DATE 06/14/2010

# Columbia County Building Permit

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

**PERMIT**
**000028653**

APPLICANT MARK HADDOX PHONE 755-2411

ADDRESS PO BOX 1755 LAKE CITY FL 32056

OWNER RICARDO & BARBARA PEREZ PHONE

ADDRESS 124 SW KYLE WAY LAKE CITY FL 32025

CONTRACTOR MARK HADDOX PHONE 755-2411

LOCATION OF PROPERTY 41 SOUTH, R CATHERINE LN, L KYLE WA, PROPERTY ON RIGHT AS SO AS YOU MAKE THE TURN.

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 108800.00

HEATED FLOOR AREA 1930.00 TOTAL AREA 2176.00 HEIGHT 20.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

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

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

PARCEL ID 27-5S-17-09424-001 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 10.01

000001824 CRC1329442

Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor

CULVERT 10-0279 BK HD Y

Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 2986

## 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 $ 545.00 CERTIFICATION FEE $ 10.88 SURCHARGE FEE $ 10.88

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 666.76

INSPECTORS OFFICE L. Hodson 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.**

# 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** 27-5S-17-09424-001 **Building permit No.** 000028653

**Use Classification** SFD, UTILITY **Fire:** 134.42

**Permit Holder** MARK HADDOX **Waste:** 184.25

**Owner of Building** RICARDO & BARBARA PEREZ **Total:** 318.67

**Location:** 124 SW KYLE WAY

**Date:** 11/18/2010

Troy Crews

**Building Inspector**

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

# COLUMBIA COUNTY 9-1-1 ADDRESSING

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

## Addressing Maintenance

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

**DATE REQUESTED:** 5/20/2010 **DATE ISSUED:** 5/24/2010

**ENHANCED 9-1-1 ADDRESS:**

124 SW KYLE WAY

LAKE CITY FL 32025

**PROPERTY APPRAISER PARCEL NUMBER:**

28-5S-17-09424-001

**Remarks:**

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

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

1739

Permit # 28655

**SUBCONTRACTOR VERIFICATION FORM**

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

**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 _____ License #: | Signature _____ Phone #: |
| **MECHANICAL/ A/C** ____ | Print Name LARRY RESMONDO License #: CAC057977 | Signature [signature] Phone #: 386 454 4433 |
| **PLUMBING/ GAS** | Print Name _____ License #: | Signature _____ Phone #: |
| **ROOFING** | Print Name _____ License #: | Signature _____ Phone #: |
| **SHEET METAL** | Print Name _____ License #: | Signature _____ Phone #: |
| **FIRE SYSTEM/ SPRINKLER** | Print Name _____ License#: | Signature _____ Phone #: |
| **SOLAR** | Print Name _____ License #: | Signature _____ Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | | | |
| 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.

OK-2986

# Columbia County Building Permit Application

OK #2985 ☑ Need to pay Application fee

For Office Use Only Application # 1006-04 Date Received 6-1-10 By LH Permit # 1824/28653

Zoning Official BLK Date 10.06.10 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1 ft below River N/A Plans Examiner KO Date 6-8-10

Comments

☑ 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 N/A Suspended ☑ Vf form

Septic Permit No. 10-0279 Wardman Park Bldrs Fax 755-8684

Name Authorized Person Signing Permit Mark Haddex Phone 755-2411

Address Po Box 1755 Lake city, FL 32056

Owners Name Ricardo + Barbara Perez Phone

911 Address 124 SW Kyle Way Lake City, FL 32025

Contractors Name Wardman Park Builders Phone 755-2411

Address Po Box 1755 Lake City, FL 32056

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Mark Disbrow - 754-5419

Mortgage Lenders Name & Address First Federal - Lake City 755-0600

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

Property ID Number 28-5S-17-09424-001 Estimated Cost of Construction 152,855.00

Subdivision Name — Lot ___ Block ___ Unit ___ Phase ___

Driving Directions 41 South to SW Catherine Ln (Rt) to kyle way (left) property on Right as soon as you make the turn.

Number of Existing Dwellings on Property 0

Construction of SFD Residential - Frame House Total Acreage 10.1 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 19' 4"

Actual Distance of Structure from Property Lines - Front 135 Side 145 Side 145 Rear 1000

Number of Stories 1 Heated Floor Area 1930 Total Floor Area 2176 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.

Spoke to MARK 6/10/10

**Columbia County Building Permit Application**

**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.)**

Barbara Casey
**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 Signature (Permitee)**

**Contractor's License Number** CRC 1324441
**Columbia County**
**Competency Card Number** _____

**Affirmed under penalty of perjury to by the Contractor and subscribed before me this** 1 **day of** June **20**10.

**Personally known** Y **or Produced Identification** _____

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

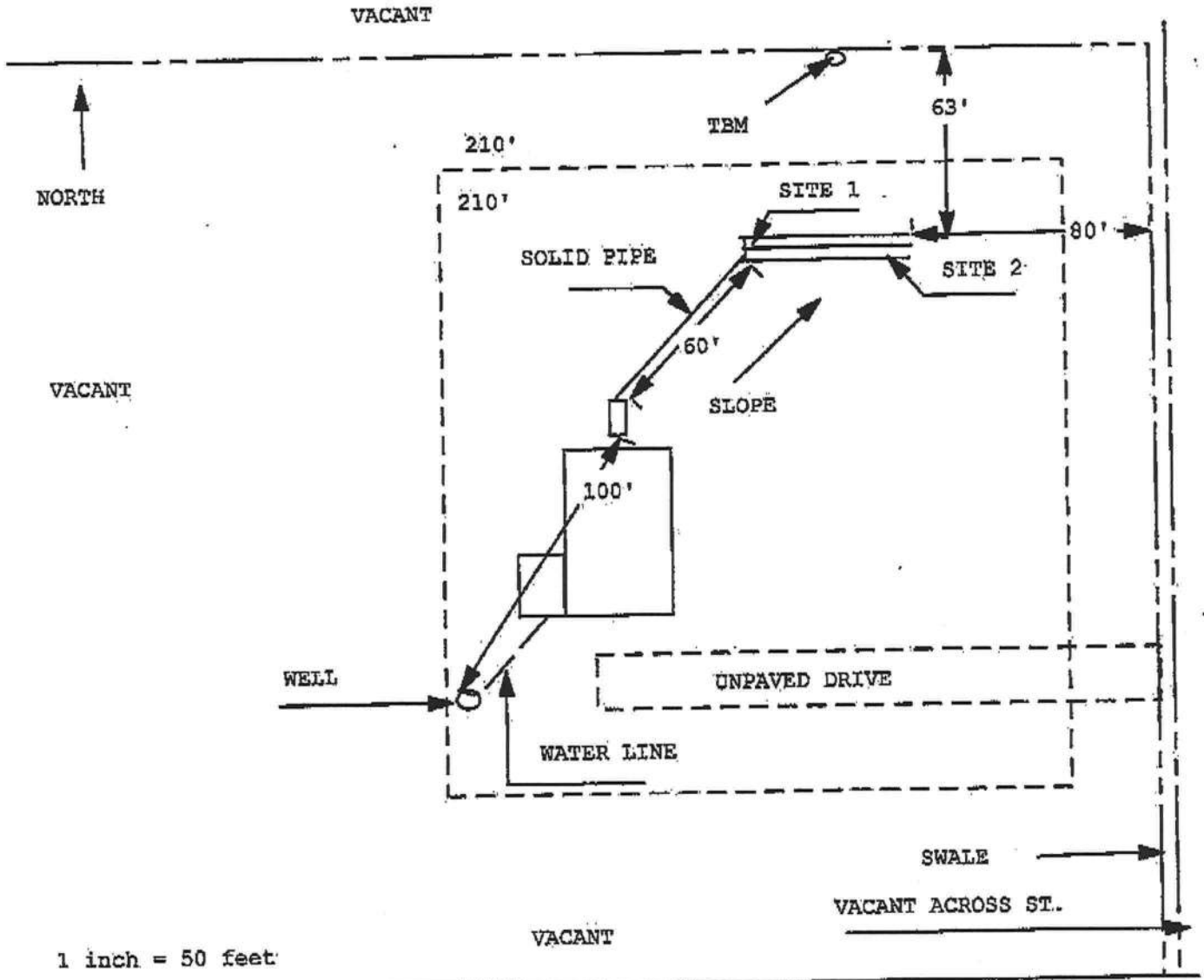
**SEAL**

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

# Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

**Permit Application Number:** 10-0279

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




Site Plan Submitted By Paul Rieger Date 4/26/10

Plan Approved X Not Approved ____ Date 6/11/10

By ____ EHS Columbia CHD CPHU

Notes: See attached for full dim.

APPROVED

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT
Authority: Chapter 381, FS & Chapter 10D-6, FAC

PERMIT # _____
DATE PAID _____
FEE PAID $ _____
RECEIPT # _____
CR # 09-4877

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Temporary/Experimental System
[ ] Repair [ ] Abandonment [ ] Other(Specify) _____

APPLICANT: RICARDO & BARBARA PEREZ TELEPHONE: 755-2411

AGENT: WOODMAN PARK CONSTRUCTION

MAILING ADDRESS: PO BOX 1755 CITY: LAKE CITY STATE: FL ZIP: 32056

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. ATTACH BUILDING PLAN AND TO-SCALE SITE PLAN SHOWING PERTINENT FEATURES REQUIRED BY CHAPTER 10D-6, FLORIDA ADMINISTRATIVE CODE.

PROPERTY INFORMATION [IF LOT IS NOT IN A RECORDED SUBDIVISION, ATTACH LEGAL DESCRIPTION OR DEED]

LOT: _____ BLOCK: _____ SUBDIVISION: MEETS & BOUNDS DATESUBD: _____

PROPERTY ID #: 28-5S-17-09424-001 [Section/Township/Range/Parcel] ZONING: AG

PROPERTY SIZE: 10.76 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [X] PRIVATE [ ] PUBLIC

PROPERTY STREET ADDRESS: SW KYLE CT.

DIRECTIONS TO PROPERTY: 441 SOUTH TURN RIGHT ON CATHRTINE LN TO END TURN LEFT ON KYLE 1ST ON RIGHT.

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

| Unit No | Type of Establishment | No. of Bedrooms | Building Area Sqft | # Persons Served | Business Activity For Commercial Only |
|---|---|---|---|---|---|
| 1 | HOUSE | 4 | 1930 | 4 | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |

[N] Garbage Grinders/Disposals [N] Spas/Hot Tubs [N] Floor/Equipment Drains
[N] Ultra-low Volume Flush Toilets [N] Other (Specify) _____

APPLICANT'S SIGNATURE: _____ DATE: _____

**SUBCONTRACTOR VERIFICATION FORM**

APPLICATION NUMBER 1006-04 CONTRACTOR 585 PHONE

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

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| | | |
|---|---|---|
| ELECTRICAL OK | Print Name David Chatam<br>License #: EC0002840 | Signature<br>Phone #: 386-752-5488 |
| MECHANICAL/ A/C ___ ok | Print Name David Hallis<br>License #: CAC057424 | Signature<br>Phone #: 386-755-9792 |
| PLUMBING/ GAS ok | Print Name Frank Sorcinelli<br>License #: CFC057747 | Signature<br>Phone #: (386)7525210 |
| ROOFING ok | Print Name David L Summerlin<br>License #: CCC1326192 | Signature<br>Phone #: 386-288-5426 |
| SHEET METAL | Print Name<br>License #: NA | Signature<br>Phone #: |
| FIRE SYSTEM/ SPRINKLER | Print Name<br>License#: NA | Signature<br>Phone #: |
| SOLAR | Print Name<br>License #: NA | Signature<br>Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON OK | 000222 | Harold E. Houston | Harold E. Houston |
| ok CONCRETE FINISHER | 000288 | Butch L'Augh | Butch L'Augh |
| ok FRAMING 585 | CRC1325440 | Woodman Park Bldrs | ✓ |
| ok INSULATION | 900240 | Will Sikes | Will Sikes |
| STUCCO | N/A | | |
| ok DRYWALL | CRC1325440 | Woodman P.K | ✓ |
| PLASTER | N/A | | |
| separate sheet ok CABINET INSTALLER → | 762 | Steve Bordeaux | |
| ok PAINTING | CRC1325440 | Woodman P.K | ✓ |
| ACOUSTICAL CEILING | N/A | | |
| GLASS | N/A | | |
| separate sheet ok CERAMIC TILE | CRC1325440 | Woodman P.K | ✓ |
| separate sheet ok FLOOR COVERING → | 710 | Mark Vann | |
| ok ALUM/VINYL SIDING | CBC058077 | Ben Martin | Ben Martin |
| GARAGE DOOR | N/A | | |
| METAL BLDG ERECTOR | N/A | | |

**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.

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| PLUMBING/ GAS | Print Name _____ License #: | Signature _____ Phone #: |
| ROOFING | Print Name _____ License #: | Signature _____ Phone #: |
| SHEET METAL | Print Name _____ License #: | Signature _____ Phone #: |
| FIRE SYSTEM/ SPRINKLER | Print Name _____ License#: | Signature _____ Phone #: |
| SOLAR | Print Name _____ License #: | Signature _____ Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | | | |
| CONCRETE FINISHER | | | |
| FRAMING | | | |
| INSULATION | | | |
| STUCCO | | | |
| DRYWALL | | | |
| PLASTER | | | |
| CABINET INSTALLER | | | |
| PAINTING | | | |
| ACOUSTICAL CEILING | | | |
| GLASS | | | |
| CERAMIC TILE | | | |
| ok FLOOR COVERING | 710 | Marc A Vann/Vann Carpet One | |
| ALUM/VINYL SIDING | | | |
| GARAGE DOOR | | | |
| METAL BLDG ERECTOR | | | |

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| PLUMBING/ GAS | Print Name _____ License #: | Signature _____ Phone #: |
| ROOFING | Print Name _____ License #: | Signature _____ Phone #: |
| SHEET METAL | Print Name _____ License #: | Signature _____ Phone #: |
| FIRE SYSTEM/ SPRINKLER | Print Name _____ License#: | Signature _____ Phone #: |
| SOLAR | Print Name _____ License #: | Signature _____ Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | | | |
| CONCRETE FINISHER | | | |
| FRAMING | | | |
| INSULATION | | | |
| STUCCO | | | |
| DRYWALL | | | |
| PLASTER | | | |
| ok CABINET INSTALLER | 000762 | STEVE BORDEAUX | Steve Bordeaux |
| PAINTING | | | |
| ACOUSTICAL CEILING | | | |
| GLASS | | | |
| CERAMIC TILE | | | |
| FLOOR COVERING | | | |
| ALUM/VINYL SIDING | | | |
| GARAGE DOOR | | | |
| METAL BLDG ERECTOR | | | |

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This Instrument Prepared By:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055
ATS# 16732

# GENERAL WARRANTY DEED

Individual to Individual (or Corporation/LLC)

This Warranty Deed made this 10th day of September, 2007 by

**Kevin Huesman and his wife, Jill Huesman**

Inst:200712020543 Date:9/11/2007 Time:10:38 AM
Doc Stamp-Deed:595.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2

hereinafter called the Grantor, to

**Ricardo Perez, and his wife, Barbara Perez**

whose post office address is 8393 Pinto Drive, Lake Worth, FL 33467, 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 Corporation.)*

The Grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, unto the Grantee all that certain land, situate in Columbia County, Florida, viz: TAX ID:R09424-001 :

**See Exhibit "A" attached hereto and by this reference made a part hereof.**

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

To have and to hold, the same in fee simple forever.

And the Grantor hereby convenants 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, 2006.

In witness whereof, the said Grantor has signed and sealed these presents the day and year first above written.

WITNESS
Printed Name: Cheryl Beaty

WITNESS
Printed Name: Jeff T. Taylor

Kevin Huesman

Jill Huesman

State of Florida
County of Columbia

I hereby certify that on this 10th day of September, 2007, before me, an officer duly authorized to administer oaths and take acknowledgements, personally appeared Kevin Huesman and his wife, Jill Huesman, who is personally known to me or produced a drivers license for identification, and known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that he/she/they executed the same, and an oath was not taken.

(SEAL)

NOTARY PUBLIC

My Commission Expires:

DORIS M DRAKE
MY COMMISSION # DD537917
EXPIRES: Apr. 5, 2010
Florida Notary Service.com

ATS 16732

Exhibit "A"

A part of Sections 22, 27, and 28, Township 5 South, Range 17 East, being more particularly described as follows: Beginning at the Northwest Corner of said Section 27 and run North 01°14'32" East, 2.0 feet to the South right-of-way line of St. Katherine Road; thence North 89°52'54" East, along said right-of-way, 70.77 feet to the West line of a 60.00 foot road easement; thence South 15°37'54" East, along said West line, 374.30 feet; thence North 88°59'04" West, 1245.02 feet to the Easterly right-of-way line of Interstate No. 75; thence North 16°58'35" West, along said right-of-way line, 373.48 feet to the North line of Section 28; thence South 88°59'04" East, 1182.39 feet to the Point of Beginning.

TOGETHER WITH a perpetual, non-exclusive easement for ingress and egress over the easement area described as follows:

A strip of land running parallel with and lying 60.0 feet East of as measured perpendicular to the following described line: Commence at the Northwest Corner of Section 27, Township 5 South, Range 17 East and run North 01°14'32" East, 2.0 feet to the South right-of-way line of St. Katherine Road; thence North 89°52'54" East, along said road, 70.77 feet for Point of Beginning of the 60.0 foot easement above defined; thence South 15°37'54" East, along the West line of said 60.0 foot wide strip of land 741.02 feet; thence South 06°39'12" East, 532.54 feet; thence South 01°01'57" West, still along said West line, 830.0 feet more or less to the North right-of-way line of County Road No. 349 and the Point of Termination of said 60.0 foot easement.

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1 SECTION 713, 13, FLORIDA STATUTES AND CAN RESULT IN YOUR 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 NEED TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

17929

## NOTICE OF COMMENCEMENT

**TO WHOM IT MAY CONCERN:**

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713, Florida Statues, the following is provided in this Notice of Commencement:

1. Description of Property: See Exhibit "A" attached hereto and by this reference made a part thereof.

2. General Description of Improvement: Construction of Dwelling

3. Owner Information:

   a. Name and Address: Ricardo Perez, and his wife, Barbara Perez, 8393 Pinto Drive, Lake Worth, FL 33467

   b. Interest in property: Fee Simple

   c. Name and address of fee simple title holder (if other than Owner): NONE

4. Contractor (name and address): Woodman Park Builders, Inc., 4816 W US Hwy 90, Ste. 100, Lake City, FL 32055

5. Surety:

   a. Name and Address: N/A

   b. Amount of Bond: N/A

Inst:201012007848 Date:5/18/2010 Time:12:38 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1194 P:1506

6. LENDER: First Federal Savings Bank of Florida
   4705 West US Highway 90
   PO Box 2029
   Lake City, FL 32056

7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE

8. In addition to himself, Owner designates PAULA HACKER, of FIRST FEDERAL SAVINGS BANK OF FLORIDA at 4705 WEST US HIGHWAY 90 / PO BOX 2029, LAKE CITY, FL 32056, 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 (the expiration date is 1 year from the date of recording unless a different date is specified).

Signed, sealed and delivered in the presence:

Donna Cox
WITNESS Donna Cox

Jennifer Harrell
WITNESS Jennifer Harrell

Ricardo Perez
Ricardo Rerez

Barbara Perez
Barbara Perez

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared Ricardo Perez, and his wife, Barbara Perez to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 14th day of May, ~~2006~~ 2010.

(SEAL)

Donna Cox
NOTARY PUBLIC
My Commission Expires:

Verification Pursuant to Section 92.525, Florida Statutes

Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Ricardo Perez

Barbara Perez

DONNA COX
MY COMMISSION # DD 949914
EXPIRES: January 16, 2014
Bonded Thru Notary Public Underwriters

ATS 17929

Exhibit "A"

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TOGETHER WITH a perpetual, non-exclusive easement for ingress and egress over the easement area described as follows:

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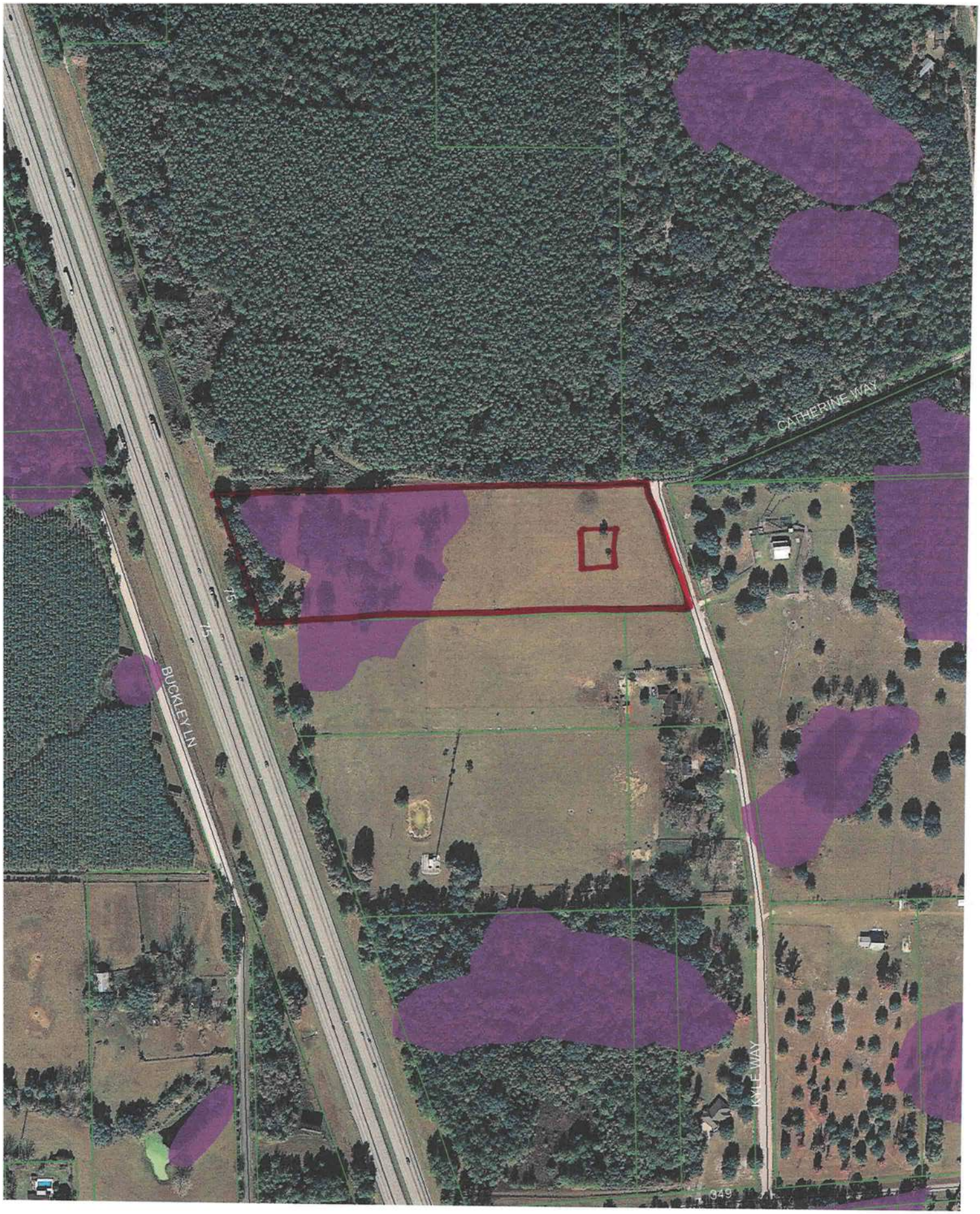



1006-4

**SUBCONTRACTOR VERIFICATION FORM**

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

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

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | | | |
| CONCRETE FINISHER | | | |
| FRAMING | 228 | Kevin McPhearson | |
| 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.

June 18, 2010
Project No. 10004.02

Mark Haddox
Woodman Park Builders, Inc.
P. O. Box 1755
Lake City, Florida 32056

Reference: Proposed Perez Residence
S. W. Kyle Way, Columbia City, Columbia County, Florida

Dear Mr. Haddox,

As requested, I have examined samples of clay soils encountered in foundation cuts excavated for the proposed residence. These clay soils were not encountered in the preliminary borings performed for this site as indicated by the attached boring logs.

Soil samples S-1, S-2 and S-3 were obtained at the approximate locations indicated in the attached drawing, and the results of laboratory testing are provided in the attached summary report. These results indicate clay content for the examined clay soils to range from about 57.1% to 89.4%. Atterberg Limits testing was not performed for any of the soil samples; however, these clay soils are believed to be active and therefore subject to shrinking or swelling with changes in their moisture content.

Based upon evaluation of the soil samples, I recommend clay soils be excavated and replaced to a minimum depth of 3 feet below the bottoms of foundations at all locations they are present. Clay removal should extend laterally a minimum of 2 feet beyond the edges of the foundations. Excavated clays should be replaced with clayey sand containing about 25% to 35% passing the No. 200 sieve. This soil should be placed in maximum 6-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density. In addition to replacing the clay soils, I recommend finished grading of the site be modified as required such that storm water will drain away from the residence and its foundation areas. Also, the residence should be equipped with storm gutters, downspouts and piping as required to route storm water away from the structure.

I appreciate the opportunity to be of service and look forward to a continued association. Please contact me if you have questions concerning this report.

Respectfully submitted,
Dorman Geotechnical, L.L.C.

John C. Dorman, Jr., Ph.D., P.E. 6/21/10
Florida Registration No. 52612

## A-1

Ground Water: N/A

| Depth (ft) | Soil Description |
|---|---|
| 0 | Gray, SILTY SAND (SM) |
| | Gray and Tan SAND with SILT (SP/SM) |
| | Orange, SLIGHTLY CLAYEY SAND (SC) |
| | Orange, Red and Gray, CLAYEY SAND (SC) |
| 5 | |

## A-2

Ground Water: N/A

| Depth (ft) | Soil Description |
|---|---|
| 0 | Gray, SILTY SAND (SM) |
| | Grayish Tan SAND with SILT (SP/SM) |
| | Tannish Orange and Gray, CLAYEY SAND (SC) |
| 5 | |

## A-3

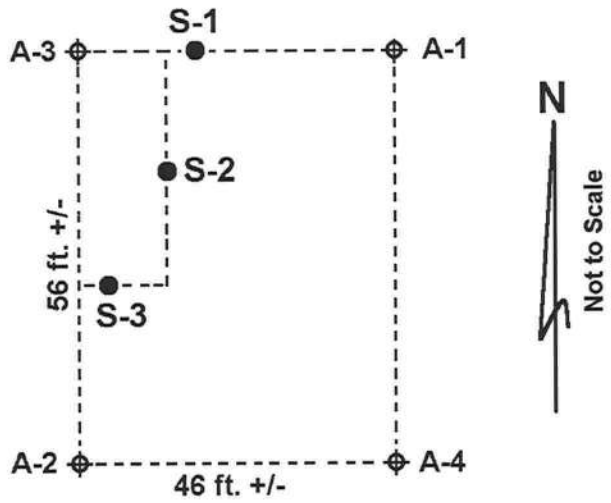
Ground Water: N/A

| Depth (ft) | Soil Description |
|---|---|
| 0 | Gray, SILTY SAND (SM) |
| | Grayish Tan SAND with SILT (SP/SM) |
| | Tannish Orange and Gray, CLAYEY SAND (SC) |
| 5 | |

## A-4

Ground Water: N/A

| Depth (ft) | Soil Description |
|---|---|
| 0 | Gray, SILTY SAND (SM) |
| | Tannish Gray SAND with SILT (SP/SM) |
| | Grayish Tan and Orange, CLAYEY SAND (SC) |
| | Gray and Orange, CLAYEY SAND (SC) |
| 5 | |




**Boring Logs and Location Plan: Perez Residence**
**S. W. Kyle Way**
**Columbia County, Florida**

# SUMMARY OF LABORATORY TEST RESULTS

**PROJECT:** Perez Residence
Columbia City. Florida
**CLIENT:** Woodman Park Builders

**JOB NO.:** 10004.02
**REPORT NO.:** 3
**DATE:** 06/18/10

| SAMPLE NO. | SAMPLE DEPTH (ft.) | SOIL DESCRIPTION | SAMPLE TYPE* | NATURAL MOISTURE (%) | ATTERBERG LIMITS | | COEFFICIENT OF PERMEABILITY (feet/day) | SIEVE ANALYSIS (% passing) | | | | | | AASHTO SOIL CLASSIFICATION | UNIFIED SOIL CLASSIFICATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LIQUID LIMIT (%) | PLASTICITY INDEX (%) | | No.4 | No.10 | No. 40 | No. 60 | No.100 | No. 200 | | |
| S-1 | 0.5 | Gray, Tan and Orange Clay with Sand | A | 36.4 | | | | | | | | | 89.4 | | CH |
| S-2 | 0.5 | Tannish Gray, Very Sandy Clay | A | 25.7 | | | | | | | | | 57.1 | | CH |
| S-3 | 0.5 | Gray, Orange and Red, Sandy Clay | A | 31.7 | | | | | | | | | 77.6 | | CH |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

*SS- Split Spoon

G- Grab

A- Auger

**Reviewed By:**

John C. Dorman, Jr., Ph.D., P.E. 6/21/10

Fl. Reg. No.: 52612

# 28653


**Cal-Tech Testing, Inc.**

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456

4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902


# REPORT OF IN-PLACE DENSITY TEST

**JOB NO.:** 10-00244-01
**DATE TESTED:** 6/22/10
**DATE REPORTED:** 6/23/10

| | |
|---|---|
| **PROJECT:** | Perez Residence, Lake City |
| **CLIENT:** | Woodman Park Builders, Inc. P.O. Box 1755, Lake City, FL 32056 |
| **GENERAL CONTRACTOR:** | Woodman Park Builders, Inc. |
| **EARTHWORK CONTRACTOR:** | Woodman Park Builders, Inc. |
| **INSPECTOR:** | John Nettles |

| **ASTM METHOD** | **SOIL USE** |
|---|---|
| (D-2922) Nuclear | OTHER |

**SPECIFIED REQUIREMENTS:** 95%

| TEST NO. | | TEST LOCATION | LIFT | TEST DEPTH | WET DENSITY (lb/ft$^3$) | MOISTURE PERCENT | DRY DENSITY (lb/ft$^3$) | PROCTOR TEST NO. | PROCTOR VALUE | MAXIMUM DENSITY |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | NW Corner of Footing, Center | 1 of 2 | 12" | 108.5 | 9.8 | 98.8 | 08-541-2 | 104.3 | 95% |
| 2 | | West Side Footing, 8' From NW Corner/Center | 1 of 2 | 12" | 109.2 | 10.0 | 99.3 | 08-541-2 | 104.3 | 95% |
| 3 | | West Corner of Footing, 13' From SW Corner/Center | 1 of 2 | 12" | 108.8 | 9.9 | 99.0 | 08-541-2 | 104.3 | 95% |
| 4 | | 4' NW Corner, Center of Footing | 2 of 2 | 12" | 109.4 | 10.9 | 98.6 | 08-541-2 | 104.3 | 95% |
| 5 | | 13' West of NW Corner of Footing | 2 of 2 | 12" | 109.1 | 9.8 | 99.4 | 08-541-2 | 104.3 | 95% |
| 6 | | 16' From SW Corner of Footing/Center | 2 of 2 | 12" | 108.1 | 9.1 | 99.1 | 08-541-2 | 104.3 | 95% |

**REMARKS:** The Above Tests Meet Specified Requirements.

**PROCTORS**

| PROCTOR NO. | | SOIL DESCRIPTION | MAXIMUM DRY UNIT WEIGHT (lb/ft$^3$) | OPT. MOIST. | TYPE |
|---|---|---|---|---|---|
| 08-541-2 | | Tan Fine Sand (Daniels Pit) | 104.3 | 12.1 | MODIFIED (ASTM D-1557) |

**Respectfully Submitted,**
**CAL-TECH TESTING, INC.**

Linda Creamer, CEO, DBE

**Linda M. Creamer**
**President - CEO**

**Reviewed By:**

**Date:** 6/23/2010
**Licensed, Florida No:** 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

# New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525
(exp. 02/29/2012)

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.

#28653

**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. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

**Section 2: Builder Information**

Company Name Woodman Park Phone No. 755-2411

**Section 3: Property Information**

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 124 Kyle Way Ricardo Perez ~~Gatlinburg~~
Lake City, FL 32025

**Section 4: Service Information**

Date(s) of Service(s) 7-8-2010
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. 83923-6
Approx. Dilution (%): .6 Approx. Total Gallons Mix Applied: 400 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) JP104376

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 Date 7-8-2010

**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)

Form **NPCA-99-B** may still be used

form **HUD-NPMA-99-B**

**SUBCONTRACTOR VERIFICATION FORM** permit # 28653

APPLICATION NUMBER _____ CONTRACTOR Mark Haddox PHONE _____

**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.

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| | | |
|---|---|---|
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| **MECHANICAL/ A/C** _____ | Print Name _____ License #: | Signature _____ Phone #: |
| **PLUMBING/ GAS** | Print Name _____ License #: | Signature _____ Phone #: |
| **ROOFING** | Print Name _____ License #: | Signature _____ Phone #: |
| **SHEET METAL** | Print Name _____ License #: | Signature _____ Phone #: |
| **FIRE SYSTEM/ SPRINKLER** | Print Name _____ License#: | Signature _____ Phone #: |
| **SOLAR** | Print Name _____ License #: | Signature _____ Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | | | |
| CONCRETE FINISHER | | | |
| FRAMING | | | |
| INSULATION | | | |
| STUCCO | | | |
| DRYWALL | 2660 | Jesse N Ercoli | Jesse Ercoli |
| PLASTER | | | |
| CABINET INSTALLER | | | |
| PAINTING | | | |
| ACOUSTICAL CEILING | | | |
| GLASS | | | |
| CERAMIC TILE | | | |
| FLOOR COVERING | | | |
| ALUM/VINYL SIDING | | | |
| GARAGE DOOR | | | |
| METAL BLDG ERECTOR | | | |

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"FAXED" - ATN: CONNIE - "KUSH"

# Columbia County Building Department
# Culvert Waiver

**Culvert Waiver No. 000001824**

DATE: 09/10/2010 BUILDING PERMIT NO. 28653

APPLICANT MARK HADDOX PHONE 755-2411

ADDRESS PO BOX 1755 LAKE CITY FL 32056

OWNER RICARDO & BARBARA PEREZ PHONE

ADDRESS 124 SW KYLE WAY LAKE CITY FL 32025

CONTRACTOR MARK HADDOX PHONE 755-2411

LOCATION OF PROPERTY 41 SOUTH, R CATHERINE LN, L KYLE WAY, PROPERTY ON RIGHT AS SOON AS YOU MAKE THE TURN.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 27-5S-17-09424-001

**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: Mark Haddox

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

**Amount Paid 50.00**

---

**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:

SIGNED: J.M. Mead DATE: 10 Sept 10

**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

"TAKE" JHN: CONNIE - "RUSH" 158-2148

# Columbia County Building Department
# Culvert Waiver

**Culvert Waiver No. 000001824**

DATE: 09/10/2010 BUILDING PERMIT NO. 28653

APPLICANT MARK HADDOX PHONE 755-2411

ADDRESS PO BOX 1755 LAKE CITY FL 32056

OWNER RICARDO & BARBARA PEREZ PHONE

ADDRESS 124 SW KYLE WAY LAKE CITY FL 32025

CONTRACTOR MARK HADDOX PHONE 755-2411

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COMMENTS:

SIGNED: DATE:

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

COLUMBIA COUNTY GATEWAY TO FLORIDA

**SUBCONTRACTOR VERIFICATION FORM** 28653

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

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| **PLUMBING/ GAS** | Print Name _____ License #: | Signature _____ Phone #: |
| **ROOFING** | Print Name _____ License #: | Signature _____ Phone #: |
| **SHEET METAL** | Print Name _____ License #: | Signature _____ Phone #: |
| **FIRE SYSTEM/ SPRINKLER** | Print Name _____ License#: | Signature _____ Phone #: |
| **SOLAR** | Print Name _____ License #: | Signature _____ Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | | | |
| CONCRETE FINISHER | | | |
| FRAMING | | | |
| INSULATION | | | |
| STUCCO | | | |
| DRYWALL | | | |
| PLASTER | | | |
| CABINET INSTALLER | | | |
| PAINTING | | | |
| ACOUSTICAL CEILING | | | |
| GLASS | | | |
| CERAMIC TILE | | | |
| FLOOR COVERING | | | |
| ALUM/VINYL SIDING | CCO00166 | MIKE'S ALUMINUM & L.C. | Mike Nicholson |
| GARAGE DOOR | | Mike Nicholson | |
| 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.

**COLUMBIA COUNTY BUILDING DEPARTMENT**
**RESIDENTIAL CHECK LIST REQUIRMENTS**

**MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. 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.) 1930 | | Total (Sq. Ft.) under roof 2176 | IIIIIIII ✓ | IIIIIIII | 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 YES | IIIII NO | IIIIII 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 | Emergency escape and rescue opening shown in each bedroom (net clear opening shown) | ✓ | | |
| 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 | Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311) | | | |
| 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 plan (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) | ✓ | | |

## 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 submit other approved termite protection methods.<br>**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 | | | |
| | Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & | | | |

| | | | | |
|---|---|---|---|---|
| 48 | intermediate 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, showing dimensions condition area equal to the total condition living space area*

| | GENERAL REQUIREMENTS: 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 locations in bathrooms | ✓ | | |
| 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 | Switches, outlets/receptacles, lighting and all required GFCI outlets identified | ✓ | | |
| 86 | Ceiling fans | ✓ | | |
| 87 | Smoke detectors & Carbon dioxide detectors | ✓ | | |
| 88 | 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. | | | |

| | | | | |
|---|---|---|---|---|
| 90 | Appliances and HVAC equipment and disconnects | ✓ | | |
| 91 | Arc Fault Circuits (AFCI) in bedrooms | ✓ | | |

**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: 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 applicati 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 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 nu 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 applican will be notified by phone as to the date and time a building permit will b prepared and issued by the Columbia County Building & Zoning Department**

**Pat Lynch**
**LYNCH DRILLING**
P. O. BOX 934
Branford, FL 32008-0934
(386) 935-1076
Fax # 935-1189

Ricardo & Barbara Perez

18-5S-17-09424-001
124 SW Kyle Way L.C.
DATE: 6-1-10

4" Water well complete with 4" black water well steel casing, 1HP submersible pump (20 gpm) with 1 ¼" galvanized drop pipe, and 81 gallon captive air tank (21.9 gallon drawdown) (maximum 100 feet included) .....

Additional footage over 100 feet will be charged at $8.00 per foot.

Suwannee River Water Management District – well permit .....

Estimated total package .....

Well will be complete at the well site. We do not include electrical nor plumbing connections from the well to the home and/or power pole.

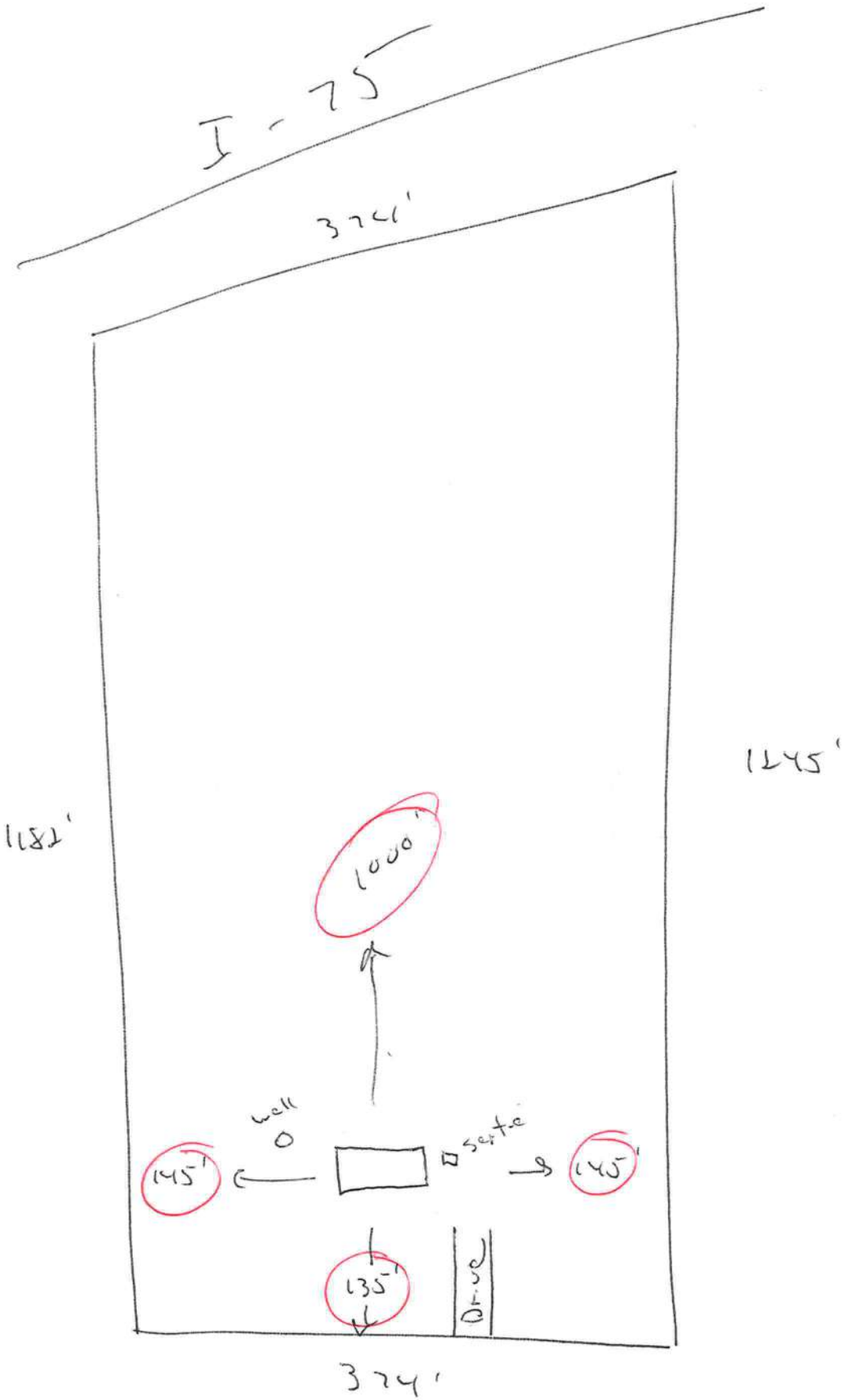
Prices on estimates are subject to change, if estimate is over 30 days old, unless specific arrangements are made to extend limit. Estimated depths are available upon request and after review of the specified location.

Note: Columbia County base price = SRWMD permit + footage as applicable.

**THANK YOU!**

Seller shall retain title to the described merchandise until such merchandise has been paid for by the buyer, however, buyer shall have the right to use, display, move, prepare, or otherwise deal with the merchandise solely in connection with the sale of such merchandise to buyers in the ordinary course of business. The merchandise delivered hereby is to be paid for upon delivery and if not paid for within thirty (30) days after receipt, interest and service charges shall accrue at the rate of 1 ½% per month; this charge is equivalent to an interest rate of 18% per annum from the date of receipt. In the event it shall become necessary for seller to collect the purchase price, or any part thereof, buyer agrees to pay to seller all of the cost of collection including reasonable attorney's fees and all incidental damages suffered by the seller. The buyer shall have five (5) days after receipt to notify seller of any defects or shortages in the merchandise. If buyer has not so notified seller within such five-day period such rights shall have waived and such merchandise shall be deemed to have been received in good condition. Seller warrants that the merchandise is merchantable and free from defects in material and workmanship. Seller makes no other express or implied warranties and does not warrant that the merchandise is fit for any particular purpose. Buyer further agrees that the site of this contract and place for payment is Suwannee County, Florida. The buyer acknowledges acceptance of the above stated items and conditions if this sale by his receipt and retention for five days the merchandise shipped or delivered by the seller.

NOT RESPONSIBLE FOR QUALITY OF WATER




kyle

FORM 1100A-08

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

## Florida Department of Community Affairs Residential Performance Method A

| | | | |
|---|---|---|---|
| Project Name: | 1005059WoodmanParkBuildersPerezRes | Builder Name: | Woodman Park Builders |
| Street: | Kyle Rd. | Permit Office: | Columbia County |
| City, State, Zip: | Lake City , FL , | Permit Number: | 28653 |
| Owner: | Ricky & Barbara Perez | Jurisdiction: | 221000 |
| Design Location: | FL, Gainesville | | |

| | |
|---|---|
| 1. New construction or existing | New (From Plans) |
| 2. Single family or multiple family | Single-family |
| 3. Number of units, if multiple family | 1 |
| 4. Number of Bedrooms | 3 |
| 5. Is this a worst case? | Yes |
| 6. Conditioned floor area (ft²) | 1930 |

| 7. Windows | Description | Area |
|---|---|---|
| a. U-Factor: | Dbl, U=0.35 | 170.67 ft² |
| SHGC: | SHGC=0.35 | |
| b. U-Factor: | N/A | ft² |
| SHGC: | | |
| c. U-Factor: | N/A | ft² |
| SHGC: | | |
| d. U-Factor: | N/A | ft² |
| SHGC: | | |
| e. U-Factor: | N/A | ft² |
| SHGC: | | |

| 8. Floor Types | Insulation | Area |
|---|---|---|
| a. Slab-On-Grade Edge Insulation | R=0.0 | 1930.00 ft² |
| b. N/A | R= | ft² |
| c. N/A | R= | ft² |

| 9. Wall Types | Insulation | Area |
|---|---|---|
| a. Frame - Wood, Exterior | R=13.0 | 1581.30 ft² |
| b. N/A | R= | ft² |
| c. N/A | R= | ft² |
| d. N/A | R= | ft² |

| 10. Ceiling Types | Insulation | Area |
|---|---|---|
| a. Under Attic (Vented) | R=30.0 | 1930.00 ft² |
| b. Knee Wall (Vented) | R=30.0 | 120.00 ft² |
| c. N/A | R= | ft² |

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 386 ft²

12. Cooling systems
a. Central Unit — Cap: 33.0 kBtu/hr, SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 33.0 kBtu/hr, HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons, EF: 0.92
b. Conservation features: None

15. Credits: None

Glass/Floor Area: 0.088

Total As-Built Modified Loads: 31.52
Total Baseline Loads: 40.04

**PASS**

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

PREPARED BY: _____
DATE: 5/26/10 EVAN BERMSOM

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

OWNER/AGENT: _____
DATE: _____

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

BUILDING OFFICIAL: _____
DATE: _____

## PROJECT

| | | | | | |
|---|---|---|---|---|---|
| Title: | 1005059WoodmanParkBuilde | Bedrooms: | 3 | Adress Type: | Street Address |
| Building Type: | FLAsBuilt | Conditioned Area: | 1930 | Lot # | |
| Owner: | Ricky & Barbara Perez | Total Stories: | 1 | SubDivision: | |
| # of Units: | 1 | Worst Case: | Yes | PlatBook: | |
| Builder Name: | Woodman Park Builders | Rotate Angle: | 90 | Street: | Kyle Rd. |
| Permit Office: | | Cross Ventilation: | | County: | Columbia |
| Jurisdiction: | | Whole House Fan: | | City, State, Zip: | Lake City , FL , |
| Family Type: | Single-family | | | | |
| New/Existing: | New (From Plans) | | | | |
| Comment: | | | | | |

## CLIMATE

| √ | Design Location | TMY Site | IECC Zone | Design Temp 97.5 % | Design Temp 2.5 % | Int Design Temp Winter | Int Design Temp Summer | Heating Degree Days | Design Moisture | Daily Temp Range |
|---|---|---|---|---|---|---|---|---|---|---|
| _____ | FL, Gainesville | FL_GAINESVILLE_REGI | 2 | 32 | 92 | 75 | 70 | 1305.5 | 51 | Medium |

## FLOORS

| √ | # | Floor Type | Perimeter | R-Value | Area | Tile | Wood | Carpet |
|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Slab-On-Grade Edge Insulatio | 198 ft | 0 | 1930 ft² | 0.3 | 0.3 | 0.4 |

## ROOF

| √ | # | Type | Materials | Roof Area | Gable Area | Roof Color | Solar Absor. | Tested | Deck Insul. | Pitch |
|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Gable or shed | Composition shingles | 2235 ft² | 564 ft² | Dark | 0.96 | No | 0 | 30.3 deg |

## ATTIC

| √ | # | Type | Ventilation | Vent Ratio (1 in) | Area | RBS | IRCC |
|---|---|---|---|---|---|---|---|
| _____ | 1 | Full attic | Vented | 300 | 1930 ft² | N | N |

## CEILING

| √ | # | Ceiling Type | R-Value | Area | Framing Frac | Truss Type |
|---|---|---|---|---|---|---|
| _____ | 1 | Under Attic (Vented) | 30 | 1930 ft² | 0.11 | Wood |
| _____ | 2 | Knee Wall (Vented) | 30 | 120 ft² | 0.11 | Wood |

## WALLS

| √ | # | Ornt | Adjacent To | Wall Type | Cavity R-Value | Area | Sheathing R-Value | Framing Fraction | Solar Absor. |
|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | N | Exterior | Frame - Wood | 13 | 452 ft² | | 0.23 | 0.75 |
| _____ | 2 | E | Exterior | Frame - Wood | 13 | 338.67 ft² | | 0.23 | 0.75 |
| _____ | 3 | S | Exterior | Frame - Wood | 13 | 452 ft² | | 0.23 | 0.75 |
| _____ | 4 | W | Exterior | Frame - Wood | 13 | 338.67 ft² | | 0.23 | 0.75 |

## DOORS

| √ | # | Ornt | Door Type | Storms | U-Value | Area |
|---|---|---|---|---|---|---|
| _____ | 1 | N | Insulated | None | 0.400000 | 13.33333 |
| _____ | 2 | S | Insulated | None | 0.4 | 20 ft² |
| _____ | 3 | W | Insulated | None | 0.4 | 20 ft² |

## WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

| √ | # | Ornt | Frame | Panes | NFRC | U-Factor | SHGC | Storms | Area | Overhang Depth | Overhang Separation | Int Shade | Screening |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | N=>E | Metal | Low-E Double | Yes | 0.35 | 0.35 | N | 15 ft² | 1 ft 6 in | 1 ft 0 in | HERS 2006 | None |
| _____ | 2 | N=>E | Metal | Low-E Double | Yes | 0.35 | 0.35 | N | 26.66666 | 1 ft 6 in | 1 ft 0 in | HERS 2006 | None |
| _____ | 3 | N=>E | Metal | Low-E Double | Yes | 0.35 | 0.35 | N | 18 ft² | 1 ft 6 in | 1 ft 0 in | HERS 2006 | None |
| _____ | 4 | S=>W | Metal | Low-E Double | Yes | 0.35 | 0.35 | N | 60 ft² | 8 ft 0 in | 1 ft 0 in | HERS 2006 | None |
| _____ | 5 | S=>W | Metal | Low-E Double | Yes | 0.35 | 0.35 | N | 30 ft² | 1 ft 6 in | 1 ft 0 in | HERS 2006 | None |
| _____ | 6 | W=>N | Metal | Low-E Double | Yes | 0.35 | 0.35 | N | 15 ft² | 0 ft 0 in | 0 ft 0 in | HERS 2006 | None |
| _____ | 7 | W=>N | Metal | Low-E Double | Yes | 0.35 | 0.35 | N | 6 ft² | 1 ft 6 in | 1 ft 0 in | HERS 2006 | None |

## INFILTRATION & VENTING

| √ | Method | SLA | CFM 50 | ACH 50 | ELA | EqLA | ---- Forced Ventilation ---- Supply CFM | Exhaust CFM | Run Time Fraction | Fan Watts |
|---|---|---|---|---|---|---|---|---|---|---|
| _____ | Default | 0.00036 | 1822 | 7.08 | 100.1 | 188.2 | 0 cfm | 0 cfm | 0 | 0 |

## COOLING SYSTEM

| √ | # | System Type | Subtype | Efficiency | Capacity | Air Flow | SHR | Ducts |
|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Central Unit | None | SEER: 13 | 33 kBtu/hr | 990 cfm | 0.75 | sys#1 |

## HEATING SYSTEM

| √ | # | System Type | Subtype | Efficiency | Capacity | Ducts |
|---|---|---|---|---|---|---|
| _____ | 1 | Electric Heat Pump | None | HSPF: 7.7 | 33 kBtu/hr | sys#1 |

## HOT WATER SYSTEM

| √ | # | System Type | EF | Cap | Use | SetPnt | Conservation |
|---|---|---|---|---|---|---|---|
| _____ | 1 | Electric | 0.92 | 40 gal | 60 gal | 120 deg | None |

## SOLAR HOT WATER SYSTEM

| √ | FSEC Cert # | Company Name | System Model # | Collector Model # | Collector Area | Storage Volume | FEF |
|---|---|---|---|---|---|---|---|
| _____ | None | None | | | ft² | | |

## DUCTS

| ✓ | # | ---- Supply ---- Location | R-Value | Area | ---- Return ---- Location | Area | Leakage Type | Air Handler | CFM 25 | Percent Leakage | QN | RLF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Attic | 6 | 386 ft² | Attic | 96.5 ft² | Default Leakage | Interior | (Default) | (Default) % | | |

## TEMPERATURES

Programable Thermostat: None

Ceiling Fans:

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cooling | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] |
| Heating | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] |
| Venting | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] | [X] |

Thermostat Schedule: HERS 2006 Reference

| Schedule Type | | Hours 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cooling (WD) | AM | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| | PM | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| Cooling (WEH) | AM | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| | PM | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| Heating (WD) | AM | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| | PM | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| Heating (WEH) | AM | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| | PM | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |

FORM 1100A-08

# Code Compliance Cheklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Kyle Rd.
Lake City, FL,

PERMIT #:

### INFILTRATION REDUCTION COMPLIANCE CHECKLIST

| COMPONENTS | SECTION | REQUIREMENTS FOR EACH PRACTICE | CHECK |
|---|---|---|---|
| Exterior Windows & Doors | N1106.AB.1.1 | Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area. | |
| Exterior & Adjacent Walls | N1106.AB.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 | N1106.AB.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 | N1106.AB.1.2.3 | Between walls & ceilings; penetrations of ceiling plane to 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 | N1106.AB.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 with < 2.0 cfm from conditioned space, tested. | |
| Multi-story Houses | N1106.AB.1.2.5 | Air barrier on perimeter of floor cavity between floors. | |
| Additional Infiltration reqts | N1106.AB.1.3 | Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air. | |

### OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

| COMPONENTS | SECTION | REQUIREMENTS | CHECK |
|---|---|---|---|
| Water Heaters | N1112.AB.3 | Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required. | |
| Swimming Pools & Spas | N1112.AB.2.3 | 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%. Heat pump pool heaters shall have a minimum COP of 4.0. | |
| Shower heads | N1112.AB.2.4 | Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG. | |
| Air Distribution Systems | N1110.AB | All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation. | |
| HVAC Controls | N1107.AB.2 | Separate readily accessible manual or automatic thermostat for each system. | |
| Insulation | N1104.AB.1<br>N1102.B.1.1 | 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 INDEX* = 79

The lower the EnergyPerformance Index, the more efficient the home.

Kyle Rd., Lake City, FL,

| | | |
|---|---|---|
| 1. New construction or existing | | New (From Plans) |
| 2. Single family or multiple family | | Single-family |
| 3. Number of units, if multiple family | | 1 |
| 4. Number of Bedrooms | | 3 |
| 5. Is this a worst case? | | Yes |
| 6. Conditioned floor area (ft²) | | 1930 |
| 7. Windows** | Description | Area |
| a. U-Factor: SHGC: | Dbl, U=0.35 SHGC=0.35 | 170.67 ft² |
| b. U-Factor: SHGC: | N/A | ft² |
| c. U-Factor: SHGC: | N/A | ft² |
| d. U-Factor: SHGC: | N/A | ft² |
| e. U-Factor: SHGC: | N/A | ft² |

| 8. Floor Types | Insulation | Area |
|---|---|---|
| a. Slab-On-Grade Edge Insulation | R=0.0 | 1930.00 ft² |
| b. N/A | R= | ft² |
| c. N/A | R= | ft² |

| 9. Wall Types | Insulation | Area |
|---|---|---|
| a. Frame - Wood, Exterior | R=13.0 | 1581.30 ft² |
| b. N/A | R= | ft² |
| c. N/A | R= | ft² |
| d. N/A | R= | ft² |

| 10. Ceiling Types | Insulation | Area |
|---|---|---|
| a. Under Attic (Vented) | R=30.0 | 1930.00 ft² |
| b. Knee Wall (Vented) | R=30.0 | 120.00 ft² |
| c. N/A | R= | ft² |

11. Ducts
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 386 ft²

12. Cooling systems
a. Central Unit — Cap: 33.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 33.0 kBtu/hr HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.92

b. Conservation features
None

15. Credits — None

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 Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com 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.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

# Residential System Sizing Calculation

## Summary

Ricky & Barbara Perez
Kyle Rd.
Lake City, FL

Project Title:
1005059WoodmanParkBuildersPerezRes

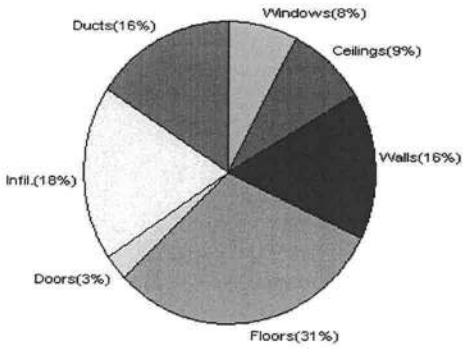
5/26/2010

| Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M) | | | | | |
|---|---|---|---|---|---|
| Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.) | | | | | |
| Winter design temperature(MJ8 99%) | 33 | F | Summer design temperature(MJ8 99%) | 92 | F |
| Winter setpoint | 70 | F | Summer setpoint | 75 | F |
| Winter temperature difference | 37 | F | Summer temperature difference | 17 | F |
| **Total heating load calculation** | **28205** | **Btuh** | **Total cooling load calculation** | **28319** | **Btuh** |
| Submitted heating capacity | % of calc | Btuh | Submitted cooling capacity | % of calc | Btuh |
| Total (Electric Heat Pump) | 117.0 | 33000 | Sensible (SHR = 0.75) | 109.7 | 24750 |
| Heat Pump + Auxiliary(0.0kW) | 117.0 | 33000 | Latent | 143.5 | 8250 |
| | | | Total (Electric Heat Pump) | 116.5 | 33000 |

## WINTER CALCULATIONS

Winter Heating Load (for 1930 sqft)

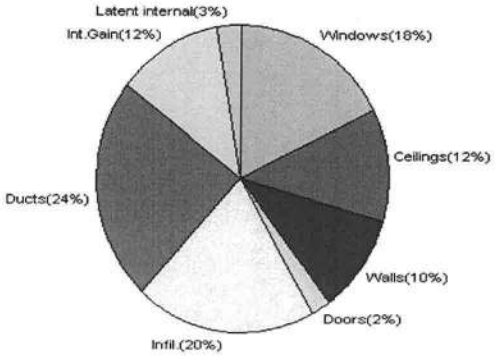
| Load component | | | Load | |
|---|---|---|---|---|
| Window total | 171 | sqft | 2210 | Btuh |
| Wall total | 1357 | sqft | 4458 | Btuh |
| Door total | 53 | sqft | 789 | Btuh |
| Ceiling total | 2050 | sqft | 2416 | Btuh |
| Floor total | 1930 | sqft | 8645 | Btuh |
| Infiltration | 129 | cfm | 5212 | Btuh |
| Duct loss | | | 4476 | Btuh |
| **Subtotal** | | | **28205** | **Btuh** |
| Ventilation | 0 | cfm | 0 | Btuh |
| **TOTAL HEAT LOSS** | | | **28205** | **Btuh** |




## SUMMER CALCULATIONS

Summer Cooling Load (for 1930 sqft)

| Load component | | | Load | |
|---|---|---|---|---|
| Window total | 171 | sqft | 4984 | Btuh |
| Wall total | 1357 | sqft | 2831 | Btuh |
| Door total | 53 | sqft | 597 | Btuh |
| Ceiling total | 2050 | sqft | 3395 | Btuh |
| Floor total | | | 0 | Btuh |
| Infiltration | 103 | cfm | 1916 | Btuh |
| Internal gain | | | 3320 | Btuh |
| Duct gain | | | 5527 | Btuh |
| Sens. Ventilation | 0 | cfm | 0 | Btuh |
| Blower Load | | | 0 | Btuh |
| **Total sensible gain** | | | **22570** | **Btuh** |
| Latent gain(ducts) | | | 1187 | Btuh |
| Latent gain(infiltration) | | | 3762 | Btuh |
| Latent gain(ventilation) | | | 0 | Btuh |
| Latent gain(internal/occupants/other) | | | 800 | Btuh |
| **Total latent gain** | | | **5749** | **Btuh** |
| **TOTAL HEAT GAIN** | | | **28319** | **Btuh** |




8th Edition

EnergyGauge® System Sizing
PREPARED BY:
DATE: 5/26/10 Evan Beasley

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Ricky & Barbara Perez
Kyle Rd.
Lake City, FL

Project Title:
1005059WoodmanParkBuildersPerezRes
Building Type: User

5/26/2010

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)
**This calculation is for Worst Case. The house has been rotated 270 degrees.**

**Component Loads for Whole House**

| Window | Panes/Type | Frame | U | Orientation | Area(sqft) X | HTM= | Load |
|---|---|---|---|---|---|---|---|
| 1 | 2, NFRC 0.35 | Metal | 0.35 | W | 15.0 | 12.9 | 194 Btuh |
| 2 | 2, NFRC 0.35 | Metal | 0.35 | W | 26.7 | 12.9 | 345 Btuh |
| 3 | 2, NFRC 0.35 | Metal | 0.35 | W | 18.0 | 12.9 | 233 Btuh |
| 4 | 2, NFRC 0.35 | Metal | 0.35 | E | 60.0 | 12.9 | 777 Btuh |
| 5 | 2, NFRC 0.35 | Metal | 0.35 | E | 30.0 | 12.9 | 388 Btuh |
| 6 | 2, NFRC 0.35 | Metal | 0.35 | S | 15.0 | 12.9 | 194 Btuh |
| 7 | 2, NFRC 0.35 | Metal | 0.35 | S | 6.0 | 12.9 | 78 Btuh |
| | Window Total | | | | 170.7(sqft) | | 2210 Btuh |

| Walls | Type | Ornt. | Ueff. | R-Value (Cav/Sh) | Area X | HTM= | Load |
|---|---|---|---|---|---|---|---|
| 1 | Frame - Wood | - Ext | (0.089) | 13.0/0.0 | 379 | 3.28 | 1245 Btuh |
| 2 | Frame - Wood | - Ext | (0.089) | 13.0/0.0 | 339 | 3.28 | 1112 Btuh |
| 3 | Frame - Wood | - Ext | (0.089) | 13.0/0.0 | 342 | 3.28 | 1123 Btuh |
| 4 | Frame - Wood | - Ext | (0.089) | 13.0/0.0 | 298 | 3.28 | 978 Btuh |
| | Wall Total | | | | 1357(sqft) | | 4458 Btuh |

| Doors | Type | Storm | Ueff. | Area X | HTM= | Load |
|---|---|---|---|---|---|---|
| 1 | Insulated - Exterior, | n | (0.400) | 13 | 14.8 | 197 Btuh |
| 2 | Insulated - Exterior, | n | (0.400) | 20 | 14.8 | 296 Btuh |
| 3 | Insulated - Exterior, | n | (0.400) | 20 | 14.8 | 296 Btuh |
| | Door Total | | | 53(sqft) | | 789Btuh |

| Ceilings | Type/Color/Surface | Ueff. | R-Value | Area X | HTM= | Load |
|---|---|---|---|---|---|---|
| 1 | Vented Attic/D/Shing | (0.032) | 30.0/0.0 | 1930 | 1.2 | 2274 Btuh |
| 2 | Knee Wall/D/Shing | (0.032) | 30.0/0.0 | 120 | 1.2 | 141 Btuh |
| | Ceiling Total | | | 2050(sqft) | | 2416Btuh |

| Floors | Type | Ueff. | R-Value | Size X | HTM= | Load |
|---|---|---|---|---|---|---|
| 1 | Slab On Grade | (1.180) | 0.0 | 198.0 ft(perim.) | 43.7 | 8645 Btuh |
| | Floor Total | | | 1930 sqft | | 8645 Btuh |

| | | |
|---|---|---|
| | Envelope Subtotal: | 18517 Btuh |

| Infiltration | Type | ACH | Volume(cuft) | Wall Ratio | CFM= | |
|---|---|---|---|---|---|---|
| | Natural | 0.50 | 15440 | 1.00 | 128.7 | 5212 Btuh |

| | | |
|---|---|---|
| **Duct load** | Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.189) | 4476 Btuh |
| **All Zones** | **Sensible Subtotal All Zones** | **28205 Btuh** |

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Ricky & Barbara Perez
Kyle Rd.
Lake City, FL

Project Title:
1005059WoodmanParkBuildersPerezRes
Building Type: User

5/26/2010

### WHOLE HOUSE TOTALS

| | | |
|---|---|---|
| **Totals for Heating** | Subtotal Sensible Heat Loss<br>Ventilation Sensible Heat Loss<br>Total Heat Loss | 28205 Btuh<br>0 Btuh<br>28205 Btuh |

### EQUIPMENT

| | | |
|---|---|---|
| 1. Electric Heat Pump | # | 33000 Btuh |

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

# System Sizing Calculations - Summer

## Residential Load - Whole House Component Details

Ricky & Barbara Perez
Kyle Rd.
Lake City, FL

Project Title:
1005059WoodmanParkBuildersPerezRes

5/26/2010

Reference City: Gainesville, FL  Temperature Difference: 17.0F(MJ8 99%)  Humidity difference: 54gr.
**This calculation is for Worst Case. The house has been rotated 270 degrees.**

### Component Loads for Whole House

| | Type* | | | | | Overhang | | Window Area(sqft) | | | HTM | | Load |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Window** | Panes | SHGC | U | InSh | IS | Ornt | Len | Hgt | Gross | Shaded | Unshaded | Shaded | Unshaded | |
| 1 | 2 NFRC | 0.35, 0.35 | | No | No | W | 1.5ft | 1.0ft | 15.0 | 0.7 | 14.3 | 13 | 40 | 576 Btuh |
| 2 | 2 NFRC | 0.35, 0.35 | | No | No | W | 1.5ft | 1.0ft | 26.7 | 1.0 | 25.7 | 13 | 40 | 1033 Btuh |
| 3 | 2 NFRC | 0.35, 0.35 | | No | No | W | 1.5ft | 1.0ft | 18.0 | 1.5 | 16.5 | 13 | 40 | 676 Btuh |
| 4 | 2 NFRC | 0.35, 0.35 | | No | No | E | 8.0ft | 1.0ft | 60.0 | 60.0 | 0.0 | 13 | 40 | 799 Btuh |
| 5 | 2 NFRC | 0.35, 0.35 | | No | No | E | 1.5ft | 1.0ft | 30.0 | 1.5 | 28.5 | 13 | 40 | 1152 Btuh |
| 6 | 2 NFRC | 0.35, 0.35 | | No | No | S | 0.0ft | 0.0ft | 15.0 | 0.0 | 15.0 | 13 | 16 | 241 Btuh |
| 7 | 2 NFRC | 0.35, 0.35 | | No | No | S | 1.5ft | 1.0ft | 6.0 | 6.0 | 0.0 | 13 | 16 | 80 Btuh |
| | Excursion | | | | | | | | | | | | | 428 Btuh |
| | Window Total | | | | | | | | 171 (sqft) | | | | | 4984 Btuh |

| **Walls** | Type | U-Value | R-Value Cav/Sheath | Area(sqft) | HTM | Load |
|---|---|---|---|---|---|---|
| 1 | Frame - Wood - Ext | 0.09 | 13.0/0.0 | 379.0 | 2.1 | 791 Btuh |
| 2 | Frame - Wood - Ext | 0.09 | 13.0/0.0 | 338.7 | 2.1 | 706 Btuh |
| 3 | Frame - Wood - Ext | 0.09 | 13.0/0.0 | 342.0 | 2.1 | 713 Btuh |
| 4 | Frame - Wood - Ext | 0.09 | 13.0/0.0 | 297.7 | 2.1 | 621 Btuh |
| | Wall Total | | | 1357 (sqft) | | 2831 Btuh |

| **Doors** | Type | Area (sqft) | HTM | Load |
|---|---|---|---|---|
| 1 | Insulated - Exterior | 13.3 | 11.2 | 149 Btuh |
| 2 | Insulated - Exterior | 20.0 | 11.2 | 224 Btuh |
| 3 | Insulated - Exterior | 20.0 | 11.2 | 224 Btuh |
| | Door Total | 53 (sqft) | | 597 Btuh |

| **Ceilings** | Type/Color/Surface | U-Value | R-Value | Area(sqft) | HTM | Load |
|---|---|---|---|---|---|---|
| 1 | Vented Attic/DarkShingle | 0.032 | 30.0/0.0 | 1930.0 | 1.66 | 3196 Btuh |
| 2 | Knee Wall/DarkShingle | 0.032 | 30.0/0.0 | 120.0 | 1.66 | 199 Btuh |
| | Ceiling Total | | | 2050 (sqft) | | 3395 Btuh |

| **Floors** | Type | R-Value | Size | HTM | Load |
|---|---|---|---|---|---|
| 1 | Slab On Grade | 0.0 | 1930 (ft-perimeter) | 0.0 | 0 Btuh |
| | Floor Total | | 1930.0 (sqft) | | 0 Btuh |

| | | | | | |
|---|---|---|---|---|---|
| | | | Envelope Subtotal: | | 11807 Btuh |
| **Infiltration** | Type | ACH | Volume(cuft) | Wall Ratio | CFM= | Load |
| | SensibleNatural | 0.40 | 15440 | 1357 | 128.7 | 1916 Btuh |
| **Internal gain** | | Occupants | Btuh/occupant | | Appliance | Load |
| | | 4 | X 230 | + | 2400 | 3320 Btuh |
| | | | Sensible Envelope Load: | | | 17043 Btuh |
| **Duct load** | Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) | | | (DGM of 0.324) | | 5527 Btuh |
| | | | **Sensible Load All Zones** | | | **22570 Btuh** |

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Ricky & Barbara Perez
Kyle Rd.
Lake City, FL

Project Title: 1005059WoodmanParkBuildersPerezRes
Climate:FL_GAINESVILLE_REGIONAL_A

5/26/2010

### WHOLE HOUSE TOTALS

| | | |
|---|---|---|
| **Whole House Totals for Cooling** | **Sensible Envelope Load All Zones** | **17043 Btuh** |
| | Sensible Duct Load | 5527 Btuh |
| | **Total Sensible Zone Loads** | **22570 Btuh** |
| | Sensible ventilation | 0 Btuh |
| | Blower | 0 Btuh |
| | **Total sensible gain** | **22570 Btuh** |
| | Latent infiltration gain (for 54 gr. humidity difference) | 3762 Btuh |
| | Latent ventilation gain | 0 Btuh |
| | Latent duct gain | 1187 Btuh |
| | Latent occupant gain (4 people @ 200 Btuh per person) | 800 Btuh |
| | Latent other gain | 0 Btuh |
| | **Latent total gain** | **5749 Btuh** |
| | **TOTAL GAIN** | **28319 Btuh** |

### EQUIPMENT

| | | |
|---|---|---|
| 1. Central Unit | # | 33000 Btuh |

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8

# Julius Lee

RE: 334914 - WOODMAN PARK - PEREZ RES.

**1109 Coastal Bay Blvd.**
**Boynton Beach, FL 33435**

**Site Information:**
Project Customer: WOODMAN PARK Project Name: 334914 Model: PEREZ RES.
Lot/Block: Subdivision:
Address: KYLE ST.
City: COLUMBIA CTY State: FL

**Name Address and License # of Structural Engineer of Record, If there is one, for the building.**
Name: MARK E. HADDOX License #: CRC1329442
Address: 4816 W US HWY 90 STE 100
City: LAKE CITY, State: FL

**General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):**
Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.1
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 17 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

**In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.**

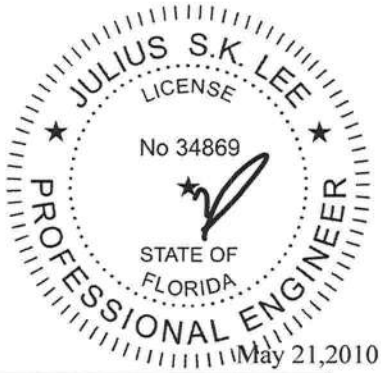
| No. | Seal# | Truss Name | Date |
|---|---|---|---|
| 1 | I4335665 | CJ1 | 5/21/010 |
| 2 | I4335666 | CJ3 | 5/21/010 |
| 3 | I4335667 | CJ5 | 5/21/010 |
| 4 | I4335668 | EJ7 | 5/21/010 |
| 5 | I4335669 | HJ9 | 5/21/010 |
| 6 | I4335670 | T01 | 5/21/010 |
| 7 | I4335671 | T02 | 5/21/010 |
| 8 | I4335672 | T03 | 5/21/010 |
| 9 | I4335673 | T04 | 5/21/010 |
| 10 | I4335674 | T05 | 5/21/010 |
| 11 | I4335675 | T05G | 5/21/010 |
| 12 | I4335676 | T06 | 5/21/010 |
| 13 | I4335677 | T06G | 5/21/010 |
| 14 | I4335678 | T07 | 5/21/010 |
| 15 | I4335679 | T08 | 5/21/010 |
| 16 | I4335680 | T08G | 5/21/010 |
| 17 | I4335681 | T09 | 5/21/010 |

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Lake City).

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2011.

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

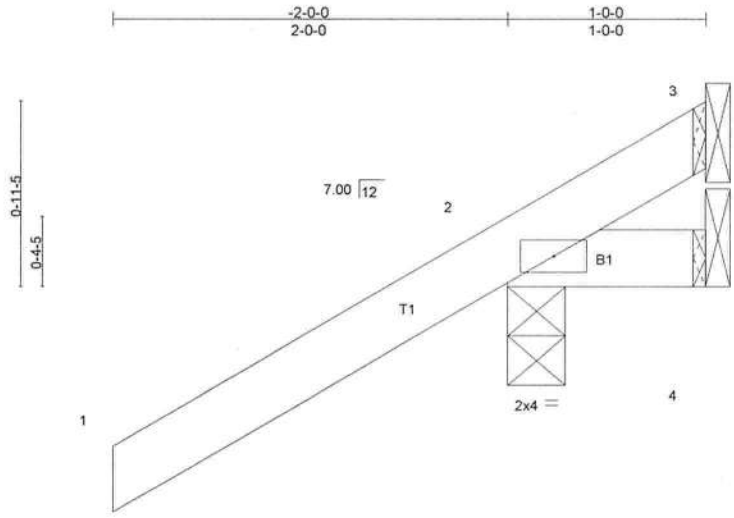



May 21,2010

Julius Lee

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. |
|---|---|---|---|---|---|
| 334914 | CJ1 | JACK | 4 | 1 | I4335665 |
| | | | | | Job Reference (optional) |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri May 21 08:25:59 2010 Page 1




| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.34 | Vert(LL) | -0.00 | 2 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.01 | Vert(TL) | -0.00 | 2 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.00 | 2 | **** | 240 | 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.

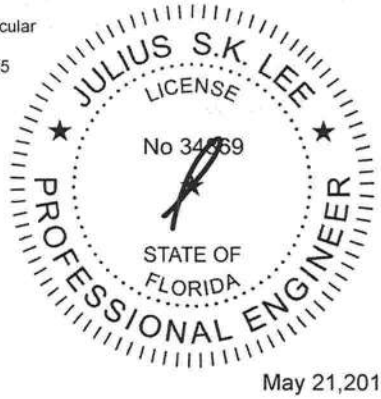
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical
Max Horz 2=127(LC 6)
Max Uplift 2=-367(LC 6), 3=-90(LC 1)
Max Grav 2=256(LC 1), 4=14(LC 2), 3=175(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 367 lb uplift at joint 2 and 90 lb uplift at joint 3.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




May 21,2010




Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. | I4335667 |
|---|---|---|---|---|---|---|
| 334914 | CJ5 | JACK | 4 | 1 | Job Reference (optional) | |

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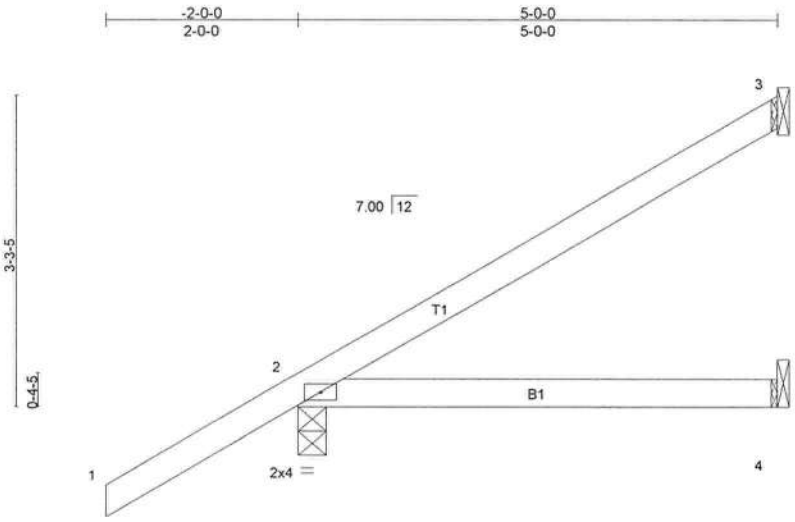



| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.36 | Vert(LL) | -0.03 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.16 | Vert(TL) | -0.05 | 2-4 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.00 | 2 | **** | 240 | Weight: 20 lb | |

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

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

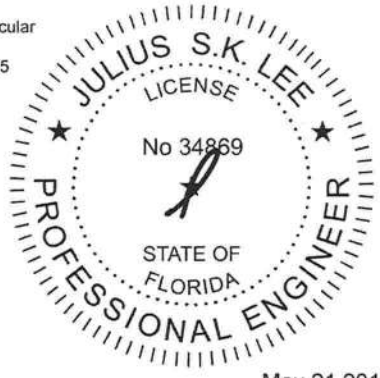
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=261(LC 6)
Max Uplift 3=-125(LC 6), 2=-255(LC 6)
Max Grav 3=103(LC 1), 2=295(LC 1), 4=72(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES** (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 3 and 255 lb uplift at joint 2.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




May 21,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. |
|---|---|---|---|---|---|
| 334914 | HJ9 | MONO TRUSS | 2 | 1 | I4335669 |
| | | | | | Job Reference (optional) |

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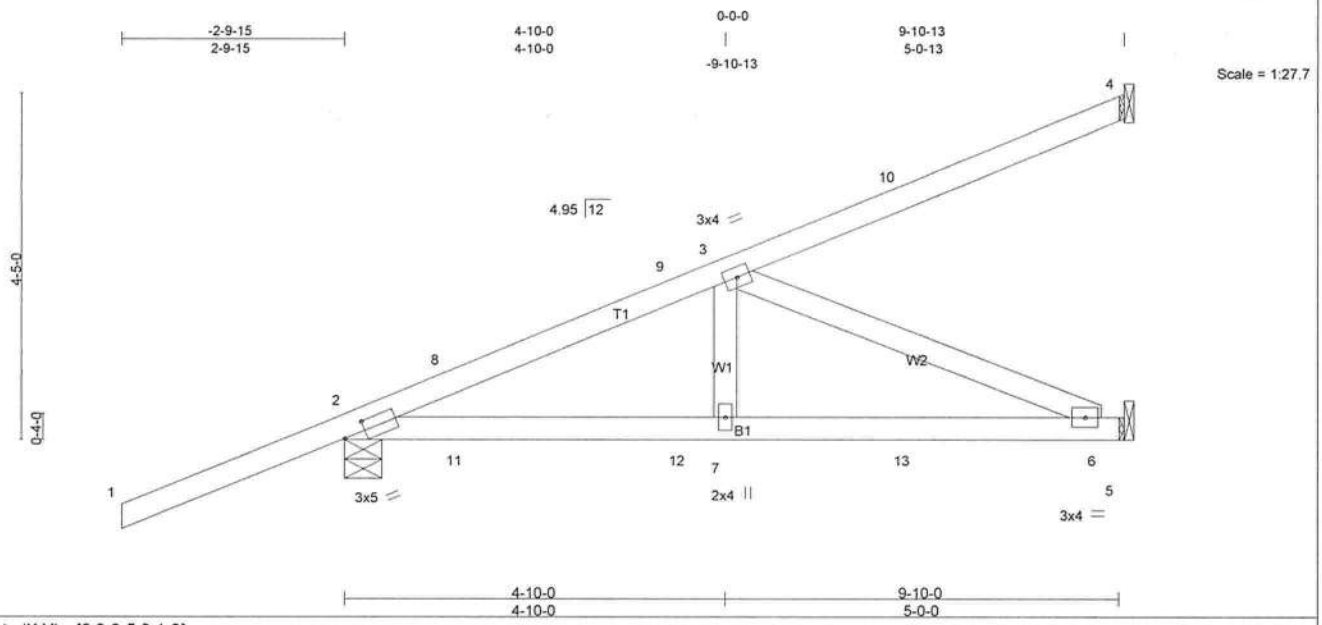


Plate Offsets (X,Y): [2:0-3-5,0-1-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.65 | Vert(LL) | -0.05 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.38 | Vert(TL) | -0.09 | 6-7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.21 | Horz(TL) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.03 | 6-7 | >999 | 240 | Weight: 45 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.

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

**REACTIONS** (lb/size) 4=155/Mechanical, 2=439/0-5-11, 5=189/Mechanical
Max Horz 2=330(LC 5)
Max Uplift 4=-182(LC 5), 2=-492(LC 5), 5=-135(LC 6)
Max Grav 4=155(LC 1), 2=439(LC 1), 5=230(LC 2)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-447/284, 8-9=-450/275, 3-9=-406/261
BOT CHORD 2-11=-374/383, 11-12=-374/383, 7-12=-374/383, 7-13=-374/383, 6-13=-374/383
WEBS 3-6=-416/406

**NOTES** (10-11)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 4, 492 lb uplift at joint 2 and 135 lb uplift at joint 5.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 37 lb up at 1-5-12, 37 lb up at 1-5-12, 9 lb down and 23 lb up at 4-3-11, 9 lb down and 23 lb up at 4-3-11, and 49 lb down and 108 lb up at 7-1-10, and 49 lb down and 108 lb up at 7-1-10 on top chord, and 16 lb up at 1-5-12, 16 lb up at 1-5-12, 12 lb down at 4-3-11, 12 lb down at 4-3-11, and 42 lb down at 7-1-10, and 42 lb down at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

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

May 21,2010

Continued on page 2



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. | I4335670 |
|---|---|---|---|---|---|---|
| 334914 | T01 | HIP | 1 | 1 | Job Reference (optional) | |

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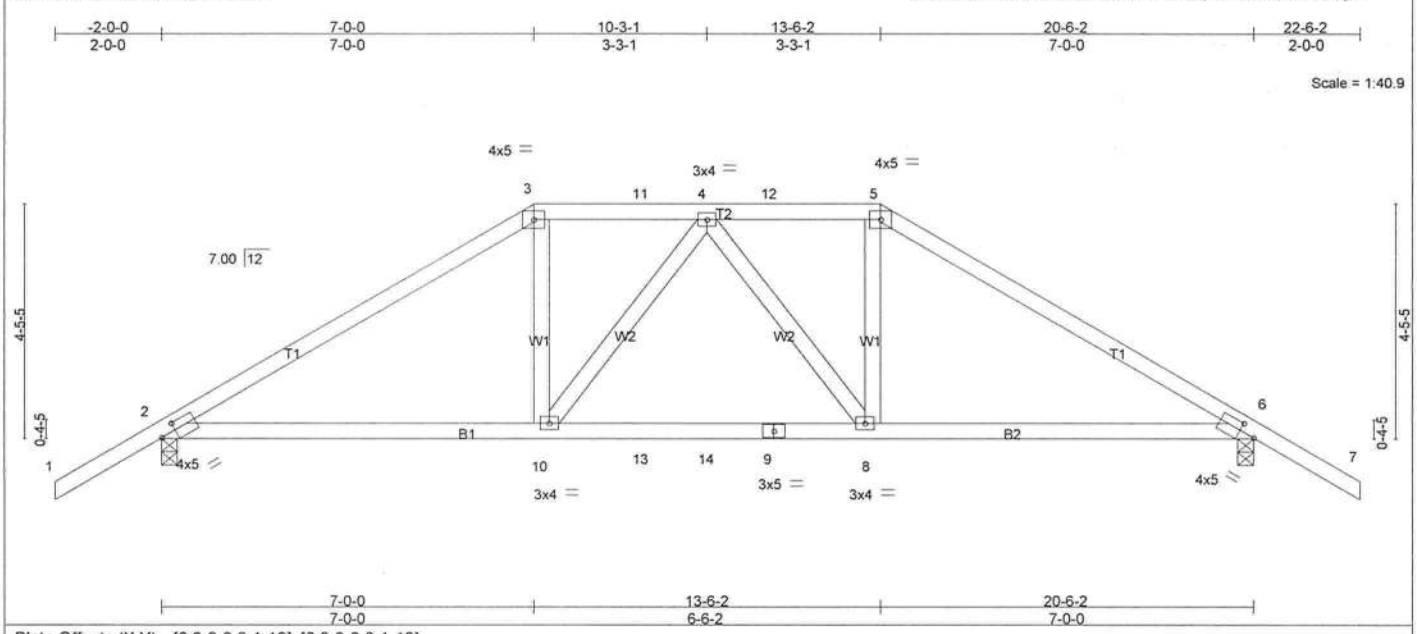



Plate Offsets (X,Y): [2:0-3-8,0-1-12], [6:0-3-8,0-1-12]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.46 | Vert(LL) | -0.10 | 8-10 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.55 | Vert(TL) | -0.22 | 8-10 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.21 | Horz(TL) | 0.06 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.09 | 8-10 | >999 | 240 | Weight: 98 lb | |

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

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-5 oc bracing.

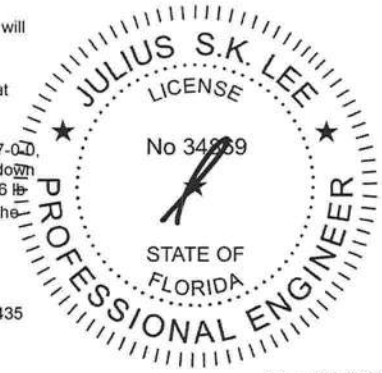
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 6=1381/0-3-8, 2=1381/0-3-8
Max Horz 2=-142(LC 3)
Max Uplift 6=-858(LC 6), 2=-858(LC 5)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2138/1245, 3-11=-1763/1135, 4-11=-1762/1135, 4-12=-1763/1135, 5-12=-1763/1135, 5-6=-2138/1245
BOT CHORD 2-10=-1009/1744, 10-13=-1102/1903, 13-14=-1102/1903, 9-14=-1102/1903, 8-9=-1102/1903, 6-8=-972/1744
WEBS 3-10=-297/641, 4-10=-323/315, 4-8=-322/315, 5-8=-297/641

**NOTES** (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 858 lb uplift at joint 6 and 858 lb uplift at joint 2.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 204 lb down and 273 lb up at 7-0-0, 103 lb down and 109 lb up at 9-0-12, 103 lb down and 109 lb up at 10-3-1, and 103 lb down and 109 lb up at 11-5-6, and 204 lb down and 273 lb up at 13-6-2 on top chord, and 266 lb down and 126 lb up at 7-0-0, 66 lb down at 9-0-12, 66 lb down at 10-3-1, and 66 lb down at 11-5-6, and 266 lb down and 126 lb up at 13-5-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




May 21,2010

Continued on page 2



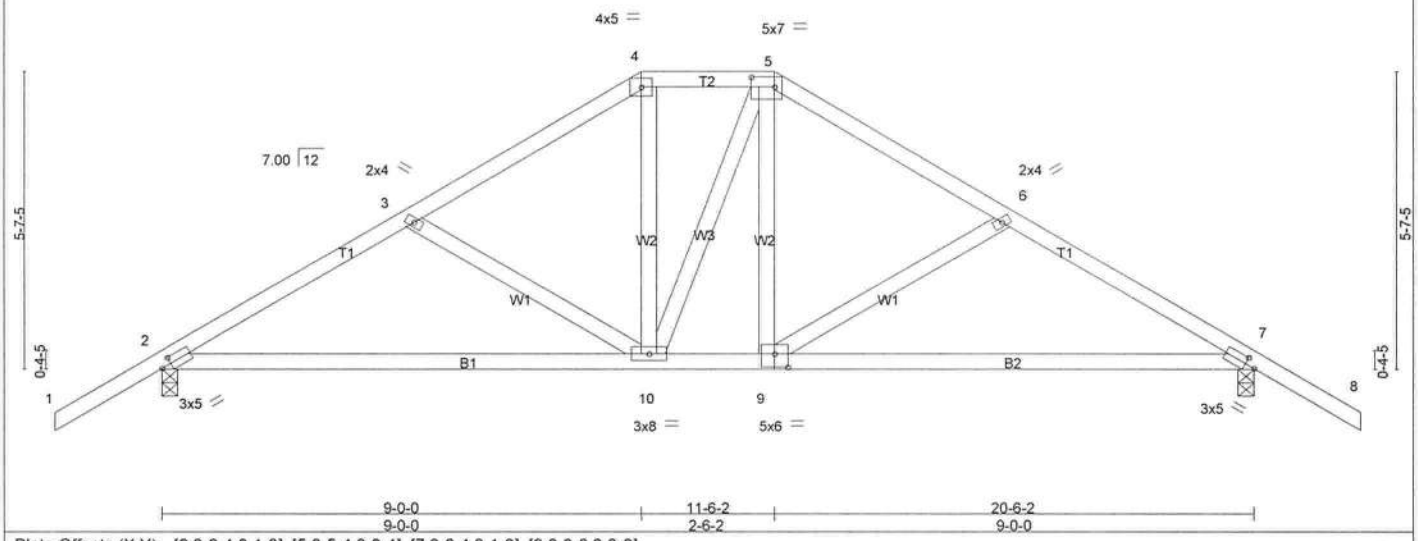
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. | I4335671 |
|---|---|---|---|---|---|---|
| 334914 | T02 | HIP | 1 | 1 | Job Reference (optional) | |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri May 21 08:26:01 2010 Page 1

-2-0-0 / 2-0-0 | 4-8-13 / 4-8-13 | 9-0-0 / 4-3-3 | 11-6-2 / 2-6-2 | 15-9-5 / 4-3-3 | 20-6-2 / 4-8-13 | 22-6-2 / 2-0-0

Scale = 1:40.9




9-0-0 / 9-0-0 | 11-6-2 / 2-6-2 | 20-6-2 / 9-0-0

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

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.32 | Vert(LL) | -0.16 | 7-9 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.43 | Vert(TL) | -0.29 | 7-9 | >836 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.11 | Horz(TL) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.04 | 9-10 | >999 | 240 | Weight: 110 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.

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

**REACTIONS** (lb/size) 2=763/0-3-8, 7=763/0-3-8
Max Horz 2=183(LC 5)
Max Uplift 2=-330(LC 6), 7=-330(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-991/605, 3-4=-758/503, 4-5=-602/495, 5-6=-757/502, 6-7=-991/605
BOT CHORD 2-10=-326/792, 9-10=-110/601, 7-9=-326/792
WEBS 3-10=-231/255, 6-9=-231/255

**NOTES** (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 330 lb uplift at joint 2 and 330 lb uplift at joint 7.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard

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

May 21,2010

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

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. | I4335673 |
|---|---|---|---|---|---|---|
| 334914 | T04 | COMMON | 1 | 2 | Job Reference (optional) | |

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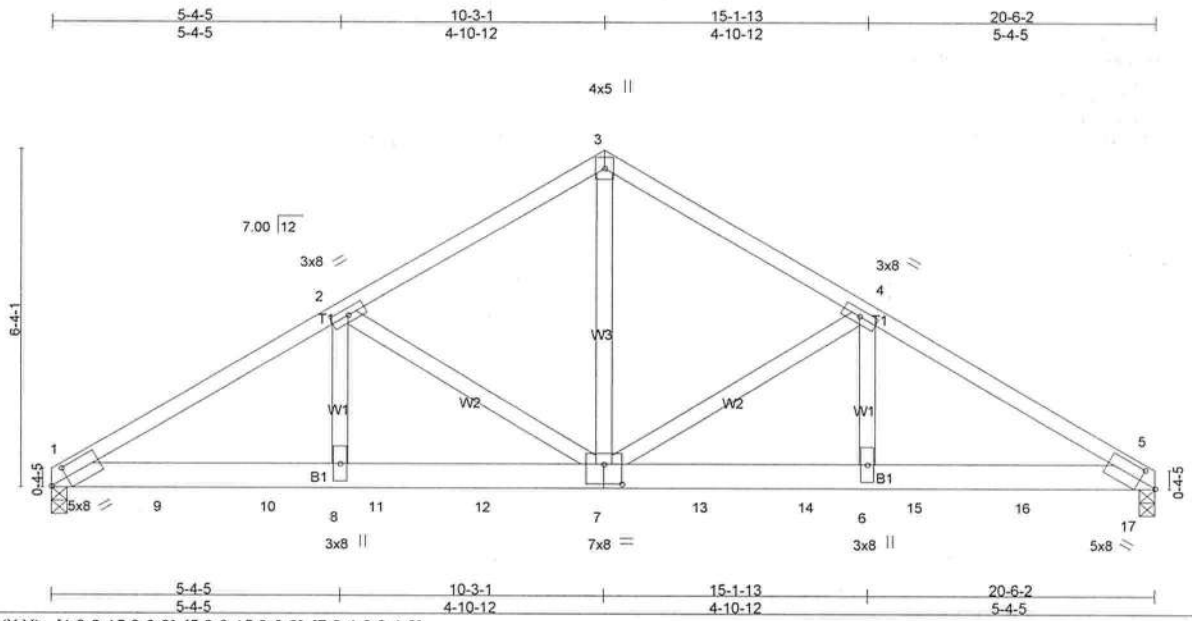


Plate Offsets (X,Y): [1:0-3-15,0-2-8], [5:0-3-15,0-2-8], [7:0-4-0,0-4-8]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.46 | Vert(LL) | -0.13 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.69 | Vert(TL) | -0.24 | 6-7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.83 | Horz(TL) | 0.07 | 5 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.12 | 6-7 | >999 | 240 | Weight: 232 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 4-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 1=5035/0-3-8, 5=5626/0-3-8
Max Horz 1=-208(LC 3)
Max Uplift 1=-1790(LC 5), 5=-2014(LC 6)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8062/2866, 2-3=-5462/1988, 3-4=-5462/1988, 4-5=-8132/2892
BOT CHORD 1-9=-2490/6899, 9-10=-2490/6899, 8-10=-2490/6899, 8-11=-2490/6899, 11-12=-2490/6899, 7-12=-2490/6899, 7-13=-2425/6960, 13-14=-2425/6960, 6-14=-2425/6960, 6-15=-2425/6960, 15-16=-2425/6960, 16-17=-2425/6960, 5-17=-2425/6960
WEBS 3-7=-1873/5176, 4-7=-2730/1089, 4-6=-878/2554, 2-7=-2658/1062, 2-8=-850/2481

**NOTES** (11-12)
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 0-4-0 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 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SYP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1790 lb uplift at joint 1 and 2014 lb uplift at joint 5.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 162 lb down and 49 lb up at 0-1-12, 920 lb down and 333 lb up at 2-0-12, 920 lb down and 333 lb up at 4-0-12, 920 lb down and 333 lb up at 6-0-12, 920 lb down and 333 lb up at 8-0-12, 920 lb down and 333 lb up at 10-0-12, 920 lb down and 333 lb up at 12-0-12, 920 lb down and 333 lb up at 14-0-12, 920 lb down and 333 lb up at 16-0-12, and 920 lb down and 333 lb up at 18-0-12, and 920 lb down and 333 lb up at 20-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Continued on page 2

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

May 21,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. |
|---|---|---|---|---|---|
| 334914 | T05 | COMMON | 10 | 1 | I4335674 |
| | | | | | Job Reference (optional) |

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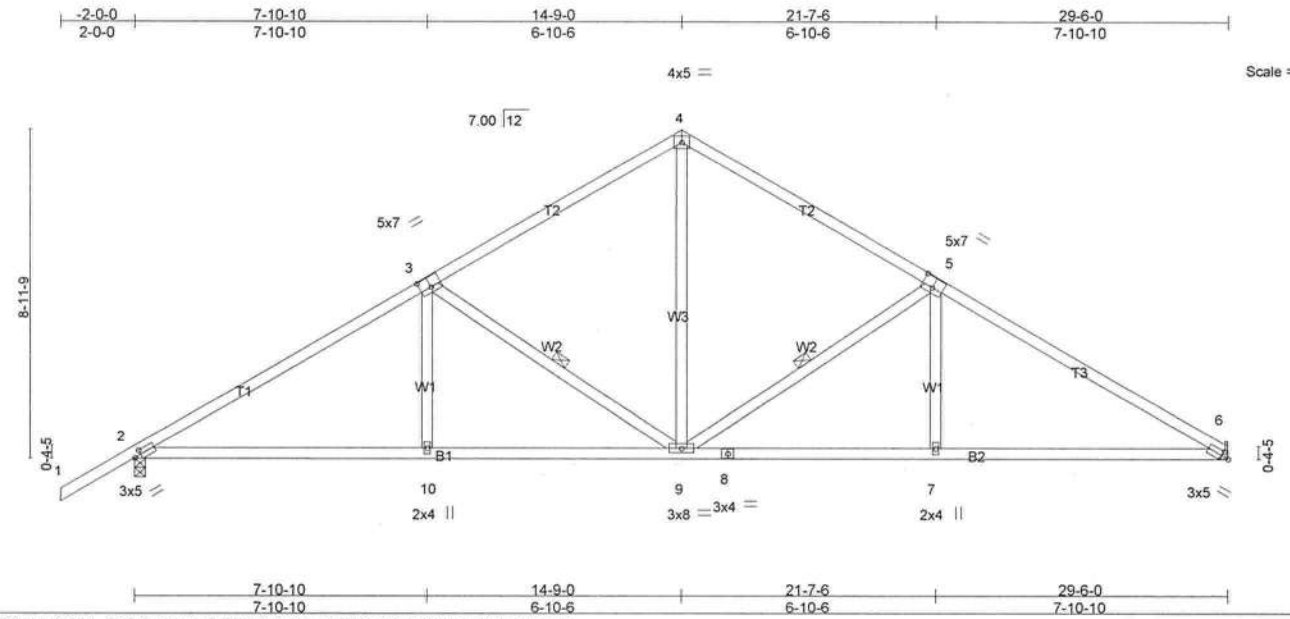



Plate Offsets (X,Y): [2:0-2-4,0-1-8], [3:0-3-8,0-3-4], [5:0-3-8,0-3-4], [6:0-2-4,0-1-8]

| LOADING (psf) | | SPACING 2-0-0 | | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.51 | Vert(LL) | -0.10 | 6-7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.37 | Vert(TL) | -0.22 | 6-7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.63 | Horz(TL) | 0.06 | 6 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.11 | 6-7 | >999 | 240 | Weight: 148 lb | |

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

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

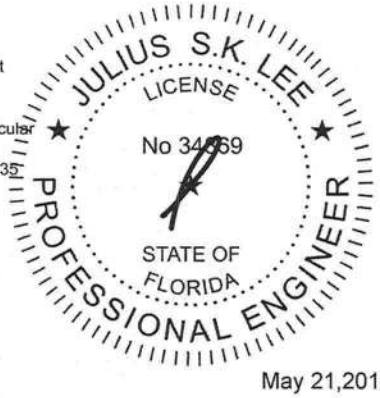
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=1055/0-3-8, 6=930/Mechanical
Max Horz 2=329(LC 5)
Max Uplift 2=-431(LC 6), 6=-306(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1498/891, 3-4=-1029/752, 4-5=-1031/756, 5-6=-1512/917
BOT CHORD 2-10=-625/1199, 9-10=-625/1198, 8-9=-660/1218, 7-8=-660/1218, 6-7=-660/1218
WEBS 4-9=-481/619, 5-9=-523/486, 3-9=-498/443

**NOTES** (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 431 lb uplift at joint 2 and 306 lb uplift at joint 6.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




May 21,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. |
|---|---|---|---|---|---|
| 334914 | T05G | GABLE | 1 | 1 | I4335675<br>Job Reference (optional) |



14) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
15) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-10=-114(F=-60), 10-18=-114(F=-60), 2-18=-10

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

May 21,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. | I4335677 |
|---|---|---|---|---|---|---|
| 334914 | T06G | GABLE | 1 | 1 | Job Reference (optional) | |

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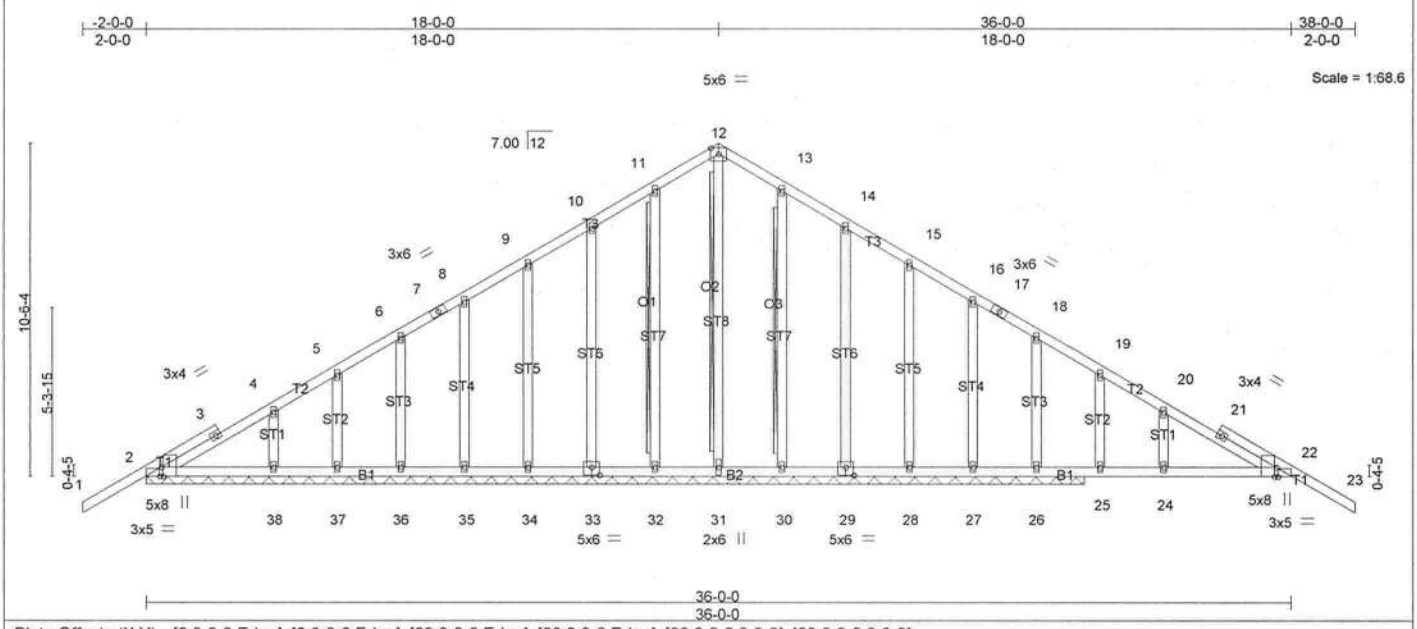


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-9,Edge], [22:0-0-9,Edge], [22:0-3-8,Edge], [29:0-3-0,0-3-0], [33:0-3-0,0-3-0]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.97 | Vert(LL) | -0.02 | 22-23 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.86 | Vert(TL) | -0.02 | 22-23 | n/r | 90 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.92 | Horz(TL) | 0.07 | 26 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | | | | | | Weight: 254 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 4-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-3-10 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 12-31, 11-32, 13-30
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.

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

**REACTIONS** All bearings 29-6-0.
(lb) - Max Horz 2=454(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-270(LC 11), 31=-916(LC 7), 32=-243(LC 6), 33=-198(LC 6), 34=-210(LC 6), 35=-209(LC 6), 36=-204(LC 6), 37=-226(LC 6), 38=-164(LC 6), 30=-273(LC 7), 29=-160(LC 7), 28=-335(LC 7), 27=-259(LC 1), 26=-1003(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 2, 33, 35, 29 except 31=1544(LC 1), 32=340(LC 1), 34=254(LC 1), 36=251(LC 10), 37=251(LC 1), 38=279(LC 10), 30=347(LC 11), 28=377(LC 1), 27=298(LC 7), 26=1040(LC 1)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1425/1304, 3-4=-1464/1457, 4-5=-1438/1470, 5-6=-1351/1467, 6-7=-1265/1410, 7-8=-1280/1468, 8-9=-1205/1468, 9-10=-1129/1465, 10-11=-1067/1483, 11-12=-958/1425, 12-13=-958/1425, 13-14=-1068/1483, 14-15=-1126/1462, 15-16=-1226/1487, 16-17=-1180/1378, 17-18=-1154/1275, 18-19=-1445/1552, 19-20=-1479/1494, 20-21=-1449/1415, 21-22=-1408/1341
BOT CHORD 2-38=-1218/1458, 37-38=-1218/1458, 36-37=-1218/1458, 35-36=-1218/1458, 34-35=-1218/1458, 33-34=-1218/1458, 32-33=-1218/1458, 31-32=-1218/1458, 30-31=-1218/1458, 29-30=-1218/1458, 28-29=-1218/1458, 27-28=-1218/1458, 26-27=-1218/1458, 25-26=-1218/1458, 24-25=-1218/1458, 22-24=-1218/1458
WEBS 12-31=-1526/1058, 11-32=-319/269, 13-30=-322/279, 15-28=-279/269, 18-26=-574/584

**NOTES** (14-15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

JULIUS S.K. LEE LICENSE No 34769 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. | I4335678 |
|---|---|---|---|---|---|---|
| 334914 | T07 | SPECIAL | 5 | 1 | Job Reference (optional) | |

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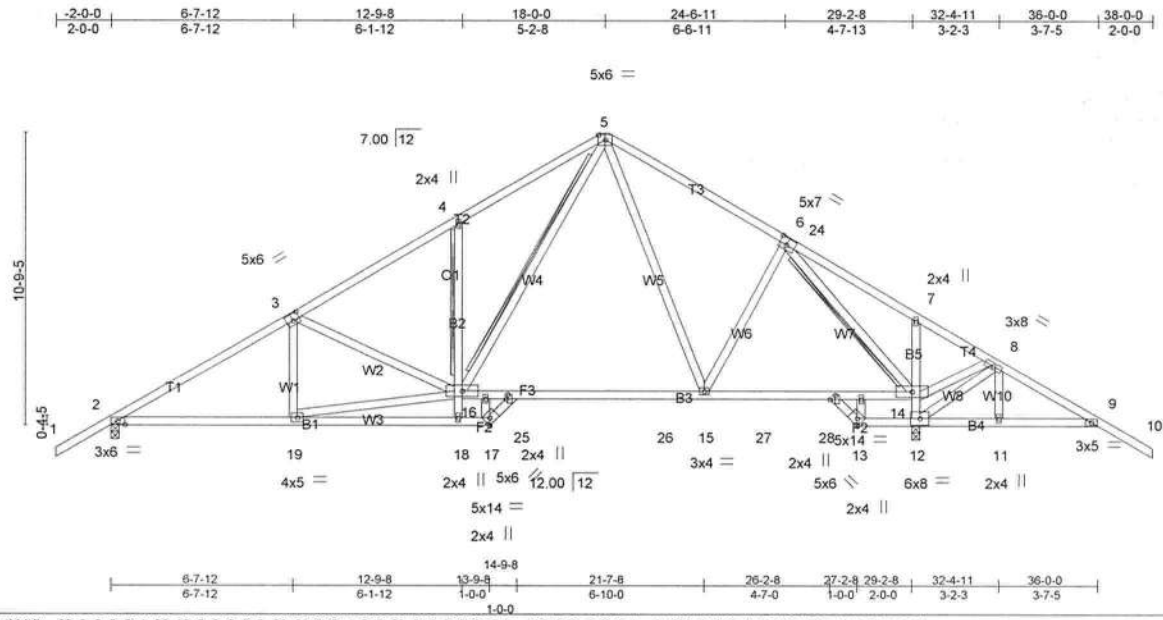


Plate Offsets (X,Y): [2:0-3-3,0-1-8], [3:0-3-0,0-3-0], [6:0-3-4,0-3-0], [13:0-2-8,Edge], [17:0-2-8,Edge], [22:0-2-0,0-0-12], [23:0-2-0,0-2-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.57 | Vert(LL) | -0.31 | 15-16 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.74 | Vert(TL) | -0.46 | 15-16 | >756 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.71 | Horz(TL) | 0.05 | 12 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.09 | 17 | >999 | 240 | Weight: 236 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2,B5: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 4-8-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 4-16
3-6-0 oc bracing: 12-14
10-0-0 oc bracing: 16-18
WEBS T-Brace: 2 X 4 SYP No.3 - 5-16, 6-14
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.

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

**REACTIONS** (lb/size) 2=1115/0-3-8, 12=2245/0-3-8
Max Horz 2=-366(LC 4)
Max Uplift 2=-433(LC 6), 12=-940(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1647/708, 3-4=-1454/616, 4-5=-1457/828, 5-6=-1004/397, 6-24=-1137/927, 7-24=-1139/914, 7-8=-1251/851, 8-9=-662/509
BOT CHORD 2-19=-429/1337, 4-16=-332/379, 16-25=-73/749, 25-26=-73/749, 15-26=-73/749, 15-27=-70/670, 27-28=-70/670, 14-28=-70/670, 12-14=-2431/2055, 7-14=-588/380, 11-12=-403/728, 9-11=-403/728
WEBS 16-19=-399/1386, 3-16=-178/304, 5-16=-603/909, 6-14=-2060/1608, 8-12=-754/362, 8-14=-611/1293

**NOTES** (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
5) All bearings are assumed to be SYP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 433 lb uplift at joint 2 and 940 lb uplift at joint 12.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 47 lb up at 29-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

JULIUS S.K. LEE LICENSE No 34769 STATE OF FLORIDA PROFESSIONAL ENGINEER

May 21,2010



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Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. |
|---|---|---|---|---|---|
| 334914 | T08 | SPECIAL | 10 | 1 | I4335679 |
| | | | | | Job Reference (optional) |

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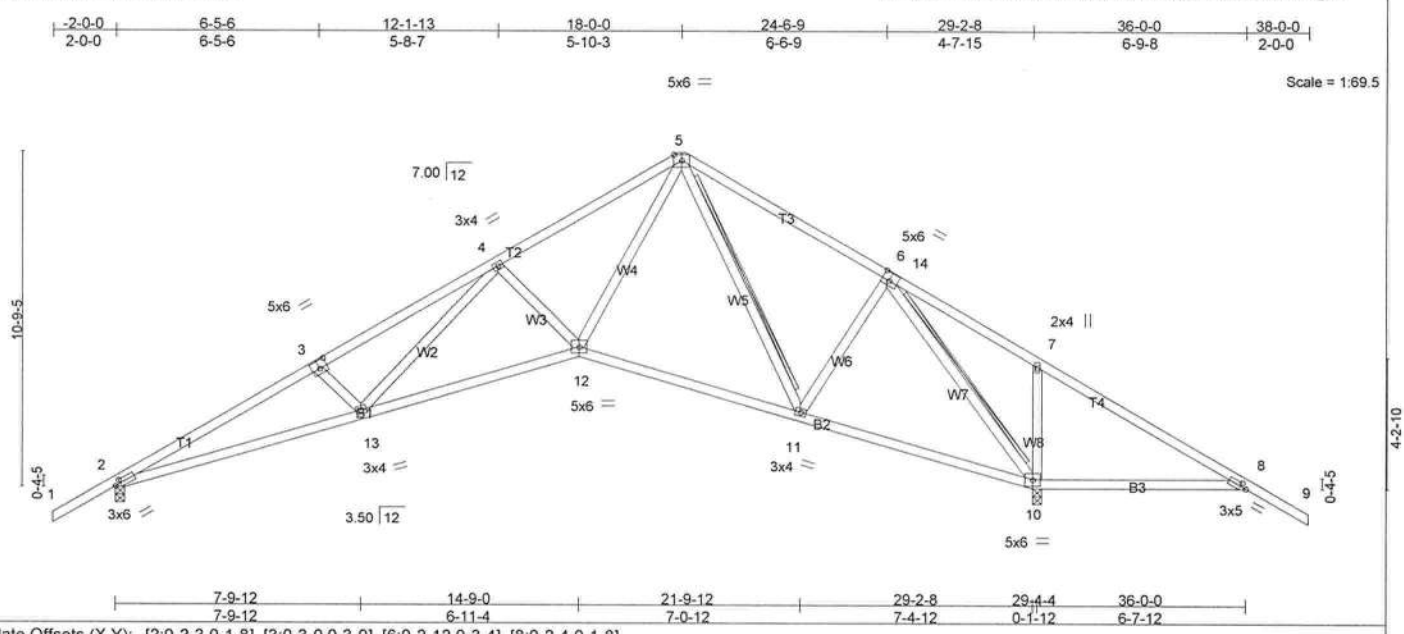


Plate Offsets (X,Y): [2:0-2-3,0-1-8], [3:0-3-0,0-3-0], [6:0-2-12,0-3-4], [8:0-2-4,0-1-8]

| LOADING (psf) | | SPACING 2-0-0 | | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.53 | Vert(LL) | -0.18 | 12-13 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.55 | Vert(TL) | -0.36 | 12-13 | >967 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.72 | Horz(TL) | 0.24 | 10 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.18 | 12-13 | >999 | 240 | Weight: 191 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 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-11, 6-10
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.

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

**REACTIONS** (lb/size) 2=1000/0-3-8, 10=2028/0-3-8
Max Horz 2=-367(LC 4)
Max Uplift 2=-440(LC 6), 10=-1040(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2595/1131, 3-4=-2377/1099, 4-5=-1623/623, 5-6=-845/389, 6-14=-733/763, 7-14=-734/750, 7-8=-900/678
BOT CHORD 2-13=-877/2241, 12-13=-554/1713, 11-12=-118/799, 10-11=-101/521, 8-10=-495/954
WEBS 3-13=-232/311, 4-13=-427/534, 4-12=-473/486, 5-12=-448/1245, 5-11=-281/235, 6-11=-126/298, 6-10=-1767/1151, 7-10=-643/593

**NOTES** (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SYP No.2 .
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 440 lb uplift at joint 2 and 1040 lb uplift at joint 10.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 76 lb up at 29-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Continued on page 2

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

May 21,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. |
|---|---|---|---|---|---|
| 334914 | T08G | GABLE | 1 | 1 | I4335680 |
| | | | | | Job Reference (optional) |

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri May 21 08:26:07 2010 Page 1

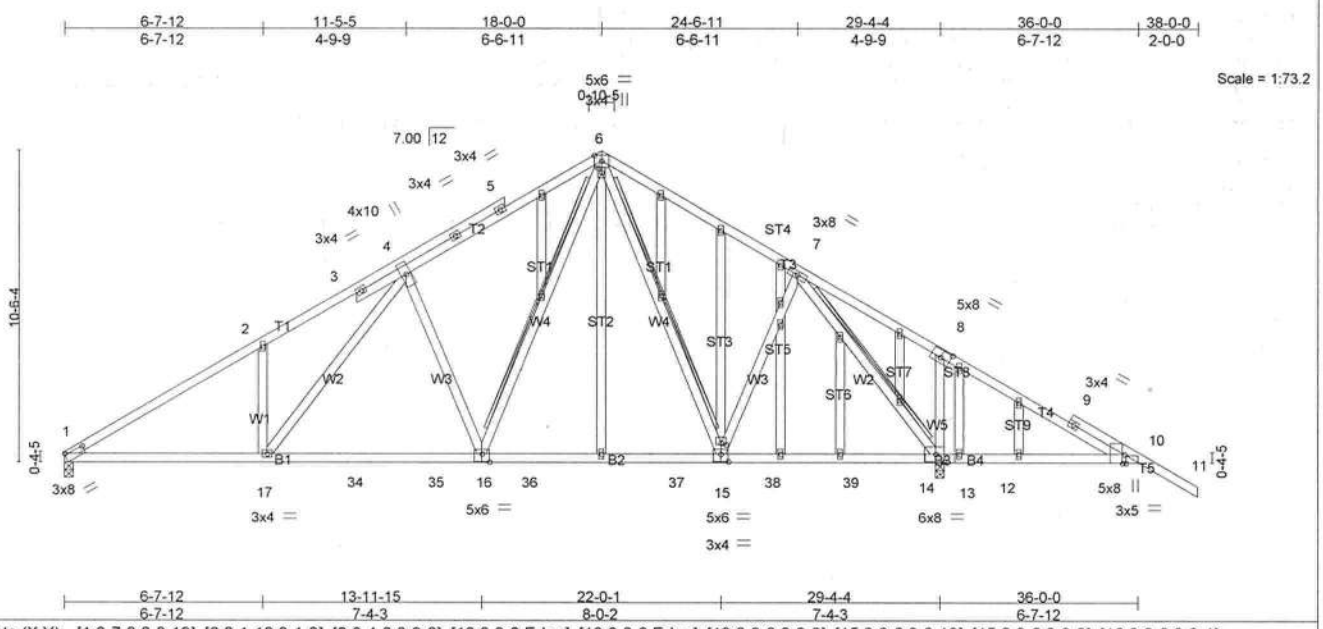


Plate Offsets (X,Y): [1:0-7-9,0-0-13], [6:0-1-12,0-1-8], [8:0-4-0,0-3-0], [10:0-3-8,Edge], [10:0-0-9,Edge], [13:0-3-8,0-3-0], [15:0-2-0,0-0-12], [15:0-3-0,0-3-0], [16:0-3-0,0-3-4]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.79 | Vert(LL) | -0.19 | 15-16 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.56 | Vert(TL) | -0.29 | 15-16 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.76 | Horz(TL) | 0.05 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.10 | 1-17 | >999 | 240 | Weight: 280 lb | |

**LUMBER**
TOP CHORD 2 X 4 SYP No.2 *Except*
T3: 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-6 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-16, 6-15
2 X 6 SYP No.2 - 7-13
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.

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

**REACTIONS** (lb/size) 1=1153/0-3-8, 13=3042/0-3-9 (0-3-8 + bearing block)
Max Horz 1=-479(LC 4)
Max Uplift 1=-591(LC 6), 13=-1776(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1972/928, 2-3=-1896/1116, 3-4=-1818/1125, 4-5=-1474/849, 5-6=-1385/850, 6-7=-1138/638, 7-8=-1062/1476, 8-9=-1238/1475, 9-10=-1201/1161
BOT CHORD 1-17=-819/1615, 17-34=-588/1381, 34-35=-588/1381, 16-35=-588/1381, 16-36=-207/913, 36-37=-207/913, 15-37=-207/913, 15-38=-117/609, 38-39=-117/609, 14-39=-117/609, 13-14=-117/609, 12-13=-1133/1250, 10-12=-1133/1250
WEBS 2-17=-203/343, 4-17=-391/396, 4-16=-516/550, 6-16=-499/792, 6-15=-277/287, 7-15=-220/545, 7-13=-2918/1693, 8-13=-583/470

**NOTES** (14-15)
1) 2 X 4 SYP No.2 bearing block 12" long at jt. 13 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SYP.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
9) All bearings are assumed to be SYP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 591 lb uplift at joint 1 and 1776 lb uplift at joint 13.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

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

May 21,2010



Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

| Job | Truss | Truss Type | Qty | Ply | WOODMAN PARK - PEREZ RES. | I4335681 |
|---|---|---|---|---|---|---|
| 334914 | T09 | COMMON | 9 | 1 | Job Reference (optional) | |

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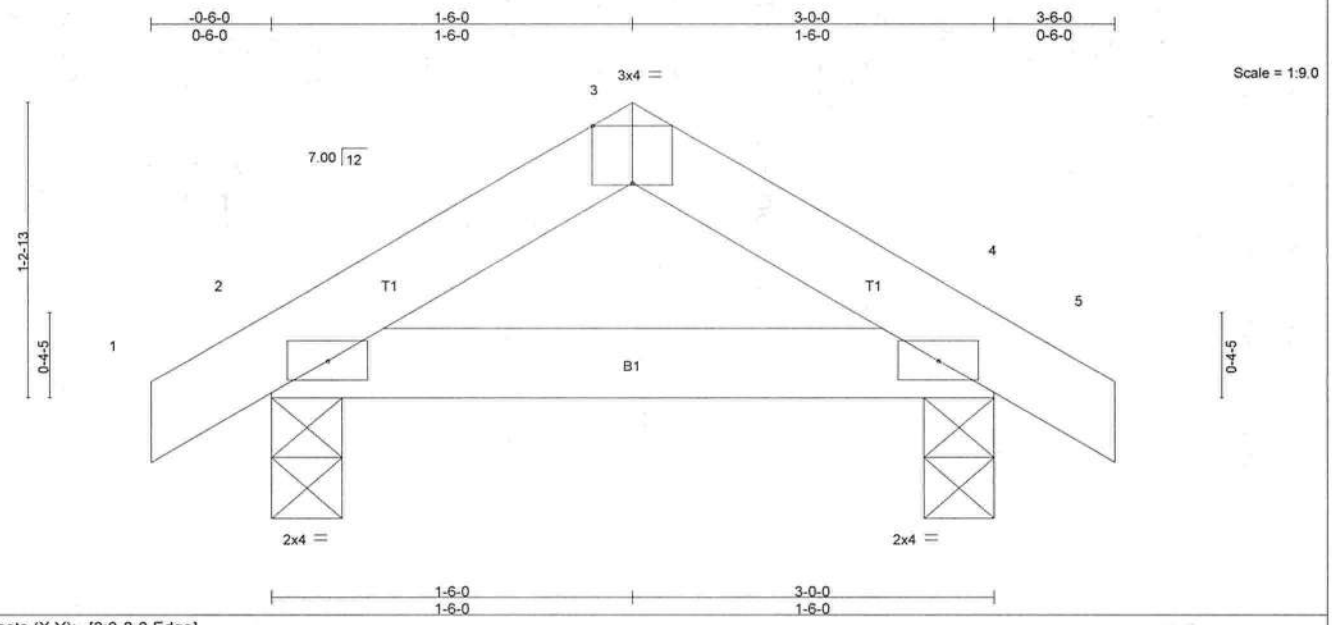



Plate Offsets (X,Y): [3:0-2-0,Edge]

| LOADING (psf) | | SPACING | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plates Increase | 1.25 | TC | 0.03 | Vert(LL) | -0.00 | 2-4 | >999 | 360 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber Increase | 1.25 | BC | 0.05 | Vert(TL) | -0.00 | 2-4 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(TL) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2007/TPI2002 | | (Matrix) | | Wind(LL) | 0.00 | 2 | **** | 240 | Weight: 12 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.

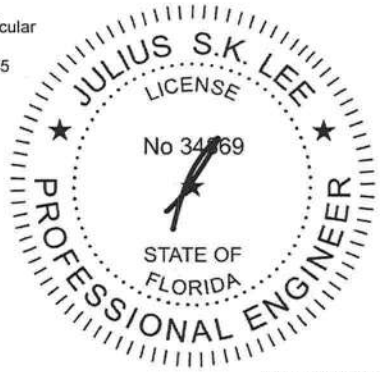
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=122/0-3-8, 4=122/0-3-8
Max Horz 2=32(LC 5)
Max Uplift 2=-68(LC 6), 4=-68(LC 7)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES** (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SYP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 2 and 68 lb uplift at joint 4.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**LOAD CASE(S)** Standard




May 21,2010



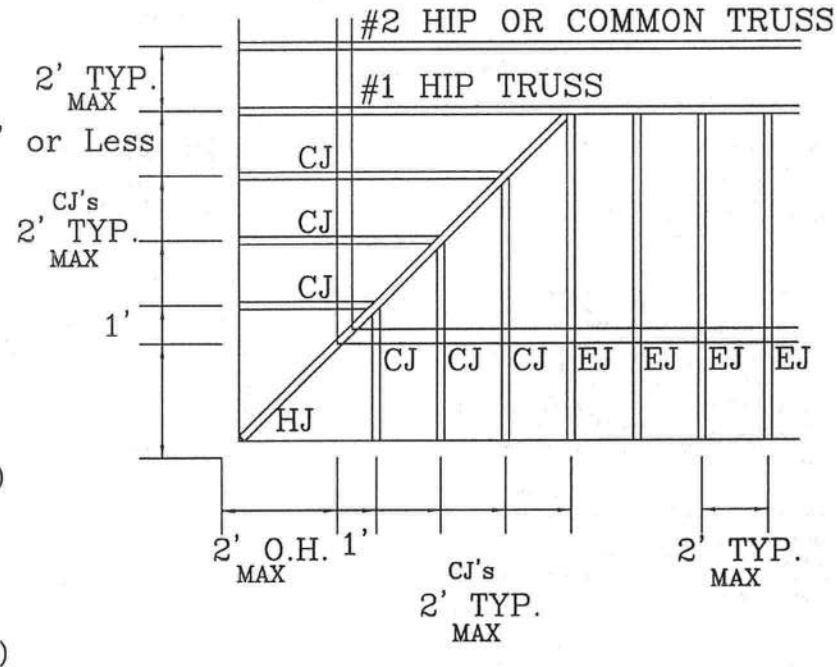
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

# STEPDOWN CORNER SET

TOP CHORD 2X4 SO. PINE #2 or Better
BOT CHORD 2X4 SO. PINE #2 or Better
WEBS 2X4 SO. PINE #3 or Better

**120 MPH MAX**

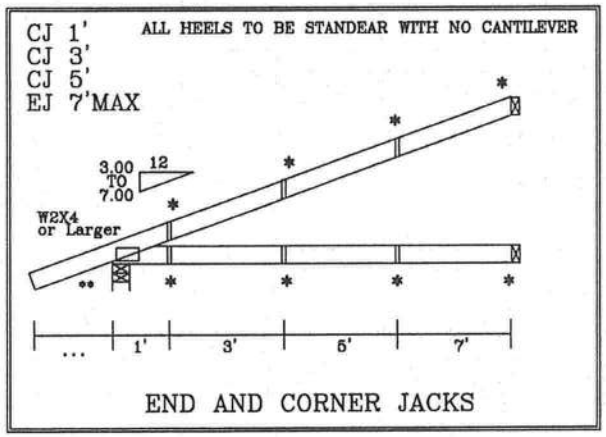
Setback 7' or Less



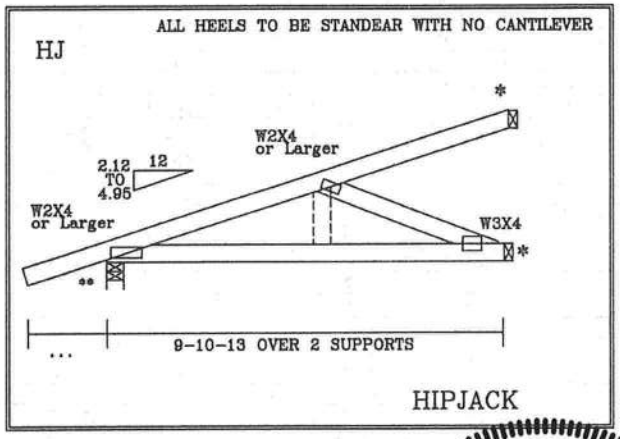

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND SPEED=120 "C" MPH. MEAN HGT=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED. TILE
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 15.0 PSF TOTAL DEAD LOAD. WIND SPEED=120 "C" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)

PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND SPEED=120 "B" MPH. MEAN HGT (of jacks)=28 FT. ENCLOSED. (ASCE 7-02)




END AND CORNER JACKS




HIPJACK

* (3) 16d TOENAILS

** SEE EOR FOR TIE DOWN

UPLIFT VALUES DO TAKE INTO ACCOUNT PORCHES EXPOSED
BC LIVE LOAD IS NON CONCURRENT 10*

| CORNER SET SETBACK |
|---|
| 7'0" MAX |

**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.

**IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTN A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.


JULIUS LEE
CONS. ENGINEERS, P.A.
1455 SW 4TH AVENUE
DELRAY BEACH, FL 33444-2161
NO. 34869
STATE OF FLORIDA
PROFESSIONAL ENGINEER


| | | |
|---|---|---|
| SINGLE | | |
| TC LL | 20 | MAX PSF |
| TC DL | 7 | MAX PSF |
| BC LL | 10* | MAX PSF |
| BC DL | 5 | MAX PSF |
| TILE | | |
| TC LL | 20 | MAX PSF |
| TC DL | 20 | MAX PSF |
| BC LL | 10* | MAX PSF |
| BC DL | 5 | MAX PSF |
| DUR. FAC. | 1.25 | |
| SPACING | 2' | MAX |

| | |
|---|---|
| REF | 7'MAX STBK CS |
| DATE | Jun./27/2008 |
| DRWG | |
| -ENG | |

REVIEWED
By julius lee at 10:52 am, Jun 27, 2008

# 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 * | | (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' 2" | 5' 6" | 5' 6" | 6' 6" | 6' 9" | 7' 10" | 8' 0" | 10' 3" | 10' 7" | 12' 3" | 12' 7" |
| | | #3 | 3' 1" | 4' 5" | 4' 5" | 5' 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" | 5' 0" | 5' 0" | 6' 9" | 6' 9" | 7' 10" | 7' 10" | 10' 7" | 10' 7" |
| | SP DFL | #1 | 3' 6" | 5' 6" | 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' 6" | 7' 0" | 7' 10" | 8' 5" | 10' 3" | 11' 1" | 12' 3" | 13' 2" |
| | | #3 | 3' 3" | 4' 6" | 4' 6" | 6' 0" | 6' 0" | 7' 10" | 8' 1" | 9' 4" | 9' 4" | 12' 3" | 12' 6" |
| | | STUD | 3' 3" | 4' 6" | 4' 6" | 5' 11" | 5' 11" | 7' 10" | 8' 0" | 9' 3" | 9' 3" | 12' 3" | 12' 6" |
| | | 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' 6" | 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" | 6' 5" | 7' 2" | 7' 2" | 8' 11" | 8' 11" | 11' 1" | 11' 1" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 7" | 4' 6" | 4' 6" | 6' 2" | 6' 2" | 8' 3" | 8' 3" | 9' 7" | 9' 7" | 12' 11" | 12' 11" |
| | SP DFL | #1 | 4' 0" | 6' 4" | 6' 10" | 7' 6" | 8' 1" | 8' 11" | 9' 7" | 11' 9" | 12' 8" | 14' 0" | 14' 0" |
| | | #2 | 3' 11" | 6' 4" | 6' 10" | 7' 6" | 8' 1" | 8' 11" | 9' 7" | 11' 9" | 12' 8" | 14' 0" | 14' 0" |
| | | #3 | 3' 9" | 5' 7" | 6' 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' 5" | 8' 6" | 9' 10" | 10' 1" | 12' 11" | 15' 4" | 14' 0" | 14' 0" |
| | | #3 | 3' 11" | 6' 3" | 6' 3" | 8' 3" | 8' 3" | 9' 10" | 9' 10" | 12' 11" | 12' 11" | 14' 0" | 14' 0" |
| | | STUD | 3' 11" | 6' 3" | 6' 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' 5" | 8' 3" | 8' 11" | 9' 10" | 10' 7" | 12' 11" | 13' 11" | 14' 0" | 14' 0" |
| | | #2 | 4' 4" | 6' 11" | 7' 5" | 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' 6" | 7' 3" | 7' 3" | 9' 9" | 9' 9" | 11' 4" | 11' 4" | 14' 0" | 14' 0" |

BRACING GROUP SPECIES AND GRADES:

GROUP A:

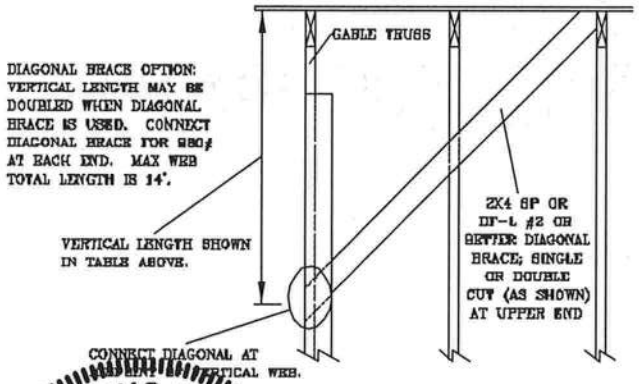
| SPRUCE-PINE-FIR | | HEM-FIR | |
|---|---|---|---|
| #1 / #2 | STANDARD | #2 | STUD |
| #3 | STUD | #3 | STANDARD |

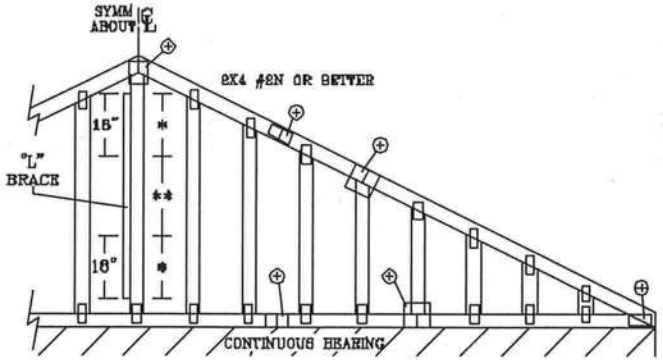
| DOUGLAS FIR-LARCH | SOUTHERN PINE |
|---|---|
| #3 | #3 |
| STUD | STUD |
| STANDARD | STANDARD |

GROUP B:

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

| SOUTHERN PINE | DOUGLAS FIR-LARCH |
|---|---|
| #1 | #1 |
| #2 | #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 (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 2" O.C. IN 16" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 16" 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' 6" | 2X4 |
| GREATER THAN 11' 6" | 2.5X4 |

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

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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REVIEWED
By julius lee at 12:00 pm, Jun 11, 2008


JULIUS LEE'S CONS. ENGINEERS P.A.
1456 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-GAB13030
DATE 11/26/03
DWG MWEK 5YD GABLE 30' E H7
-ENG

# 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

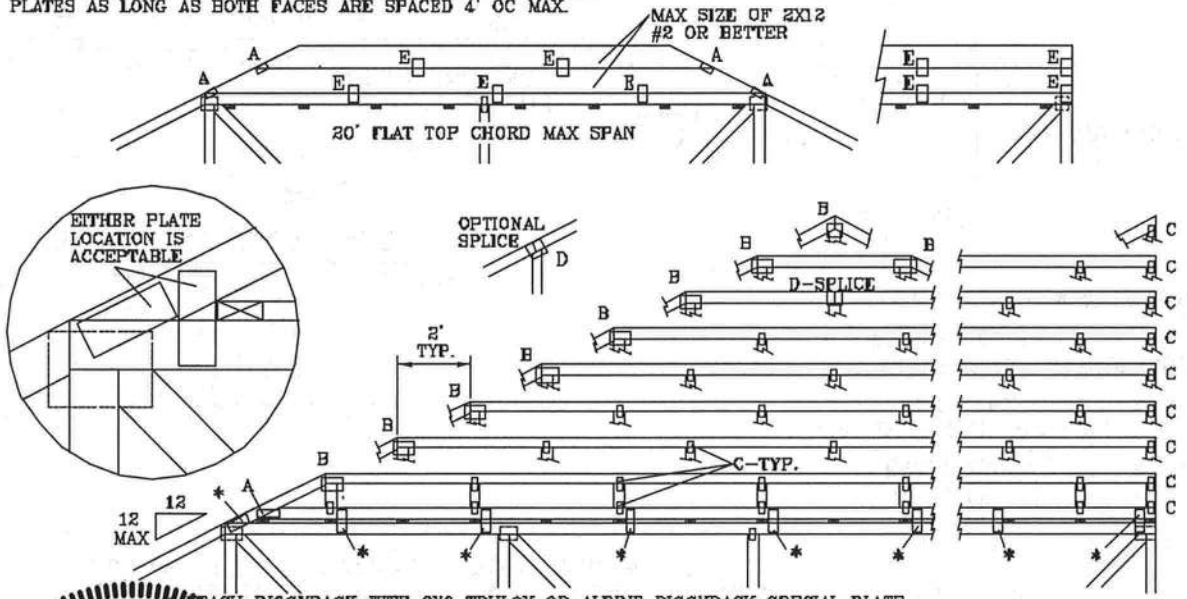
110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

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' | 52' |
| A | 2X4 | 2.5X4 | 2.5X4 | 3X5 |
| B | 4X6 | 5X6 | 5X6 | 5X6 |
| C | 1.5X3 | 1.5X4 | 1.5X4 | 1.5X4 |
| D | 5X4 | 5X5 | 5X5 | 5X6 |
| E | 4X8 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.

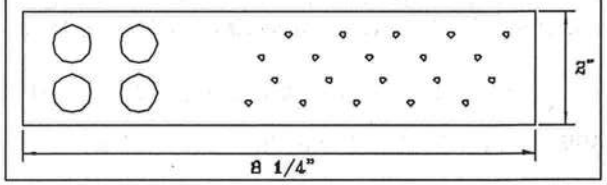



ATTACH PIGGYBACK WITH 3X6 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

| 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 8d 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

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (-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.
1450 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161
No: 34869
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| 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 |

# 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."

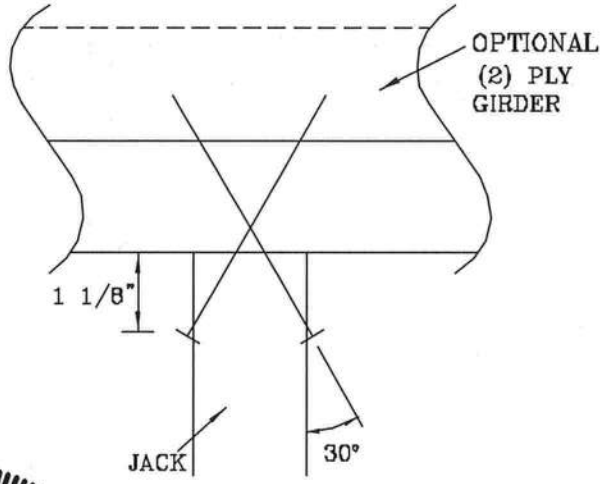
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

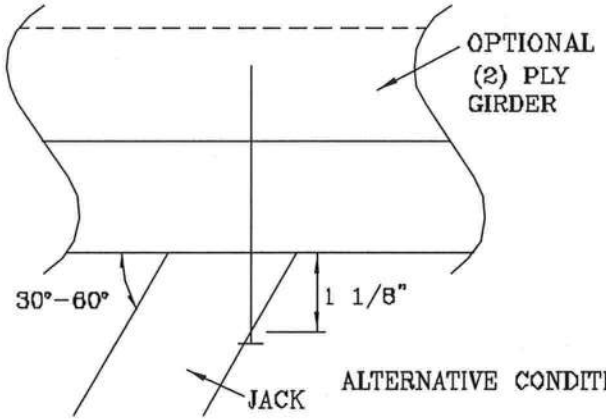
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

**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.

REVIEWED
By julius lee at 11:59 am, Jun 11, 2008


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

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 | | | |

# TRULOX CONNECTION DETAIL

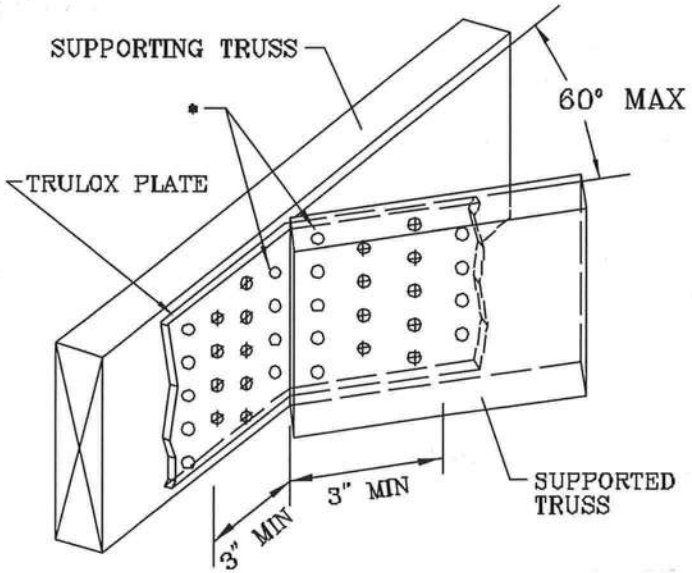
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

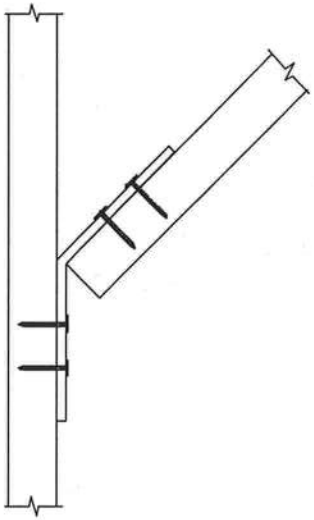
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

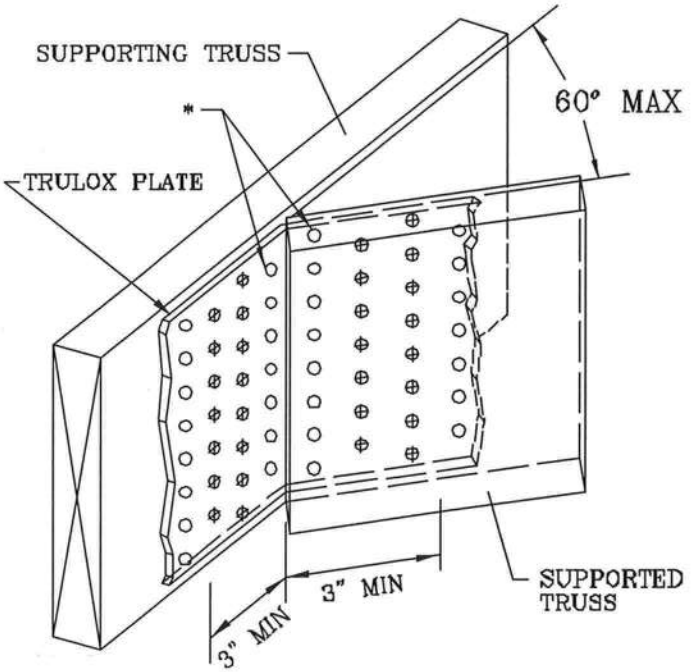
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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# |

REVIEWED
By julius lee at 11:58 am, Jun 11, 2008

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

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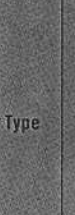
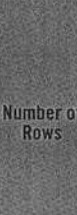
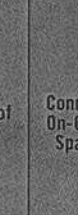
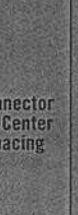
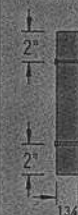
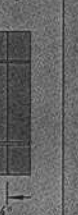
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA


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

# MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

## Maximum Uniform Load Applied to Either Outside Member (PLF)

| Connector Type | Number of Rows | Connector On-Center Spacing | Connector Pattern | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Assembly A  | Assembly B  | Assembly C  | Assembly D  | Assembly E  | Assembly F  |
| | | | 3½" 2-ply | 5¼" 3-ply | 5¼" 2-ply | 7" 3-ply | 7" 2-ply | 7" 4-ply |
| 10d (0.128" x 3") Nail[1] | 2 | 12" | 370 | ***280*** | 280 | ***245*** | | |
| | 3 | 12" | 555 | ***415*** | 415 | ***370*** | | |
| ½" A307 Through Bolts[2][4] | 2 | 24" | 505 | 380 | 520 | 465 | 860 | 340 |
| | | 19.2" | 635 | 475 | 655 | 580 | 1,075 | 425 |
| | | 16" | 760 | 570 | 785 | 695 | 1,290 | 505 |
| SDS ¼" x 3½"[4] | 2 | 24" | 680 | ***510*** | 510 | ***455*** | | |
| | | 19.2" | 850 | ***640*** | 640 | ***565*** | | |
| | | 16" | 1,020 | ***765*** | 765 | ***680*** | | |
| SDS ¼" x 6"[3][4] | 2 | 24" | | | | ***455*** | ***465*** | ***455*** |
| | | 19.2" | | | | ***565*** | ***580*** | ***565*** |
| | | 16" | | | | ***680*** | ***695*** | ***680*** |
| USP WS35 [4] | 2 | 24" | 480 | ***360*** | 360 | ***320*** | | |
| | | 19.2" | 600 | ***450*** | 450 | ***400*** | | |
| | | 16" | 715 | ***540*** | 540 | ***480*** | | |
| USP WS6 [3][4] | 2 | 24" | | | | ***350*** | ***525*** | ***350*** |
| | | 19.2" | | | | ***440*** | ***660*** | ***440*** |
| | | 16" | | | | ***525*** | ***790*** | ***525*** |
| 3⅜" TrussLok[4] | 2 | 24" | 635 | ***475*** | 475 | ***425*** | | |
| | | 19.2" | 795 | ***595*** | 595 | ***530*** | | |
| | | 16" | 955 | ***715*** | 715 | ***635*** | | |
| 5" TrussLok[4] | 2 | 24" | | ***500*** | 500 | ***445*** | ***480*** | ***445*** |
| | | 19.2" | | ***625*** | 625 | ***555*** | ***600*** | ***555*** |
| | | 16" | | ***750*** | 750 | ***665*** | ***725*** | ***665*** |
| 6¾" TrussLok[4] | 2 | 24" | | | | 445 | 620 | 445 |
| | | 19.2" | | | | 555 | 770 | 555 |
| | | 16" | | | | 665 | 925 | 665 |

(1) Nailed connection values may be doubled for 6" on-center or tripled for 4" on-center nail spacing.

(2) Washers required. Bolt holes to be 9/16" maximum.

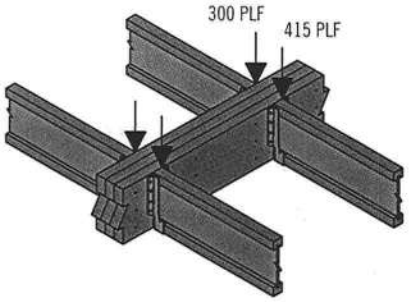
(3) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

(4) 24" on-center bolted and screwed connection values may be doubled for 12" on-center spacing.

## General Notes

- Connections are based on NDS® 2005 or manufacturer's code report.
- Use specific gravity of 0.5 when designing lateral connections.
- Values listed are for 100% stress level. Increase 15% for snow-loaded roof conditions or 25% for non-snow roof conditions, where code allows.
- ***Bold Italic*** cells indicate **Connector Pattern** must be installed on both sides. Stagger fasteners on opposite side of beam by ½ the required **Connector Spacing**.
- Verify adequacy of beam in allowable load tables on pages 16–33.
- 7" wide beams should be side-loaded only when loads are applied to both sides of the members (to minimize rotation).
- Minimum end distance for bolts and screws is 6".
- Beams wider than 7" require special consideration by the design professional.

### Uniform Load Design Example




First, check the allowable load tables on pages 16–33 to verify that three pieces can carry the total load of 715 plf with proper live load deflection criteria. Maximum load applied to either outside member is 415 plf. For a 3-ply 1¾" assembly, two rows of 10d (0.128" x 3") nails at 12" on-center is good for only 280 plf. Therefore, use three rows of 10d (0.128" x 3") nails at 12" on-center (good for 415 plf).

**Alternates:**
Two rows of ½" bolts or SDS ¼" x 3½" screws at 19.2" on-center.

Ref# 335113 Desc: BFS Job #: Lot: -
Location: JAX/Lake City/Truss Type: Entered: 05/21/2010 10:52

**Customer Account:** Dan Dunn Cash

**Project Information**

**Location**

**Lot:** N/A
**Phase:** _
**Subdivision:** CCI - RIVER TO SEA PRESERVE
**Street:** N/A
**State:** FL
**City:** Bunnell
**County:** Flagler
**Zip:**
**Customer Job Number:** CCI - RIVER TO SEA PRESERVE
**Customer Job Name:** CCI - RIVER TO SEA PRESERVE

**Repeat?** No — If repeat (**YES** or **SIMILAR**), fill out lot, phase and subdivision below:

**Lot:**
**Phase:** N/A
**Subdivision:** N/A
**(Enter Repeat Job # to get data) Job #:**

**Purchase Order#:** (if known)

**BFS Office Use Only**

**Job Number:** 335113 **BFS Sales Rep:** Dunn, Dan

**Plan Information**

**Plan:** CUSTOM **Elevation:** A **Pitch:** 5/12 **Sq Ft (For Current Level):** 1660

**Wind Speed:** 125 **Wind Borne debris region?** (•) Yes ( ) No **Mean Height:** 12

**Enclosure Classification:** Enclosed **Exposure Catgy:** C - within 1500' of coast

**Truss Loading:** **Roof** TCLL:20,TCDL:7,BCLL:0,BCDL:5 **Floor**

**Roof Material:** Shingle **Wall Width:** 8"CMU **Type** ( ) Frame (•) Block

**Floor Levels:** ( ) 1 ( ) 2 ( ) 3

**Garage:** ( ) Left ( ) Right ( ) Rear **Load** ( ) Side ( ) Front ( ) Courtyard ( ) Rear

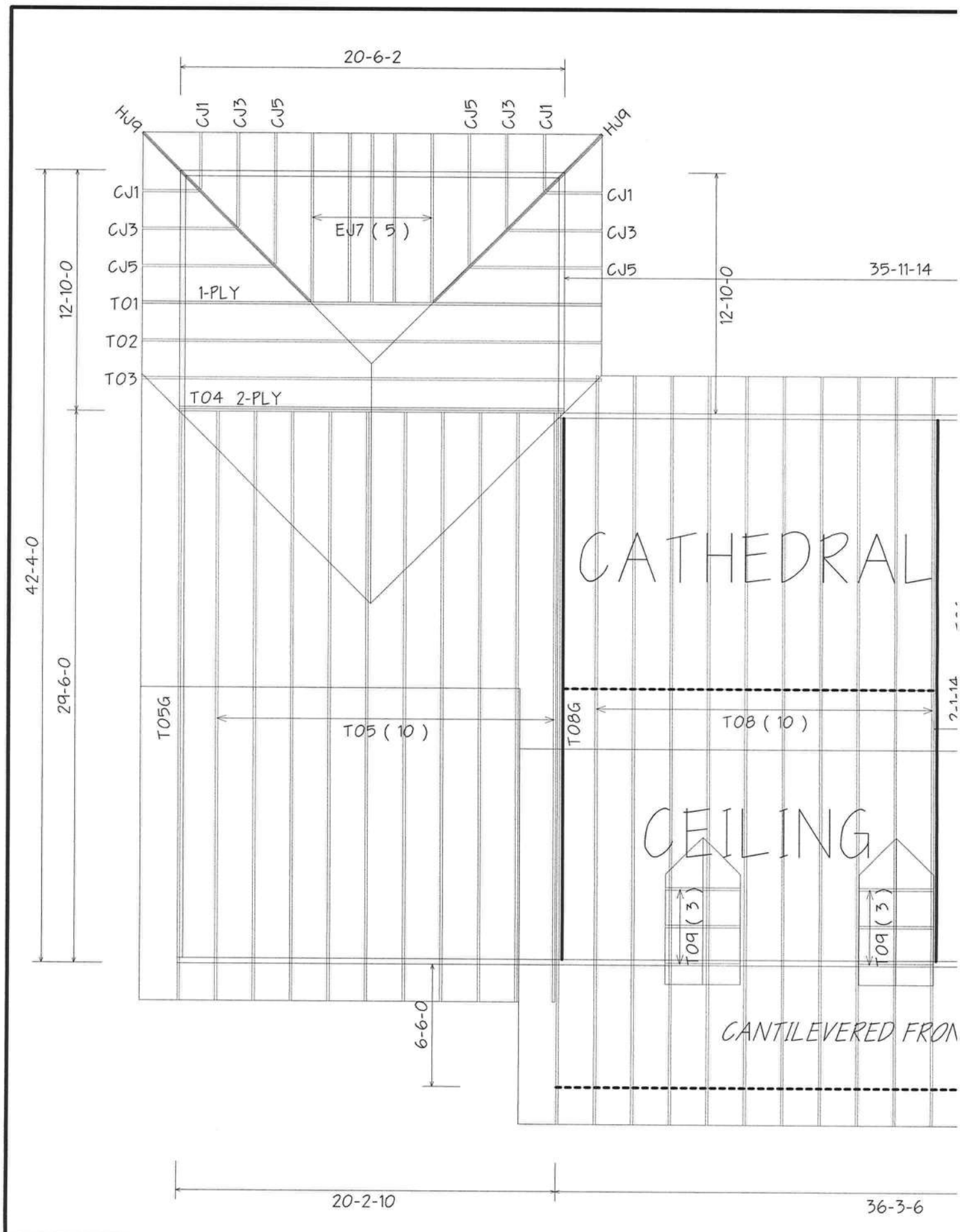
**Options**

| | | | | |
|---|---|---|---|---|
| ☐ 3 Bedroom | ☐ 3 Car Garage | ☐ 4 Bedroom | ☐ 5 Bedroom | ☐ Bath Bump |
| ☐ Bay Window Bump | ☐ Center Bonus | ☐ Covered Porch | ☐ Dining Room Bay Window | ☐ Dining Room Tray |
| ☐ Dormers | ☐ Fireplace | ☐ Garage Bonus | ☐ Hip Vault MBR | ☐ Loft |
| ☐ Plant Shelfs | ☐ Quote Only | ☐ Rear Bonus | ☐ Step Tray MBR | ☐ Structural Engineering |
| ☐ Tray MBR | ☐ Truss Engineering | ☐ Vaulted MBR | | |

**Other Information**

**Special Contact Information**

**Office Contact Info:**
**Jobsite Contact Info:**
**Customer Specific Notes:**
**Status:** Ordered


20-6-2
HU9
CJ1
CJ3
CJ5
CJ5
CJ3
CJ1
HU9
CJ1
CJ3
CJ5
EJ7 ( 5 )
1-PLY
TO1
TO2
TO3
TO4 2-PLY
12-10-0
42-4-0
29-6-0
12-10-0
35-11-14
CATHEDRAL
CEILING
TO5G
TO5 ( 10 )
TO8G
TO8 ( 10 )
TO9 ( 3 )
TO9 ( 3 )
6-6-0
CANTILEVERED FRON
20-2-10
36-3-6

# Columbia County Building Department
# Culvert Permit

**Culvert Permit No.**
000001824

DATE 06/14/2010 PARCEL ID # 27-5S-17-09424-001

APPLICANT MARK HADDOX PHONE 755-2411

ADDRESS PO BOX 1755 LAKE CITY FL 32056

OWNER RICARDO & BARBARA PEREZ PHONE

ADDRESS 124 SW KYLE WAY LAKE CITY FL 32025

CONTRACTOR MARK HADDOX PHONE 755-2411

LOCATION OF PROPERTY 41 SOUTH, R CATHERINE LN, L KYLE WA, PROPERTY ON RIGHT AS SOON AS YOU MAKE THE TURN.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

SIGNATURE

**INSTALLATION REQUIREMENTS**

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.**

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

**Amount Paid 25.00**

COLUMBIA COUNTY GATEWAY TO FLORIDA

# PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ Project Name: _____

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

| Category/Subcategory | Manufacturer | Product Description | Approval Number(s) |
|---|---|---|---|
| A. EXTERIOR DOORS | | | FL 4242.1 |
| 1. Swinging | | | |
| 2. Sliding | | | |
| 3. Sectional | | | |
| 4. Roll up | | | |
| 5. Automatic | | | |
| 6. Other | | | |
| B. WINDOWS | Alenco. | 1111 / FI214.10 | |
| 1. Single hung | | | FL. 6034.7 |
| 2. Horizontal Slider | | | |
| 3. Casement | Bilt Best Windows & Doors | | |
| 4. Double Hung | | | |
| 5. Fixed | | | |
| 6. Awning | | | |
| 7. Pass-through | | | |
| 8. Projected | | | |
| 9. Mullion | | | |
| 10. Wind Breaker | | | |
| 11 Dual Action | | | |
| 12. Other | | | |
| C. PANEL WALL | | | |
| 1. Siding Hardie | | | FL. 8889 -122 |
| 2. Soffits | | | |
| 3. EIFS | | | |
| 4. Storefronts | | | |
| 5. Curtain walls | | | |
| 6. Wall louver | | | |
| 7. Glass block | | | |
| 8. Membrane | | | |
| 9. Greenhouse | | | |
| 10. Other | | | |
| D. ROOFING PRODUCTS | | | Shingles HIP SS |
| 1. Asphalt Shingles | ELK | Shingles | 728.4, 728.5, 728.7 |
| 2. Underlayments | | | |
| 3. Roofing Fasteners | | | 30RF-7 FL. 1614.3 |
| 4. Non-structural Metal Rf | Wheeling Corrugating Co. | Events Brand | 15RF → FL. 1814.1 |
| 5. Built-Up Roofing | | | FL 5190 |
| 6. Modified Bitumen | | | |
| 7. Single Ply Roofing Sys | | | |
| 8. Roofing Tiles | | | |
| 9. Roofing Insulation | | | |
| 10. Waterproofing | | | |
| 11. Wood shingles /shakes | | | |
| 12. Roofing Slate | | | |