | |

## FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

| | | | | |
|---|---|---|---|---|
| 69 | Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness | ✓ | | |
| 70 | Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas | ✓ | | |

## FBCR ROOF ASSEMBLIES FRC Chapter 9

| | | | | |
|---|---|---|---|---|
| 71 | Include all materials which will make up the roof assembles covering | \| | | |
| 72 | Submit Florida Product Approval numbers for each component of the roof assembles covering | | | |

## FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

| | GENERAL REQUIREMENTS:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| | | YES | NO | N/A |
| 73 | Show the insulation R value for the following areas of the structure | ✓ | | |
| 74 | Attic space | ✓ | | |
| 75 | Exterior wall cavity | ✓ | | |
| 76 | Crawl space | | | ✓ |

## HVAC information

| | | | | |
|---|---|---|---|---|
| 77 | Submit two copies of a Manual J sizing equipment or equivalent computation study | ✓ | | |
| 78 | Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required** | ✓ | | |
| 79 | Show clothes dryer route and total run of exhaust duct | ✓ | | |

## Plumbing Fixture layout shown

| | | | | |
|---|---|---|---|---|
| 80 | All fixtures waste water lines shall be shown on the foundation plan | | ✓ | |
| 81 | Show the location of water heater | ✓ | | |

## Private Potable Water

| | | | | |
|---|---|---|---|---|
| 82 | Pump motor horse power | | ✓ | |
| 83 | Reservoir pressure tank gallon capacity | | ✓ | |
| 84 | Rating of cycle stop valve if used | | ✓ | |

## Electrical layout shown including

| | | | | |
|---|---|---|---|---|
| 85 | Show Switches, receptacles outlets, lighting fixtures and Ceiling fans | ✓ | | |
| 86 | Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A** | ✓ | | |
| 87 | Show the location of smoke detectors & Carbon monoxide detectors | ✓ | | |
| 88 | Show service panel, sub-panel, location(s) and total ampere ratings | ✓ | | ✓ |
| 89 | On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. 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. Indicate if the utility company service entrance cable will be of the overhead or underground type.<br><br>**For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3 | ✓ | | |
| 90 | Appliances and HVAC equipment and disconnects | ✓ | | |
| 91 | Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device. | ✓ | | |

**Disclosure Statement for Owner Builders** *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

## Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

| GENERAL REQUIREMENTS:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|

## THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

| | | YES | NO | N/A |
|---|---|---|---|---|
| 92 | **Building Permit Application** A current Building Permit Application form is to be completed and submitted for all residential projects | ✓ | | |
| 93 | **Parcel Number** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested | ✓ | | |
| 94 | **Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058 | | ✓ | |
| 95 | **City of Lake City** A permit showing an approved waste water sewer tap | | | ✓ |
| 96 | **Toilet facilities shall be provided for all construction sites** | ✓ | | |
| 97 | **Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit. | | | ✓ |
| | | | | |

| | | | | |
|---|---|---|---|---|
| 98 | **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations | | | √ |
| 99 | CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established | | | √ |
| 100 | A development permit will also be required. Development permit cost is **$50.00** | | | √ |
| 101 | **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. | √ | | |
| 102 | **911 Address:** If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 | √ | | |

**Section R101.2.1 of the Florida Building Code Residential:**

**The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.**

**Section 105 of the Florida Building Code defines the:**

**Time limitation of application.**

**An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.**

**Single-family residential dwelling.**

**Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.**

**Permit intent.**

**Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.**

**If work has commenced.**

**Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.**

**New Permit.**

**Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.**

**Work Shall Be:**

**Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.**

**The Fee:**

**Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.**

## When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department

Builders FirstSource

**Project Information for:** L267009

Builder: Paul Phinney
Lot : 1
Subdivision:
County: Columbia
Truss Count: 26
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

Check file with engineer!

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER
January 30, 2008

**Truss Design Load Information:**

| **Gravity:** | **Wind:** | |
|---|---|---|
| Roof (psf): 42.0 | Wind Standard: ASCE 7-02 | Wind Exposure: B |
| Floor (psf): N/A | Wind Speed (mph): 110 | |

Note: See the individual truss drawings for special loading conditions.

**Contractor of Record, responsible for structural engineering:**

Paul Phinney - owner
Address: 385 SW Peace rd. Lake City FL 32024

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

**Notes:**

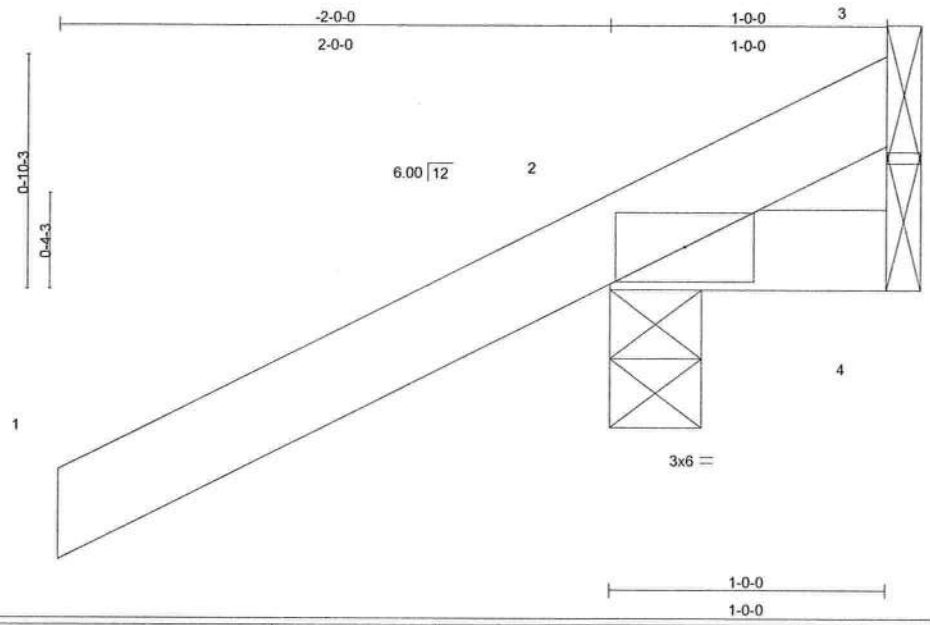
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

| No. | Drwg. # | Truss ID | Date |
|---|---|---|---|
| 1 | J1930927 | CJ1 | 1/30/08 |
| 2 | J1930928 | CJ3 | 1/30/08 |
| 3 | J1930929 | CJ5 | 1/30/08 |
| 4 | J1930930 | EJ5 | 1/30/08 |
| 5 | J1930931 | EJ7 | 1/30/08 |
| 6 | J1930932 | EJ7A | 1/30/08 |
| 7 | J1930933 | HJ7 | 1/30/08 |
| 8 | J1930934 | HJ9 | 1/30/08 |
| 9 | J1930935 | T01 | 1/30/08 |
| 10 | J1930936 | T01A | 1/30/08 |
| 11 | J1930937 | T01G | 1/30/08 |
| 12 | J1930938 | T02 | 1/30/08 |
| 13 | J1930939 | T02A | 1/30/08 |
| 14 | J1930940 | T02B | 1/30/08 |
| 15 | J1930941 | T02C | 1/30/08 |
| 16 | J1930942 | T02G | 1/30/08 |
| 17 | J1930943 | T03 | 1/30/08 |
| 18 | J1930944 | T04 | 1/30/08 |
| 19 | J1930945 | T05 | 1/30/08 |
| 20 | J1930946 | T06 | 1/30/08 |
| 21 | J1930947 | T07 | 1/30/08 |
| 22 | J1930948 | T08 | 1/30/08 |
| 23 | J1930949 | T09 | 1/30/08 |
| 24 | J1930950 | T10 | 1/30/08 |
| 25 | J1930951 | T11 | 1/30/08 |
| 26 | J1930952 | T12 | 1/30/08 |

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | CJ1 | JACK | 4 | 1 | J1930927 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:29 2008 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 | 0.28 | Vert(LL) | -0.00 | 2 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.01 | Vert(TL) | -0.00 | 2 | >999 | 240 | | |
| BCLL | 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: 7 lb | |

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

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

**REACTIONS** (lb/size) 2=257/0-4-0, 4=5/Mechanical, 3=-91/Mechanical
Max Horz 2=87(load case 6)
Max Uplift 2=-275(load case 6), 3=-91(load case 1)
Max Grav 2=257(load case 1), 4=14(load case 2), 3=128(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/76
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**
2 = 0.14

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 2 and 91 lb uplift at joint 3.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 30,2008



Builders FirstSource

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930927 |
| L267009 | CJ1 | JACK | 4 | 1 | Job Reference (optional) |



**LOAD CASE(S)** Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33436

January 30,200

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930928 |
|---|---|---|---|---|---|
| L267009 | CJ3 | JACK | 4 | 1 | Job Reference (optional) |

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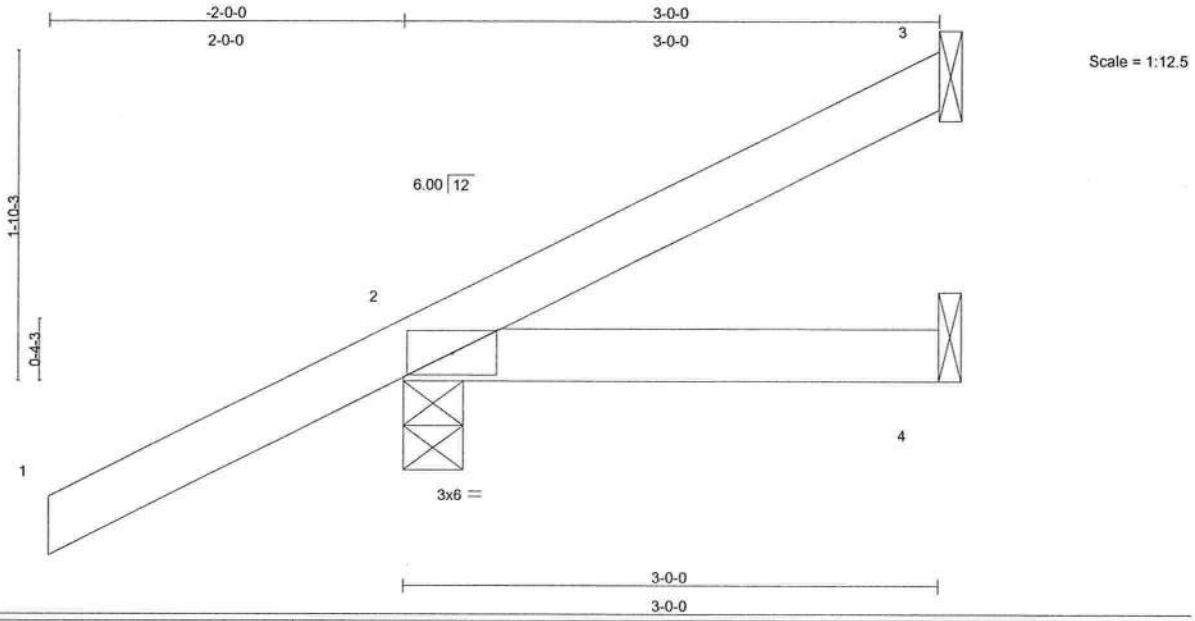



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.30 | Vert(LL) | -0.00 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.05 | Vert(TL) | -0.01 | 2-4 | >999 | 240 | | |
| 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=29/Mechanical, 2=251/0-4-0, 4=14/Mechanical
Max Horz 2=132(load case 6)
Max Uplift 3=-27(load case 7), 2=-205(load case 6)
Max Grav 3=29(load case 1), 2=251(load case 1), 4=42(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-58/7
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**
2 = 0.13

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3 and 205 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930928 |
|---|---|---|---|---|---|
| L267009 | CJ3 | JACK | 4 | 1 | Job Reference (optional) |



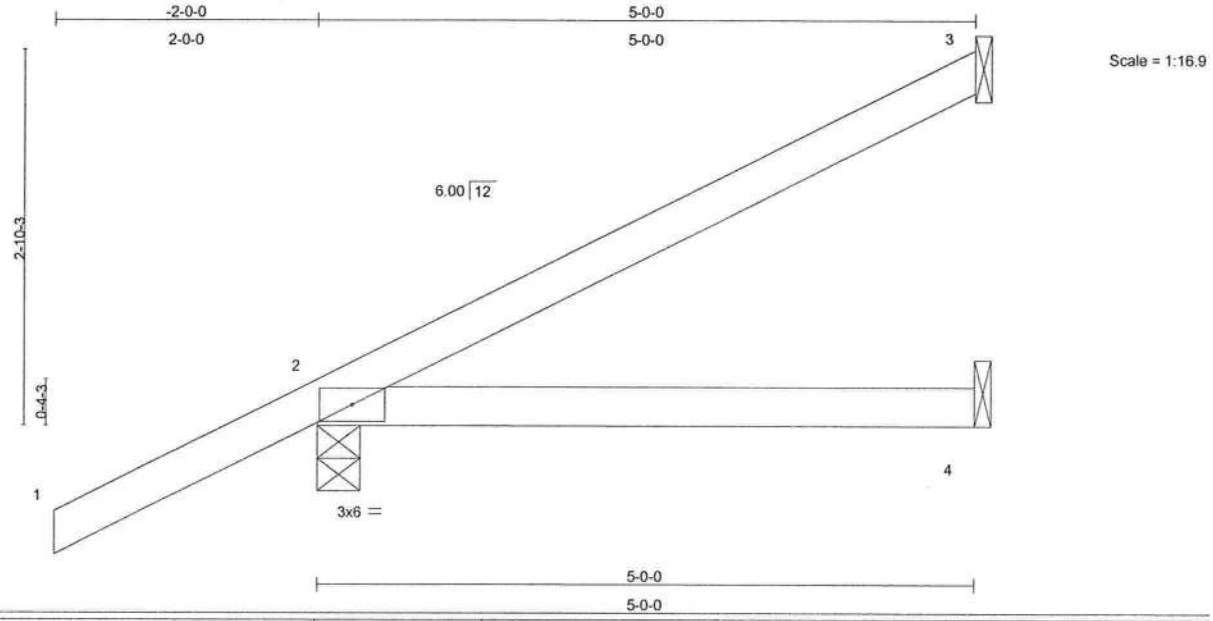
**LOAD CASE(S)** Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | CJ5 | JACK | 2 | 1 | J1930929 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:30 2008 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) | -0.03 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.16 | Vert(TL) | -0.05 | 2-4 | >999 | 240 | | |
| BCLL | 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: 19 lb | |

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

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

**REACTIONS** (lb/size) 3=102/Mechanical, 2=296/0-4-0, 4=24/Mechanical
Max Horz 2=178(load case 6)
Max Uplift 3=-86(load case 6), 2=-201(load case 6)
Max Grav 3=102(load case 1), 2=296(load case 1), 4=72(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-87/36
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**
2 = 0.15

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 3 and 201 lb uplift at joint 2.

Continued on page 2

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Florida PE No. 31869
1100 Coastal Bay Blvd
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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | CJ5 | JACK | 2 | 1 | J1930929<br>Job Reference (optional) |



**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930930 |
|---|---|---|---|---|---|
| L267009 | EJ5 | MONO TRUSS | 8 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:31 2008 Page 1

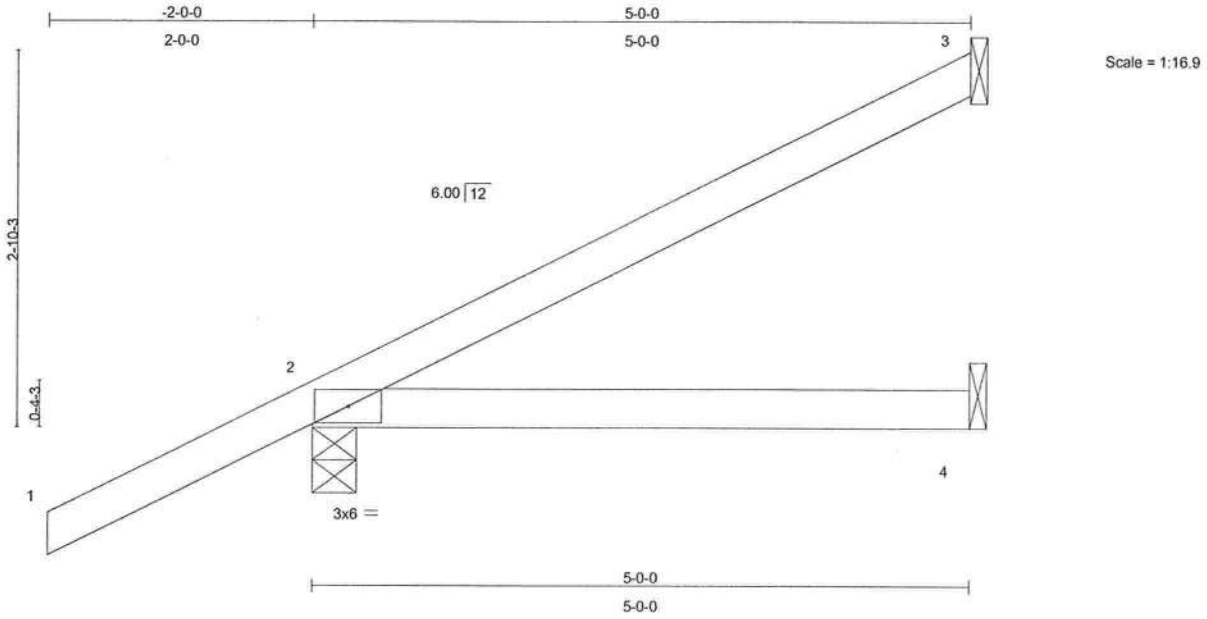


Plate Offsets (X,Y): [2:0-0-0,0-0-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.30 | Vert(LL) | -0.03 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.16 | Vert(TL) | -0.05 | 2-4 | >999 | 240 | | |
| BCLL | 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: 19 lb | |

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

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

**REACTIONS** (lb/size) 3=102/Mechanical, 2=296/0-4-0, 4=24/Mechanical
Max Horz 2=178(load case 6)
Max Uplift 3=-87(load case 6), 2=-201(load case 6)
Max Grav 3=102(load case 1), 2=296(load case 1), 4=72(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-87/36
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**
2 = 0.15

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930930 |
|---|---|---|---|---|---|
| L267009 | EJ5 | MONO TRUSS | 8 | 1 | Job Reference (optional) |



**NOTES**

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 201 lb uplift at joint 2.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | EJ7 | MONO TRUSS | 9 | 1 | J1930931<br>Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:32 2008 Page 1

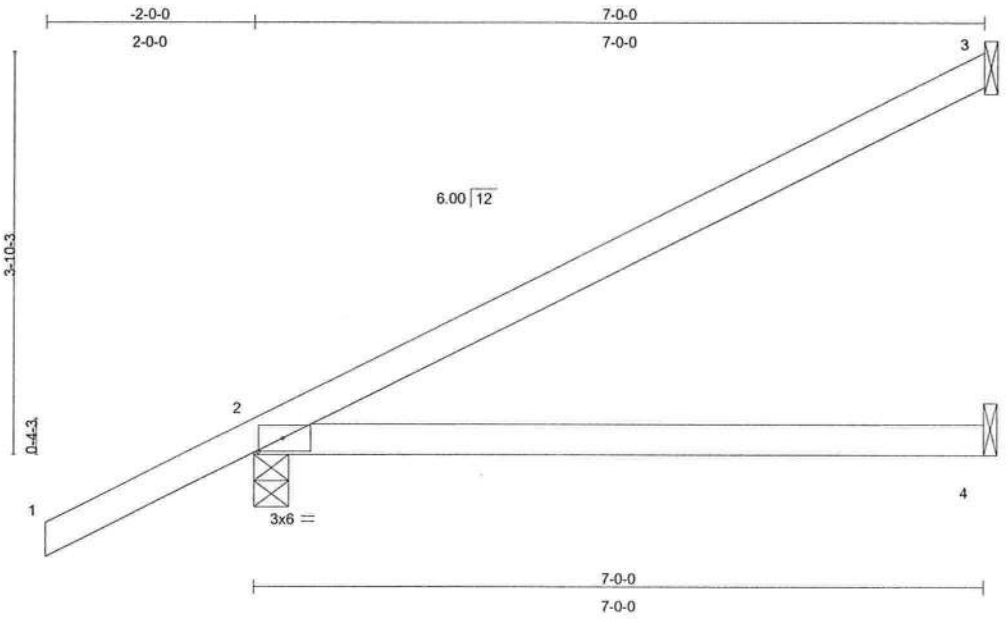


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.48 | Vert(LL) | -0.08 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.28 | Vert(TL) | -0.16 | 2-4 | >506 | 240 | | |
| 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: 26 lb | |

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

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

**REACTIONS** (lb/size) 3=154/Mechanical, 2=352/0-4-0, 4=44/Mechanical
Max Horz 2=161(load case 6)
Max Uplift 3=-84(load case 6), 2=-140(load case 6)
Max Grav 3=154(load case 1), 2=352(load case 1), 4=93(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/54
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**
2 = 0.70

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 3 and 140 lb uplift at joint 2.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930931 |
| L267009 | EJ7 | MONO TRUSS | 9 | 1 | Job Reference (optional) |



**LOAD CASE(S)** Standard

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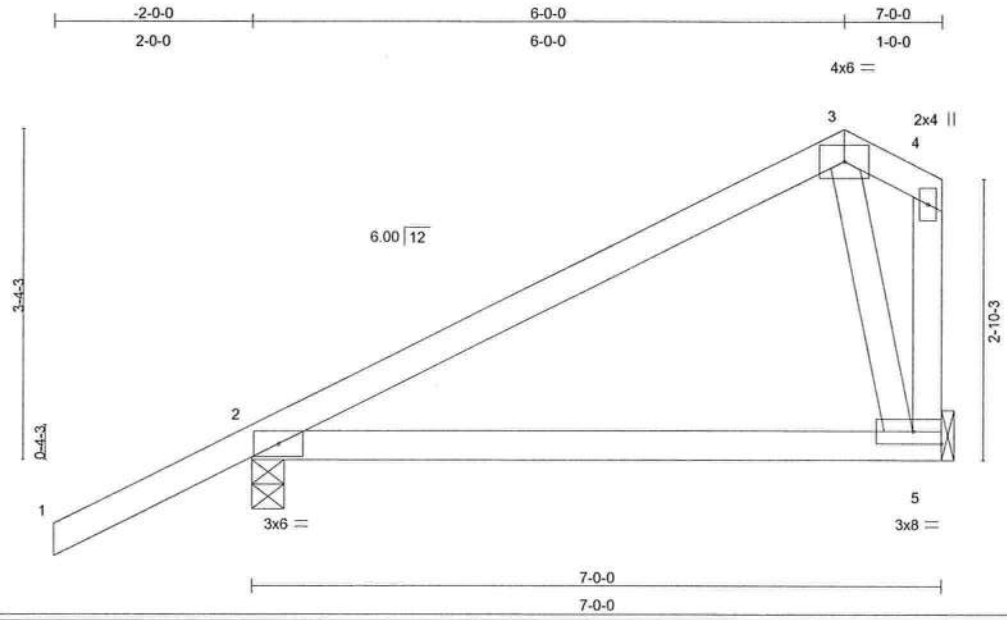
January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | EJ7A | COMMON | 1 | 1 | J1930932 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:32 2008 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) | -0.04 | 2-5 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.14 | Vert(TL) | -0.08 | 2-5 | >999 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.10 | Horz(TL) | -0.00 | 5 | 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) 2=350/0-4-0, 5=195/Mechanical
Max Horz 2=137(load case 6)
Max Uplift 2=-150(load case 6), 5=-50(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-180/44, 3-4=-90/57, 4-5=-183/137
BOT CHORD 2-5=-96/96
WEBS 3-5=-286/388

**JOINT STRESS INDEX**
2 = 0.42, 3 = 0.68, 4 = 0.45 and 5 = 0.62

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 2 and 50 lb uplift at joint 5.

Continued on page 2

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | EJ7A | COMMON | 1 | 1 | J1930932<br>Job Reference (optional) |



**LOAD CASE(S)** Standard

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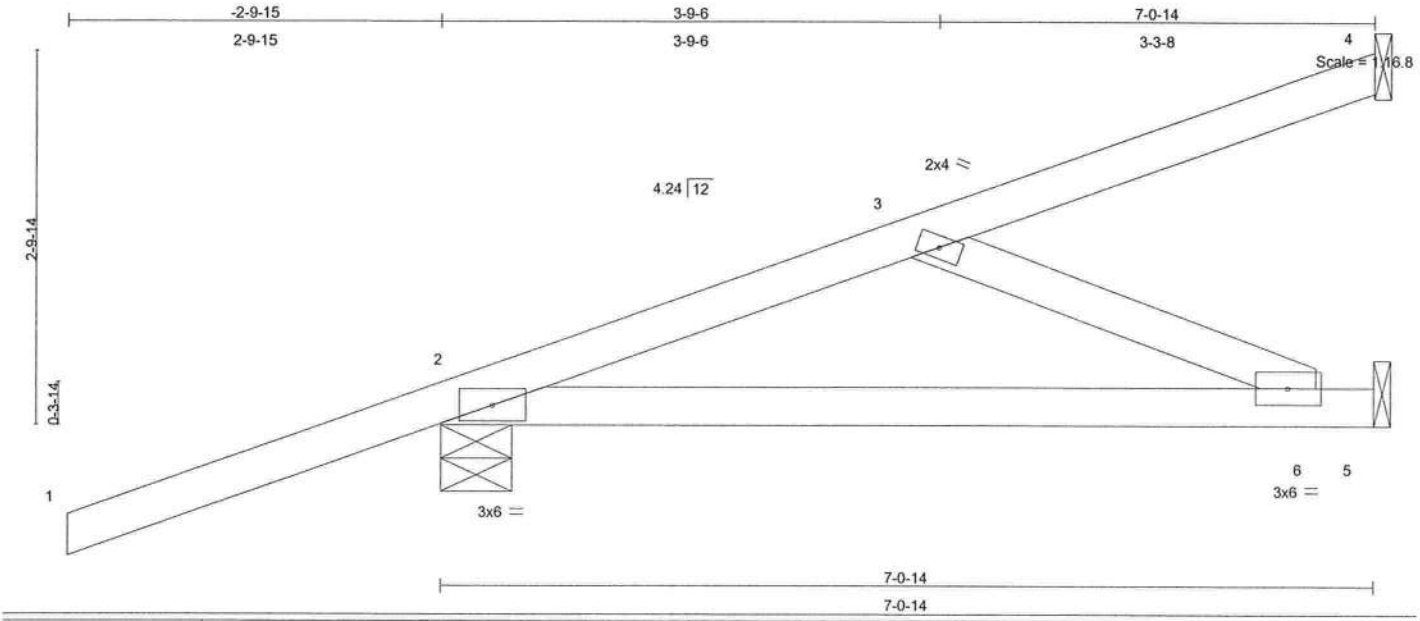
January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | HJ7 | MONO TRUSS | 1 | 1 | J1930933 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:33 2008 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 | 0.55 | Vert(LL) | -0.07 | 2-6 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.26 | Vert(TL) | -0.11 | 2-6 | >770 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | NO | WB | 0.05 | Horz(TL) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 31 lb | |

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

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

**REACTIONS** (lb/size) 4=129/Mechanical, 2=341/0-6-7, 5=91/Mechanical
Max Horz 2=165(load case 3)
Max Uplift 4=-113(load case 3), 2=-254(load case 3), 5=-7(load case 6)
Max Grav 4=129(load case 1), 2=341(load case 1), 5=124(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-211/28, 3-4=-50/32
BOT CHORD 2-6=-93/175, 5-6=0/0
WEBS 3-6=-190/101

**JOINT STRESS INDEX**
2 = 0.72, 3 = 0.11 and 6 = 0.05

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 4, 254 lb uplift at joint 2 and 7 lb uplift at joint 5.

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Boynton Beach, FL 33435

January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | HJ7 | MONO TRUSS | 1 | 1 | J1930933<br>Job Reference (optional) |



**NOTES**

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=-4(F=25, B=25)-to-4=-95(F=-21, B=-21), 2=0(F=5, B=5)-to-5=-18(F=-4, B=-4)

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | HJ9 | MONO TRUSS | 1 | 1 | J1930934 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:33 2008 Page 1

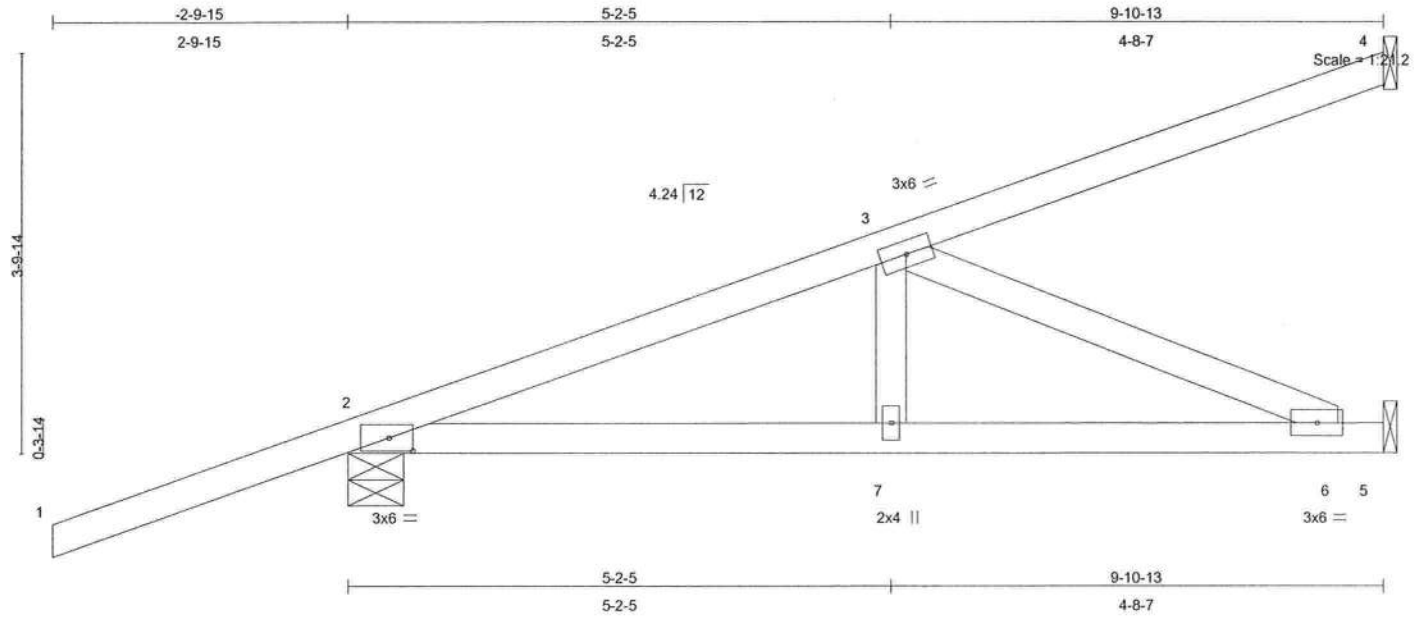


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.55 | Vert(LL) | 0.04 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.32 | Vert(TL) | -0.07 | 6-7 | >999 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | NO | WB | 0.23 | Horz(TL) | 0.01 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 44 lb | |

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

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

**REACTIONS** (lb/size) 4=231/Mechanical, 2=458/0-6-7, 5=253/Mechanical
Max Horz 2=270(load case 3)
Max Uplift 4=-202(load case 3), 2=-284(load case 3), 5=-91(load case 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-571/94, 3-4=-92/57
BOT CHORD 2-7=-269/513, 6-7=-269/513, 5-6=0/0
WEBS 3-7=0/191, 3-6=-560/293

**JOINT STRESS INDEX**
2 = 0.69, 3 = 0.15, 6 = 0.15 and 7 = 0.14

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 4, 284 lb uplift at joint 2 and 91 lb uplift at joint 5.

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January 30,20(

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | HJ9 | MONO TRUSS | 1 | 1 | J1930934<br>Job Reference (optional) |



**NOTES**

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=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=5, B=5)-to-5=-25(F=-7, B=-7)

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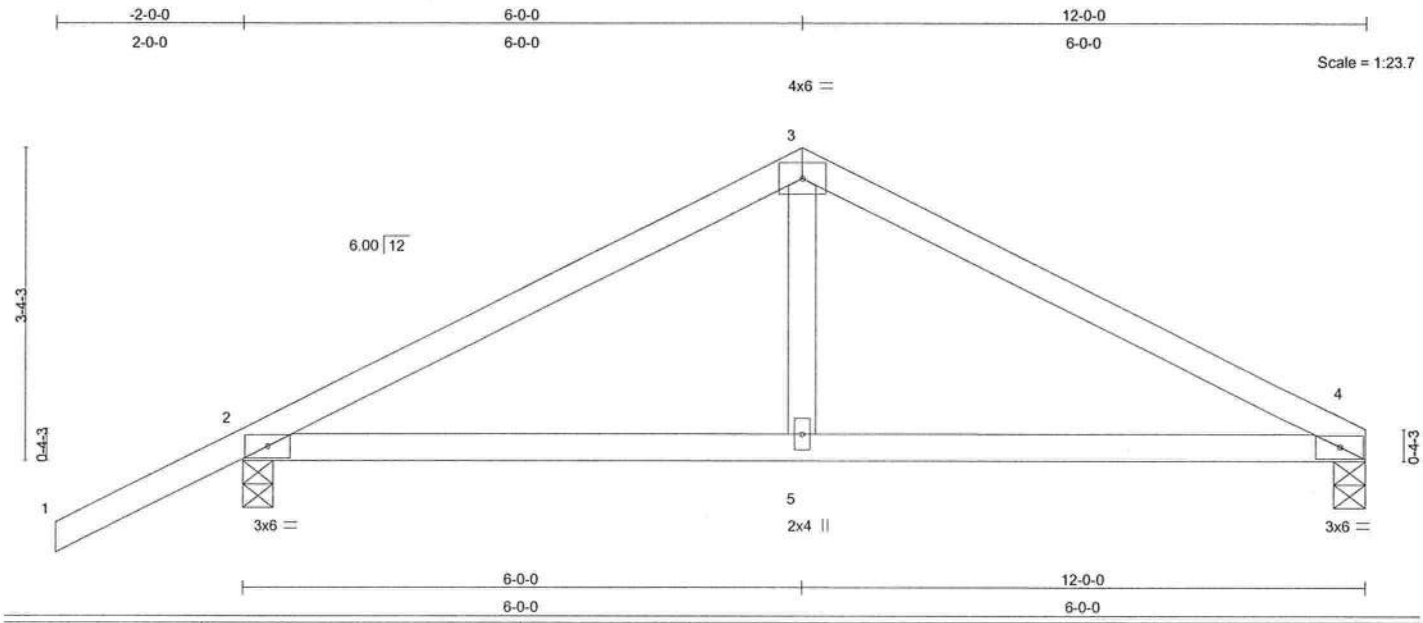
January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930935 |
|---|---|---|---|---|---|
| L267009 | T01 | COMMON | 2 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:34 2008 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) | 0.05 | 4-5 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.21 | Vert(TL) | -0.06 | 4-5 | >999 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.06 | Horz(TL) | 0.01 | 4 | 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 4 SYP No.2 |
| WEBS | 2 X 4 SYP No.3 |

**BRACING**

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

**REACTIONS** (lb/size) 4=362/0-4-0, 2=501/0-4-0
Max Horz 2=84(load case 6)
Max Uplift 4=-80(load case 7), 2=-183(load case 6)

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

| | |
|---|---|
| TOP CHORD | 1-2=0/47, 2-3=-534/310, 3-4=-529/303 |
| BOT CHORD | 2-5=-178/413, 4-5=-178/413 |
| WEBS | 3-5=0/202 |

**JOINT STRESS INDEX**
2 = 0.62, 3 = 0.74, 4 = 0.62 and 5 = 0.14

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 4 and 183 lb uplift at joint 2.

Continued on page 2

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930935 |
|---|---|---|---|---|---|
| L267009 | T01 | COMMON | 2 | 1 | Job Reference (optional) |



**LOAD CASE(S)** Standard

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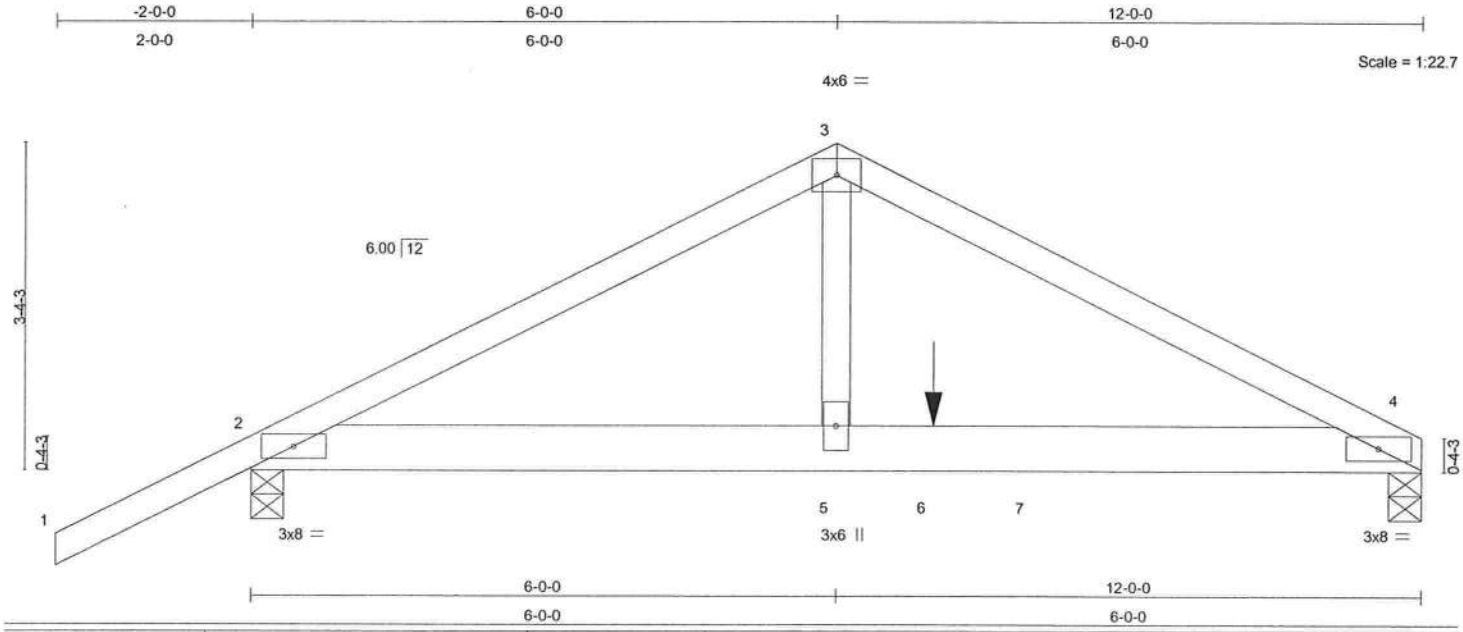
| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T01A | COMMON | 1 | 2 | J1930936 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 30 10:17:19 2008 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) | -0.09 | 4-5 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.55 | Vert(TL) | -0.18 | 4-5 | >772 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | NO | WB | 0.38 | Horz(TL) | 0.02 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 111 lb | |

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

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

**REACTIONS** (lb/size) 4=2647/0-4-0, 2=1497/0-4-0
Max Horz 2=88(load case 5)
Max Uplift 4=-712(load case 6), 2=-459(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-3143/837, 3-4=-3099/813
BOT CHORD 2-5=-682/2739, 5-6=-682/2739, 6-7=-682/2739, 4-7=-682/2739
WEBS 3-5=-618/2399

**JOINT STRESS INDEX**
2 = 0.79, 3 = 0.58, 4 = 0.79 and 5 = 0.39

**NOTES**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T01A | COMMON | 1 | 2 | J1930936<br>Job Reference (optional) |



**NOTES**

5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 712 lb uplift at joint 4 and 459 lb uplift at joint 2.
8) Girder carries tie-in span(s): 26-0-0 from 8-0-0 to 12-0-0

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-54, 2-7=-10, 4-7=-389(F=-379)
   Concentrated Loads (lb)
   Vert: 6=-1829(F)

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January 30,20(

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930937 |
|---|---|---|---|---|---|
| L267009 | T01G | GABLE | 1 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:36 2008 Page 1

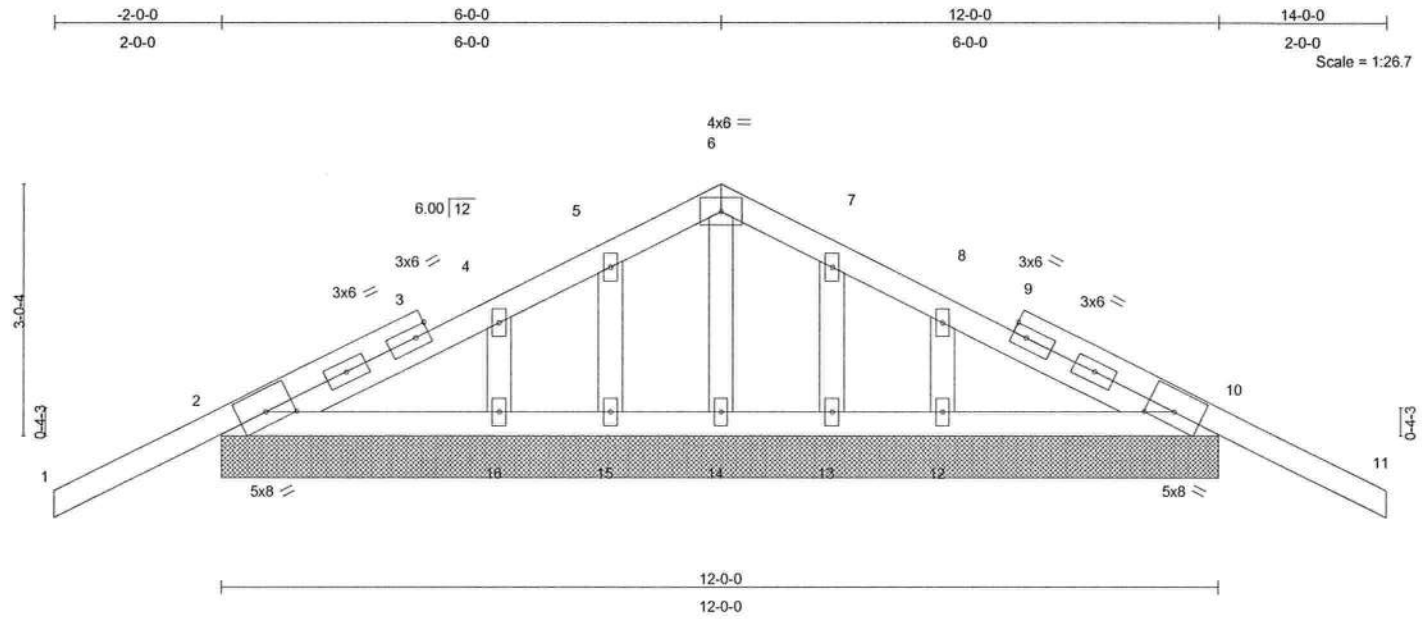


Plate Offsets (X,Y): [2:0-4-0,0-1-15], [10:0-4-0,0-1-15]

| 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) | -0.02 | 11 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.05 | Vert(TL) | -0.04 | 11 | n/r | 90 | | |
| BCLL | 10.0 | * Rep Stress Incr | NO | WB | 0.03 | Horz(TL) | 0.00 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 63 lb | |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2 X 4 SYP No.2 |
| BOT CHORD | 2 X 4 SYP No.2 |
| OTHERS | 2 X 4 SYP No.3 |

**BRACING**

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

**REACTIONS** (lb/size) 2=283/12-0-0, 10=283/12-0-0, 14=102/12-0-0, 15=84/12-0-0, 16=154/12-0-0, 13=84/12-0-0, 12=154/12-0-0
Max Horz 2=-76(load case 7)
Max Uplift 2=-222(load case 6), 10=-235(load case 7), 15=-73(load case 6), 16=-62(load case 7), 13=-69(load case 7), 12=-58(load case 6)
Max Grav 2=283(load case 1), 10=283(load case 1), 14=102(load case 1), 15=86(load case 10), 16=154(load case 1), 13=86(load case 11), 12=154(load case 1)

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

| | |
|---|---|
| TOP CHORD | 1-2=0/55, 2-3=-50/47, 3-4=-11/50, 4-5=-25/95, 5-6=-20/132, 6-7=-20/132, 7-8=-25/95, 8-9=0/43, 9-10=-50/42, 10-11=0/55 |
| BOT CHORD | 2-16=-1/92, 15-16=-1/92, 14-15=-1/92, 13-14=-1/92, 12-13=-1/92, 10-12=-1/92 |
| WEBS | 6-14=-87/0, 5-15=-77/81, 4-16=-132/114, 7-13=-77/81, 8-12=-132/114 |

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**JOINT STRESS INDEX**

2 = 0.89, 3 = 0.00, 3 = 0.24, 3 = 0.24, 4 = 0.06, 5 = 0.04, 6 = 0.07, 7 = 0.04, 8 = 0.06, 9 = 0.00, 9 = 0.24, 9 = 0.24, 10 = 0.89, 12 = 0.06, 13 = 0.04, 14 = 0.03, 15 = 0.04 and 16 = 0.06

**NOTES**

1) Unbalanced roof live loads have been considered for this design.

Continued on page 2

January 30,20

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930937 |
| L267009 | T01G | GABLE | 1 | 1 | Job Reference (optional) |



**NOTES**

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 222 lb uplift at joint 2, 235 lb uplift at joint 10, 73 lb uplift at joint 15, 62 lb uplift at joint 16, 69 lb uplift at joint 13 and 58 lb uplift at joint 12.
10) 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: 1-6=-64(F=-10), 6-11=-64(F=-10), 2-10=-10

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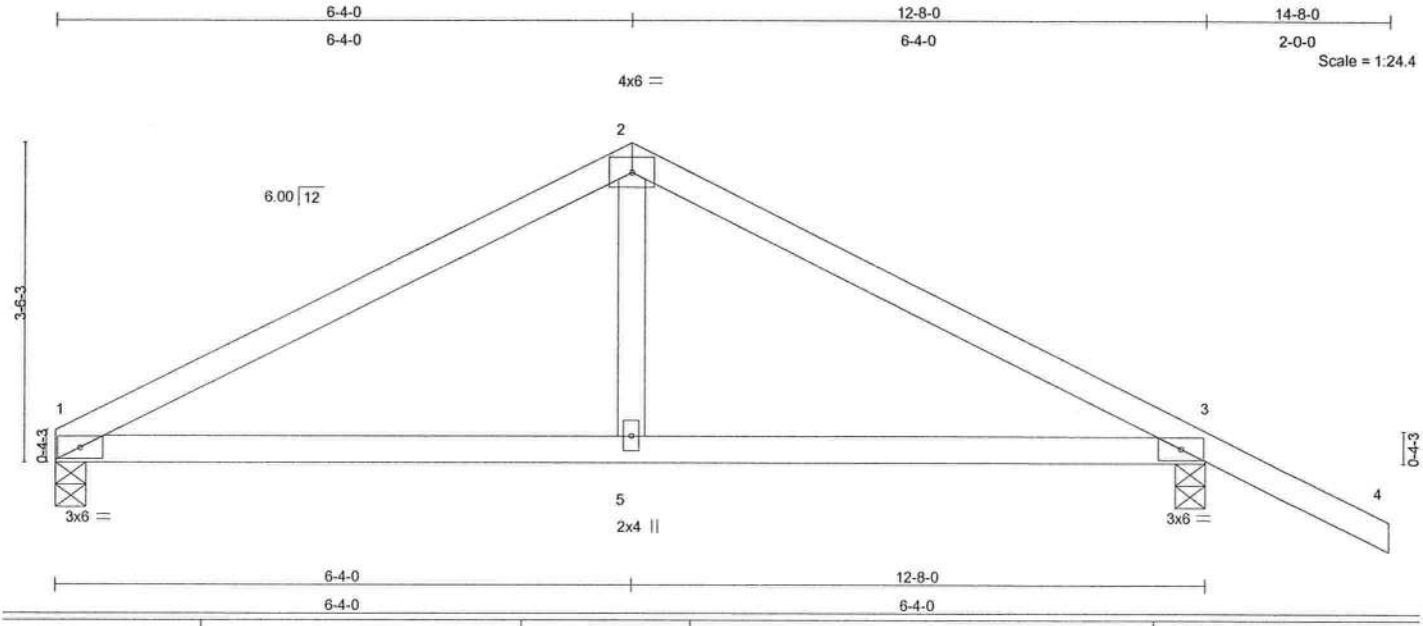
January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T02 | COMMON | 1 | 1 | J1930938 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:36 2008 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) | 0.05 | 1-5 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.23 | Vert(TL) | -0.07 | 1-5 | >999 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.07 | Horz(TL) | 0.01 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 48 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=384/0-4-0, 3=522/0-4-0
Max Horz 1=-86(load case 7)
Max Uplift 1=-85(load case 6), 3=-187(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-565/320, 2-3=-569/327, 3-4=0/47
BOT CHORD 1-5=-112/441, 3-5=-112/441
WEBS 2-5=0/214

**JOINT STRESS INDEX**
1 = 0.68, 2 = 0.82, 3 = 0.68 and 5 = 0.15

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 1 and 187 lb uplift at joint 3.

Continued on page 2

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T02 | COMMON | 1 | 1 | J1930938<br>Job Reference (optional) |



**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T02A | SPECIAL | 3 | 1 | J1930939 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:37 2008 Page 1

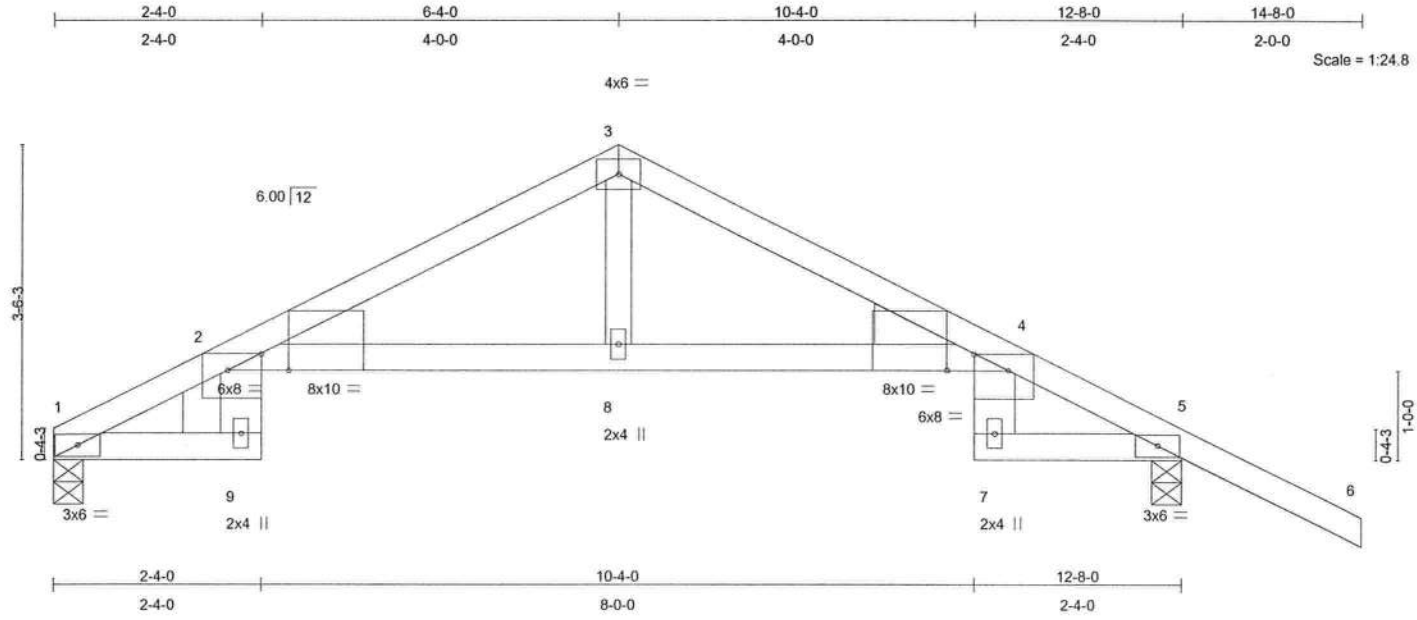


Plate Offsets (X,Y): [2:0-8-4,0-0-0], [2:0-4-9,0-2-3], [4:0-8-4,0-0-0], [4:0-4-9,0-2-3]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.45 | Vert(LL) | 0.16 | 2-8 | >906 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.77 | Vert(TL) | -0.28 | 2-8 | >529 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.09 | Horz(TL) | 0.23 | 5 | 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 *Except*
2-9 2 X 6 SYP No.1D, 4-7 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 6 SYP No.1D, Right: 2 X 6 SYP No.2

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

**REACTIONS** (lb/size) 1=386/0-4-0, 5=524/0-4-0
Max Horz 1=-86(load case 7)
Max Uplift 1=-83(load case 6), 5=-186(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-654/402, 2-3=-786/386, 3-4=-786/393, 4-5=-528/197, 5-6=0/47
BOT CHORD 1-9=-230/521, 2-9=-56/33, 2-8=-162/703, 4-8=-162/703, 4-7=-84/79, 5-7=-43/394
WEBS 3-8=-64/295

**JOINT STRESS INDEX**
1 = 0.54, 2 = 0.40, 2 = 0.78, 3 = 0.63, 4 = 0.40, 4 = 0.78, 5 = 0.54, 7 = 0.45, 8 = 0.21 and 9 = 0.45

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930939 |
|---|---|---|---|---|---|
| L267009 | T02A | SPECIAL | 3 | 1 | Job Reference (optional) |



**NOTES**

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 1 and 186 lb uplift at joint 5.

**LOAD CASE(S)** Standard

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January 30,200

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T02B | SPECIAL | 1 | 1 | J1930940 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:38 2008 Page 1

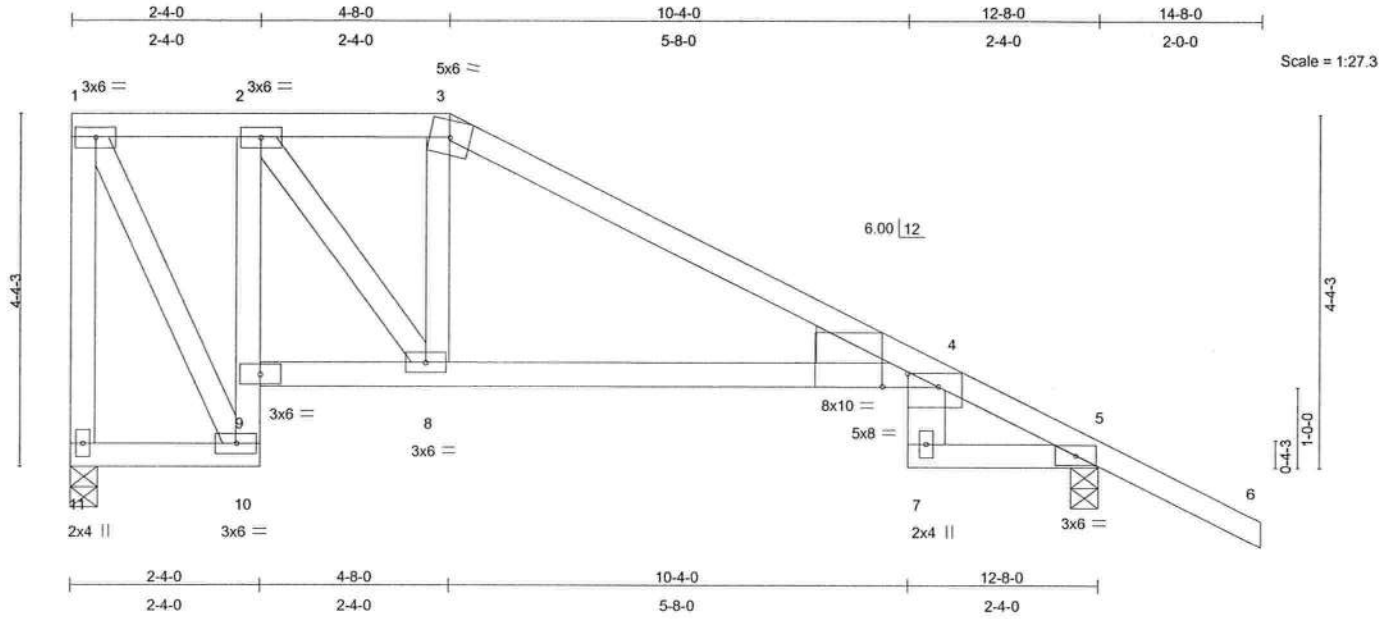


Plate Offsets (X,Y): [4:0-8-4,0-0-0], [4:0-4-8,0-2-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.46 | Vert(LL) | -0.18 | 4-8 | >809 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.79 | Vert(TL) | -0.37 | 4-8 | >397 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.16 | Horz(TL) | 0.19 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 74 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
2-10 2 X 4 SYP No.3, 4-7 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
WEDGE
Right: 2 X 6 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 6-0-0 oc bracing.

**REACTIONS** (lb/size) 11=385/0-4-0, 5=524/0-4-0
Max Horz 11=-179(load case 7)
Max Uplift 11=-100(load case 4), 5=-179(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-11=-395/221, 1-2=-161/96, 2-3=-478/221, 3-4=-573/170, 4-5=-530/127, 5-6=0/47
BOT CHORD 10-11=0/295, 9-10=-274/233, 2-9=-371/222, 8-9=0/242, 4-8=0/486, 4-7=-83/71, 5-7=-8/396
WEBS 1-10=-192/341, 2-8=-261/513, 3-8=-176/227

**JOINT STRESS INDEX**
1 = 0.29, 2 = 0.36, 3 = 0.62, 4 = 0.36, 4 = 0.77, 5 = 0.55, 7 = 0.44, 8 = 0.36, 9 = 0.33, 10 = 0.76 and 11 = 0.27

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

Continued on page 2

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930940 |
| L267009 | T02B | SPECIAL | 1 | 1 | Job Reference (optional) |



**NOTES**

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 11 and 179 lb uplift at joint 5.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T02C | SPECIAL | 1 | 1 | J1930941 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:39 2008 Page 1

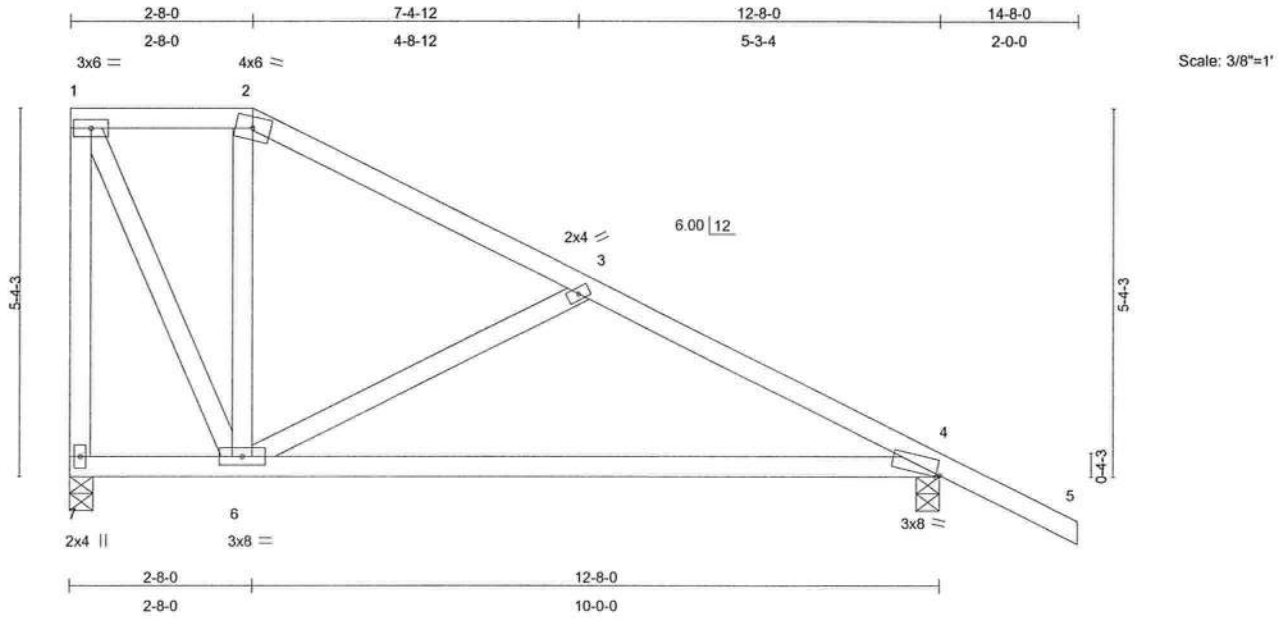


Plate Offsets (X,Y): [4:0-0-10,Edge]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.30 | Vert(LL) | -0.18 | 4-6 | >811 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.44 | Vert(TL) | -0.32 | 4-6 | >460 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.17 | Horz(TL) | 0.01 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 73 lb | |

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

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

**REACTIONS** (lb/size) 7=385/0-4-0, 4=523/0-4-0
Max Horz 7=-211(load case 7)
Max Uplift 7=-106(load case 7), 4=-174(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-403/268, 1-2=-172/120, 2-3=-260/73, 3-4=-562/236, 4-5=0/47
BOT CHORD 6-7=-5/357, 4-6=-41/447
WEBS 1-6=-273/403, 2-6=-133/181, 3-6=-305/311

**JOINT STRESS INDEX**
1 = 0.34, 2 = 0.46, 3 = 0.16, 4 = 0.71, 6 = 0.46 and 7 = 0.26

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930941 |
| L267009 | T02C | SPECIAL | 1 | 1 | Job Reference (optional) |



**NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 7 and 174 lb uplift at joint 4.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T02G | GABLE | 1 | 1 | J1930942<br>Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:40 2008 Page 1

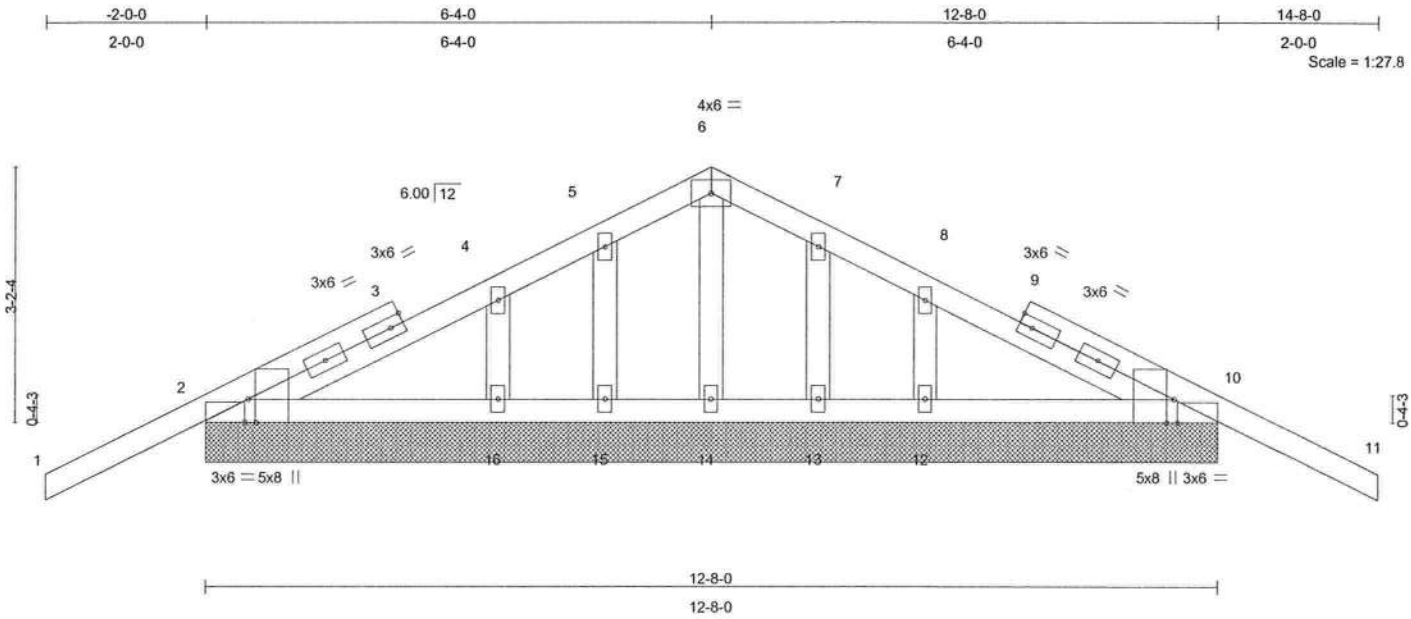


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [10:0-3-8,Edge], [10:0-0-8,Edge]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.32 | Vert(LL) | -0.02 | 11 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.06 | Vert(TL) | -0.03 | 11 | n/r | 90 | | |
| BCLL | 10.0 | * Rep Stress Incr | NO | WB | 0.03 | Horz(TL) | 0.00 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 67 lb | |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2 X 4 SYP No.2 |
| BOT CHORD | 2 X 4 SYP No.2 |
| OTHERS | 2 X 4 SYP No.3 |

**BRACING**

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

**REACTIONS** (lb/size) 2=285/12-8-0, 10=285/12-8-0, 14=116/12-8-0, 15=69/12-8-0, 16=185/12-8-0, 13=69/12-8-0, 12=185/12-8-0
Max Horz 2=78(load case 6)
Max Uplift 2=-210(load case 6), 10=-224(load case 7), 15=-62(load case 6), 16=-70(load case 7), 13=-58(load case 7), 12=-73(load case 7)
Max Grav 2=286(load case 10), 10=286(load case 11), 14=116(load case 1), 15=71(load case 10), 16=185(load case 10), 13=71(load case 11), 12=185(load case 11)

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

| | |
|---|---|
| TOP CHORD | 1-2=0/55, 2-3=-45/41, 3-4=-14/50, 4-5=-22/99, 5-6=-13/131, 6-7=-13/131, 7-8=-22/99, 8-9=0/50, 9-10=-45/34, 10-11=0/55 |
| BOT CHORD | 2-16=-7/100, 15-16=-7/100, 14-15=-7/100, 13-14=-7/100, 12-13=-7/100, 10-12=-7/100 |
| WEBS | 6-14=-98/0, 5-15=-66/69, 4-16=-156/136, 7-13=-66/69, 8-12=-156/136 |

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**JOINT STRESS INDEX**

2 = 0.43, 2 = 0.00, 3 = 0.00, 3 = 0.24, 3 = 0.24, 4 = 0.07, 5 = 0.04, 6 = 0.08, 7 = 0.04, 8 = 0.07, 9 = 0.00, 9 = 0.24, 9 = 0.24, 10 = 0.43, 10 = 0.00, 12 = 0.08, 13 = 0.04, 14 = 0.03, 15 = 0.04 and 16 = 0.08

January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930942 |
|---|---|---|---|---|---|
| L267009 | T02G | GABLE | 1 | 1 | Job Reference (optional) |



**NOTES**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 2, 224 lb uplift at joint 10, 62 lb uplift at joint 15, 70 lb uplift at joint 16, 58 lb uplift at joint 13 and 73 lb uplift at joint 12.
10) 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: 1-6=-64(F=-10), 6-11=-64(F=-10), 2-10=-10

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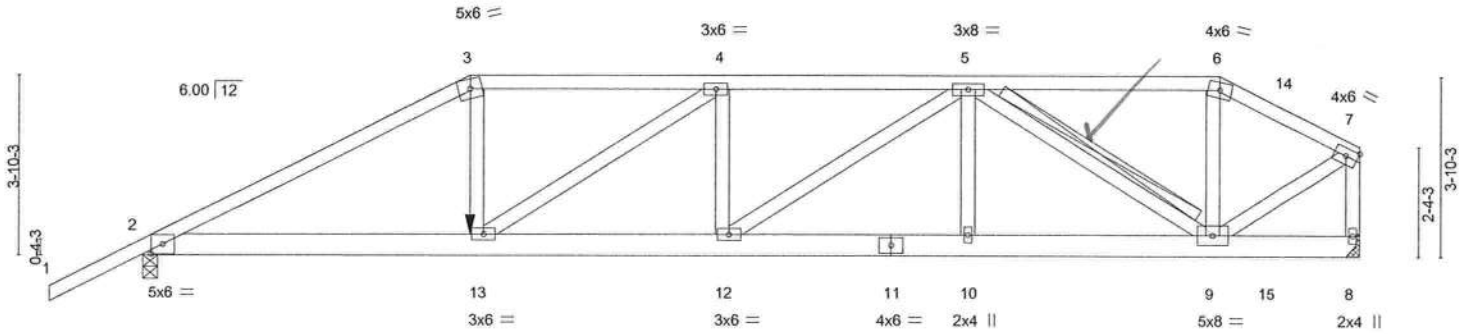
January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T03 | HIP | 1 | 1 | J1930943 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Jan 30 10:14:55 2008 Page 1


Scale = 1:47.4




Simpson HTU26


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

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.53 | Vert(LL) | -0.14 | 12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.43 | Vert(TL) | -0.28 | 12 | >999 | 240 | | |
| BCLL | 10.0 * | Rep Stress Incr | NO | WB | 0.58 | Horz(TL) | 0.07 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 157 lb | |

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

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

**REACTIONS** (lb/size) 2=1758/0-4-0, 8=1821/Mechanical
Max Horz 2=111(load case 5)
Max Uplift 2=-568(load case 5), 8=-564(load case 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-3252/1057, 3-4=-2870/985, 4-5=-3504/1213, 5-6=-1452/514, 6-14=-1540/526, 7-14=-1623/518, 7-8=-1699/534
BOT CHORD 2-13=-936/2831, 12-13=-1174/3504, 11-12=-1013/3040, 10-11=-1013/3040, 9-10=-1013/3040, 9-15=-12/30, 8-15=-12/30
WEBS 3-13=-270/965, 4-13=-865/336, 4-12=-201/175, 5-12=-193/567, 5-10=0/223, 5-9=-1920/661, 6-9=-9/258, 7-9=-557/1705

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**JOINT STRESS INDEX**
2 = 0.79, 3 = 0.84, 4 = 0.35, 5 = 0.92, 6 = 0.85, 7 = 0.74, 8 = 0.77, 9 = 0.79, 10 = 0.34, 11 = 0.81, 12 = 0.35 and 13 = 0.63

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.

January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930943 |
| L267009 | T03 | HIP | 1 | 1 | |
| | | | | | Job Reference (optional) |



**NOTES**

3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 568 lb uplift at joint 2 and 564 lb uplift at joint 8.
7) Girder carries tie-in span(s): 7-0-0 from 24-0-0 to 26-0-0
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: 1-3=-54, 3-6=-117(F=-63), 6-14=-117(F=-63), 7-14=-54, 2-13=-10, 13-15=-22(F=-12), 8-15=-85(F=-75)
   Concentrated Loads (lb)
   Vert: 13=-411(F)

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T04 | HIP | 1 | 1 | J1930944 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:42 2008 Page 1

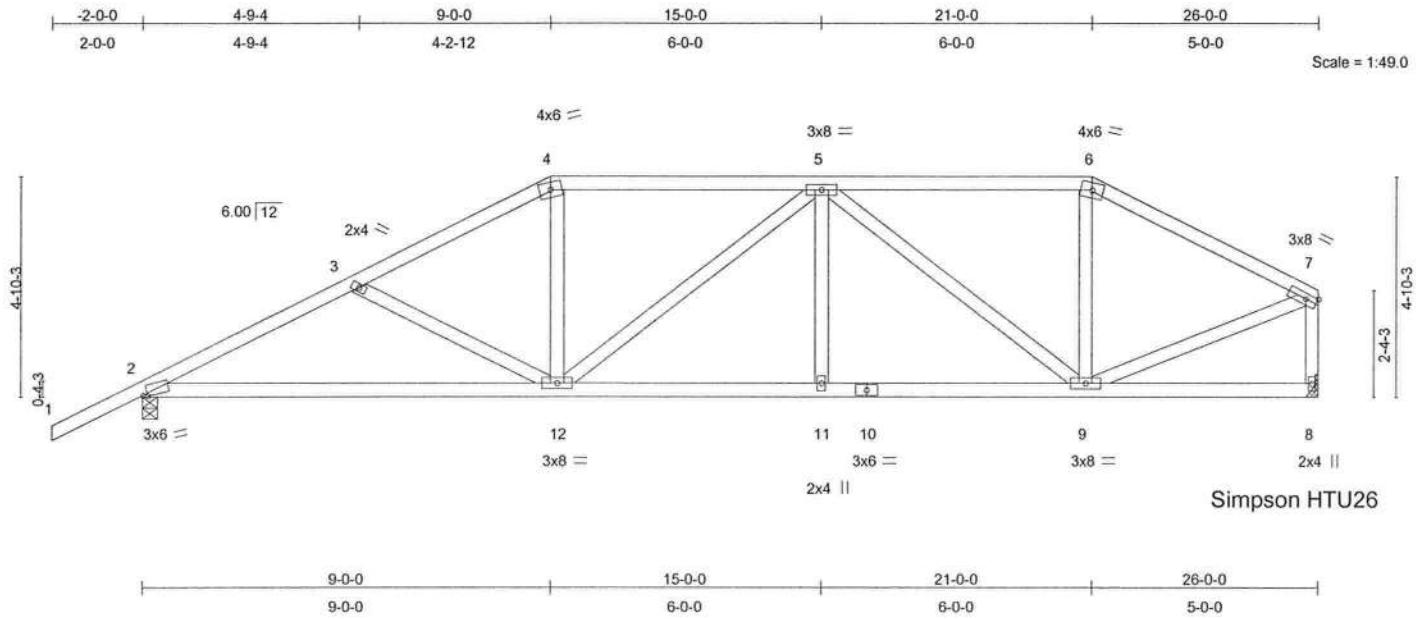


Plate Offsets (X,Y): [2:0-1-5,0-0-7]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.33 | Vert(LL) | -0.14 | 2-12 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.46 | Vert(TL) | -0.26 | 2-12 | >999 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.53 | Horz(TL) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 141 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-6 oc bracing.

**REACTIONS** (lb/size) 2=944/0-4-0, 8=817/Mechanical
Max Horz 2=145(load case 6)
Max Uplift 2=-252(load case 6), 8=-149(load case 4)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1470/765, 3-4=-1237/666, 4-5=-1072/653, 5-6=-753/491, 6-7=-892/486, 7-8=-789/447
BOT CHORD 2-12=-702/1249, 11-12=-579/1160, 10-11=-579/1160, 9-10=-579/1160, 8-9=-41/50
WEBS 3-12=-211/199, 4-12=-72/311, 5-12=-213/103, 5-11=0/152, 5-9=-559/269, 6-9=0/183, 7-9=-354/760

**JOINT STRESS INDEX**
2 = 0.82, 3 = 0.33, 4 = 0.58, 5 = 0.56, 6 = 0.60, 7 = 0.92, 8 = 0.47, 9 = 0.69, 10 = 0.38, 11 = 0.33 and 12 = 0.56

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930944 |
| L267009 | T04 | HIP | 1 | 1 | Job Reference (optional) |



**NOTES**

4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 252 lb uplift at joint 2 and 149 lb uplift at joint 8.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930945 |
|---|---|---|---|---|---|
| L267009 | T05 | HIP | 1 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:42 2008 Page 1

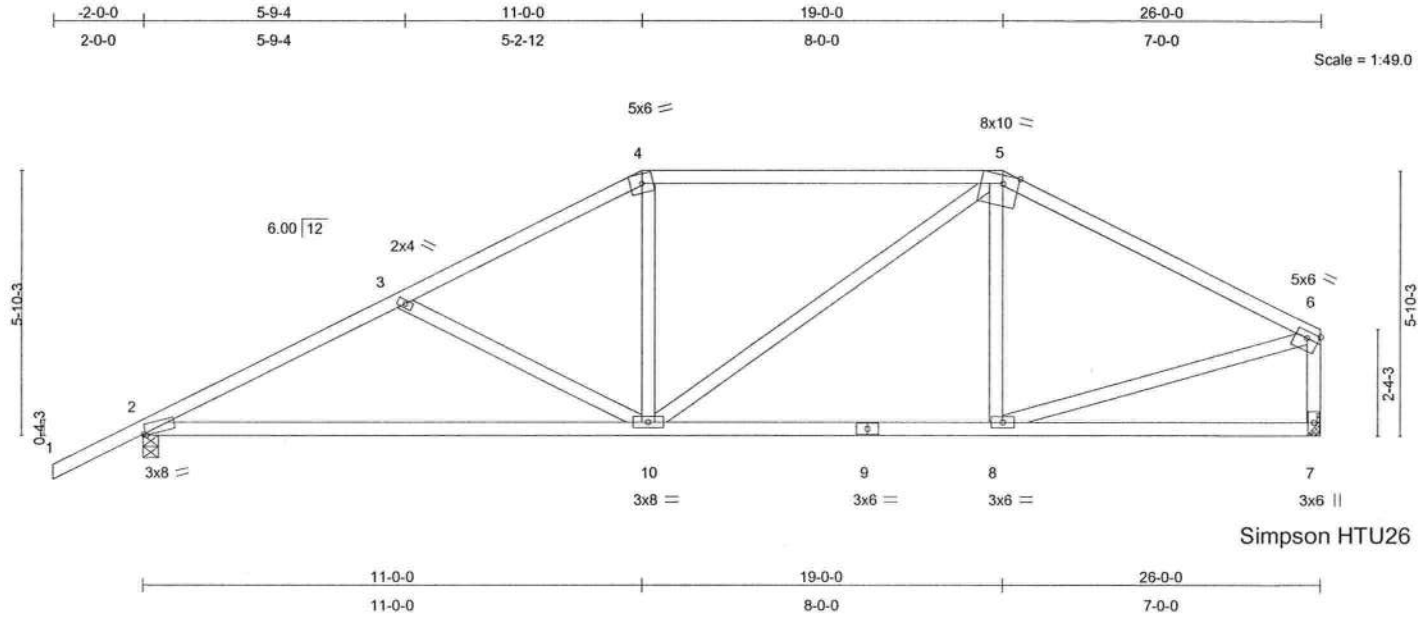


Plate Offsets (X,Y): [2:0-0-10,Edge], [5:0-4-3,Edge], [6:Edge,0-1-12]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.58 | Vert(LL) | -0.29 | 2-10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.60 | Vert(TL) | -0.53 | 2-10 | >585 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.30 | Horz(TL) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 135 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-0-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-11 oc bracing.

**REACTIONS** (lb/size) 2=944/0-4-0, 7=817/Mechanical
Max Horz 2=157(load case 6)
Max Uplift 2=-264(load case 6), 7=-141(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1437/775, 3-4=-1137/636, 4-5=-970/634, 5-6=-967/537, 6-7=-777/464
BOT CHORD 2-10=-702/1216, 9-10=-381/794, 8-9=-381/794, 7-8=-80/99
WEBS 3-10=-281/273, 4-10=-5/258, 5-10=-96/300, 5-8=-151/136, 6-8=-319/730

**JOINT STRESS INDEX**
2 = 0.86, 3 = 0.33, 4 = 0.67, 5 = 0.79, 6 = 0.70, 7 = 0.33, 8 = 0.40, 9 = 0.30 and 10 = 0.56

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930945 |
| L267009 | T05 | HIP | 1 | 1 | Job Reference (optional) |



**NOTES**

5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 2 and 141 lb uplift at joint 7.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T06 | HIP | 1 | 1 | J1930946 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:43 2008 Page 1

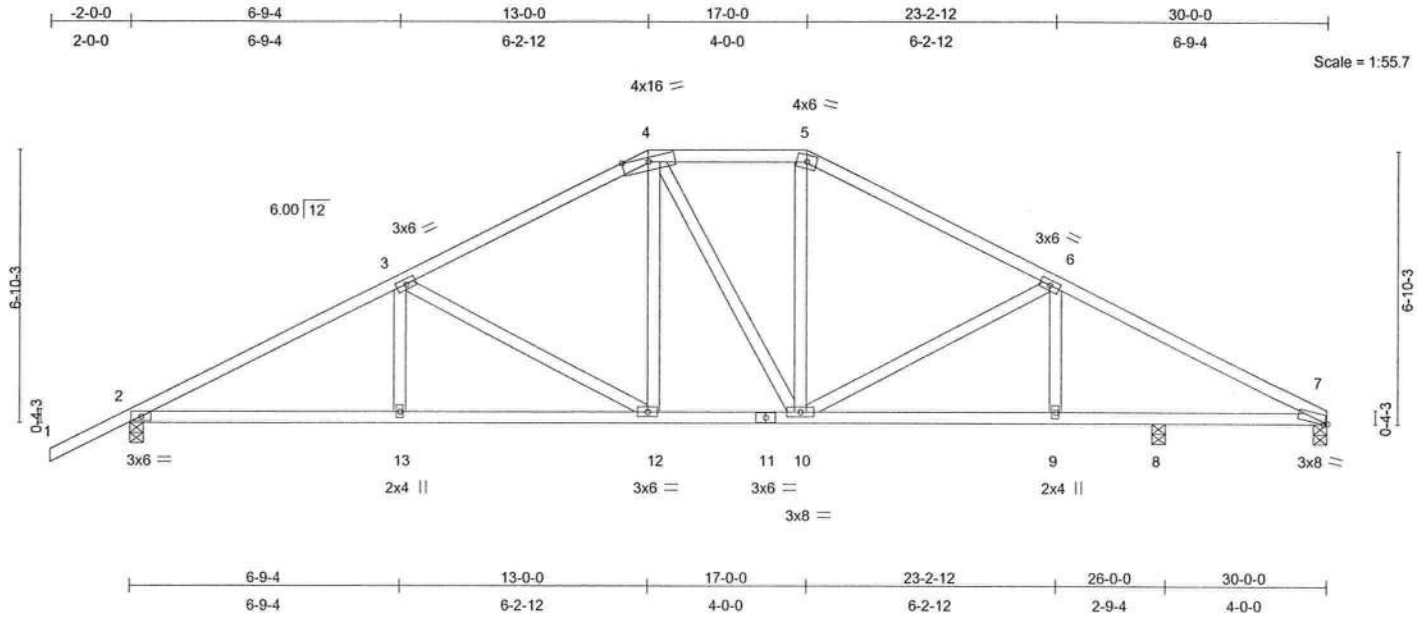


Plate Offsets (X,Y): [7:0-0-13,Edge]

| 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) | 0.11 | 9-10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.53 | Vert(TL) | -0.19 | 9-10 | >999 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.42 | Horz(TL) | 0.07 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 157 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-15 oc bracing.

**REACTIONS** (lb/size) 7=765/0-4-0, 2=1043/0-4-0, 8=208/0-4-0
Max Horz 2=126(load case 6)
Max Uplift 7=-198(load case 7), 2=-288(load case 6), 8=-107(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1666/871, 3-4=-1205/725, 4-5=-1004/709, 5-6=-1197/721, 6-7=-1504/793
BOT CHORD 2-13=-674/1409, 12-13=-674/1409, 11-12=-381/1010, 10-11=-381/1010, 9-10=-611/1263, 8-9=-611/1263, 7-8=-611/1263
WEBS 3-13=0/217, 3-12=-460/335, 4-12=-127/288, 4-10=-159/139, 5-10=-124/268, 6-10=-323/270, 6-9=-64/128

**JOINT STRESS INDEX**
2 = 0.72, 3 = 0.39, 4 = 0.83, 5 = 0.56, 6 = 0.39, 7 = 0.89, 9 = 0.33, 10 = 0.59, 11 = 0.39, 12 = 0.34 and 13 = 0.33

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch 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.

Continued on page 2

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930946 |
|---|---|---|---|---|---|
| L267009 | T06 | HIP | 1 | 1 | Job Reference (optional) |



**NOTES**

3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 7, 288 lb uplift at joint 2 and 107 lb uplift at joint 8.

**LOAD CASE(S)** Standard

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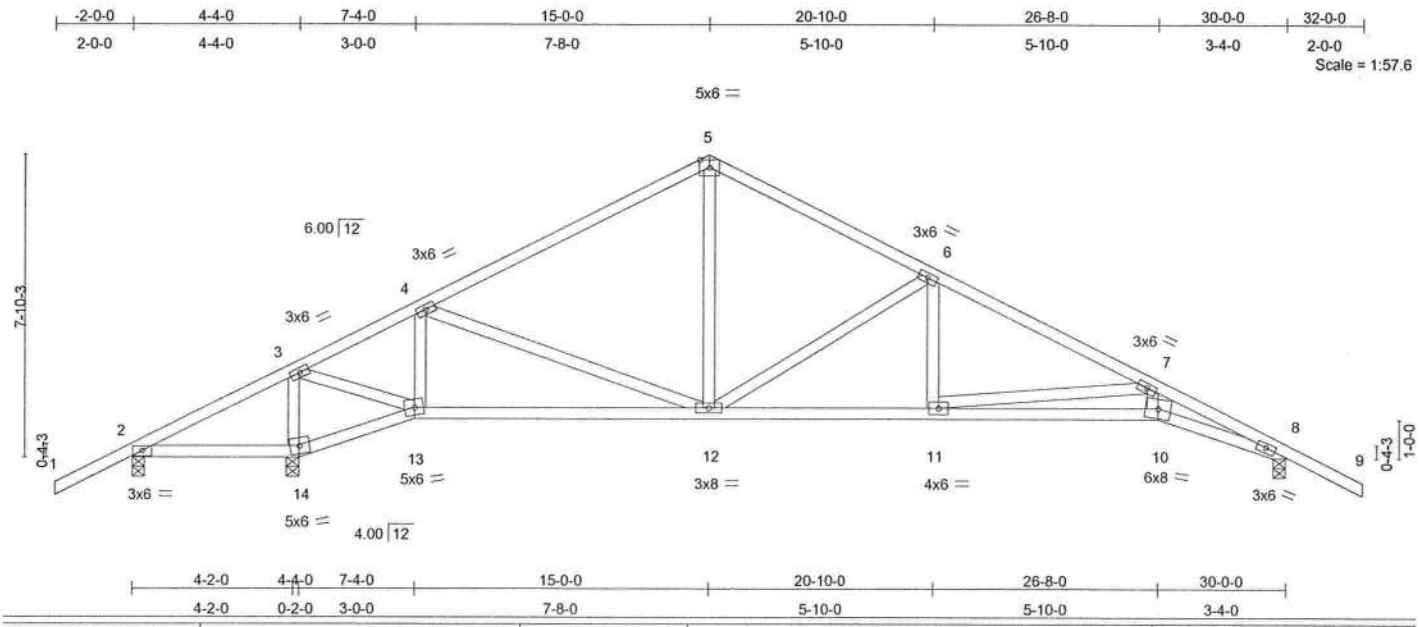
January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930947 |
|---|---|---|---|---|---|
| L267009 | T07 | SPECIAL | 9 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:44 2008 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 | 0.40 | Vert(LL) | 0.21 | 10-11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.69 | Vert(TL) | -0.36 | 10-11 | >850 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.69 | Horz(TL) | 0.15 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 158 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 3-7-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-9 oc bracing.

**REACTIONS** (lb/size) 2=-317/0-4-0, 14=1609/0-4-0, 8=840/0-4-0
Max Horz 2=124(load case 6)
Max Uplift 2=-379(load case 11), 14=-358(load case 6), 8=-275(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-525/1276, 3-4=-239/148, 4-5=-742/477, 5-6=-719/494, 6-7=-1281/716, 7-8=-2824/1316, 8-9=0/45
BOT CHORD 2-14=-1089/598, 13-14=-1238/683, 12-13=-95/228, 11-12=-399/1109, 10-11=-976/2285, 8-10=-1057/2541
WEBS 3-14=-1185/590, 3-13=-581/1309, 4-13=-778/466, 4-12=-125/540, 5-12=-127/303, 6-12=-631/410, 6-11=-66/310, 7-11=-1187/583, 7-10=-234/766

**JOINT STRESS INDEX**
2 = 0.50, 3 = 0.68, 4 = 0.39, 5 = 0.63, 6 = 0.39, 7 = 0.55, 8 = 0.81, 10 = 0.82, 11 = 0.33, 12 = 0.56, 13 = 0.58 and 14 = 0.68

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch 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.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930947 |
|---|---|---|---|---|---|
| L267009 | T07 | SPECIAL | 9 | 1 | Job Reference (optional) |



**NOTES**

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 379 lb uplift at joint 2, 358 lb uplift at joint 14 and 275 lb uplift at joint 8.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930948 |
|---|---|---|---|---|---|
| L267009 | T08 | MONO HIP | 1 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:45 2008 Page 1

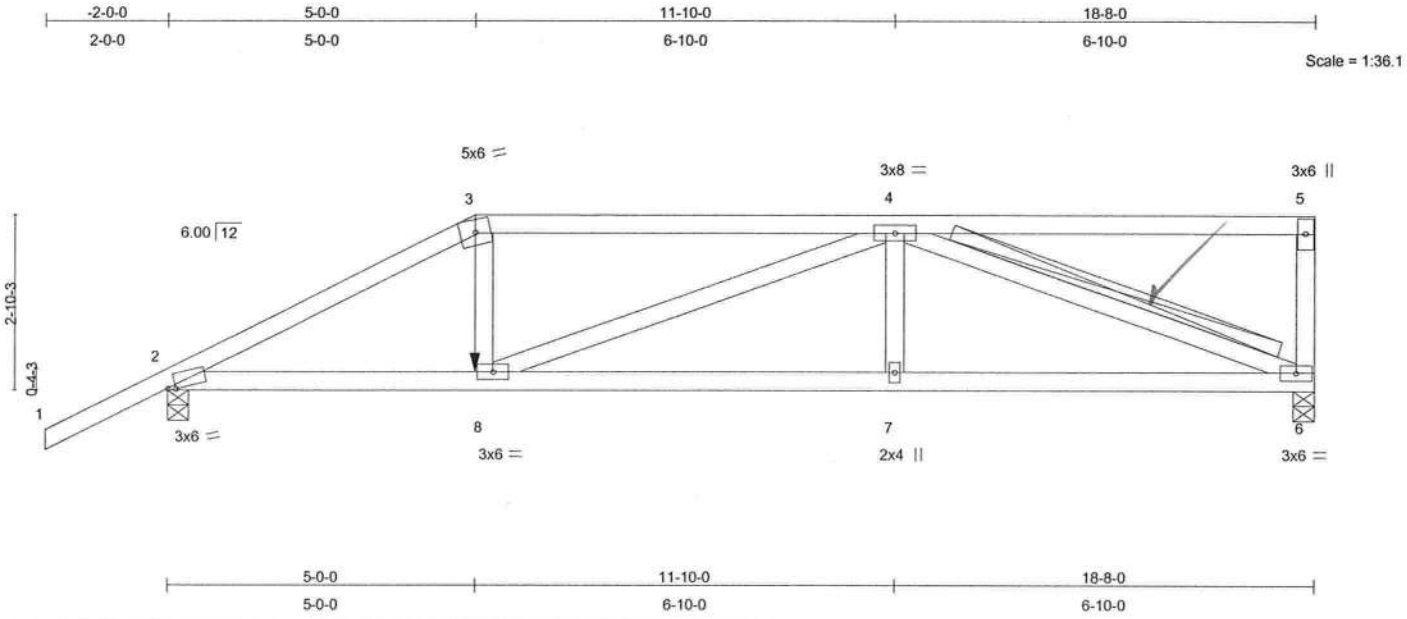


Plate Offsets (X,Y): [2:0-1-9,0-0-7]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.93 | Vert(LL) | -0.09 | 7-8 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.56 | Vert(TL) | -0.21 | 7-8 | >999 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | NO | WB | 0.57 | Horz(TL) | 0.05 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 90 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-15 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-6
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

**REACTIONS** (lb/size) 6=995/0-4-0, 2=1059/0-4-0
Max Horz 2=131(load case 5)
Max Uplift 6=-326(load case 4), 2=-336(load case 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1790/543, 3-4=-1564/513, 4-5=-139/45, 5-6=-283/138
BOT CHORD 2-8=-510/1543, 7-8=-602/1829, 6-7=-602/1829
WEBS 3-8=-63/363, 4-8=-283/145, 4-7=0/253, 4-6=-1809/596

**JOINT STRESS INDEX**
2 = 0.76, 3 = 0.68, 4 = 0.81, 5 = 0.71, 6 = 0.57, 7 = 0.33 and 8 = 0.34

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.

Continued on page 2

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T08 | MONO HIP | 1 | 1 | J1930948<br>Job Reference (optional) |



**NOTES**

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 326 lb uplift at joint 6 and 336 lb uplift at joint 2.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-90(F=-36), 2-8=-10, 6-8=-17(F=-7)
   Concentrated Loads (lb)
   Vert: 8=-187(F)

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930949 |
|---|---|---|---|---|---|
| L267009 | T09 | SPECIAL | 1 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:46 2008 Page 1

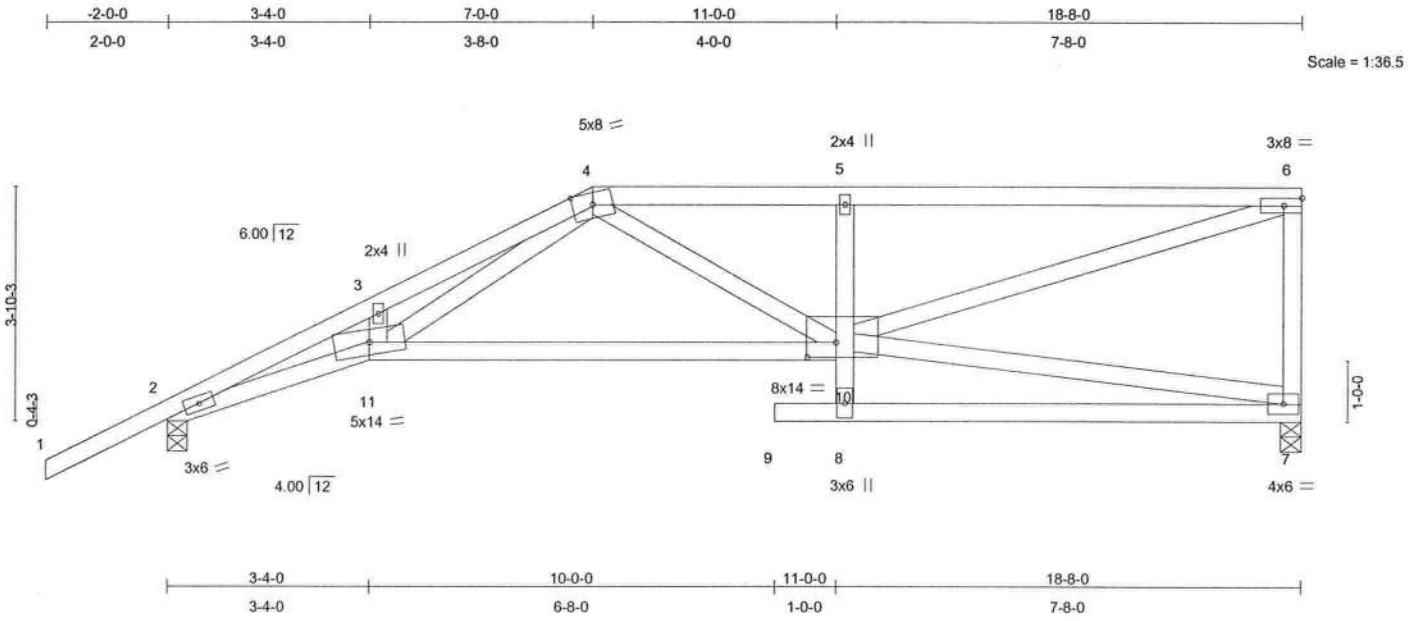


Plate Offsets (X,Y): [10:0-5-11,0-2-15]

| 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) | 0.19 | 10-11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.44 | Vert(TL) | -0.32 | 10-11 | >680 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.62 | Horz(TL) | 0.12 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 107 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 5-8 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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

**REACTIONS** (lb/size) 7=587/0-4-0, 2=716/0-4-0
Max Horz 2=162(load case 6)
Max Uplift 7=-154(load case 5), 2=-203(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2196/1051, 3-4=-2089/1115, 4-5=-1094/570, 5-6=-1112/603, 6-7=-556/333
BOT CHORD 2-11=-1074/1957, 10-11=-577/980, 8-10=0/148, 5-10=-320/233, 8-9=0/0, 7-8=-13/29
WEBS 3-11=-9/123, 4-11=-572/1068, 4-10=-56/176, 7-10=-67/87, 6-10=-598/1099

**JOINT STRESS INDEX**
2 = 0.65, 3 = 0.33, 4 = 0.36, 5 = 0.84, 6 = 0.67, 7 = 0.37, 8 = 0.39, 10 = 0.30 and 11 = 0.66

**NOTES**
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930949 |
|---|---|---|---|---|---|
| L267009 | T09 | SPECIAL | 1 | 1 | Job Reference (optional) |



**NOTES**

3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
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 154 lb uplift at joint 7 and 203 lb uplift at joint 2.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 J1930950 |
|---|---|---|---|---|---|
| L267009 | T10 | SPECIAL | 1 | 1 | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:47 2008 Page 1

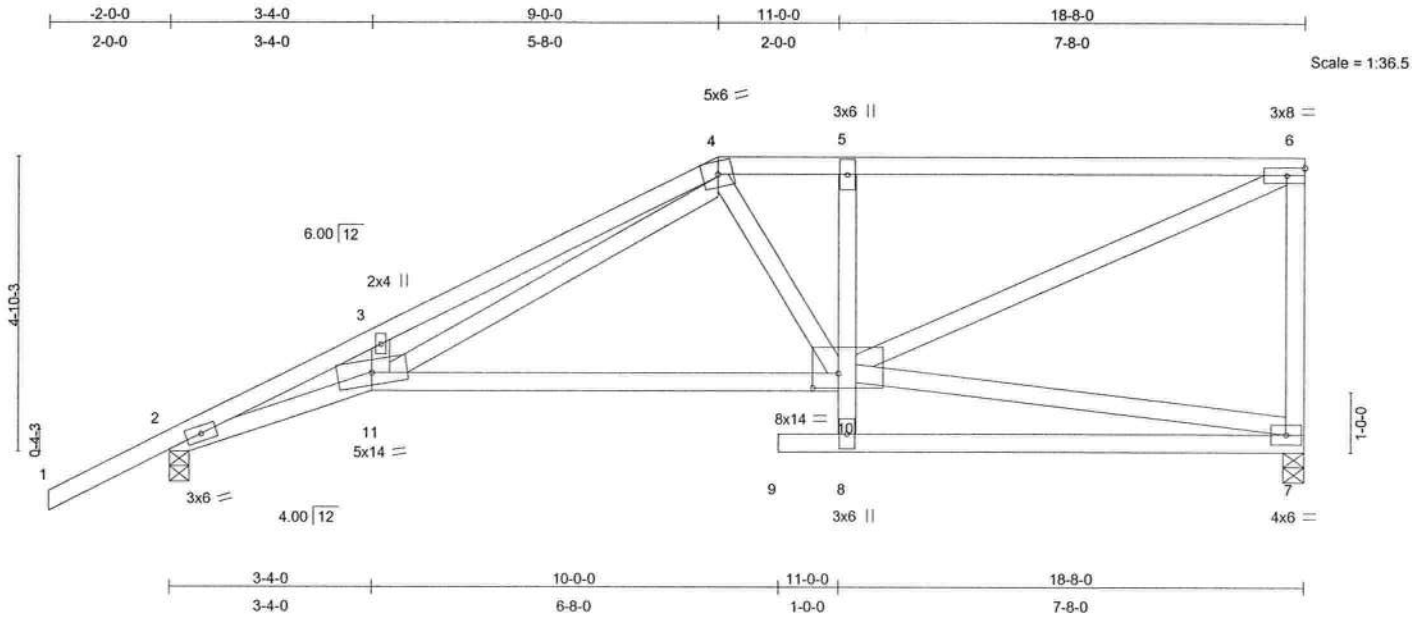


Plate Offsets (X,Y): [10:0-5-1,0-2-15]

| 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) | 0.24 | 10-11 | >933 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.52 | Vert(TL) | -0.37 | 10-11 | >596 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.60 | Horz(TL) | 0.14 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 113 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 5-8 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-4 oc bracing.

**REACTIONS** (lb/size) 7=587/0-4-0, 2=716/0-4-0
Max Horz 2=194(load case 6)
Max Uplift 7=-151(load case 5), 2=-210(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2201/1119, 3-4=-2154/1244, 4-5=-792/442, 5-6=-815/471, 6-7=-560/350
BOT CHORD 2-11=-1194/1965, 10-11=-495/794, 8-10=0/149, 5-10=-309/158, 8-9=0/0, 7-8=-65/59
WEBS 3-11=-87/169, 4-11=-811/1295, 4-10=-45/152, 7-10=-87/119, 6-10=-492/846

**JOINT STRESS INDEX**
2 = 0.65, 3 = 0.33, 4 = 0.63, 5 = 0.29, 6 = 0.62, 7 = 0.34, 8 = 0.41, 10 = 0.40 and 11 = 0.77

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.

Continued on page 2

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930950 |
| L267009 | T10 | SPECIAL | 1 | 1 | |
| | | | | | Job Reference (optional) |



**NOTES**

4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 7 and 210 lb uplift at joint 2.

**LOAD CASE(S)** Standard

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January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T11 | SPECIAL | 1 | 1 | J1930951 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:47 2008 Page 1

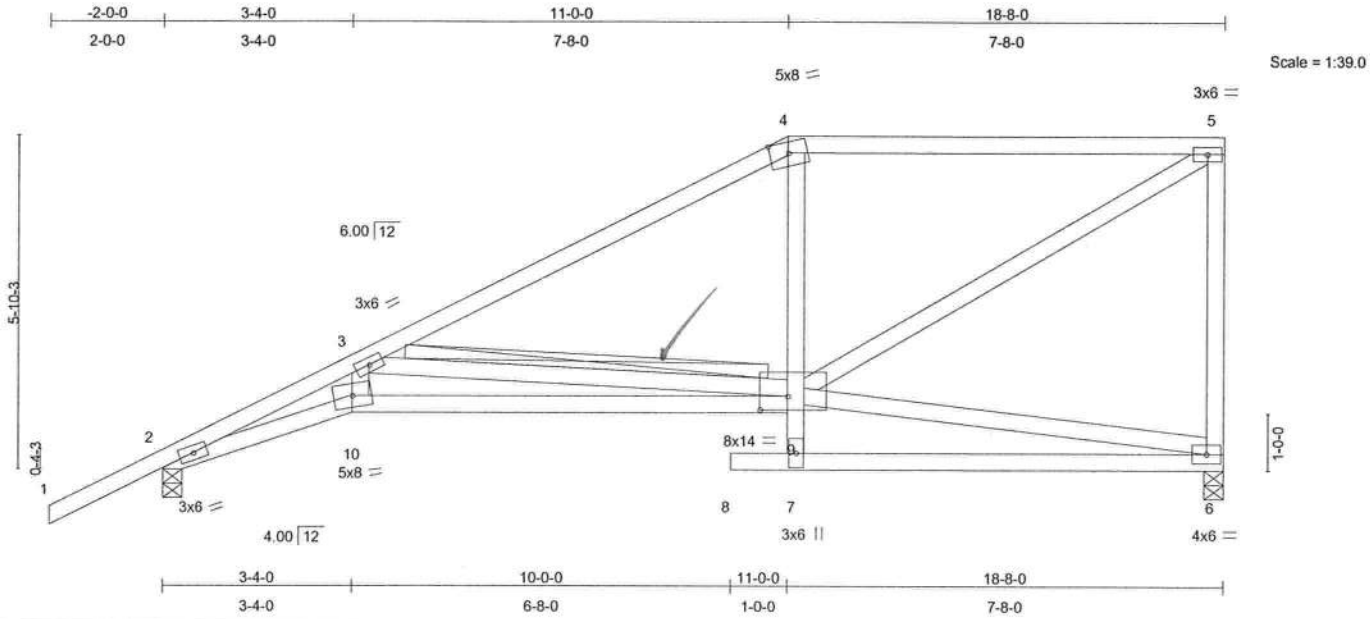


Plate Offsets (X,Y): [9:0-5-14,0-2-14]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.73 | Vert(LL) | 0.24 | 9-10 | >925 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.55 | Vert(TL) | -0.35 | 9-10 | >625 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.58 | Horz(TL) | 0.15 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 113 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
4-7 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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

**REACTIONS** (lb/size) 6=587/0-4-0, 2=716/0-4-0
Max Horz 2=226(load case 6)
Max Uplift 6=-148(load case 5), 2=-212(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2335/1256, 3-4=-821/376, 4-5=-645/405, 5-6=-555/362
BOT CHORD 2-10=-1386/2103, 9-10=-1279/1890, 7-9=0/151, 4-9=-134/189, 7-8=0/0, 6-7=-34/26
WEBS 3-10=-315/661, 3-9=-1228/853, 6-9=-38/71, 5-9=-456/715

**JOINT STRESS INDEX**
2 = 0.68, 3 = 0.48, 4 = 0.91, 5 = 0.77, 6 = 0.31, 7 = 0.42, 9 = 0.51 and 10 = 0.81

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930951 |
| L267009 | T11 | SPECIAL | 1 | 1 | Job Reference (optional) |



**NOTES**

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
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 148 lb uplift at joint 6 and 212 lb uplift at joint 2.

**LOAD CASE(S)** Standard

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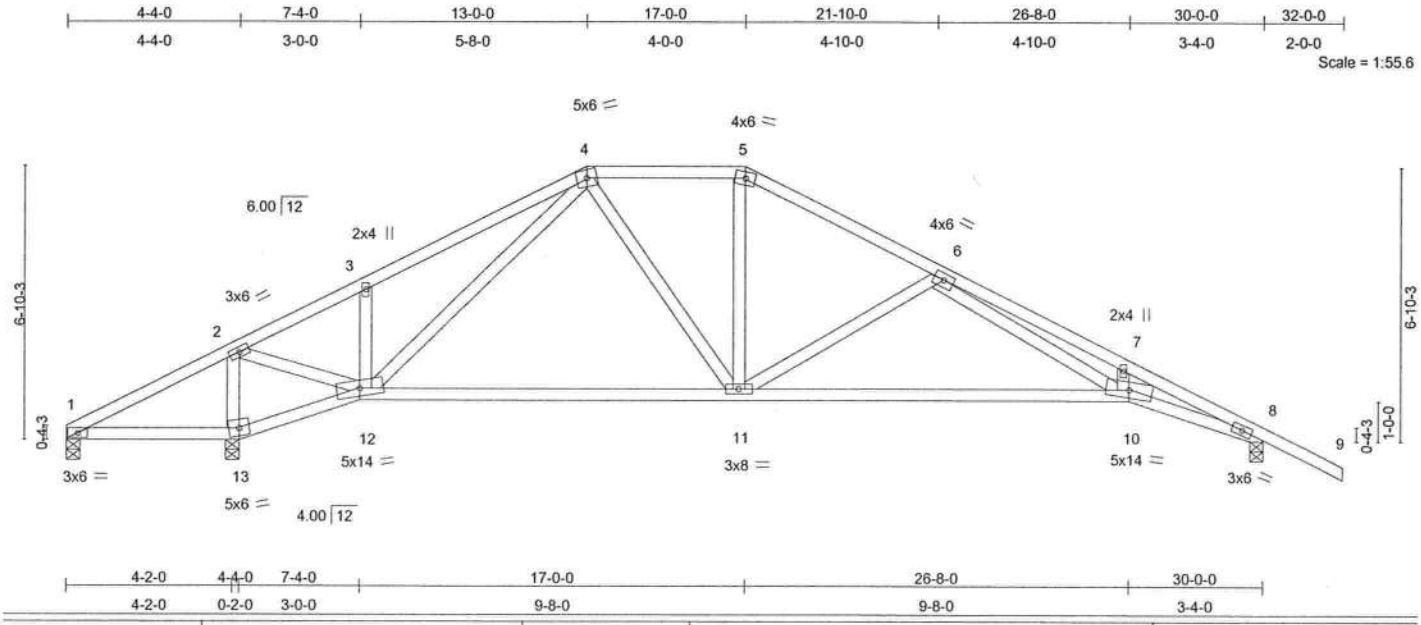
January 30,2008

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| L267009 | T12 | SPECIAL | 1 | 1 | J1930952 |
| | | | | | Job Reference (optional) |

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Jan 30 09:51:48 2008 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 | 0.38 | Vert(LL) | -0.25 | 10-11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.55 | Vert(TL) | -0.56 | 10-11 | >549 | 240 | | |
| BCLL | 10.0 | * Rep Stress Incr | YES | WB | 0.77 | Horz(TL) | 0.16 | 8 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2004/TPI2002 | | (Matrix) | | | | | | | Weight: 155 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-3 oc bracing.

**REACTIONS** (lb/size) 1=-477/0-4-0, 13=1655/0-4-0, 8=838/0-4-0
Max Horz 1=-125(load case 7)
Max Uplift 1=-477(load case 1), 13=-367(load case 6), 8=-266(load case 7)
Max Grav 1=21(load case 6), 13=1655(load case 1), 8=838(load case 1)

**FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-534/1284, 2-3=-239/111, 3-4=-268/229, 4-5=-725/521, 5-6=-875/526, 6-7=-2672/1254, 7-8=-2795/1172, 8-9=0/45
BOT CHORD 1-13=-1086/591, 12-13=-1233/679, 11-12=-51/548, 10-11=-458/1192, 8-10=-916/2506
WEBS 2-13=-1224/617, 2-12=-517/1291, 3-12=-244/252, 4-12=-710/275, 4-11=-106/385, 5-11=-71/213, 6-11=-548/406, 6-10=-531/1411, 7-10=0/153

**JOINT STRESS INDEX**
1 = 0.46, 2 = 0.67, 3 = 0.33, 4 = 0.40, 5 = 0.36, 6 = 0.48, 7 = 0.33, 8 = 0.80, 10 = 0.81, 11 = 0.56, 12 = 0.40 and 13 = 0.69

**NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch 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.

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January 30,2008

Continued on page 2

| Job | Truss | Truss Type | Qty | Ply | COMPASS / MODEL 1300 |
|---|---|---|---|---|---|
| | | | | | J1930952 |
| L267009 | T12 | SPECIAL | 1 | 1 | |
| | | | | | Job Reference (optional) |



**NOTES**

3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 477 lb uplift at joint 1, 367 lb uplift at joint 13 and 266 lb uplift at joint 8.

**LOAD CASE(S)** Standard

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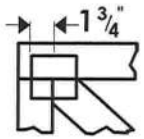
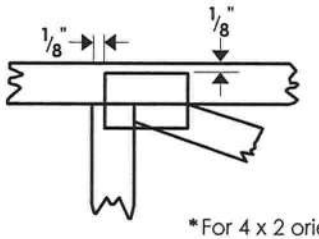
January 30,2008

# 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 seat.




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

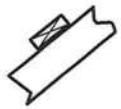
*This symbol indicates the required direction of slots in connector plates.

## PLATE SIZE

4 x 4

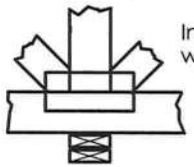
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING



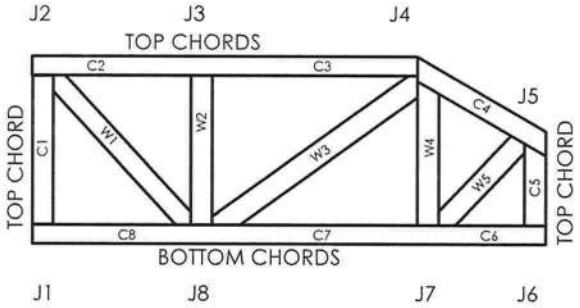
Indicates location of required continuous lateral bracing.

## 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-N |
| NER | 561 |

MiTek®

TEE-LOK®

**MiTek 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.

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

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

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

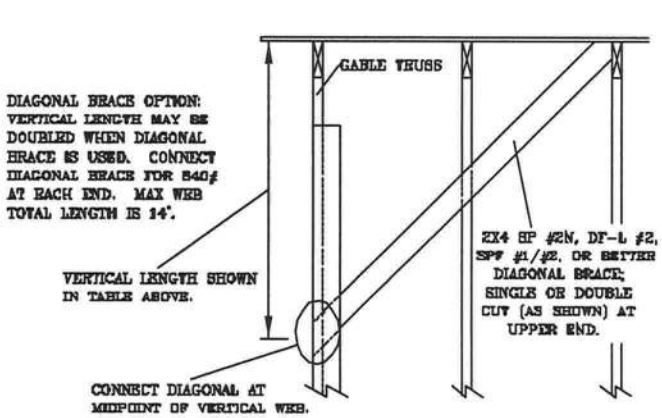
| SOUTHERN PINE |
|---|
| #3 |
| STUD |
| STANDARD |

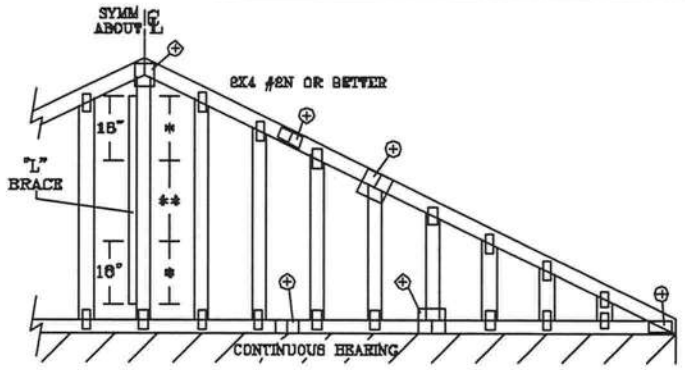
GROUP B:

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

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

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




REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

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

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

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

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

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


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


No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

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

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

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

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

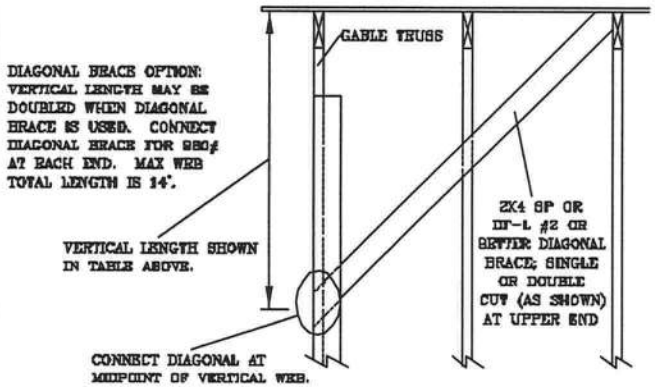
| SOUTHERN PINE |
|---|
| #3 |
| STUD |
| STANDARD |

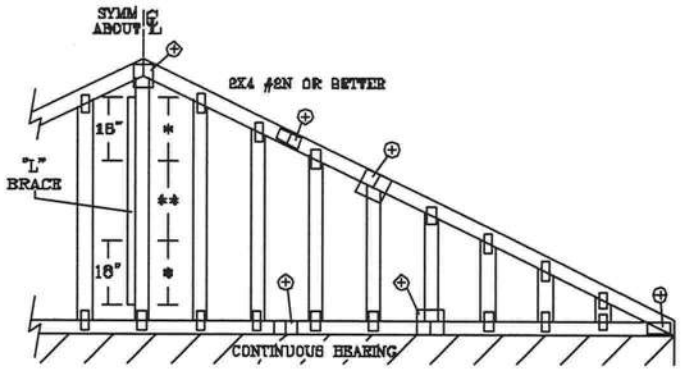
GROUP B:

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

| SOUTHERN PINE |
|---|
| #3 |
| #2 |

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




REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (6 PSF TC DEAD LOAD).

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

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

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

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

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DELRAY BEACH, FL. 33444-2161

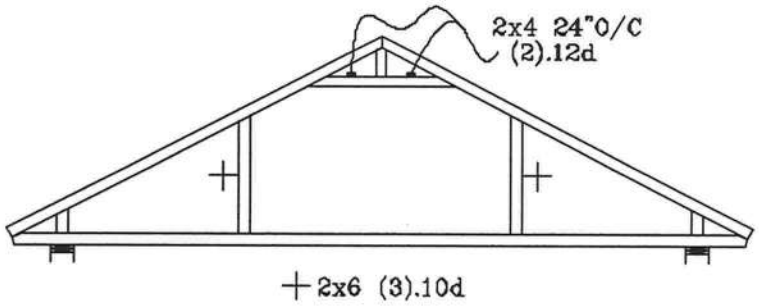

No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

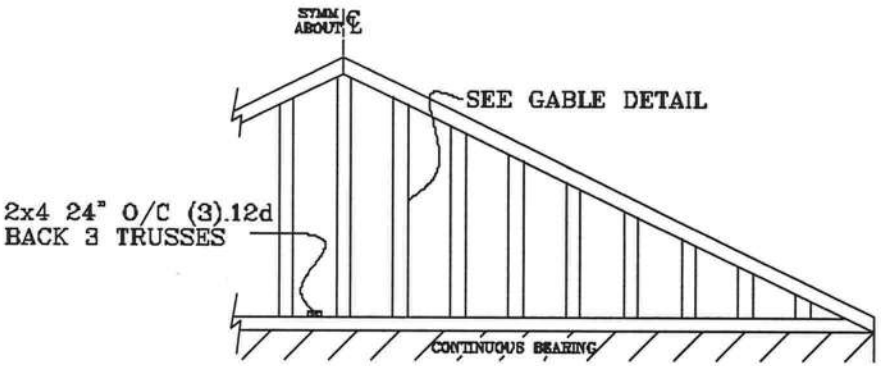
MAX. SPACING 24.0"

REF ASCE7-02-GAB13090
DATE 11/26/03
DWG MiTek STD GABLE 90' E H7
-ENG

# TYPICAL ATTIC TRUSS BRACING

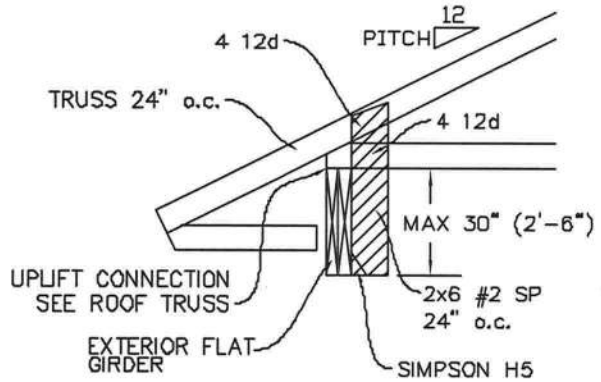



# GABLE END TRUSS DETAIL

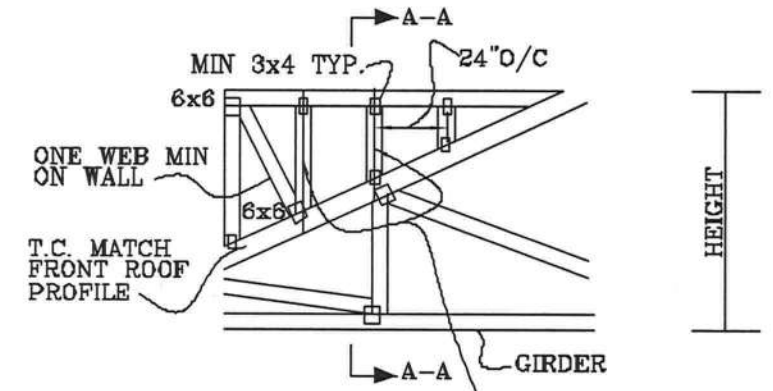


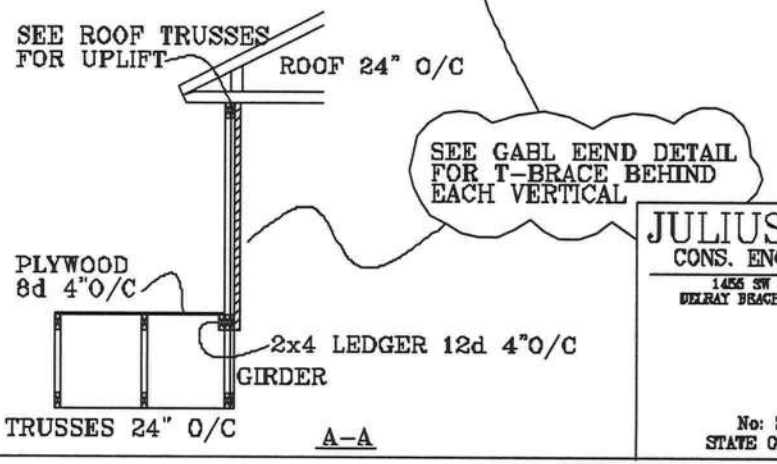

MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

# TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS




# TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL




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

No: 34869
STATE OF FLORIDA

# PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

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

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

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

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

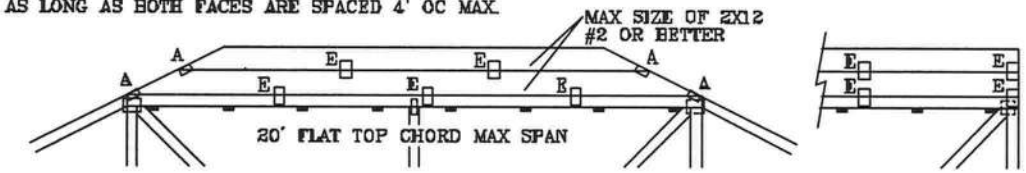
110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

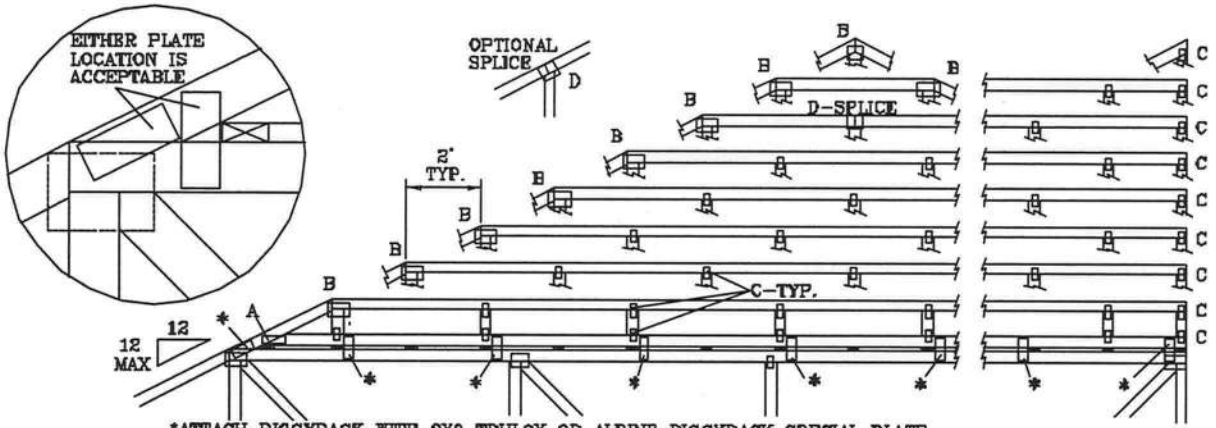
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

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

| JOINT TYPE | SPANS UP TO | | | |
|---|---|---|---|---|
| | 30' | 34' | 38' | 62' |
| A | 2X4 | 2.5X4 | 2.5X4 | 3X6 |
| B | 4X6 | 5X6 | 5X6 | 5X6 |
| C | 1.5X3 | 1.5X4 | 1.5X4 | 1.5X4 |
| D | 5X4 | 5X5 | 5X5 | 5X6 |
| E | 4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY | | | |

ATTACH TRULOX PLATES WITH (6) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.



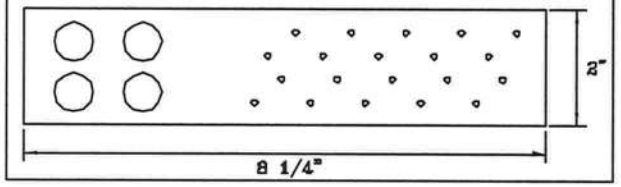




*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

| WEB BRACING CHART | |
|---|---|
| WEB LENGTH | REQUIRED BRACING |
| 0' TO 7'9" | NO BRACING |
| 7'9" TO 10' | 1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 6d NAILS AT 4" OC. |
| 10' TO 14' | 2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC. |

* PIGGYBACK SPECIAL PLATE

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




THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 537199 AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 537190 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.


JULIUS LEE'S
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No: 34869
STATE OF FLORIDA


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

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

# VALLEY TRUSS DETAIL

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

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

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

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

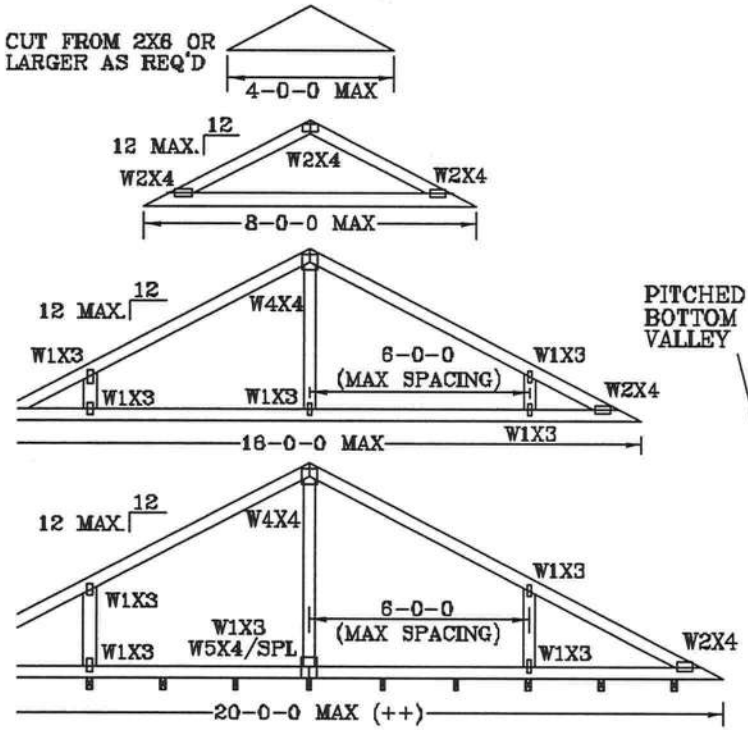
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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

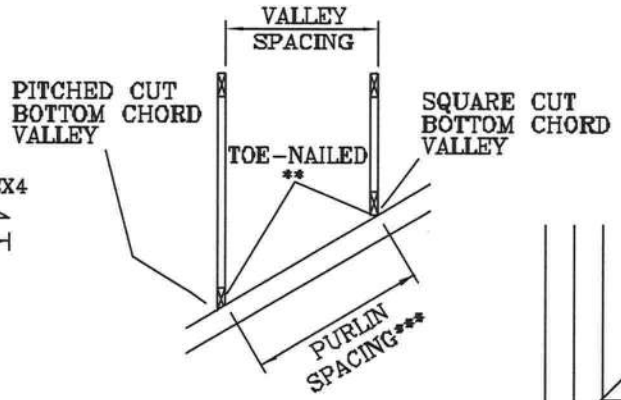
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

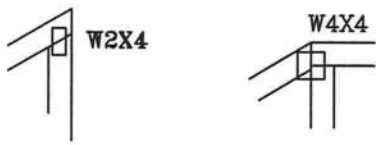
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



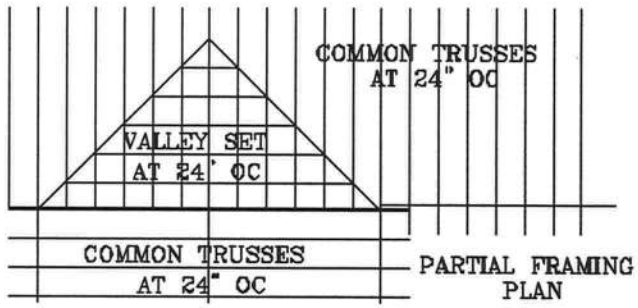

SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.










THIS DRAWING REPLACES DRAWING A105

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.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No: 34869
STATE OF FLORIDA


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

# TOE-NAIL DETAIL

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

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

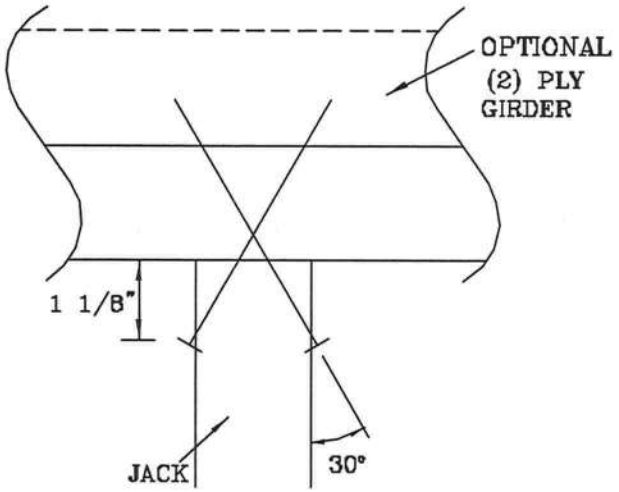
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

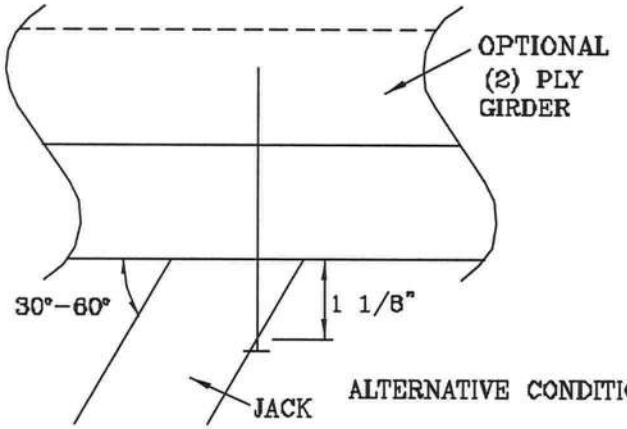
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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

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

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




ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

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No: 34869
STATE OF FLORIDA


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

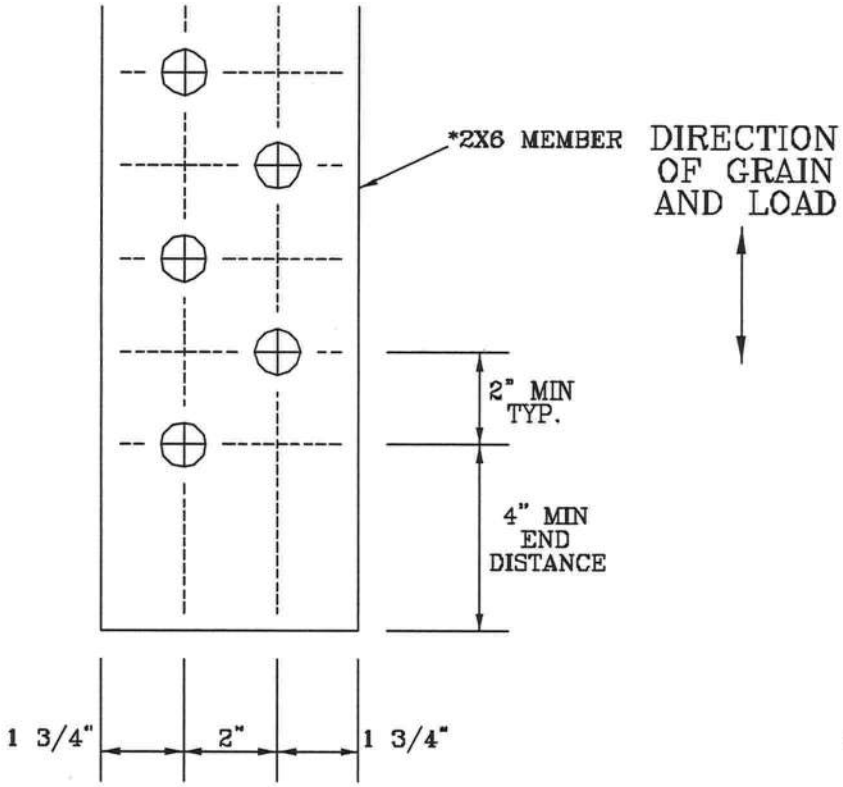
# 1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

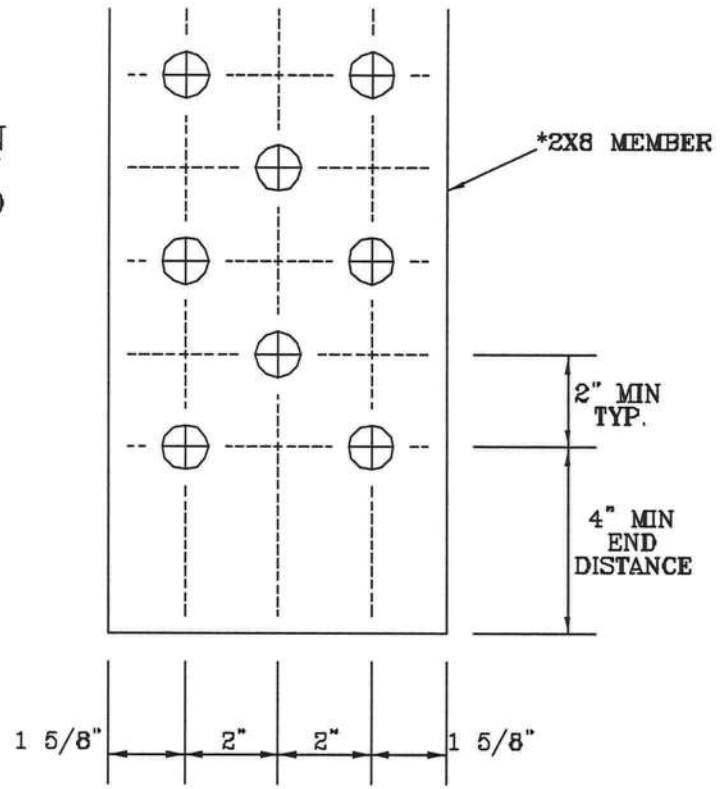
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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

WASHERS REQUIRED UNDER BOLT HEAD AND NUT




2X6 DETAIL




2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

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

No: 34869
STATE OF FLORIDA


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

# TRULOX CONNECTION DETAIL

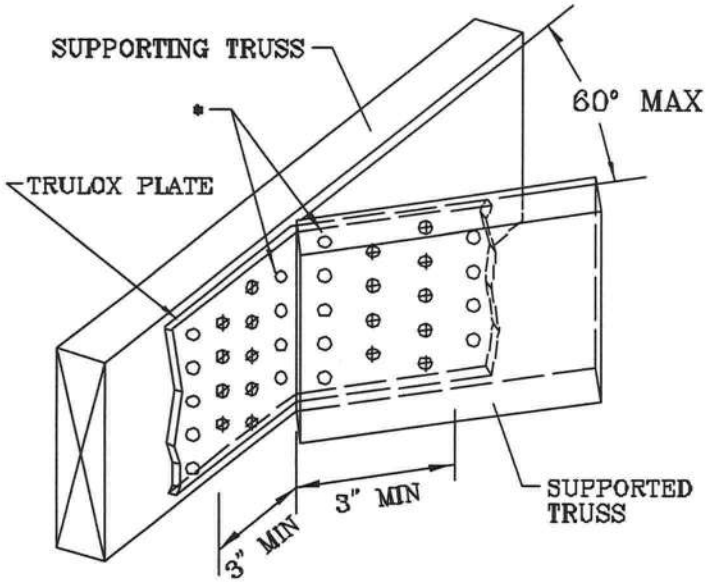
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

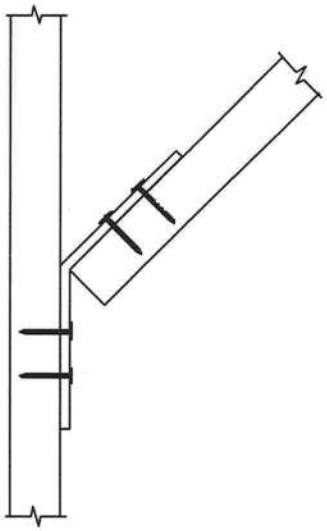
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

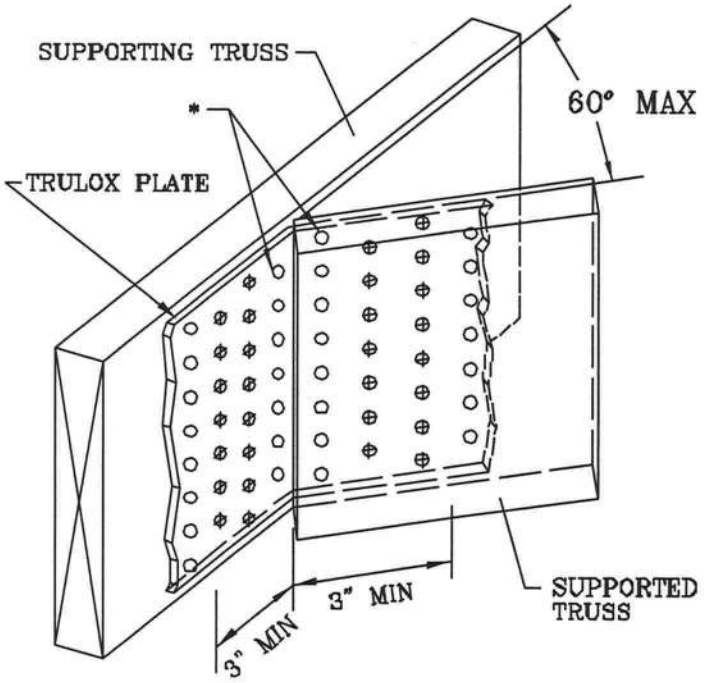
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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




MINIMUM 3X6 TRULOX PLATE






MINIMUM 5X6 TRULOX PLATE

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

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

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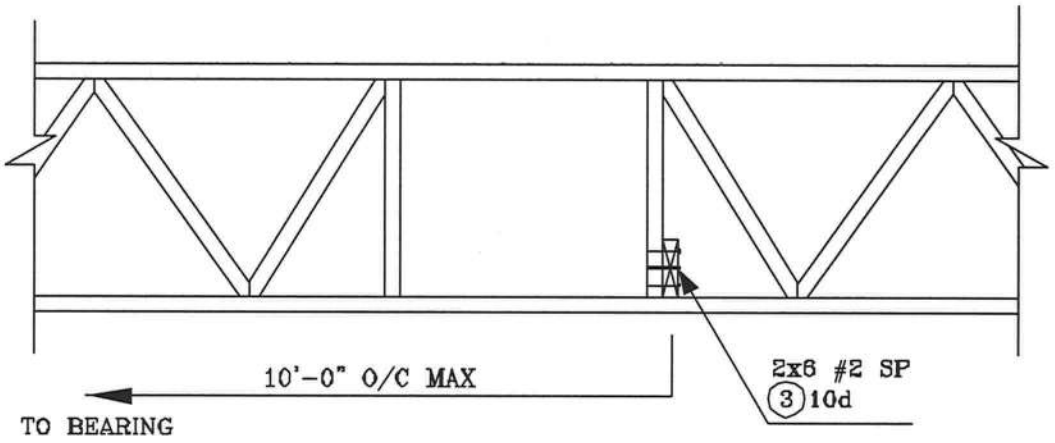
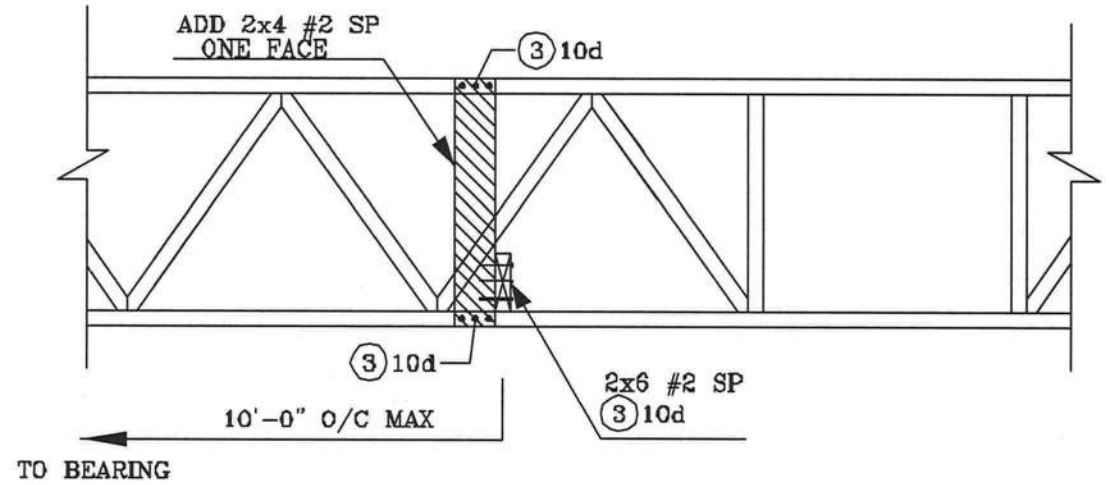
No: 34869
STATE OF FLORIDA


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

# STRONG BACK DETAIL
# SYSTEM–42 OR FLAT TRUSS




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

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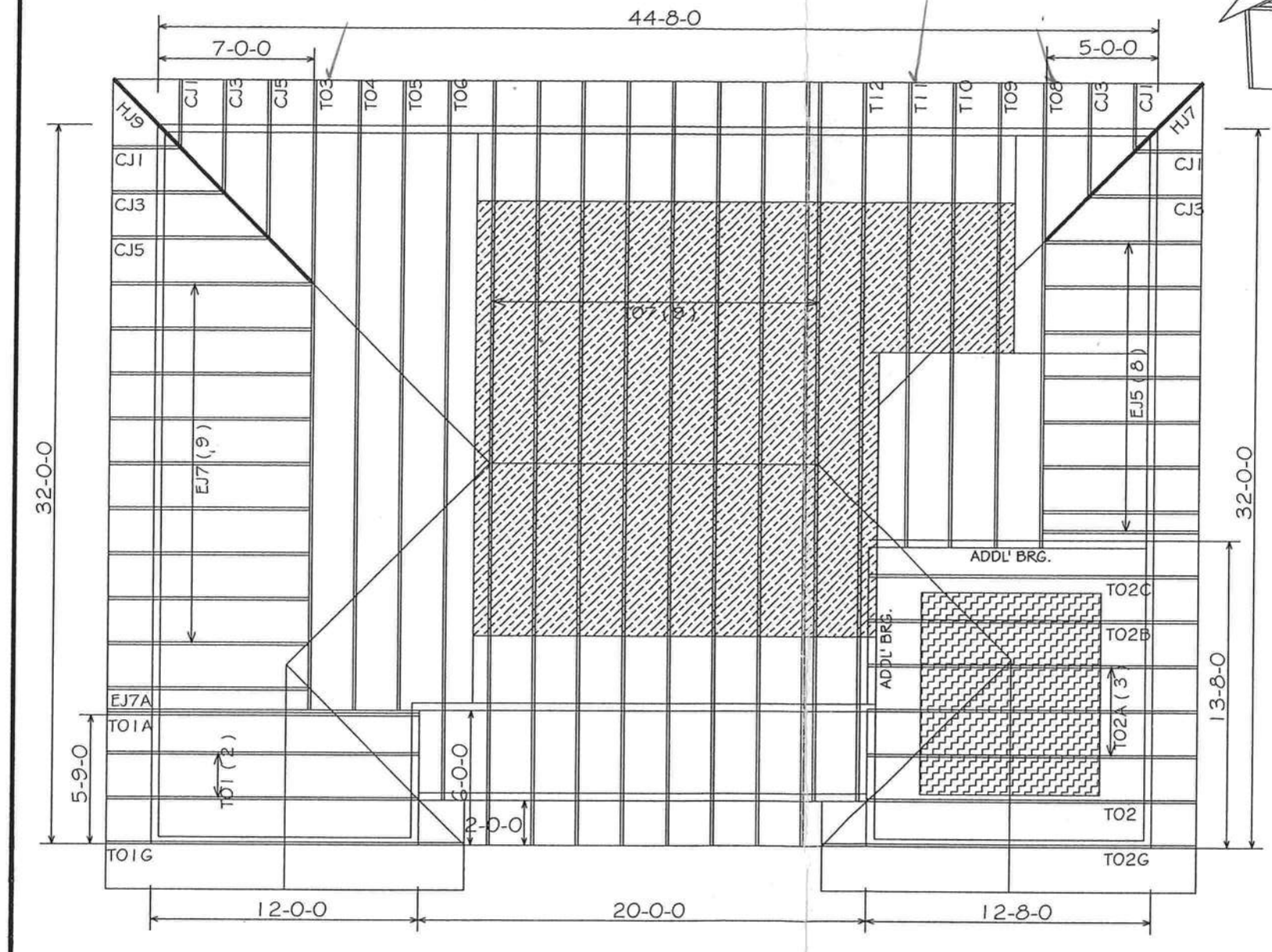
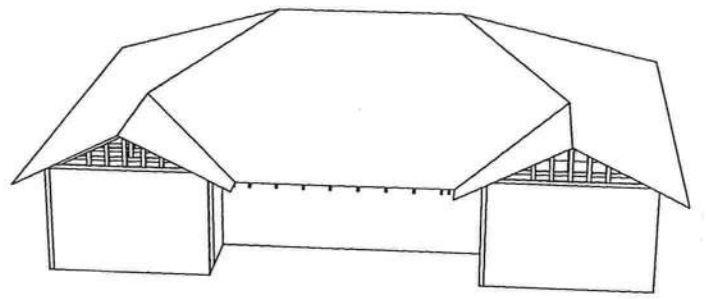
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA



TRUSS INFORMATION:

ROOF PITCH: 6/12

CEILING: 4/12 AT DINING/KITCHEN/GREAT ROOM TO GO TO 9' CLG.

TRAY CLG. @ MASTER BDRM.

OVERHANG: 2' 0"

HANGER LIST:
3 - HTU26

VALLEY:
FRAMED BY OTHERS

NOTE: ADDL' BEARING NEEDED FOR TRUSSES SEE NOTE

BEARING HEIGHT SCHEDULE

8' 0"

INDICATES TRAY CLG.

INDICATES 9' CLG.

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 V105 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) ST42 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: 904-437-3494

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

Lake City
PHONE: 386-755-6884 FAX: 386-755-7473

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


BUILDER: Paul Phaney

LEGAL ADDRESS: 168 Freeman

TRUSS#: 1300 REVISION:

SCALE: NTS

DATE: 1/30/08 DRAWN BY: JP JOB #: L267009

ATTN: Weesie

# Columbia County Building Department
# Culvert Waiver

**Culvert Waiver No. 000001779**

DATE: 12/21/2009 BUILDING PERMIT NO. 28293

APPLICANT PAUL PHINNEY PHONE 386.984.0905

ADDRESS 385 SW PEACE ROAD LAKE CITY FL 32024

OWNER PAUL PHINNEY PHONE 386.984.0905

ADDRESS 160 SW FREEMAN GLN LAKE CITY FL 32024

CONTRACTOR PAUL PHINNEY PHONE 386.984.0905

LOCATION OF PROPERTY 47-S TO SOUTHWOOD S.D,TL TO FREEMAN GLN,TR AND IT'S THE 2ND HOME ON L.

L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 01-5S-16-03390-013

**I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.**

**SIGNATURE:** √ Paul Phinney

**A SEPARATE CHECK IS REQUIRED**
**MAKE CHECKS PAYABLE TO BCC**

**Amount Paid 50.00**

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**PUBLIC WORKS DEPARTMENT USE ONLY**

**I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:**

_____ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: Private

SIGNED: James Thomas DATE: 12-29-09

**ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

RECEIVED
DEC 23 2009
By

COLUMBIA COUNTY FLORIDA

# New Construction Subterranean Termite Service Record

This form is completed by the licensed Pest Control Company.

**Public reporting burden** for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise. 28293 28923

**Section 1: General Information** (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.

Company Address P.O. Box 1795 City Lake City State FL Zip 32056

Company Business License No. JB100476 Company Phone No. 386-755-2611

FHA/VA Case No. (if any)

**Section 2: Builder Information**

Company Name Paul Phinney Phone No. 984-0905

**Section 3: Property Information**

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) [redacted] 160 SW [illegible] Gln Lake City, FL 32024

**Section 4: Service Information**

Date(s) of Service(s) 12-23-2009

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other

Check all that apply:

☑ A. Soil Applied Liquid Termiticide

Brand Name of Termiticide: Maxx-Thor EPA Registration No. 53883-189

Approx. Dilution (%): .6 Approx. Total Gallons Mix Applied: 140 Treatment completed on exterior: ☑ Yes ☐ No

☐ B. Wood Applied Liquid Termiticide

Brand Name of Termiticide: EPA Registration No.

Approx. Dilution (%): Approx. Total Gallons Mix Applied:

☐ C. Bait System Installed

Name of System EPA Registration No. Number of Stations Installed

☐ D. Physical Barrier System Installed

Name of System Attach installation information (required)

Service Agreement Available? ☑ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) Cliff Lacey Certification No. (if required by State law) JF104276

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature Cliff Lacey Date 12-23-2009

**Warning:** HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

# 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** 01-5S-16-03390-013 **Building permit No.** 000028293

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

**Permit Holder** PAUL PHINNEY **Waste:**

**Owner of Building** PAUL PHINNEY **Total:** 0.00

**Location:** 160 SW FREEMAN GLEN, LAKE CITY, FL

**Date:** 04/12/2010

Harry Dicks

**Building Inspector**

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