DATE 03/11/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027681

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER PAUL & EMILY PHINNEY PHONE 984-0905

ADDRESS 331 SW EMORYWOOD GLEN LAKE CITY FL 32024

CONTRACTOR JOEL PHINNEY PHONE 365-2100

LOCATION OF PROPERTY 47S, TL WALTER AVE, TL EMORYWOOD GLEN, 4TH LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 178150.00

HEATED FLOOR AREA 2525.00 TOTAL AREA 3563.00 HEIGHT STORIES 2

FOUNDATION CONC WALLS FRAMED ROOF PITCH 9/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 27

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

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

PARCEL ID 01-5S-16-03397-304 SUBDIVISION COVE AT ROSE CREEK

LOT 4 BLOCK PHASE UNIT TOTAL ACRES 1.66

000001717 CBC1256243

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

CULVERT 09-079 BK WR Y

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

COMMENTS: MFE @ 83.9' PER PLAT, ELEVATION CONFIRMATION LETTER REQUIRED AT SLAB, NOC ON FILE

Check # or Cash 3316

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 $ 895.00 CERTIFICATION FEE $ 17.82 SURCHARGE FEE $ 17.82

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 1005.64

INSPECTORS OFFICE Gale Tedder 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.

CK# waiver
CC# permit

Columbia County Building Permit Application

For Office Use Only Application # 0902.21 Date Received 2/18/09 By CG Permit # 1717/27681

Zoning Official BLK Date 11.03.09 Flood Zone AH Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 83.9 ft per plat River N/A Plans Examiner (WR) Date 3/4/09

Comments Elevation confirmation letter required at Slab

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 see attached memo

Septic Permit No. Fax 386-752-2282

Name Authorized Person Signing Permit Linda or Melanie Roder Phone 386-752-2281

Address 387 S.W. Kemp Ct Lake City FL 32024

Owners Name Paul Phinney & Emily Phinney Phone 386-984-0905

911 Address 331 SW Emorywood Gln Lakecity FL 32024

Contractors Name Joel Phinney Phone 365-2100

Address 301 NW Cole Terrace Lake City FL 32055

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Evan Beamsley / Mark Disosway

Mortgage Lenders Name & Address First Federal

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

Property ID Number 01-5S-16-03397-304 Estimated Cost of Construction 147K

Subdivision Name Cove at Rose Creek Lot 4 Block Unit Phase

Driving Directions State Rd 475, L on Walter Ave, L on Emorywood GLN. Lot on left (4th lot down on L)

0 Number of Existing Dwellings on Property

Construction of Single family dwelling Total Acreage 1.66 ac Lot Size 1.66

Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive Total Building Height 27'-9"

Actual Distance of Structure from Property Lines - Front 90' Side 55' Side 40' Rear 95'

Number of Stories 2 Heated Floor Area ~~1897~~ 2525 Total Floor Area 3563 Roof Pitch 9-12

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

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.

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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

X Paul Rinn
Owners Signature

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Linda Roder

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.

X
Contractor's Signature (Permitee)

Contractor's License Number CBC 1256243
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6 **day of** Feb **20**09.

Personally known ✓ **or Produced Identification** _____

Linda Roder
State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Notice of Authorization

I Joel Phinney, hereby authorize Linda Roder or Melanie Roder to be my Representative and act on my behalf in all aspects for applying for a Building Permit & Septic. S.P. to be located in Columbia County.

X _____
Contractor's Signature

1/30/09
Date

Sworn and Subscribed to me this 1 day of 30, 2008
Personally known ✓
Produced Identification _____

_____
Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

0902-21

Phinney

Inst. Number: 200912003756 Book: 1168 Page: 2214 Date: 3/9/2009 Time: 4:46:00 PM Page 1 of 2

Return To: Sierra Title, LLC
619 E. Baya Dr., Ste 102
Lake City, FL 32025

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

PERMIT NO. _____ TAX FOLIO NO. _____

#08-0476

NOTICE OF COMMENCEMENT

Inst:200912003756 Date:3/9/2009 Time:4:46 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1168 P:2214

STATE OF FLORIDA
COUNTY OF Columbia

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

1. Description of property: See Exhibit A attached hereto.

2. General description of improvement: Construction of Dwelling

3. Owner information:
   a. Name and address: PAUL R. PHINNEY, 385 SW Peace Rd. Lake City, FL 32024
   b. Interest in property: Fee Simple
   c. Name and address of fee simple title holder (if other than Owner): NONE

4. a. Contractor (name and address): Skyline Home Inc., PO Box 1471 Lake City, FL 32056
   b. Contractor's phone number _____

5. Surety
   a. Name and address: _____
   b. Phone Number _____
   c. Amount of bond: _____

6. Lender: FIRST FEDERAL BANK OF FLORIDA
   4705 WEST U.S. HIGHWAY 90
   P. O. BOX 2029
   LAKE CITY, FLORIDA 32056
   (386) 752-0600

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

8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified)

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 I, 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 INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature of Owner or Owner's Authorized Officer/Director Partner/Manager

Signature's Title/Office

The foregoing instrument was acknowledged before me this 5th day of March 2009 by Paul R. Phinney (name of person) as Owner (type of authority, e.g. officer, trustee, attorney in fact) for: _____ (name of party on behalf of whom instrument was executed.

Signature of Notary Public – State of Florida
Print, Type, or Stamp Commission Name of Notary
Public Commission Number: _____
Personally Known _____ or Produced Identification _____

Notary Public State of Florida
Matthew Rocco
My Commission DD578349
Expires 09/17/2010

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.

Signature of Natural Person Signing Above

Inst. Number: 200912003756 Book: 1168 Page: 2215 Date: 3/9/2009 Time: 4:46:00 PM Page 2 of 2

0902-21

File No. 08-0476/Phinney

Exhibit A
Legal Description

Part of Lot 4, Cove At Rose Creek, a subdivision according to plat thereof recorded in Plat Book 8, Page 107 through 109, of the Public Records of Columbia County, Florida, being more particularly described as follows: Begin at the Northwest corner of said Lot 4 and run thence S00°14'08"E, along the East right of way of SW Emorywood Glen, 178.79 feet; thence N90°00'00"E, 365.17 feet to the East line of said Lot 4; thence N00°14'08"W, along said East line, 215.59 feet; thence N00°02'17"W, along said East line, 2.77 feet to the North line of said Lot 4; thence S83°48'42"W, along said North line, 367.16 feet to the Point of Beginning.

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: 2/4/2009 **DATE ISSUED:** 2/5/2009

ENHANCED 9-1-1 ADDRESS:

331 SW EMORYWOOD GLN
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

01-5S-16-03397-304

Remarks:

PART OF LOT 4 COVE AT ROSE CREEK

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.

1373

WARRANTY DEED

Made this FEBRURAY____, 2009 A.D. By **Paul Phinney, a married man**, 385 SW Peace Drive, Lake City, Florida 32024, hereinafter called the grantor, to **Paul Phinney, and his wife, Emily S. Phinney**, whose post office address is: 385 SW Peace Drive, Lake City, Florida 32024, hereinafter called the grantee:

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

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

SEE EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

EMILY S. PHINNEY IS THE SISTER OF THE GRANTOR JOSH NICKELSON AS DESCRIBED IN WARRANTY DEED – RECORDED IN O.R. BOOK 1161 PAGE 2254

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number: **01-5S-16-03397-304**

Inst:200912002312 Date:2/13/2009 Time:1:20 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1167 P:708

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

To Have and to Hold, the same in fee simple forever.

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

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

Signed, sealed and delivered in our presence:

Laura M Cady
Witness Printed Name Laura Cady

Charles Nickelson
Witness Printed Name Charles Nickelson

Paul Phinney (Se
Paul Phinney

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 9 day of FEBRUARY, 2009, by PAUL PHINNEY, a married man, who is/are personally known to me or who has produced a Drivers License as identification.

JACOB C. KIRSCH
MY COMMISSION # DD475233
EXPIRES: Sept. 25, 2009
(407) 398-0153 Florida Notary Service.com

Notary Public
Print Name: Jacob C. Kirsch
My Commission Expires: 4-25-2009

PREPARED BY
JOSHUA A. NICKELSON
484 NW Turner AVENUE
Lake City, FL 32055

Inst. Number: 200712014856 Book: 1124 Page: 284 Date: 7/5/2007 Time: 9:33:33 AM

DESCRIPTION:

PART OF LOT 4, COVE AT ROSE CREEK, A SUBDIVISION ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 8, PAGES 107 THROUGH 109 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHWEST CORNER OF SAID LOT 4 AND RUN THENCE S 00°14'08" E, ALONG THE EAST RIGHT OF WAY OF SW EMORYWOOD GLEN, 178.79 FEET; THENCE N 90°00'00" E, 365.17 FEET TO THE EAST LINE OF SAID LOT 4; THENCE N 00°14'08" W, ALONG SAID EAST LINE, 215.59 FEET; THENCE N 00°02'17" W, ALONG SAID EAST LINE, 2.77 FEET TO THE NORTH LINE OF SAID LOT 4; THENCE S 83°45'42" W, ALONG SAID NORTH LINE, 367.16 FEET TO THE POINT OF BEGINNING. CONTAINING 1.88 ACRES, MORE OR LESS.

0902-21

AFFIDAVIT OF SUBDIVIDED REAL PROPERTY FOR USE OF IMMEDIATE FAMILY MEMBERS FOR PRIMARY RESIDENCE

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

Josh Nickelson, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Emily Phinney, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as Sister, and both individuals being first duly sworn according to law, depose and say:

1. Both the Owner and the Family Member have personal knowledge of all matters set forth in this Affidavit.

2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. 01-5S-16-03397-109.

3. The Owner has divided his parent parcel for use of immediate family members for their primary residence and the parcel divided and the remaining parent parcel are at least ½ acre in size. Immediate family is defined as grandparent, parent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 01-5S-16-03397-304.

5. No person or entity other than the Owner and Family Member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the Property.

6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for a family member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations.

0902-21

7. This Affidavit is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the information contained in this Affidavit are true and correct.

X Josh Nickelson
Owner

X Emily Nickelson
Family Member

Josh Nickelson
Typed or Printed Name

Emily Nickelson
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 9 day of March, 20 09, by Josh Nickelson (Owner) who is personally known to me or has produced _____ as identification.

Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Subscribed and sworn to (or affirmed) before me this 9 day of March, 20 09, by Emily Nickelson Phinney (Family Member) who is personally known to me or has produced _____ as identification.

Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

0902-21

DESCRIPTION:

PART OF LOT 4, COVE AT ROSE CREEK, A SUBDIVISION ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 8, PAGES 107 THROUGH 109 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARILY DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHWEST CORNER OF SAID LOT 4 AND RUN THENCE S 00°14'08" E, ALONG THE EAST RIGHT OF WAY OF SW EMORYWOOD GLEN, 178.79 FEET; THENCE N 90°00'00" E, 365.17 FEET TO THE EAST LINE OF SAID LOT 4; THENCE N 00°14'08" W, ALONG SAID EAST LINE, 215.59 FEET; THENCE N 00°02'17" W, ALONG SAID EAST LINE, 2.77 FEET TO THE NORTH LINE OF SAID LOT 4; THENCE S 83°48'42" W, ALONG SAID NORTH LINE, 367.16 FEET TO THE POINT OF BEGINNING. CONTAINING 1.66 ACRES, MORE OR LESS.

Columbia County, Florida
Planning & Zoning Department

Review of Building Permit for compliance with County's Comprehensive Plan and Land Development Regulations

To: Linda or Melanie Roder **Fax:** 386.752.2282

From : Brian L. Kepner, County Planner **Fax:** 386.758.2160

Number of Pages : 3 **Date :** 9 March 2009

RE: Building Permit Application 0902-21, Phinney

Dear Linda or Melanie:

The above referenced building permit property is located within an Agriculture-3 (A-3) zoning district. This zoning district requires a minimum of five (5) acres for one (1) dwelling unit. Under the County's Land Development Regulations (LDR's) a Special Family Lot Permit can be issued to a family member being, brother, sister, parent, grandparent, child, adopted child or grandchild. By the copy of the deed that accompanies the application, Emily is the sister to Joshua A. Nickelson, the enclosed affidavit has to be completed by the family members and the original returned to this office. I also need to know the family relationship between Joshua A. Nickelson and Nathan Peterson in order to track the deeding of property from family member to family member.

In addition, the application shows the proposed location of the building to be located within an area of localized flooding as indicated on the plat. While plans have been included with the application from the engineer concerning the excavation and filling of the lot to meet requirements, the engineer will need to provide a one (1) foot rise letter stating that the proposed excavation and house will not cause the flood waters to rise greater than one (1) foot. A statement from the Suwannee River Water Management District that they have met any of their requirements for building will also need to be provided.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.754.7119.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Enclosure

Inst. Number: 200712014856 Book: 1124 Page: 283 Date: 7/5/2007 Time: 9:33:33 AM

Sierra Title

Warranty Deed

THIS WARRANTY DEED made the 18th day of June A.D., 2007

Nathan Petersen, a married person

hereinafter called the grantor, to

Joshua A. Nickelson

whose post office address is: 197 SW Wayford Ct. Lake City, FL 32025

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)

Witnesseth: That 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, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

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

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

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

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2006.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Jonathan Rocco
Witness:

Nathan Petersen

Witness: **Matthew D. Rocco**

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 18th day of June, 2007 by Nathan Petersen, a married person, personally known to me or, if not personally known to me, who produced Driver's License for identification and who did not take an oath.

Notary Public

(Notary Seal)

Prepared by: Joshua A. Nickelson

Notary Public State of Florida
Matthew Rocco
My Commission DD578349
Expires 09/17/2010

Inst:200712014856 Date:7/5/2007 Time:9:33 AM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason ,Columbia County Page 1 of 2

DESCRIPTION:

PART OF LOT 4, COVE AT ROSE CREEK, A SUBDIVISION ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 8, PAGES 107 THROUGH 109 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

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BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

11 December 2008

Nedra Horton
Columbia Bank
Lake City, Florida

TRANSMITTED VIA FACSIMILE
866.381.9482

RE: A Part of Lot 4, Cove at Rose Creek Subdivision

Dear Nedra:

The above referenced property is located within an Agriculture-3 (A-3) zoning district. This zoning district requires a minimum of five (5) acres for one (1) dwelling unit. Under the County's Land Development Regulations (LDR's) a Special Family Lot Permit can be issued to a family member being; brother, sister, parent, grandparent, child, adopted child, stepchild or grandchild by deeding a minimum of one half acre to said family member meeting the above relationship.

In addition, the plat requires that if someone proposes to build within the areas of localized flooding as indicated on the plat, approval by the County and the Suwannee River Water Management District must be obtained. The County would require a signed and seal letter by an engineer stating that the structure will not cause the flood waters to rise after the structure is completed and that the finished floor elevation be at a minimum of 83.9 feet as also indicated on the plat. I do not know what the Suwannee River Water Management District may require. The applicant would have to provide a letter from the District stating their conditions for approval if any as part of the building permit application. County would be able to issue a building permit if all requirements are met in accordance with State Statutes and all the requirements stated above are met concerning this particular parcel and in accordance with the LDR's.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

xc: Marlin M. Feagle, County Attorney

0902-21

AFFIDAVIT OF CONVEYING REAL PROPERTY FOR USE OF IMMEDIATE FAMILY MEMBER FOR FAMILY RESIDENCE SECTION 14.9 SPECIAL FAMILY LOT PERMIT, COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME, the undersigned Notary Public, personally appeared.

1. Jenny Petersen is married to Nathan Petersen.
2. Emily Phinney is married to Paul Phinney.
3. Jenny Petersen and Emily Phinney are sisters to Joshua Nickelson.
4. The north portion of lot 4, Cove at Rose Creek, Parcel ID# 01-5S-16-03397-304 was conveyed from sister (Jenny Petersen) through her husband to her brother (Joshua Nickelson), then from brother to sister (Emily Phinney) and her husband.

We Hereby Certify that the facts represented by us in this Affidavit are true and correct, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

X Jenny Petersen

X Emily Phinney

Subscribed and sworn to (or affirmed) before me this 9 day of March, 20 09, by Jenny Petersen & Emily Phinney who is personally known to me or has produced _____ as identification.

Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Subscribed and sworn to (or affirmed) before me this 9 day of March, 20 09, by _____ who is personally known to me or has produced _____ as identification.

Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

0902-21

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

January 29, 2009

Mr. Paul Phinney
385 SW Peace Drive
Lake City, Florida 32024

Subject: Requested Environmental Resource Permit (ERP) Exemption for ERP09-0009, Rose Creek Lot 4, Columbia County

Dear Mr. Phinney:

The above mentioned proposed single family home in Columbia County, does not require a new ERP or a modification to any existing permits by the Suwannee River Water Management District (District). This decision was based on the exemption request and site plan submitted on January 26, 2009. In reviewing District maps and the location of the proposed house on the site plan you submitted, it has been determined that the proposed construction follows subsection 40B-4.1070(1)(b), Florida Administrative Code (F.A.C.), and provides reasonable assurance that the construction will:

1) Be outside of the regulatory floodway associated with the Suwannee River.
2) Be for one single family home.
3) Be at least 35 feet from any wetlands or surface waters on the property.
4) Not impede the flow of water or be placed in waters.

If this project does not comply with these terms, a permit will be required. In addition, the project shall comply with the following items.

1) The driveway shall be constructed at grade.
2) There shall be no fill or structures, placed in the compensating storage area or flood zone area except as shown on the plans signed and sealed by David Winsberg on January 25, 2009.
3) The compensating storage area shall not be converted to hold water.

RECYCLED PAPER

9225 CR 49 • LIVE OAK, FLORIDA 32060 • TELEPHONE 386/362-1001 • 800/226-1066 (FL) • FAX 386/362-1056
mysuwanneeriver.com

0902-21

This exemption, however, does not exempt you from obtaining permits from any other regulatory and proprietary agency. Any modification to the exempted site plan that may be required shall require reconsideration by the District prior to commencement of construction.

If you have any questions, please call me at 386.362.1001 or toll free at 800.226.1066.

Sincerely,

Leroy Marshall II, P.E., CFM
Water Resource Engineer

LM/rl
cc: David Winsberg
Joshua Nickelson

0902-1

PAUL PHINNEY RESIDENCE

FOR PROPERTY LOCATED AT
SECTION 1, TOWNSHIP 5 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

DESIGNED FOR
Paul Phinney
385 SW Peace Drive
Lake City, FL 32024
Phone: (386)-984-0905

DESIGNED BY
David M. Winsberg
PE License 68463
P.O. Box 2815
Lake City FL, 32056
Phone: (386) 752-1895
Cell: (386)-623-4999
www.davidwinsberg.com

PROJECT NUMBER
08C0

SRWMD 1st submittal

LOCATION MAP (1" = 1 Mile)

DATE	REVISIONS	REQUESTED BY

AREA MAP (1" = 6 Miles)

SHEET INDEX

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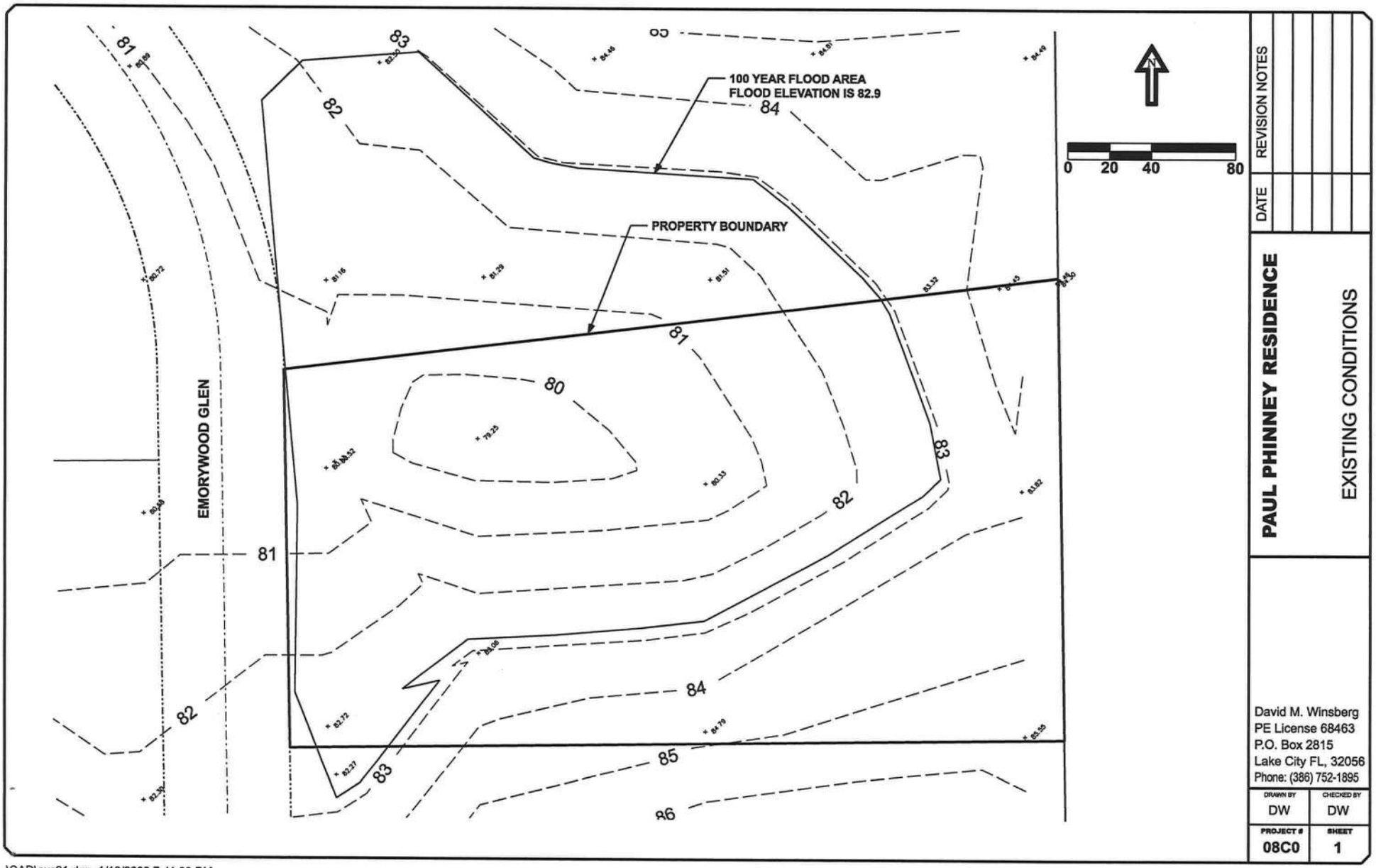
0902-21



REVISION NOTES

DATE

PAUL PHINNEY RESIDENCE

EXISTING CONDITIONS

David M. Winsberg
PE License 68463
P.O. Box 2815
Lake City FL, 32056
Phone: (386) 752-1895

DRAWN BY	CHECKED BY
DW	DW
PROJECT #	SHEET
08C0	1

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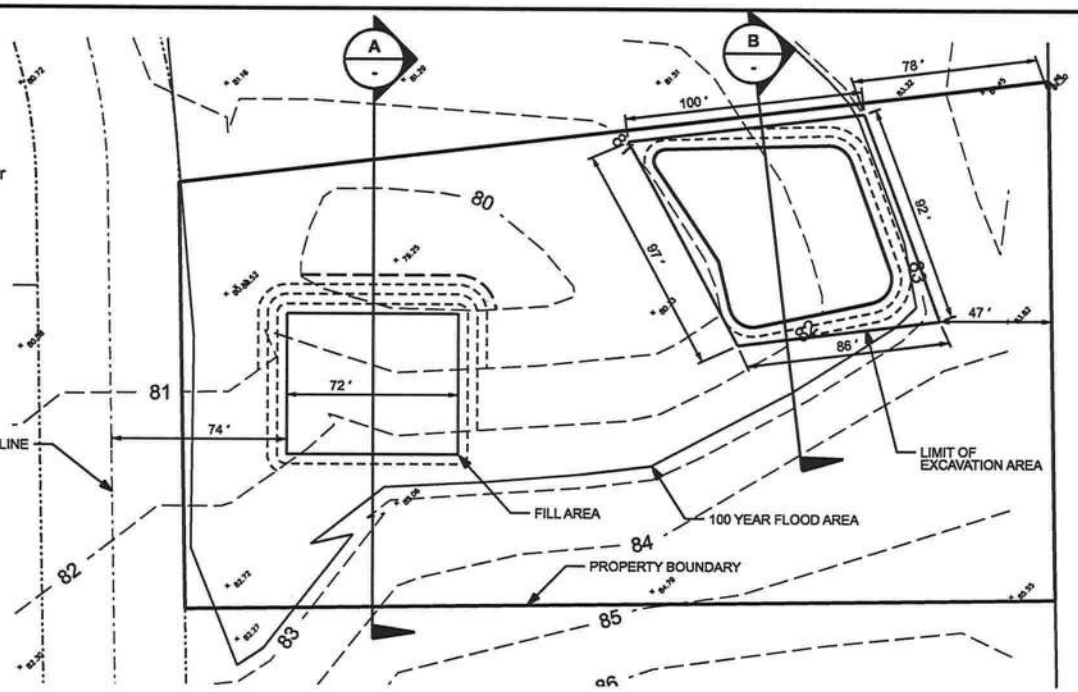
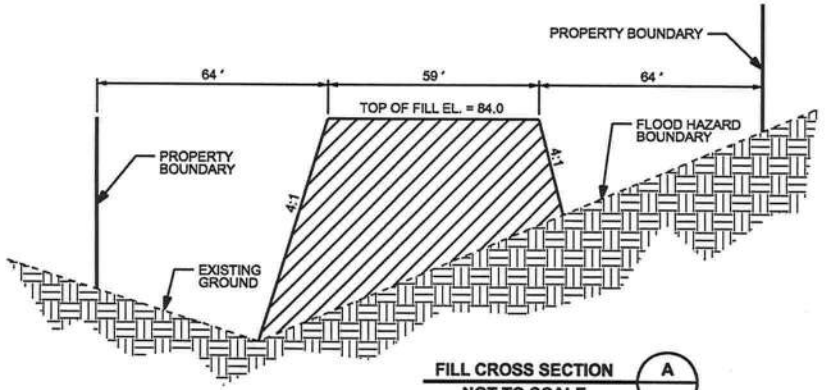
D902-21

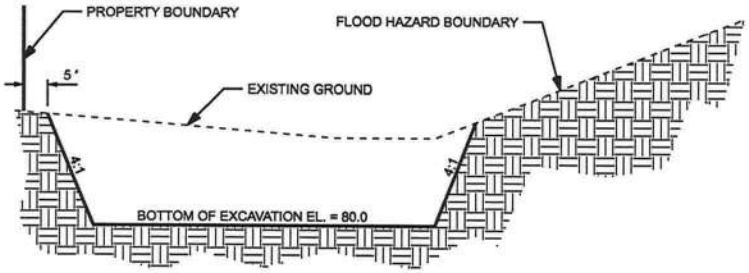
GENERAL NOTES

1. The driveway for this residence shall be constructed at grade.
2. No fill shall be placed below the 100 year flood elevation other than what is specifically shown in these plans.
3. There shall be no other structures (such as sheds) placed below the 100-year flood elevation.
4. No fill shall be placed in the compensating storage area. The compensating storage area shall not be converted into a pond or any other similar use.
5. The compensating area shall be seeded with grass seed within 7 days after completion.





FILL CROSS SECTION A
NOT TO SCALE



EXCAVATION CROSS SECTION B
NOT TO SCALE

DATE	REVISION NOTES
01-26-2009	ADDED GENERAL NOTES

PAUL PHINNEY RESIDENCE

SITE PLAN

David M. Winsberg
PE License 68463
P.O. Box 2815
Lake City FL, 32056
Phone: (386) 752-1895

DRAWN BY	CHECKED BY
DW	DW
PROJECT #	SHEET
08C0	2

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David M. Winsberg, P.E.
PO Box 2815, Lake City, FL 32056 - Phone 386-752-1895 - Email davidwinsberg@bellsouth.net

January 12, 2009

Leroy Marshall II
Suwannee River Water Management District
9225 CR 49
Live Oak, FL 32064

SUBJECT: Letter of Exemption – Lot 4 in the "Cove at Rose Creek" Subdivision

Mr. Marshall:

Paul Phinney is currently in the process of purchasing part of Lot 4 (specifically, parcel ID# 01-5S-16-03397-304) in the "Cove at Rose Creek" Subdivision from Mr. Nickelson. (The subdivision was previously permitted by Bailey, Bishop, & Lane. The SRWMD permit # is ERP05-0436.) He wishes to build a house on this lot – however there is a note on the plat that says he cannot build unless he obtains SRWMD approval. The construction of Mr. Phinney's house will not increase the flood hazard for the surrounding lots, and Mr. Phinney will be building his house at least one foot above the established flood elevation. Because of this, he is requesting that SRWMD issue him a letter of exemption for his construction activity.

Attached are all supporting documents for this letter of exemption request. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

David M. Winsberg, PE

PAUL PHINNEY RESIDENCE

STORMWATER CALCULATIONS

David M. Winsberg
PE License 68643
PO Box 2815
Lake City, FL 32056
Phone (386) 752-1895
Cell (386) 623-4999
davidwinsberg@bellsouth.net

David M. Winsberg
March 9, 2009

COMPENSATING STORAGE CALCULATIONS FOR EXCAVATION AND FILL AREAS FOR THE ENTIRE SITE

The flood elevation for this area was determined during permitting of ERP05-0436 to be 82.9. Below are cut and fill calculations for this area.

Volume of Fill Dirt Placed

Elevation	Area	Volume
ft	ft^2	ft^3
79.25	0	0
80	874	328
81	2,952	2,241
82	5,219	6,326
83	5,346	**11,609**
83 +	NA	NA

Volume of Excavation

Elevation	Area	Volume
ft	ft^2	ft^3
80	5,276	0
81	6,492	5,884
82	3,325	10,793
82.9	0	**12,289**

The total volume of fill dirt flood placed below the 100 year flood elevation is less than the total volume of excavation below the 100 year flood elevation.

Columbia County Property Appraiser

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

PARCEL: 01-5S-16-03397-304 - VACANT (000000)

Name:	NICKELSON JOSHUA A	LandVal	$27,250.00
Site:		BldgVal	$0.00
Mail:	484 NW TURNER AVE STE 101 LAKE CITY, FL 32055	ApprVal	$27,250.00
		JustVal	$27,250.00
Sales	11/7/2008 $55,000.00 V / Q	Assd	$30,278.00
Info	6/18/2007 $100.00 V / U	Exmpt	$0.00
		Taxable	$30,278.00

0 0.06 0.12 0.18 mi

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

January 29, 2009

Mr. Paul Phinney
385 SW Peace Drive
Lake City, Florida 32024

Subject: Requested Environmental Resource Permit (ERP) Exemption for ERP09-0009, Rose Creek Lot 4, Columbia County

Dear Mr. Phinney:

The above mentioned proposed single family home in Columbia County, does not require a new ERP or a modification to any existing permits by the Suwannee River Water Management District (District). This decision was based on the exemption request and site plan submitted on January 26, 2009. In reviewing District maps and the location of the proposed house on the site plan you submitted, it has been determined that the proposed construction follows subsection 40B-4.1070(1)(b), Florida Administrative Code (F.A.C.), and provides reasonable assurance that the construction will:

1) Be outside of the regulatory floodway associated with the Suwannee River.
2) Be for one single family home.
3) Be at least 35 feet from any wetlands or surface waters on the property.
4) Not impede the flow of water or be placed in waters.

If this project does not comply with these terms, a permit will be required. In addition, the project shall comply with the following items.

1) The driveway shall be constructed at grade.
2) There shall be no fill or structures, placed in the compensating storage area or flood zone area except as shown on the plans signed and sealed by David Winsberg on January 25, 2009.
3) The compensating storage area shall not be converted to hold water.

This exemption, however, does not exempt you from obtaining permits from any other regulatory and proprietary agency. Any modification to the exempted site plan that may be required shall require reconsideration by the District prior to commencement of construction.

If you have any questions, please call me at 386.362.1001 or toll free at 800.226.1066.

Sincerely,

Leroy Marshall II, P.E., CFM
Water Resource Engineer

LM/rl
cc: David Winsberg
Joshua Nickelson

David M. Winsberg, P.E.
PO Box 2815, Lake City, FL 32056 - Phone 386-752-1895 - Email davidwinsberg@bellsouth.net

March 10, 2009

Brian Kepner
Building and Zoning Department, Columbia County
PO Box 1529
Lake City, FL 32056

SUBJECT: Application # 0902-21 Phinney – Lot 4 in the "Cove at Rose Creek" Subdivision, Tax ID # 01-5S-16-03397-304

Mr. Kepner:

Paul Phinney is currently in the process of purchasing the north part of Lot 4 in the "Cove at Rose Creek" Subdivision from Mr. Nickelson. He wishes to build a house on this lot – however there is a note on the plat that says, due to flooding concerns, he cannot build on his lot unless he obtains approval from the County and SRWMD.

Do to the concerns about flooding, a Letter of Exemption was requested (and received) from SRWMD. We showed that the construction of Mr. Phinney's house would not increase the flood elevation or flood hazards for the surrounding area. This was done via compensating storage calculations (which means that the volume of excavation is greater than the volume of fill dirt placed to elevate the structure). Mr. Phinney will be using fill dirt to build his house at least one foot above the established flood elevation.

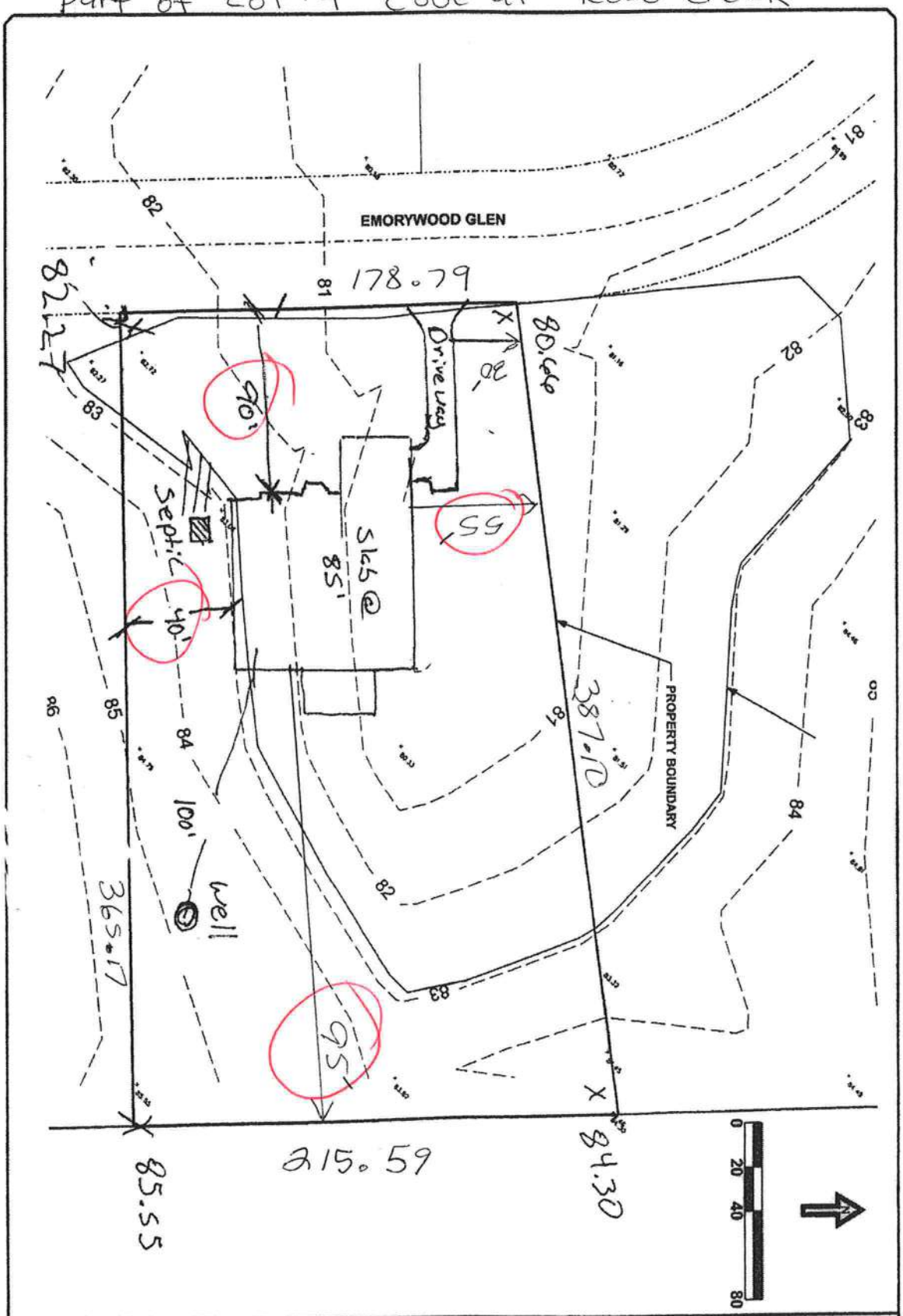
Included with this request is the Letter of Exemption issued by SRWMD for the proposed construction on this lot, as well as a copy of applicable documents that were submitted to SRWMD. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

David M. Winsberg

David M. Winsberg, PE

Paul Phinney 01-55-16-03397-304
Part of Lot 4 Cove at Rose Creek



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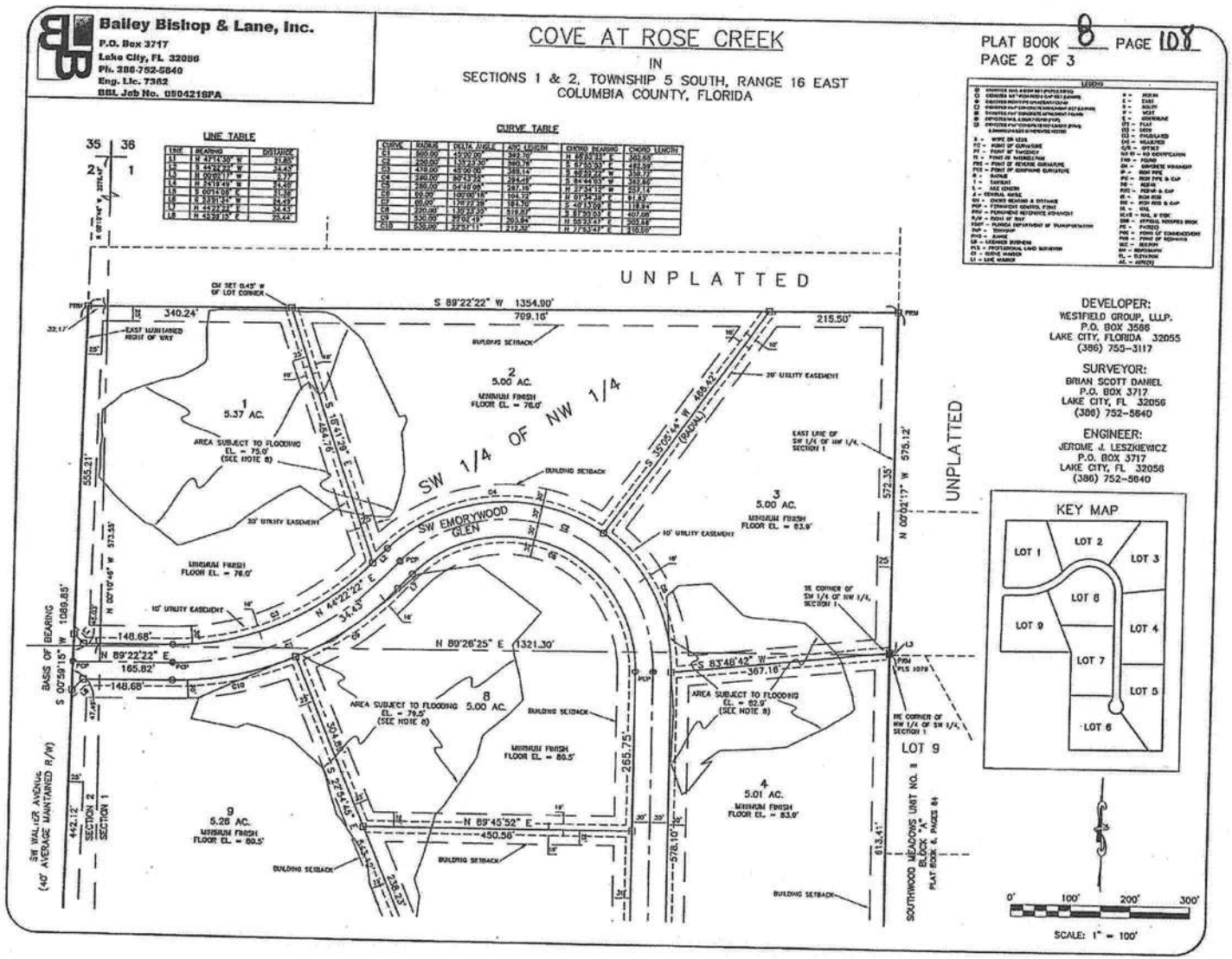
David M. Winsberg PE License 68463 P.O. Box 2815 Lake City FL, 32056 Phone: (386) 752-1895	PAUL PHINNEY RESIDENCE	DATE	REVISION NOTES
PROJECT # 08C0			
DRAWN BY DW			
CHECKED BY DW			
SHEET 1	EXISTING CONDITIONS		



OFFICIAL RECORDS BOOK 1091 PAGE 1517

Bryant's Pump Service and Well Drilling
2131 N. Magnolia Ave.
Ocala, FL 34475
(352) 629-3769

17 February 2009

North Florida Permit Services, Inc.
ATTN: Linda Roder

Ref: Permit for Paul and Emily Phinney
PID: #01-5S-16-03397-304
Part of Lot 4 Cove at Rose Creek

Bryant's Pump Service and Well Drilling, agrees to provide a water well at the above mentioned location. Priced at $2850.00 up to the depth of 100', an additional charge of $13.00 per foot after the original 100' (if applicable). Included in this package price is a 1hp pump and steel casing.

For any further information or questions, please feel free to call.

Thanks for your business!

Mary Hall
Bryant's Pump Service

09-0079

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

PERMIT # 910581
DATE PAID 2/9/09
FEE PAID $ 130.00
RECEIPT # 1092257
CR # 08-4560

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

APPLICANT: PAUL PHINNEY AGENT: NORTH FLORIDA PERMIT SERVICE

PROPERTY STREET ADDRESS: SE EMORYWOOD GLEN

LOT: PART OF 4 BLOCK: 2 SUBDIVISION: THE COVE @ ROSE CREEK

PROPERTY ID #: 01-5S-16-03397-304 [SECTION/TOWNSHIP/RANGE/PARCEL NO.]
[OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF CHAPTER 10D-6, FAC REPAIR PERMITS AND HOLDING TANK PERMITS EXPIRE 90 DAYS FROM THE DATE OF ISSUE. ALL OTHER PERMITS EXPIRE 18 MONTHS FROM THE DATE OF ISSUE. HRS APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID.

SYSTEM DESIGN AND SPECIFICATIONS

TANK [1,200] [GALLONS / GPD] SEPTIC TANK CAPACITY MULTI-CHAMBERED/IN SERIES: [ ]
TANK [ ] [GALLONS / GPD] _____ CAPACITY MULTI-CHAMBERED/IN SERIES: [ ]
[0] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
[ ] GALLONS PER DOSE DOSING TANK CAPACITY DOSE RATE [N] PER 24 HRS NO. OF PUMPS: [N]

DRAINFIELD [555.6] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
[ ] SQUARE FEET _____ SYSTEM
TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ] _____
CONFIGURATION: [X] TRENCH [ ] BED [ ] _____

LOCATION OF BENCHMARK: NAIL IN 10" PINE TREE EAST OF SYSTEM SITE
ELEVATION OF PROPOSED SYSTEM SITE IS [12] INCHES BELOW BENCHMARK/REFERENCE POINT
BOTTOM OF DRAINFIELD TO BE ≤ [26] INCHES BELOW BENCHMARK/REFERENCE POINT

FILL REQUIRED: [4] INCHES EXCAVATION REQUIRED: [0.0] INCHES

OTHER: 911 address required

SPECIFICATIONS BY: Paul Lloyd TITLE: Soil Scientist

APPROVED BY: [signature] TITLE: Env Manager COLUMBIA CPHU

DATE ISSUED: 2-10-09 EXPIRATION DATE: 8-10-10

09-0079

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 # 911581
DATE PAID 2/9/09
FEE PAID $ 310.00
RECEIPT # 1097757
CR # 08-4560

LC

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

APPLICANT: PAUL PHINNEY TELEPHONE: 386-752-2281

AGENT: NORTH FLORIDA PERMIT SERVICE

MAILING ADDRESS: 387 SW KEMP COURT CITY: LAKE CITY STATE: FL ZIP: 32024

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: PART OF 4 BLOCK: N/A SUBDIVISION: THE COVE @ ROSE CREEK DATESUBD: 06

PROPERTY ID #: 01-5S-16-03397-304 [Section/Township/Range/Parcel] ZONING: N/A

PROPERTY SIZE: 1.66 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [X] PRIVATE [ ] PUBLIC

PROPERTY STREET ADDRESS: SE EMORYWOOD GLEN

DIRECTIONS TO PROPERTY: STATE ROAD 47 SOUTH, TL ON WALTER AVENUE, TL ON EMORYWOOD GLEN, LOT ON LEFT

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	5	2550	4	500 GPD
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: Linda Roder DATE: 2-6-09

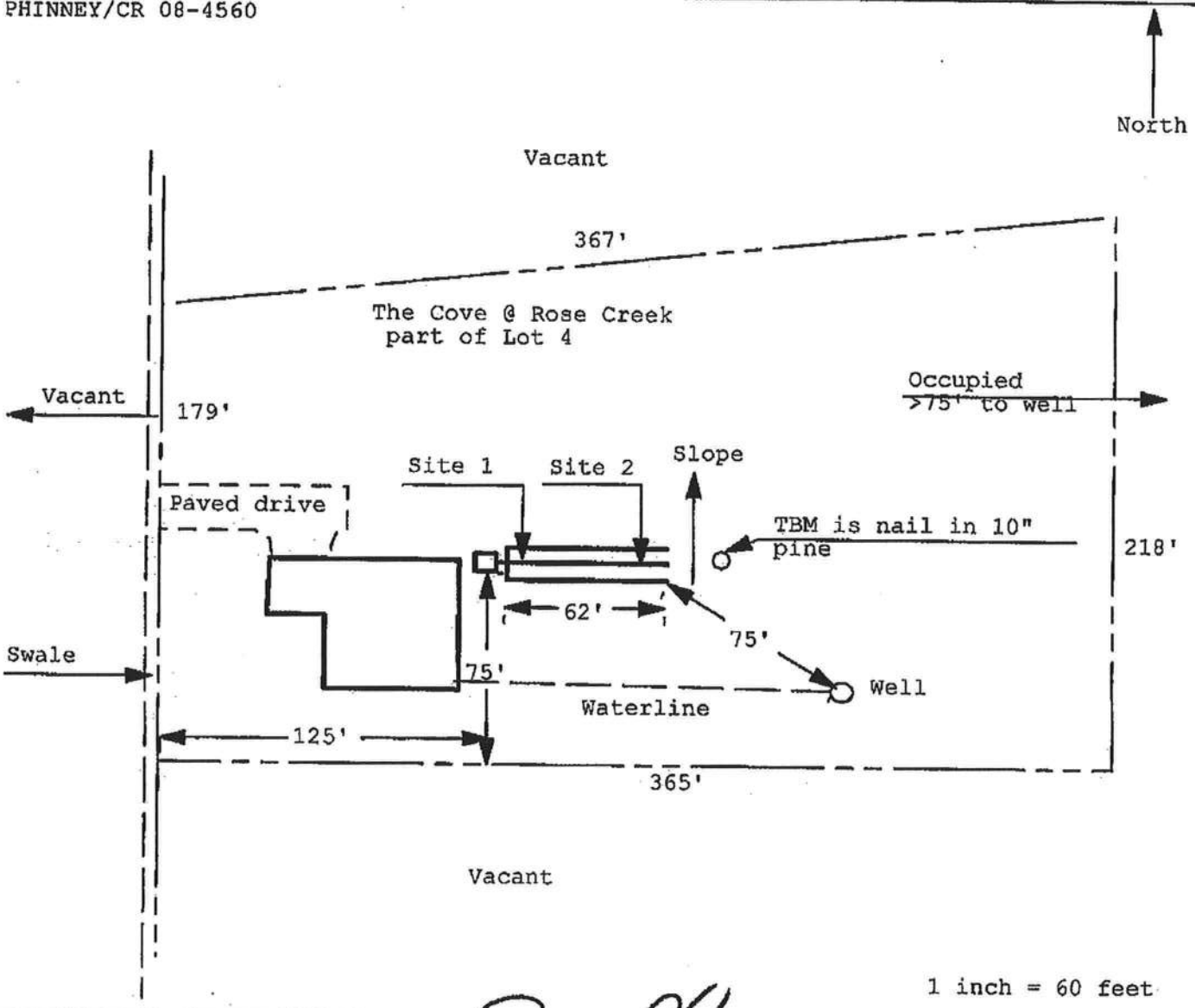
HRS-H Form 4015 March 1992 (Obsoletes Previous Editions Which May Not Be Used) Page 1 of 3

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

Permit Application Number: 09-079

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PHINNEY/CR 08-4560



1 inch = 60 feet

Site Plan Submitted By Paul Lloyd Date 02/04/08

Plan Approved ✓ Not Approved ____ Date 2/11/09

By [signature] Columbia CPHU

Notes: ____

09-0079

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

PERMIT # 910581
DATE PAID 2/9/09
FEE PAID $ 130.00
RECEIPT # 1097257
CR # 08-4560

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

APPLICANT: PAUL PHINNEY AGENT: NORTH FLORIDA PERMIT SERVICE

PROPERTY STREET ADDRESS: SE EMORYWOOD GLEN

LOT: PART OF 4 BLOCK: P/O SUBDIVISION: THE COVE @ ROSE CREEK

PROPERTY ID #: 01-5S-16-03397-304 [SECTION/TOWNSHIP/RANGE/PARCEL NO.] [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF CHAPTER 10D-6, FAC REPAIR PERMITS AND HOLDING TANK PERMITS EXPIRE 90 DAYS FROM THE DATE OF ISSUE. ALL OTHER PERMITS EXPIRE 18 MONTHS FROM THE DATE OF ISSUE. HRS APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID.

SYSTEM DESIGN AND SPECIFICATIONS

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TANK [ ] [GALLONS / GPD] _____ CAPACITY MULTI-CHAMBERED/IN SERIES: [ ]
[0] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
[ ] GALLONS PER DOSE DOSING TANK CAPACITY DOSE RATE [N] PER 24 HRS NO. OF PUMPS: [N]

DRAINFIELD [555.6] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
[ ] SQUARE FEET _____ SYSTEM
TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ] _____
CONFIGURATION: [X] TRENCH [ ] BED [ ] _____

INFIELD
LOCATION OF BENCHMARK: NAIL IN 10" PINE TREE EAST OF SYSTEM SITE
ELEVATION OF PROPOSED SYSTEM SITE IS [12] INCHES BELOW BENCHMARK/REFERENCE POINT
BOTTOM OF DRAINFIELD TO BE ≤ [26] INCHES BELOW BENCHMARK/REFERENCE POINT
FILL REQUIRED: [4] INCHES EXCAVATION REQUIRED: [0.0] INCHES

OTHER
911 address required

SPECIFICATIONS BY: Paul Lloyd TITLE: Soil Scientist

APPROVED BY: [signature] TITLE: Env Manager COLUMBIA CHD

DATE ISSUED: 2-10-09 EXPIRATION DATE: 8-10-10

HRS-H Form 4016 March 1992 (Obsoletes Previous Editions Which May Not Be Used)

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

March 6, 2009

M E M O

TO: John Kerce, Chief Building Official
Brian Kepner, County Planner

FR: Dale Williams, County Manager

RE: Impact Fees – FOR IMMEDIATE ATTENTION

Effective immediately you are to suspend the collection of impact fees. This suspension was approved by the Board of County Commissioners in their regular meeting of March 5, 2009. The suspension includes those fees levied by both ordinances, general government and schools. The approved suspension is in anticipation of a moratorium to be approved March 19, 2009.

You are also requested to provide a list of all impact fees collected since January 1, 2009. This list should include the following information:

1. **the name of the person/business who initially paid the impact fee and the date paid**
2. **the name of the owner on whose project the impact fee was paid**
3. **a "breakdown" on the impact collected by category (i.e. corrections, transportation, EMS, fire, school)**

For those fees recently collected but not yet deposited, I suggest you hold the checks (I assume no cash was collected) until after the March 19, 2009 Public Hearing to impose a moratorium. You should notify the check issuer of the reason you are holding the check.

DW/pds

XC: Impact Fees File
Board of County Commissioners
Outgoing Correspondence

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**810071PhinneyPaul&Emmy**	Builder:	Phinney
Address:		Permitting Office:	Columbia
City, State:	**, FL**	Permit Number:	27681
Owner:	**Paul & Emmy Phinney**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	2525 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 354.5 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 354.5 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft	
b.	Raised Wood, Adjacent	R=19.0, 296.0ft²	
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1310.5 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 212.0 ft²	
c.	Frame, Wood, Exterior	R=13.0, 214.0 ft²	
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 1776.0 ft²	
b.	Under Attic	R=30.0, 1278.0 ft²	
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 220.0 ft	
b.	N/A		

12.	Cooling systems		
a.	Central Unit	Cap: 55.0 kBtu/hr	
		SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 55.0 kBtu/hr	
		HSPF: 7.80	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 40.0 gallons	
		EF: 0.93	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.14

Total as-built points: 33560

Total base points: 36636

PASS

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

PREPARED BY: _____

DATE: 2/11/09 EVAN BEAMSLEY

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

OWNER/AGENT: _____

DATE: 2-17-09

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2525.0	20.04	9108.2	Double, Clear	S	1.5	10.0	60.0	35.87	0.96	2066.2	
				Double, Clear	S	13.5	6.0	3.0	35.87	0.44	47.8	
				Double, Clear	S	13.5	11.0	42.0	35.87	0.49	739.6	
				Double, Clear	S	17.8	11.0	42.0	35.87	0.47	700.9	
				Double, Clear	W	99.0	11.0	10.0	38.52	0.37	144.3	
				Double, Clear	W	99.0	5.0	3.0	38.52	0.37	43.3	
				Double, Clear	E	99.0	11.0	10.0	42.06	0.36	150.1	
				Double, Clear	W	1.5	7.0	20.0	38.52	0.94	723.4	
				Double, Clear	W	1.5	3.0	6.0	38.52	0.73	168.7	
				Double, Clear	N	1.5	6.0	16.0	19.20	0.94	288.4	
				Double, Clear	N	5.7	8.0	14.0	19.20	0.77	206.0	
				Double, Clear	N	5.7	2.0	3.0	19.20	0.59	34.2	
				Double, Clear	NW	0.5	6.0	12.5	25.97	1.00	323.8	
				Double, Clear	N	0.5	6.0	12.5	19.20	1.00	238.8	
				Double, Clear	NE	0.5	6.0	12.5	29.56	1.00	368.4	
				Double, Clear	E	1.5	7.0	30.0	42.06	0.94	1184.1	
				Double, Clear	N	1.5	10.0	25.0	19.20	0.98	471.3	
				Double, Clear	N	1.5	7.0	8.0	19.20	0.96	146.7	
				Double, Clear	E	1.5	6.0	25.0	42.06	0.91	959.8	
				As-Built Total:				**354.5**			**9005.8**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	212.0	0.70	148.4	Frame, Wood, Exterior	13.0	1310.5	1.50	1965.8
Exterior	1524.5	1.70	2591.7	Frame, Wood, Adjacent	13.0	212.0	0.60	127.2
				Frame, Wood, Exterior	13.0	214.0	1.50	321.0
Base Total:	**1736.5**		**2740.1**	**As-Built Total:**		**1736.5**		**2413.9**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	60.0	1.60	96.0	Exterior Insulated	20.0	4.10	82.0
Exterior	40.0	4.10	164.0	Exterior Insulated	20.0	4.10	82.0
				Adjacent Insulated	40.0	1.60	64.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**100.0**		**260.0**	**As-Built Total:**	**100.0**		**260.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2525.0	1.73	4368.3	Under Attic	30.0	1776.0	1.73 X 1.00	3072.5
				Under Attic	30.0	1278.0	1.73 X 1.00	2210.9
Base Total:	**2525.0**		**4368.3**	**As-Built Total:**		**3054.0**		**5283.4**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=	Points
Slab	204.0(p)	-37.0	-7548.0	Slab-On-Grade Edge Insulation	0.0	204.0(p	-41.20		-8404.8
Raised	296.0	-3.99	-1181.0	Raised Wood, Adjacent	19.0	296.0	0.40		118.4
Base Total:			**-8729.0**	**As-Built Total:**		**500.0**			**-8286.4**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points
	2525.0	10.21	25780.3			2525.0	10.21		25780.3
Summer Base Points: 33527.7				**Summer As-Built Points:**					**34457.0**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 55000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
				34457	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	10292.0
33527.7	**0.4266**		**14302.9**	**34457.0**	**1.00**	**1.138**	**0.263**	**1.000**	**10292.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2525.0	12.74	5790.3	Double, Clear	S	1.5	10.0	60.0	13.30	1.01	807.9	
				Double, Clear	S	13.5	6.0	3.0	13.30	3.56	141.9	
				Double, Clear	S	13.5	11.0	42.0	13.30	3.07	1714.2	
				Double, Clear	S	17.8	11.0	42.0	13.30	3.37	1880.3	
				Double, Clear	W	99.0	11.0	10.0	20.73	1.24	256.6	
				Double, Clear	W	99.0	5.0	3.0	20.73	1.24	77.0	
				Double, Clear	E	99.0	11.0	10.0	18.79	1.51	283.2	
				Double, Clear	W	1.5	7.0	20.0	20.73	1.02	421.4	
				Double, Clear	W	1.5	3.0	6.0	20.73	1.08	134.8	
				Double, Clear	N	1.5	6.0	16.0	24.58	1.00	394.2	
				Double, Clear	N	5.7	8.0	14.0	24.58	1.01	348.9	
				Double, Clear	N	5.7	2.0	3.0	24.58	1.03	75.7	
				Double, Clear	NW	0.5	6.0	12.5	24.30	1.00	303.5	
				Double, Clear	N	0.5	6.0	12.5	24.58	1.00	307.2	
				Double, Clear	NE	0.5	6.0	12.5	23.57	1.00	294.3	
				Double, Clear	E	1.5	7.0	30.0	18.79	1.03	578.8	
				Double, Clear	N	1.5	10.0	25.0	24.58	1.00	614.6	
				Double, Clear	N	1.5	7.0	8.0	24.58	1.00	196.9	
				Double, Clear	E	1.5	6.0	25.0	18.79	1.04	486.5	
				As-Built Total:				**354.5**			**9317.6**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	212.0	3.60	763.2	Frame, Wood, Exterior			13.0	1310.5	3.40		4455.7	
Exterior	1524.5	3.70	5640.6	Frame, Wood, Adjacent			13.0	212.0	3.30		699.6	
				Frame, Wood, Exterior			13.0	214.0	3.40		727.6	
Base Total:	**1736.5**		**6403.8**	**As-Built Total:**				**1736.5**			**5882.9**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	60.0	8.00	480.0	Exterior Insulated				20.0	8.40		168.0	
Exterior	40.0	8.40	336.0	Exterior Insulated				20.0	8.40		168.0	
				Adjacent Insulated				40.0	8.00		320.0	
				Adjacent Insulated				20.0	8.00		160.0	
Base Total:	**100.0**		**816.0**	**As-Built Total:**				**100.0**			**816.0**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2525.0	2.05	5176.3	Under Attic			30.0	1776.0	2.05 X 1.00		3640.8	
				Under Attic			30.0	1278.0	2.05 X 1.00		2619.9	
Base Total:	**2525.0**		**5176.3**	**As-Built Total:**				**3054.0**			**6260.7**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	204.0(p)	8.9	1815.6	Slab-On-Grade Edge Insulation	0.0	204.0(p	18.80		3835.2
Raised	296.0	0.96	284.2	Raised Wood, Adjacent	19.0	296.0	2.20		651.2
Base Total:			**2099.8**	**As-Built Total:**		**500.0**			**4486.4**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	2525.0	-0.59	-1489.7			2525.0	-0.59		-1489.7
Winter Base Points:			**18796.4**	**Winter As-Built Points:**					**25273.9**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: Electric Heat Pump 55000 btuh ,EFF(7.8) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
				25273.9	1.000	(1.069 x 1.169 x 0.93)	0.437	1.000	12841.2
18796.4	**0.6274**	**11792.9**		**25273.9**	**1.00**	**1.162**	**0.437**	**1.000**	**12841.2**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4		2635.00	10540.0	40.0	0.93	4	1.00	2606.67	1.00	10426.7	
				As-Built Total:						**10426.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
14303	**11793**	**10540**	**36636**	**10292**	**12841**	**10427**	**33560**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.7

The higher the score, the more efficient the home.

Paul & Emmy Phinney, , , FL,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 55.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	4			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	2525 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description	Area	13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default)	354.5 ft²		a. Electric Heat Pump	Cap: 55.0 kBtu/hr
	b. SHGC:					HSPF: 7.80
	(or Clear or Tint DEFAULT)	7b. (Clear)	354.5 ft²		b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft			c. N/A	
	b. Raised Wood, Adjacent	R=19.0, 296.0ft²				
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1310.5 ft²				EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 212.0 ft²			b. N/A	
	c. Frame, Wood, Exterior	R=13.0, 214.0 ft²				
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1776.0 ft²		15.	HVAC credits	
	b. Under Attic	R=30.0, 1278.0 ft²			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 220.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

21691

Daniel & Gore, LLC

Professional Surveying and Mapping

P.O. Box 1501
Lake City, Florida 32056

April 21, 2009

Paul Phinney
385 SW Peace Dr.
Lake City, FL 42024

Subject: Lot 4A Elevation Letter

Dear Mr. Phinney:

We have performed a vertical survey on Parcel 4A of Lot 4, Cove at Rose Creek (being parcel #03397-304), Columbia County, Florida from a benchmark being a 4"x4" concrete monument, LS 1079 at the NE corner of NW 1/4 of SW 1/4, Section 1, T5-S, R16-E (elevation – 84.30', NGVD 1929) and have determined the following:

- The Subdivision plat requires the minimum finish floor elevation to be 83.9'.
- We have set a TBM (Temporary Benchmark) on a 60d nail in a 8" pine, being 34.0' North of the SW corner and 43.5' East of the edge of pavement, with an elevation of 83.9', NGVD 1929.
- The elevation of the poured concrete foundation (residence) is at 84.9', being 1 foot above the minimum finish floor requirement.
- The elevation of the form boards (out building) is at 84.0', being 0.1 foot above the minimum finish floor requirement.

If you have any questions, please call me.

Sincerely,

Scott Daniel, PSM

Scott Daniel, PSM • Cell: (386) 208-4176 • E-mail: sdaniel@dgsurveying.com
David Gore • Cell: (386) 365-0298 • E-mail: dgore@dgsurveying.com
Fax: (904) 339-9229

ATN: WEBBIE

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001717

DATE: 03/11/2009 BUILDING PERMIT NO. 27681

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP CT LAKE CITY FL 32024

OWNER PAUL & EMILY PHINNEY PHONE 984-0905

ADDRESS 331 SW EMORYWOOD GLEN LAKE CITY FL 32024

CONTRACTOR JOEL PHINNEY PHONE 365-2100

LOCATION OF PROPERTY 47S, TL WALTER AVE, TL EMORYWOOD GLEN, 4TH LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COVE AT ROSE CREEK 4

PARCEL ID # 01-5S-16-03397-304

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:

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: DATE: 03-18-09

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

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

RECEIVED
MAR 17 2009
By

COLUMBIA COUNTY, FLORIDA
GATEWAY TO FLORIDA

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

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 mandatory and 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.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil 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 Operator and builder, unless stated otherwise. 27681

Section 1: General Information (Treating 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 • 352-494-5751
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Skyline Homes Company Phone No. 754-6667

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Paul Phinney
331 SW Emorywood Glen
Lake City, FL 32024

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 4/9/09
Brand Name of Product(s) Used Biten XTS
EPA Registration No. 53883-189
Approximate Final Mix Solution % .6%
Approximate Size of Treatment Area: Sq. ft. 2935 Linear ft. 320 Linear ft. of Masonry Voids 304
Approximate Total Gallons of Solution Applied 650 gals.
Was treatment completed on exterior? ☐ Yes ☒ No
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) S. Gregory Certification No. (if required by State law) JF104376

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

Authorized Signature [signature] Date 4/9/09

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)

27681

Cal-Tech Testing, Inc. — FOUNDATIONS • ASPHALT • SOILS • CONCRETE — ENGINEERING • GEOTECHNICAL • ENVIRONMENTAL

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

Quincy • (850) 442-3495
Fax • (850) 442-4008

JOB NO.: 09-117
DATE TESTED: 3/20/09

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: X (D-2922) Nuclear _____ (D-2937) Drive Cylinder _____ Other

PROJECT: Paul Phinney Res. + Storage Shed

CLIENT: Skyline Homes, inc.

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: SAC

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: T. Hygen

MODIFIED (ASTM D-1557): _____ STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION	TEST: X DEPTH ___ ELEV. ___ LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
	Footers Residence						
1A	25' South of ~~NW~~ NW Corner	12"	1	111.6	104.1	7.1	95%
2A	40' East of NW Corner	12"	1	113.1	105.2	7.5	96%
3A	20' North of SW Corner	12"	1	114.8	105.2	9.1	96%
4A	20' East of SW Corner	12"	1	113.4	105.5	7.5	96%
	Storage Shed footers						
	Contractor Has to Raise Elev.						
	- Not Ready for Density testing						
	at this Time.						

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1		110.0	

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 01-5S-16-03397-304 **Building permit No.** 000027681

Use Classification SFD,UTILITY **Fire:** 70.62

Permit Holder JOEL PHINNEY **Waste:** 184.25

Owner of Building PAUL & EMILY PHINNEY **Total:** 254.87

Location: 331 SW EMORYWOOD GLEN

Date: 11/25/2009

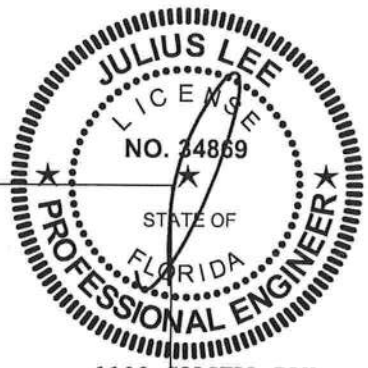
Wayne H. Rust

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Builders FirstSource

HLAKMF



1109 COASTAL BAY
BOYNTON BCH, FL.33435
ELLECTRONICALLY SEAL
IN ACCORDANCE TO
SS.668.001-668.006

Project Information:

Builder: SKYLINE HOMES INC
Model: CUSTOM
Builders FirstSource Job #: 294475
Street: BLAYLOCK ROAD
City: Lake City
County: Columbia
Building Code: FBC2004/TPI2002
Computer Program Used: MiTek 6.3

Builders FirstSource
2525 E. Duval St.
Lake City, FL 32055

Truss Design Information:

Gravity Loads
Roof: 32 psf Total
Floor: 55 psf Total

Wind
Wind Standard: ASCE 7-02
Wind Speed: 110 mph
Mean Roof Ht: 20 ft
Exposure: B

Note: Refer to individual truss design drawings for special loading conditions, design criteria, truss geometry, lumber, and plate information.

Design Professional Information:

Design Professional Of Record: Joel Phinney — **License # :** CBC1256243
Delegated Truss Engineer: Julius Lee — **License # :** 34869

This truss specification package consists of this index sheet and 64 truss design drawings. This signed and sealed index sheet indicates acceptance of my professional engineering responsibility solely for listed truss design drawings. The suitability and use of each truss component for any particular building is the responsibility of the building designer per TPI.

Truss #	Truss Label	Drawing #	Seal Date
1	CJ1	294475001	2/3/2009
2	CJ3	294475002	2/3/2009
3	CJ5	294475003	2/3/2009
4	EJ2	294475004	2/3/2009
5	EJ7	294475005	2/3/2009
6	EJ7A	294475006	2/3/2009
7	EJ7B	294475007	2/3/2009
8	EJ7C	294475008	2/3/2009
9	EJ7D	294475009	2/3/2009
10	HJ3	294475010	2/3/2009
11	HJ9	294475011	2/3/2009
12	PB1	294475012	2/3/2009
13	PB1A	294475013	2/3/2009
14	PB1B	294475014	2/3/2009
15	PB1C	294475015	2/3/2009
16	PB1D	294475016	2/3/2009
17	PB2	294475017	2/3/2009
18	PB2A	294475018	2/3/2009
19	T01G	294475019	2/3/2009
20	T02	294475020	2/3/2009
21	T02A	294475021	2/3/2009
22	T02B	294475022	2/3/2009
23	T02C	294475023	2/3/2009
24	T02G	294475024	2/3/2009
25	T03G	294475025	2/3/2009
26	T04	294475026	2/3/2009
27	T05	294475027	2/3/2009
28	T06	294475028	2/3/2009
29	T07	294475029	2/3/2009
30	T08	294475030	2/3/2009
31	T09	294475031	2/3/2009
32	T10	294475032	2/3/2009
33	T11	294475033	2/3/2009
34	T12G	294475034	2/3/2009
35	T13	294475035	2/3/2009
36	T14	294475036	2/3/2009
37	T15	294475037	2/3/2009
38	T16	294475038	2/3/2009
39	T17	294475039	2/3/2009
40	T18	294475040	2/3/2009
41	T19	294475041	2/3/2009
42	T20	294475042	2/3/2009
43	T21	294475043	2/3/2009
44	T22	294475044	2/3/2009
45	T23	294475045	2/3/2009
46	T24	294475046	2/3/2009
47	T25	294475047	2/3/2009
48	T26	294475048	2/3/2009
49	T26G	294475049	2/3/2009
50	T27	294475050	2/3/2009
51	T28	294475051	2/3/2009
52	T29	294475052	2/3/2009
53	T30	294475053	2/3/2009
54	T31	294475054	2/3/2009
55	T32	294475055	2/3/2009
56	T33	294475056	2/3/2009
57	T34	294475057	2/3/2009
58	T35	294475058	2/3/2009
59	T35G	294475059	2/3/2009
60	T36	294475060	2/3/2009
61	T37	294475061	2/3/2009
62	T38	294475062	2/3/2009
63	T39	294475063	2/3/2009
64	V8	294475064	2/3/2009

Builders FirstSource

To whom it may concern,

This letter is intended to address the issue of warning notes on 7' jack trusses. I have reviewed the jack truss and it passes without modification for any jack up to 7' with a total loading not to exceed 55# and a maximum overhang of 2'. Below is a copy of note you will see on the jack. This letter will act as an approval for the truss mentioned above.

*****Design Problems*** Review Required/ Max Deflection In Panel Exceeded: A-B**

Sincerely,

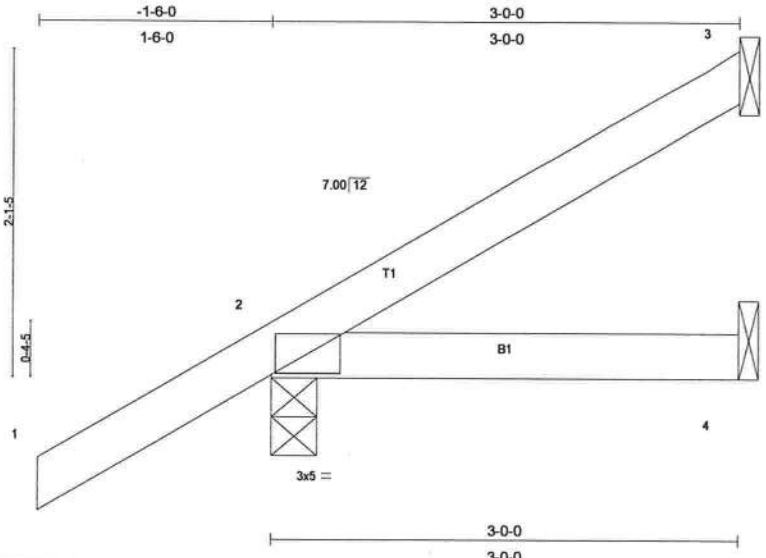
JULIUS LEE LICENSE No. 34869 AUG 04 2007 STATE OF FLORIDA PROFESSIONAL ENGINEER

Julius Lee, P.E.
FL. PE# 34869

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	CJ3	JACK	4	1	294475002

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 13:59:25 2009 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	0.16	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 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.

REACTIONS (lb/size) 3=49/Mechanical, 2=204/0-3-8, 4=14/Mechanical
Max Horz 2=135(load case 6)
Max Uplift3=-43(load case 6), 2=-181(load case 6), 4=-33(load case 4)
Max Grav 3=49(load case 1), 2=204(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-54/18
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 3, 181 lb uplift at joint 2 and 33 lb uplift at joint 4.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	EJ2	MONO TRUSS	3	1	294475004
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 13:59:26 2009 Page 1

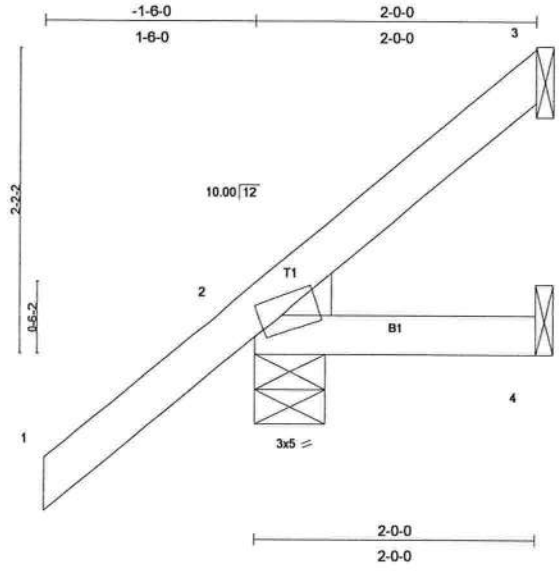


Plate Offsets (X,Y): [2:0-1-15,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 11 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=179/0-6-0, 4=10/Mechanical, 3=19/Mechanical
Max Horz 2=154(load case 6)
Max Uplift2=-132(load case 6), 3=-33(load case 7)
Max Grav 2=179(load case 1), 4=29(load case 2), 3=26(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-59/17
BOT CHORD 2-4=0/0

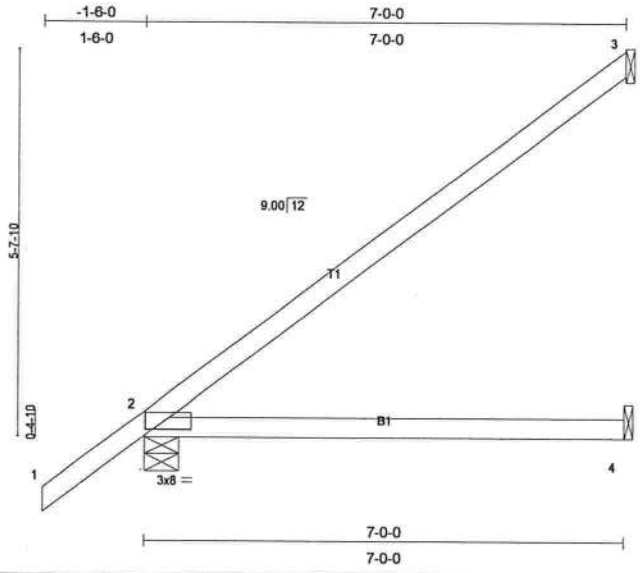
JOINT STRESS INDEX
2 = 0.15 and 2 = 0.00

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 2 and 33 lb uplift at joint 3.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	EJ7A	MONO TRUSS	4	1	294475006
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 13:59:27 2009 Page 1



Scale = 1:32.3
Camber = 1/16 in

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

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.43	Vert(LL)	0.10	2-4	>840	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.16	2-4	>495	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 3=154/Mechanical, 2=321/0-6-0, 4=48/Mechanical
Max Horz 2=223(load case 6)
Max Uplift3=-117(load case 6), 2=-80(load case 6)
Max Grav 3=154(load case 1), 2=321(load case 1), 4=94(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-155/73
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.68

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 3 and 80 lb uplift at joint 2.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	EJ7C	MONO HIP	1	1	294475008

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 13:59:29 2009 Page 1

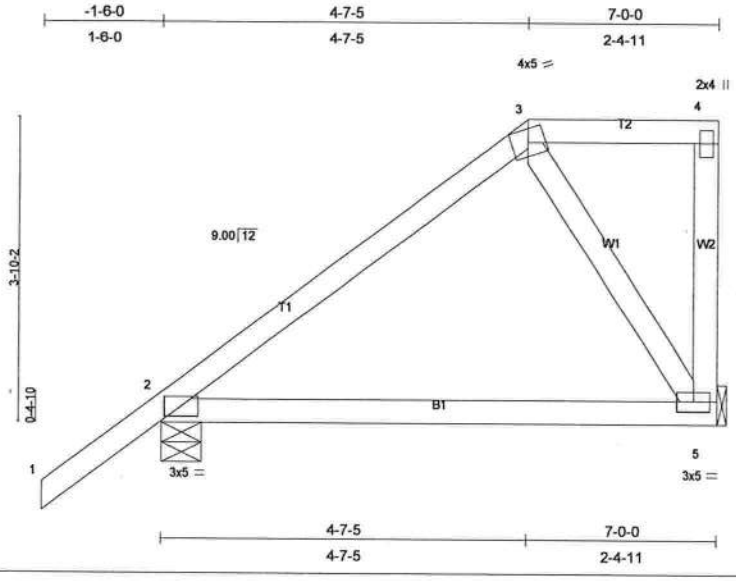


Plate Offsets (X,Y): [2:0-5-7,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.04	2-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.08	2-5	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 36 lb	

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

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

REACTIONS (lb/size) 5=199/Mechanical, 2=318/0-6-0
Max Horz 2=168(load case 6)
Max Uplift5=-63(load case 5), 2=-111(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-195/37, 3-4=-30/0, 4-5=-31/43
BOT CHORD 2-5=-100/95
WEBS 3-5=-157/199

JOINT STRESS INDEX
2 = 0.64, 3 = 0.32, 4 = 0.23 and 5 = 0.53

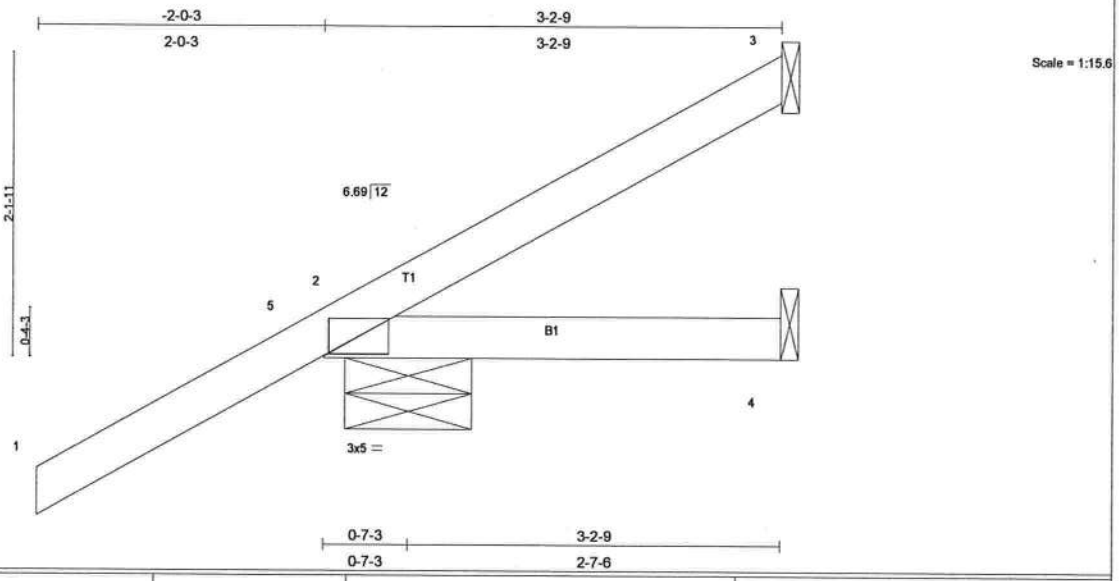
NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 5 and 111 lb uplift at joint 2.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	HJ3	JACK	1	1	294475010

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 13:59:30 2009 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.00	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	10.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 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 3-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=-9/Mechanical, 2=191/0-10-10, 4=8/Mechanical
Max Horz 2=82(load case 5)
Max Uplift3=-9(load case 1), 2=-171(load case 5)
Max Grav 3=76(load case 3), 2=191(load case 1), 4=36(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=0/46, 2-5=0/46, 2-3=-41/40
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

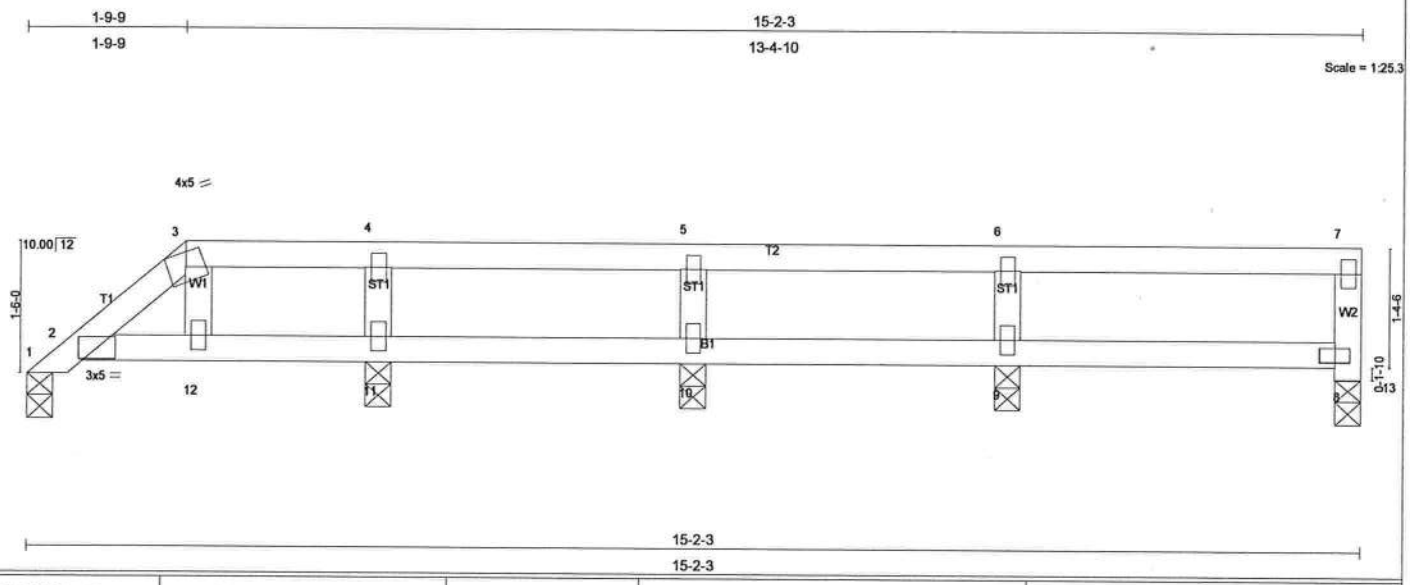
NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 3 and 171 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) 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: 1-5=-54
Trapezoidal Loads (plf)
Vert: 5=0(F=27, B=27)-to-3=-43(F=5, B=5), 2=-1(F=5, B=5)-to-4=-8(F=1, B=1)

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	PB1	GABLE	1	1	294475012

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 13:59:32 2009 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	0.18	Vert(LL)	0.01	12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 51 lb	

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

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

REACTIONS (lb/size) 1=120/0-3-8, 10=219/0-3-8, 9=245/0-3-8, 11=249/0-3-8, 13=121/0-3-8
Max Horz 1=45(load case 6)
Max Uplift1=-16(load case 6), 10=-85(load case 4), 9=-91(load case 4), 11=-72(load case 5), 13=-42(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-70/1, 2-3=-100/29, 3-4=-65/41, 4-5=-65/42, 5-6=-65/42, 6-7=-65/42, 8-13=-121/71, 7-8=-100/80
BOT CHORD 2-12=-45/66, 11-12=-42/65, 10-11=-42/65, 9-10=-42/65, 8-9=-42/65
WEBS 3-12=-7/25, 5-10=-189/150, 6-9=-208/164, 4-11=-190/151

JOINT STRESS INDEX
2 = 0.26, 3 = 0.08, 4 = 0.09, 5 = 0.09, 6 = 0.09, 7 = 0.53, 8 = 0.39, 9 = 0.09, 10 = 0.09, 11 = 0.09 and 12 = 0.02

NOTES (9)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 13 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 16 lb uplift at joint 1, 85 lb uplift at joint 10, 91 lb uplift at joint 9 , 72 lb uplift at joint 11 and 42 lb uplift at joint 13.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	PB1B	GABLE	1	1	294475014
					Job Reference (optional)

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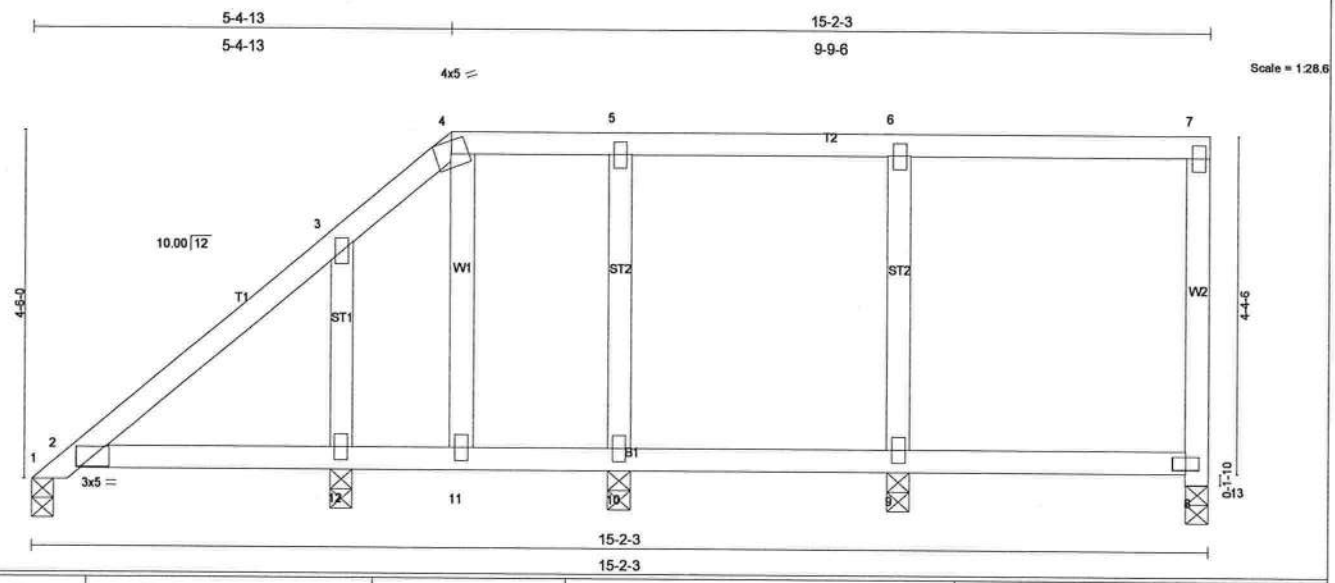

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.01	2-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.01	2-12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 73 lb	

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

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

REACTIONS (lb/size) 1=108/0-3-8, 10=207/0-3-8, 9=258/0-3-8, 12=269/0-3-8, 13=112/0-3-8
Max Horz 1=142(load case 6)
Max Uplift10=-82(load case 4), 9=-90(load case 4), 12=-153(load case 6), 13=-43(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-197/0, 2-3=-161/53, 3-4=-67/7, 4-5=-11/5, 5-6=-10/6, 6-7=-10/6, 8-13=-112/64, 7-8=-92/72
BOT CHORD 2-12=-7/11, 11-12=-7/11, 10-11=-6/10, 9-10=-6/10, 8-9=-6/10
WEBS 4-11=-24/30, 5-10=-168/131, 6-9=-221/176, 3-12=-186/217

JOINT STRESS INDEX
2 = 0.47, 3 = 0.11, 4 = 0.02, 5 = 0.07, 6 = 0.10, 7 = 0.31, 8 = 0.23, 9 = 0.10, 10 = 0.07, 11 = 0.02 and 12 = 0.12

NOTES (9)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 13 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 82 lb uplift at joint 10, 90 lb uplift at joint 9, 153 lb uplift at joint 12 and 43 lb uplift at joint 13.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	PB1D	VALLEY	1	1	294475016
					Job Reference (optional)

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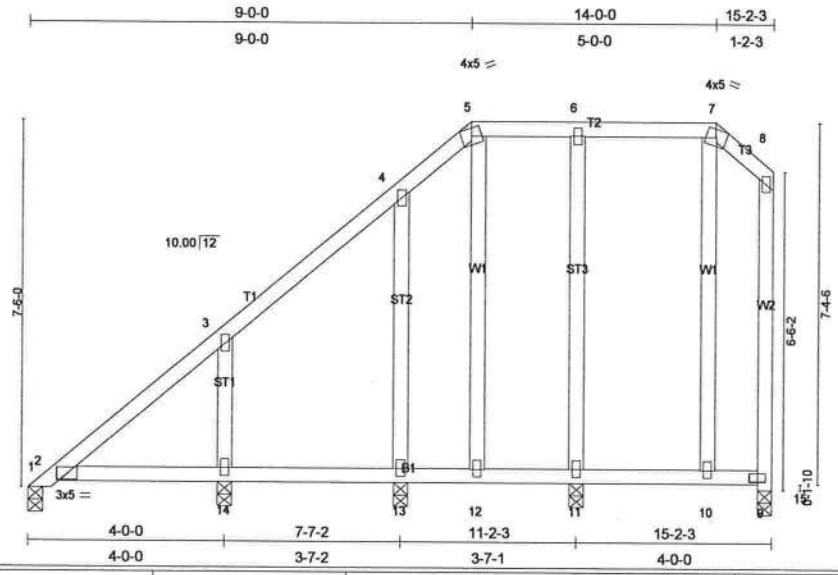

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.01	2-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-14	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.01	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 lb	

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

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

REACTIONS (lb/size) 1=103/0-3-8, 13=205/0-3-8, 11=258/0-3-8, 14=277/0-3-8, 15=111/0-3-8
Max Horz 1=220(load case 6)
Max Uplift1=-3(load case 4), 13=-108(load case 6), 11=-91(load case 5), 14=-174(load case 6), 15=-35(load case 4)
Max Grav 1=122(load case 6), 13=207(load case 10), 11=258(load case 1), 14=277(load case 1), 15=113(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-321/33, 2-3=-294/65, 3-4=-105/50, 4-5=-56/44, 5-6=-6/42, 6-7=-6/43, 7-8=-45/35, 9-15=-113/64, 8-9=-61/41
BOT CHORD 2-14=-3/6, 13-14=-3/6, 12-13=-3/6, 11-12=-2/6, 10-11=-2/6, 9-10=-3/7
WEBS 4-13=-164/190, 6-11=-184/128, 3-14=-216/265, 5-12=-29/23, 7-10=-51/48

JOINT STRESS INDEX
2 = 0.41, 3 = 0.13, 4 = 0.10, 5 = 0.04, 6 = 0.07, 7 = 0.06, 8 = 0.21, 9 = 0.27, 10 = 0.03, 11 = 0.07, 12 = 0.01, 13 = 0.11 and 14 = 0.15

NOTES (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Bearing at joint(s) 1, 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 1, 108 lb uplift at joint 13, 91 lb uplift at joint 11, 174 lb uplift at joint 14 and 35 lb uplift at joint 15.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	PB2A	HIP PIGGYBACK	1	1	294475018
					Job Reference (optional)

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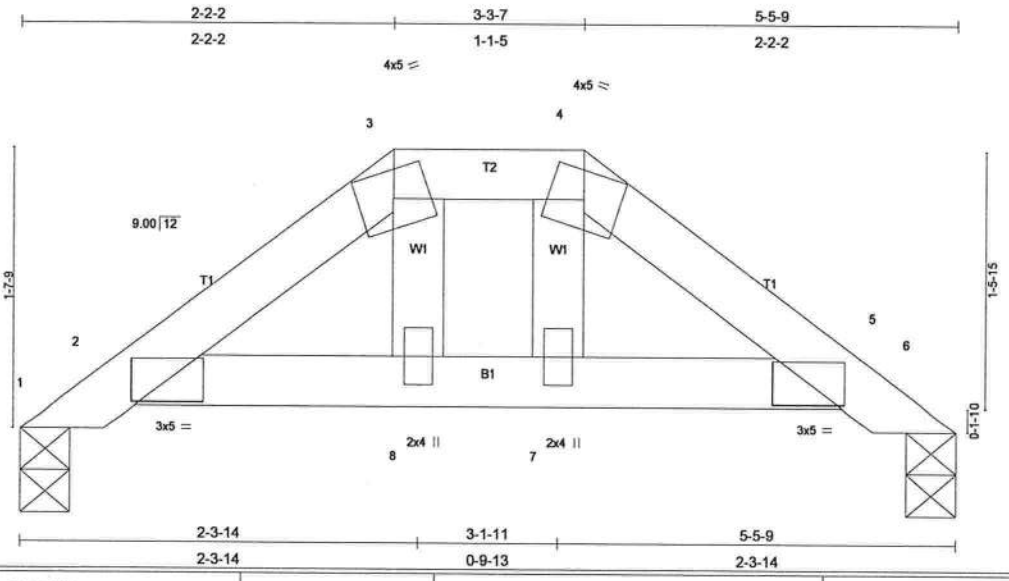

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.01	8	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=167/0-3-8, 6=167/0-3-8
Max Horz 1=-43(load case 4)
Max Uplift1=-31(load case 6), 6=-31(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-92/64, 2-3=-240/159, 3-4=-193/163, 4-5=-240/159, 5-6=-92/64
BOT CHORD 2-8=-83/188, 7-8=-85/193, 5-7=-83/188
WEBS 3-8=-16/58, 4-7=-16/58

JOINT STRESS INDEX
2 = 0.42, 3 = 0.11, 4 = 0.11, 5 = 0.42, 7 = 0.04 and 8 = 0.04

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1 and 31 lb uplift at joint 6.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T02	ATTIC	4	1	294475020

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

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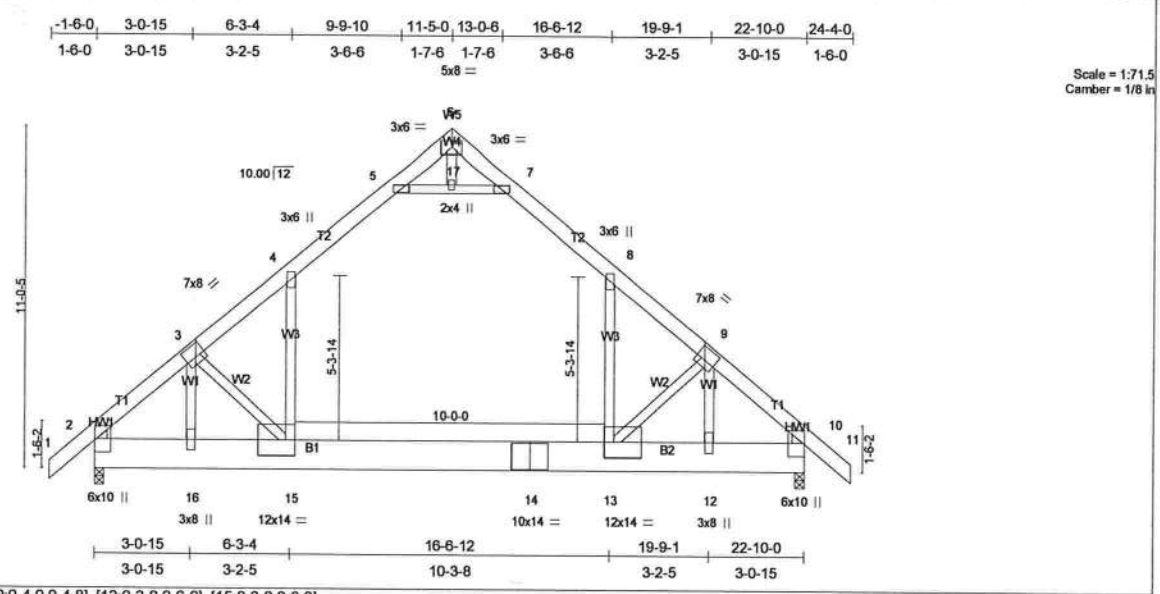

Plate Offsets (X,Y): [3:0-4-0,0-4-8], [9:0-4-0,0-4-8], [13:0-3-8,0-6-0], [15:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.20	13-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.35	13-15	>765	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 235 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1436/0-3-8, 10=1436/0-3-8
Max Horz 2=-284(load case 4)
Max Uplift2=-58(load case 6), 10=-58(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-1608/163, 3-4=-1619/170, 4-5=-983/244, 5-6=-40/525, 6-7=-40/525, 7-8=-983/244, 8-9=-1619/170, 9-10=-1608/163, 10-11=0/26
BOT CHORD 2-16=-81/1088, 15-16=-73/1097, 14-15=0/1005, 13-14=0/1005, 12-13=0/1097, 10-12=0/1088
WEBS 5-17=-1732/380, 7-17=-1732/380, 4-15=0/888, 8-13=0/888, 3-15=-208/206, 6-17=-3/106, 3-16=-287/133, 9-12=-287/141, 9-13=-208/209

JOINT STRESS INDEX
2 = 0.50, 2 = 0.00, 3 = 0.54, 4 = 0.29, 5 = 0.61, 6 = 0.78, 7 = 0.61, 8 = 0.29, 9 = 0.54, 10 = 0.50, 10 = 0.00, 12 = 0.12, 13 = 0.15, 14 = 0.35, 15 = 0.15, 16 = 0.12 and 17 = 0.34

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).4-15, 8-13
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 2 and 58 lb uplift at joint 10.
8) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T02A	ATTIC	2	3	294475021
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 13=-387(F)
3) MWFRS Wind Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=12, 2-4=-10, 4-5=-16, 5-6=-10, 6-7=18, 7-8=12, 8-10=18, 10-11=10, 5-7=-6
Horz: 1-2=-20, 2-6=1, 6-10=26, 10-11=19
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=195(F)
4) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=10, 2-4=18, 4-5=12, 5-6=18, 6-7=-10, 7-8=-16, 8-10=-10, 10-11=12, 5-7=-6
Horz: 1-2=-19, 2-6=-26, 6-10=-1, 10-11=20
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=195(F)
5) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=42, 2-4=24, 4-5=18, 5-6=24, 6-7=12, 7-8=6, 8-10=12, 10-11=5, 5-7=-6
Horz: 1-2=-51, 2-6=-32, 6-10=20, 10-11=14
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=286(F)
6) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=5, 2-4=12, 4-5=6, 5-6=12, 6-7=24, 7-8=18, 8-10=24, 10-11=42, 5-7=-6
Horz: 1-2=-14, 2-6=-20, 6-10=32, 10-11=51
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=286(F)
7) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=42, 2-4=24, 4-5=18, 5-6=24, 6-7=12, 7-8=6, 8-10=12, 10-11=5, 5-7=-6
Horz: 1-2=-51, 2-6=-32, 6-10=20, 10-11=14
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=286(F)
8) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=5, 2-4=12, 4-5=6, 5-6=12, 6-7=24, 7-8=18, 8-10=24, 10-11=42, 5-7=-6
Horz: 1-2=-14, 2-6=-20, 6-10=32, 10-11=51
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=286(F)
9) Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-14, 4-5=-24, 5-6=-14, 6-7=-14, 7-8=-24, 8-11=-14, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=-387(F)
10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-54, 4-5=-64, 5-6=-54, 6-7=-14, 7-8=-24, 8-11=-14, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=-1033(F)
11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-14, 4-5=-24, 5-6=-14, 6-7=-54, 7-8=-64, 8-11=-54, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=-1033(F)

LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 6=-188(F) 13=-387(F)

3) MWFRS Wind Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=12, 2-4=-10, 4-5=-16, 5-6=-10, 6-7=18, 7-8=12, 8-10=18, 10-11=10, 5-7=-6
Horz: 1-2=-20, 2-6=1, 6-10=26, 10-11=19
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=94(F) 13=195(F)

4) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=10, 2-4=18, 4-5=12, 5-6=18, 6-7=-10, 7-8=-16, 8-10=-10, 10-11=12, 5-7=-6
Horz: 1-2=-19, 2-6=-26, 6-10=-1, 10-11=20
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=94(F) 13=195(F)

5) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=42, 2-4=24, 4-5=18, 5-6=24, 6-7=12, 7-8=6, 8-10=12, 10-11=5, 5-7=-6
Horz: 1-2=-51, 2-6=-32, 6-10=20, 10-11=14
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=138(F) 13=286(F)

6) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=5, 2-4=12, 4-5=6, 5-6=12, 6-7=24, 7-8=18, 8-10=24, 10-11=42, 5-7=-6
Horz: 1-2=-14, 2-6=-20, 6-10=32, 10-11=51
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=138(F) 13=286(F)

7) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=42, 2-4=24, 4-5=18, 5-6=24, 6-7=12, 7-8=6, 8-10=12, 10-11=5, 5-7=-6
Horz: 1-2=-51, 2-6=-32, 6-10=20, 10-11=14
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=138(F) 13=286(F)

8) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-15=-184(F=-178), 15-17=-196(F=-178), 17-18=-76(F=-58), 13-18=-18, 10-13=-6, 1-2=5, 2-4=12, 4-5=6, 5-6=12, 6-7=24, 7-8=18, 8-10=24, 10-11=42, 5-7=-6
Horz: 1-2=-14, 2-6=-20, 6-10=32, 10-11=51
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=138(F) 13=286(F)

9) Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-14, 4-5=-24, 5-6=-14, 6-7=-14, 7-8=-24, 8-11=-14, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=-188(F) 13=-387(F)

10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-54, 4-5=-64, 5-6=-54, 6-7=-14, 7-8=-24, 8-11=-14, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=-500(F) 13=-1033(F)

11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-14, 4-5=-24, 5-6=-14, 6-7=-54, 7-8=-64, 8-11=-54, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=-500(F) 13=-1033(F)

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T02G	GABLE	1	1	294475024
					Job Reference (optional)

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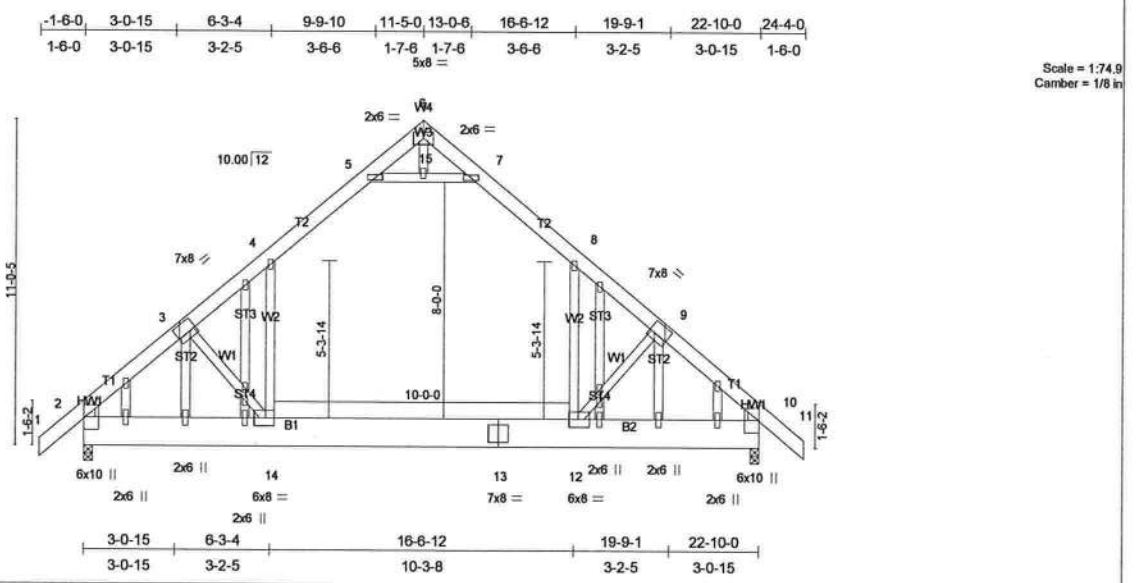

Plate Offsets (X,Y): [3:0-2-8,0-4-8], [9:0-2-8,0-4-8], [12:0-3-8,0-3-0], [14:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.20	12-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.36	12-14	>756	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 253 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=1436/0-3-8, 10=1436/0-3-8
Max Horz 2=-359(load case 4)
Max Uplift2=-228(load case 6), 10=-228(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-1734/152, 3-4=-1603/171, 4-5=-977/244, 5-6=-47/522, 6-7=-47/522, 7-8=-977/244, 8-9=-1603/171, 9-10=-1734/151, 10-11=0/26
BOT CHORD 2-14=-88/1164, 13-14=0/998, 12-13=0/998, 10-12=-28/1164
WEBS 5-15=-1718/382, 7-15=-1718/382, 4-14=-22/866, 8-12=-22/866, 3-14=-263/217, 6-15=-3/105, 9-12=-263/218

JOINT STRESS INDEX
2 = 0.52, 2 = 0.00, 3 = 0.74, 3 = 0.00, 4 = 0.63, 5 = 0.99, 6 = 0.77, 7 = 0.99, 8 = 0.63, 9 = 0.74, 9 = 0.00, 10 = 0.52, 10 = 0.00, 12 = 0.23, 13 = 0.84, 14 = 0.23, 15 = 0.34, 16 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.23, 19 = 0.23, 20 = 0.23, 21 = 0.34, 22 = 0.34, 23 = 0.23, 24 = 0.34, 24 = 0.34, 25 = 0.23, 26 = 0.23 and 27 = 0.34

NOTES (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-15, 7-15; Wall dead load (5.0psf) on member(s).4-14, 8-12
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 2 and 228 lb uplift at joint 10.
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T04	SPECIAL	1	1	294475026

Job Reference (optional)

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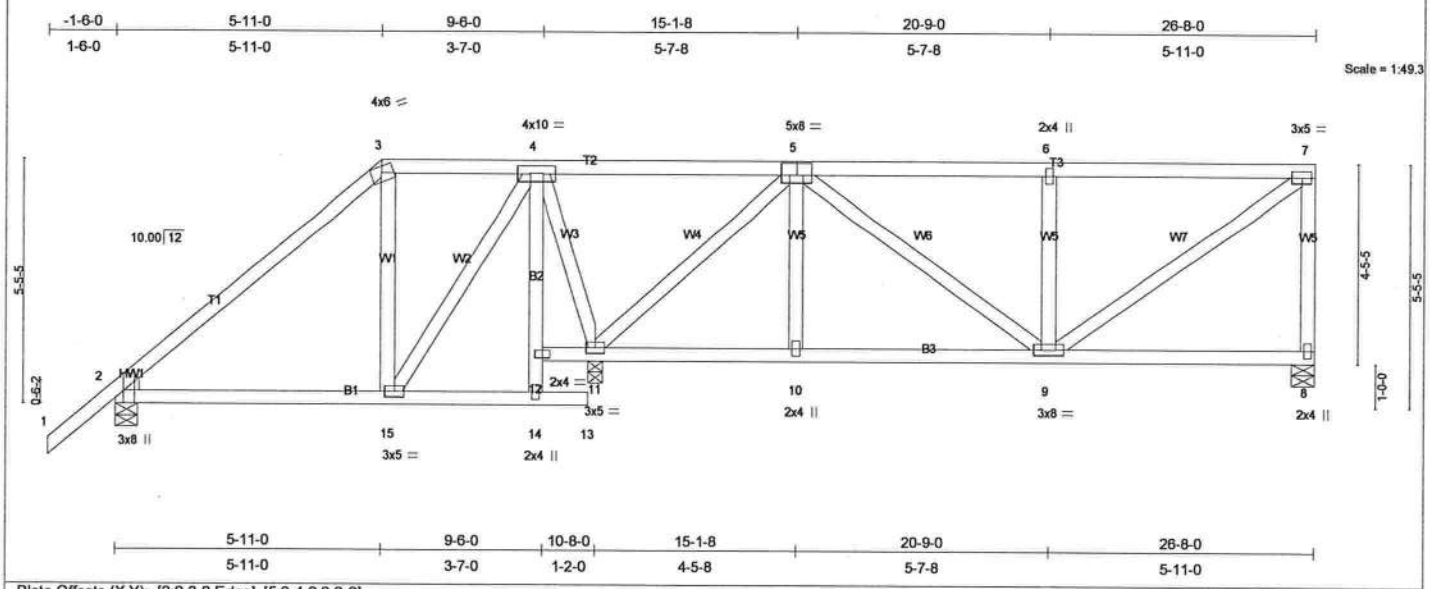

Plate Offsets (X,Y): [2:0-3-8,Edge], [5:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.03	2-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-15	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	-0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 162 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-15.
JOINTS 1 Brace at Jt(s): 12

REACTIONS (lb/size) 8=465/0-6-0, 2=373/0-6-0, 11=949/0-4-0
Max Horz 2=219(load case 6)
Max Uplift8=-174(load case 4), 2=-118(load case 6), 11=-265(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-266/29, 3-4=-118/112, 4-5=-75/161, 5-6=-432/226, 6-7=-432/226, 7-8=-433/253
BOT CHORD 2-15=-118/121, 14-15=-29/8, 13-14=0/0, 12-14=0/57, 4-12=0/43, 11-12=-28/6, 10-11=-174/317, 9-10=-174/317, 8-9=-17/33
WEBS 3-15=-148/184, 4-11=-486/307, 5-11=-653/340, 5-10=0/150, 5-9=-64/143, 6-9=-319/230, 7-9=-257/492, 4-15=-200/266

JOINT STRESS INDEX
2 = 0.59, 2 = 0.00, 3 = 0.67, 4 = 0.44, 5 = 0.37, 6 = 0.34, 7 = 0.69, 8 = 0.56, 9 = 0.57, 10 = 0.34, 11 = 0.51, 12 = 0.34, 14 = 0.34 and 15 = 0.44

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 8, 118 lb uplift at joint 2 and 265 lb uplift at joint 11.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T06	SPECIAL	1	1	294475028
					Job Reference (optional)

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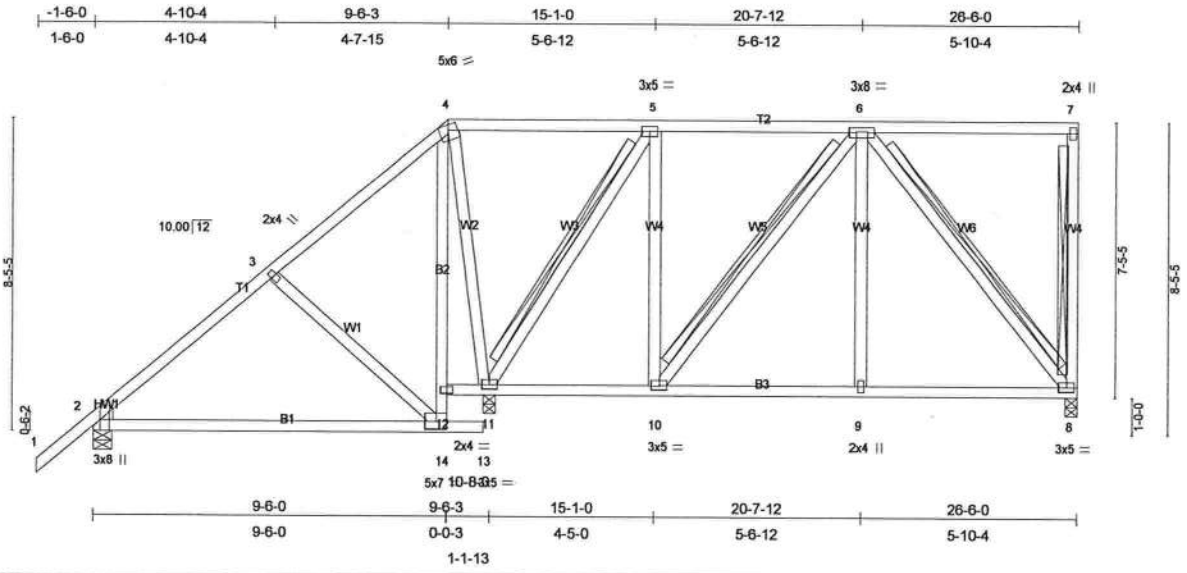

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.13	2-14	>944	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.23	2-14	>532	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.35	Horz(TL)	-0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8, 5-11, 6-10, 6-8
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.
JOINTS 1 Brace at Jt(s): 12

REACTIONS (lb/size) 8=504/0-4-0, 2=434/0-6-0, 11=838/0-4-0
Max Horz 2=316(load case 6)
Max Uplift8=-170(load case 4), 2=-40(load case 6), 11=-293(load case 5)
Max Grav 8=517(load case 11), 2=434(load case 1), 11=838(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-352/0, 3-4=-233/0, 4-5=-131/0, 5-6=-269/88, 6-7=-14/7, 7-8=-138/98
BOT CHORD 2-14=-183/212, 13-14=0/0, 12-14=-123/226, 4-12=-72/215, 11-12=-1/153, 10-11=-88/269, 9-10=-125/292, 8-9=-125/292
WEBS 3-14=-189/238, 4-11=-384/343, 5-10=-13/124, 6-9=0/183, 5-11=-457/259, 6-10=-58/62, 6-8=-446/190

JOINT STRESS INDEX
2 = 0.79, 2 = 0.00, 3 = 0.34, 4 = 0.53, 5 = 0.44, 6 = 0.58, 7 = 0.71, 8 = 0.41, 9 = 0.34, 10 = 0.41, 11 = 0.44, 12 = 0.42 and 14 = 0.77

NOTES (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 8, 40 lb uplift at joint 2 and 293 lb uplift at joint 11.
7) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T08	SPECIAL	2	1	294475030
					Job Reference (optional)

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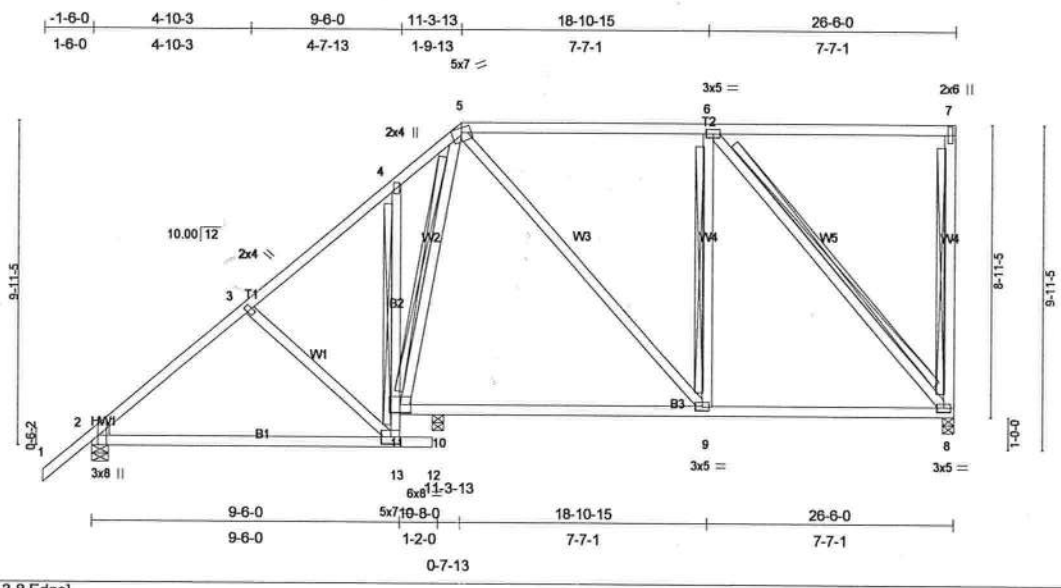

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.13	2-13	>954	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-0.23	2-13	>554	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	-0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 9-2-9 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 4-11
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8, 6-9, 6-8, 5-11
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.
JOINTS 1 Brace at Jt(s): 7, 11

REACTIONS (lb/size) 8=680/0-4-0, 2=704/0-6-0, 10=393/0-4-0
Max Horz 2=364(load case 6)
Max Uplift8=-206(load case 4), 2=-126(load case 6), 10=-115(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-759/187, 3-4=-574/183, 4-5=-449/291, 5-6=-418/250, 6-7=-20/11, 7-8=-175/125
BOT CHORD 2-13=-453/505, 12-13=0/0, 11-13=-121/225, 4-11=-91/160, 10-11=-273/378, 9-10=-273/378, 8-9=-250/418
WEBS 3-13=-177/226, 6-9=-30/194, 6-8=-610/366, 5-9=-81/129, 5-11=-192/200

JOINT STRESS INDEX
2 = 0.79, 2 = 0.00, 3 = 0.34, 4 = 0.43, 5 = 0.50, 6 = 0.41, 7 = 0.66, 8 = 0.44, 9 = 0.41, 11 = 0.80 and 13 = 0.81

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 8, 126 lb uplift at joint 2 and 115 lb uplift at joint 10.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T10	MONO TRUSS	5	1	294475032
					Job Reference (optional)

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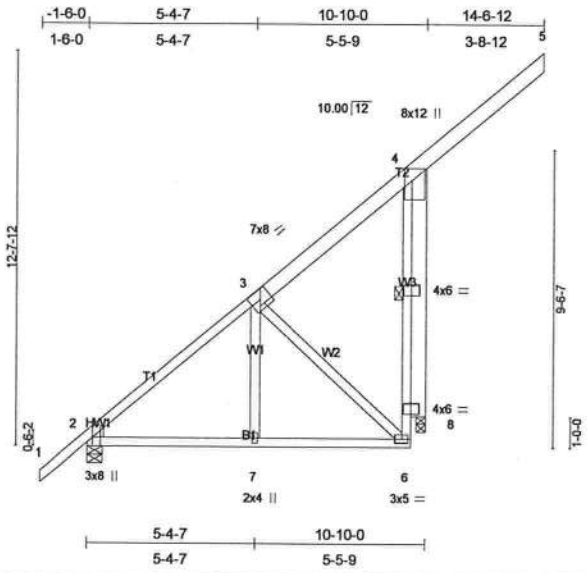

Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-4-0,0-3-4], [4:0-4-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.01	2-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.03	2-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS (lb/size) 2=371/0-6-0, 8=596/0-3-8
Max Horz 2=423(load case 6)
Max Uplift8=-443(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-605/24, 3-4=-586/144, 4-5=-145/0, 6-8=-148/189, 4-8=-412/749
BOT CHORD 2-7=-95/137, 6-7=-96/135
WEBS 3-7=0/172, 3-6=-239/246

JOINT STRESS INDEX
2 = 0.33, 2 = 0.00, 3 = 0.17, 4 = 0.53, 6 = 0.42, 7 = 0.13, 8 = 0.00, 8 = 0.37 and 8 = 0.37

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 8.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T12G	GABLE	1	1	294475034

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

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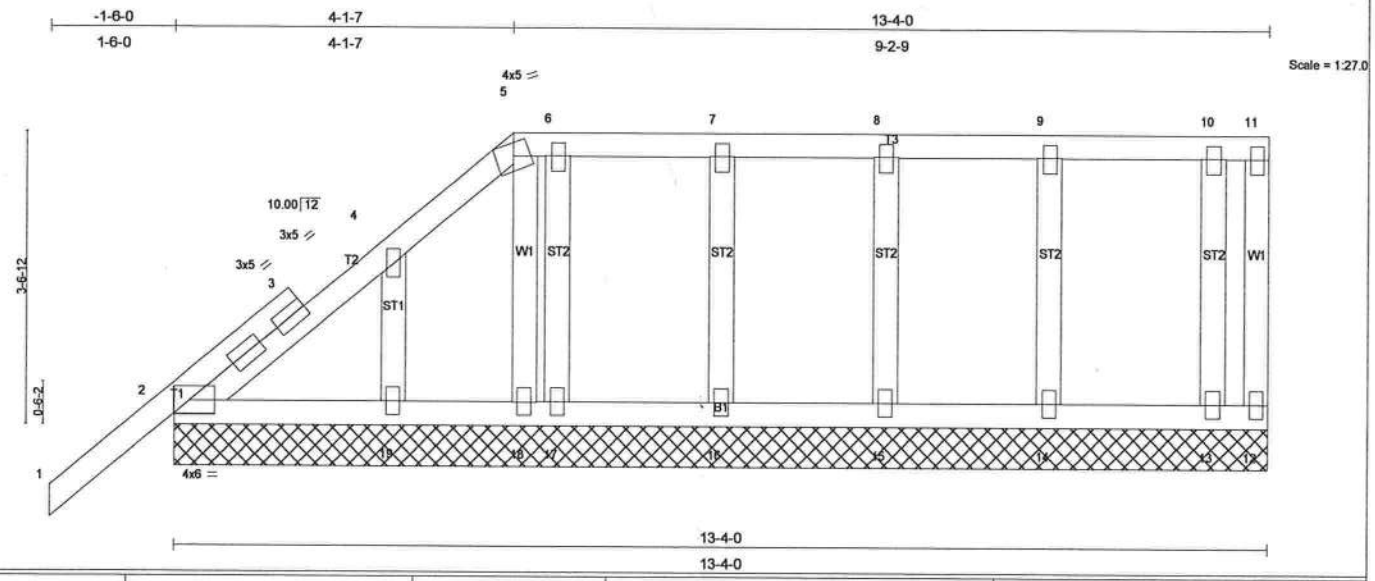

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	1	n/r	90		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	-0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 81 lb	

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

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

REACTIONS (lb/size) 2=184/13-4-0, 12=0/13-4-0, 16=133/13-4-0, 17=91/13-4-0, 19=126/13-4-0, 15=126/13-4-0, 14=135/13-4-0, 13=91/13-4-0, 18=39/13-4-0
Max Horz 2=220(load case 6)
Max Uplift2=-86(load case 6), 12=-8(load case 2), 16=-85(load case 4), 17=-50(load case 4), 19=-81(load case 6), 15=-78(load case 4), 14=-85(load case 4), 13=-51(load case 4), 18=-62(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-117/13, 3-4=-107/33, 4-5=-36/18, 5-6=-1/1, 6-7=-1/2, 7-8=-1/2, 8-9=-1/2, 9-10=-1/2, 10-11=-1/2, 11-12=-1/3
BOT CHORD 2-19=-4/3, 18-19=-4/3, 17-18=-2/1, 16-17=-2/1, 15-16=-2/1, 14-15=-2/1, 13-14=-2/1, 12-13=-2/1
WEBS 7-16=-113/97, 6-17=-74/64, 4-19=-103/104, 8-15=-106/90, 9-14=-114/97, 10-13=-76/64, 5-18=-37/57

JOINT STRESS INDEX
2 = 0.46, 3 = 0.00, 3 = 0.18, 3 = 0.18, 4 = 0.06, 5 = 0.06, 6 = 0.04, 7 = 0.06, 8 = 0.05, 9 = 0.06, 10 = 0.04, 11 = 0.03, 12 = 0.02, 13 = 0.04, 14 = 0.06, 15 = 0.05, 16 = 0.06, 17 = 0.04, 18 = 0.03 and 19 = 0.06

NOTES (10)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 2, 8 lb uplift at joint 12, 85 lb uplift at joint 16, 50 lb uplift at joint 17, 81 lb uplift at joint 19, 78 lb uplift at joint 15, 85 lb uplift at joint 14, 51 lb uplift at joint 13 and 62 lb uplift at joint 18.
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T14	SPECIAL	1	1	294475036
					Job Reference (optional)

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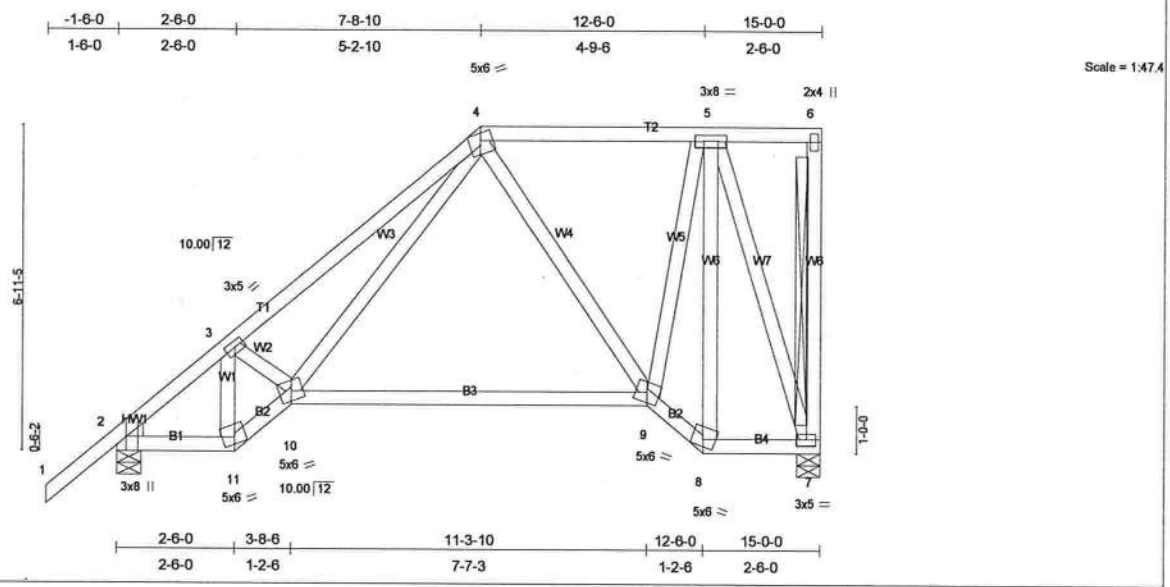

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.06	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.12	9-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 115 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
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-8 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=462/0-6-0, 2=567/0-6-0
Max Horz 2=268(load case 6)
Max Uplift7=-144(load case 5), 2=-140(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-581/167, 3-4=-754/414, 4-5=-220/145, 5-6=-2/1, 6-7=-31/30
BOT CHORD 2-11=-377/393, 10-11=-455/511, 9-10=-260/315, 8-9=-110/202, 7-8=-97/141
WEBS 3-11=-368/336, 3-10=-73/224, 4-10=-258/374, 4-9=-179/214, 5-9=-213/361, 5-8=-130/62, 5-7=-441/305

JOINT STRESS INDEX
2 = 0.43, 2 = 0.00, 3 = 0.25, 4 = 0.72, 5 = 0.42, 6 = 0.06, 7 = 0.23, 8 = 0.06, 9 = 0.76, 10 = 0.70 and 11 = 0.20

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 7 and 140 lb uplift at joint 2.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T16	SPECIAL	1	1	294475038
					Job Reference (optional)

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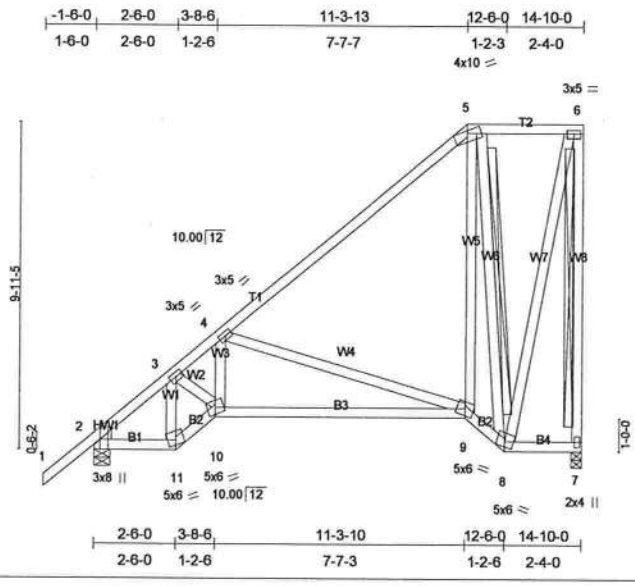

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.07	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.30	Vert(TL)	-0.14	9-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 129 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
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-14 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7, 5-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=456/0-4-0, 2=562/0-6-0
Max Horz 2=364(load case 6)
Max Uplift7=-190(load case 6), 2=-100(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-550/16, 3-4=-713/252, 4-5=-344/31, 5-6=-96/88, 6-7=-449/385
BOT CHORD 2-11=-352/332, 10-11=-420/436, 9-10=-609/611, 8-9=-161/218, 7-8=-2/2
WEBS 3-11=-296/274, 3-10=-358/397, 4-10=-1/265, 5-9=-193/402, 4-9=-471/487, 5-8=-544/473, 6-8=-403/431

JOINT STRESS INDEX
2 = 0.31, 2 = 0.00, 3 = 0.27, 4 = 0.25, 5 = 0.91, 6 = 0.36, 7 = 0.22, 8 = 0.29, 9 = 0.65, 10 = 0.75 and 11 = 0.15

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 7 and 100 lb uplift at joint 2.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T18	SPECIAL	2	1	294475040
					Job Reference (optional)

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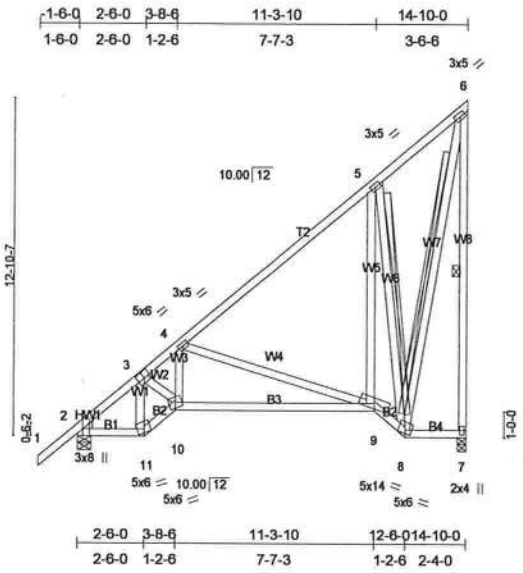

Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.07	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.14	9-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W8 2 X 4 SYP No.1D, W7 2 X 4 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-10 oc bracing.
WEBS 1 Row at midpt 6-7
T-Brace: 2 X 4 SYP No.3 - 5-8, 6-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=456/0-4-0, 2=562/0-6-0
Max Horz 2=453(load case 6)
Max Uplift7=-293(load case 6), 2=-37(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-551/0, 3-4=-709/129, 4-5=-344/0, 5-6=-216/88, 6-7=-450/458
BOT CHORD 2-11=-383/334, 10-11=-467/449, 9-10=-636/611, 8-9=-176/219, 7-8=-1/4
WEBS 3-11=-305/303, 3-10=-359/397, 4-10=-19/263, 4-9=-469/498, 5-9=-197/404, 5-8=-604/571, 6-8=-496/496

JOINT STRESS INDEX
2 = 0.31, 2 = 0.00, 3 = 0.18, 4 = 0.25, 5 = 0.38, 6 = 0.45, 7 = 0.26, 8 = 0.26, 9 = 0.57, 10 = 0.75 and 11 = 0.16

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 7 and 37 lb uplift at joint 2.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T20	MONO TRUSS	1	1	294475042
					Job Reference (optional)

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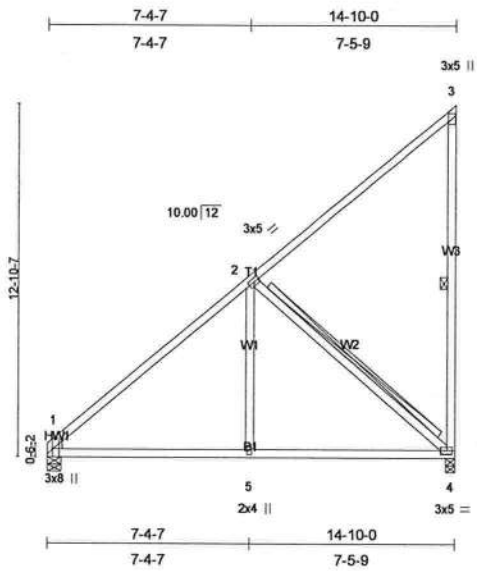

Scale = 1:80.7

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.10	1-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.11	1-5	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.22	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 93 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W3 2 X 4 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-4
T-Brace: 2 X 4 SYP No.3 - 2-4
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 4=462/0-4-0, 1=462/0-6-0
Max Horz 1=398(load case 6)
Max Uplift4=-299(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-541/0, 2-3=-159/94, 3-4=-162/201
BOT CHORD 1-5=-327/323, 4-5=-327/323
WEBS 2-5=0/254, 2-4=-409/416

JOINT STRESS INDEX
1 = 0.79, 1 = 0.00, 2 = 0.24, 3 = 0.57, 4 = 0.38 and 5 = 0.19

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 299 lb uplift at joint 4.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T22	MONO HIP	1	1	294475044
					Job Reference (optional)

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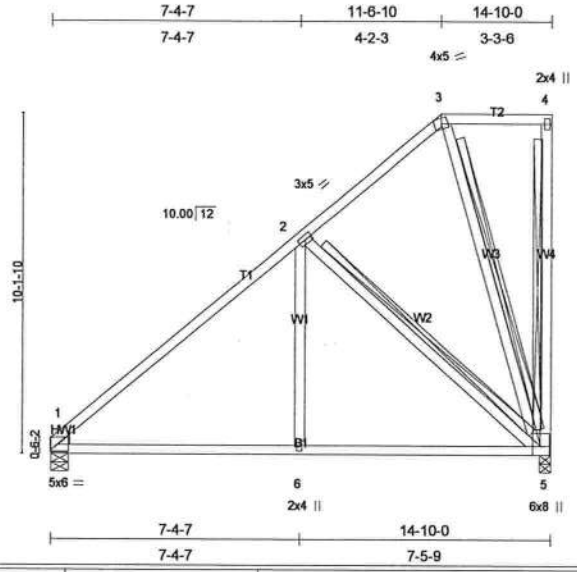

Scale = 1:65.8
Camber = 1/16 in

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.39	Vert(LL)	0.11	1-6	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.12	1-6	>999	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.19	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 102 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
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-5, 2-5, 3-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=462/0-4-0, 1=462/0-6-0
Max Horz 1=316(load case 6)
Max Uplift5=-202(load case 6), 1=-16(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-536/17, 2-3=-156/15, 3-4=-8/0, 4-5=-81/58
BOT CHORD 1-6=-301/312, 5-6=-301/312
WEBS 2-6=0/256, 2-5=-356/346, 3-5=-128/132

JOINT STRESS INDEX
1 = 0.63, 1 = 0.00, 2 = 0.24, 3 = 0.14, 4 = 0.24, 5 = 0.16 and 6 = 0.19

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 5 and 16 lb uplift at joint 1.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T24	MONO HIP	1	1	294475046
					Job Reference (optional)

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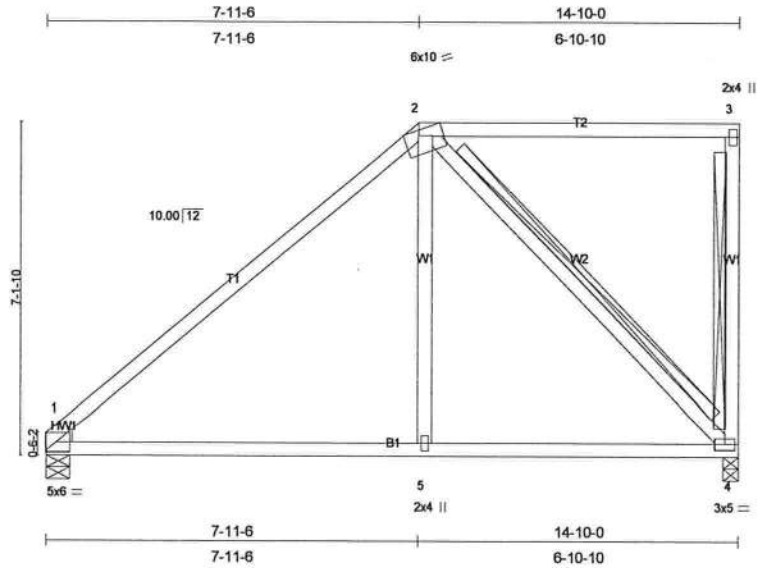

Plate Offsets (X,Y): [2:0-3-13,Edge]

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.48	Vert(LL)	0.15	1-5	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.18	1-5	>987	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 82 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
WEDGE
Left: 2 X 4 SYP No.3

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

REACTIONS (lb/size) 4=462/0-4-0, 1=462/0-6-0
Max Horz 1=219(load case 6)
Max Uplift4=-145(load case 5), 1=-57(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-523/141, 2-3=-16/14, 3-4=-148/108
BOT CHORD 1-5=-249/300, 4-5=-249/303
WEBS 2-5=0/256, 2-4=-409/350

JOINT STRESS INDEX
1 = 0.72, 1 = 0.00, 2 = 0.91, 3 = 0.81, 4 = 0.28 and 5 = 0.19

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 4 and 57 lb uplift at joint 1.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T26	MONO TRUSS	2	1	294475048

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

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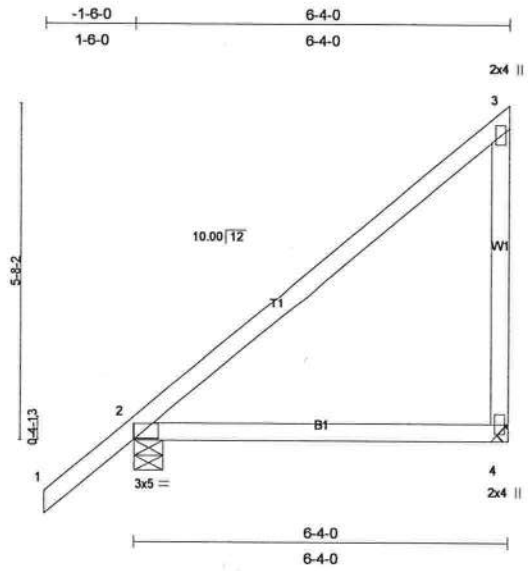

Scale = 1:37.5

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

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.41	Vert(LL)	0.18	2-4	>395	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.10	2-4	>702	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 32 lb	

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

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

REACTIONS (lb/size) 2=298/0-6-0, 4=176/Mechanical
Max Horz 2=317(load case 6)
Max Uplift2=-183(load case 6), 4=-252(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-174/75
BOT CHORD 2-4=0/0
WEBS 3-4=-146/213

JOINT STRESS INDEX
2 = 0.23, 3 = 0.11 and 4 = 0.12

NOTES (5-6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint 2 and 252 lb uplift at joint 4.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
6) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T27	HIP	1	1	294475050
					Job Reference (optional)

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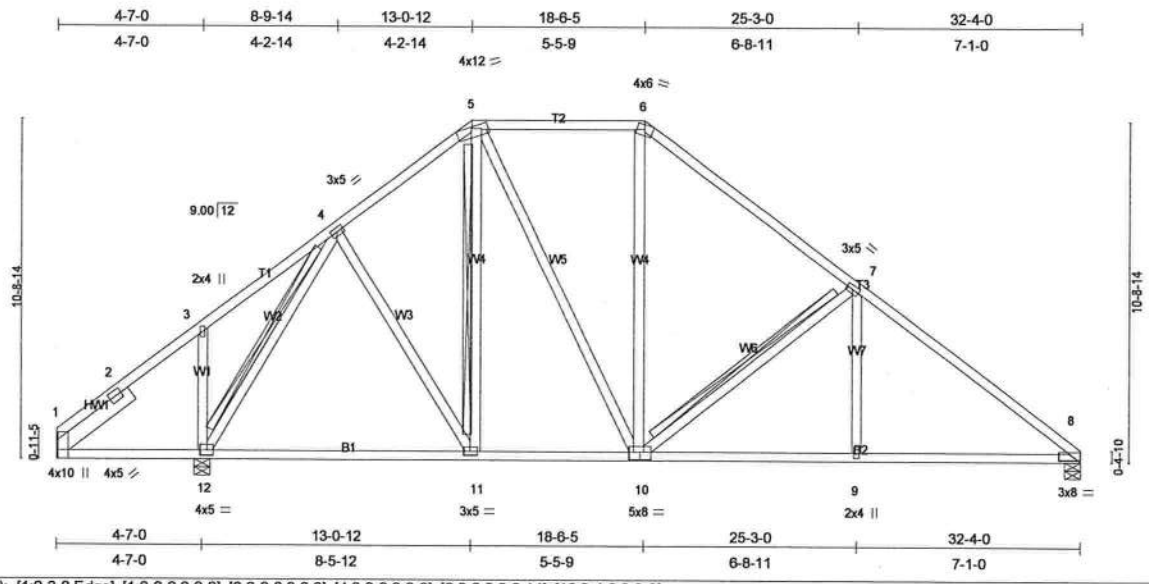

Plate Offsets (X,Y): [1:0-3-8,Edge], [1:0-0-0,0-0-0], [3:0-0-0,0-0-0], [4:0-0-0,0-0-0], [8:0-8-3,0-0-14], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.25	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.18	11-12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.74	Horz(TL)	-0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 210 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 2-11-6

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-3 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 5-11-6 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-12, 5-11, 7-10
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.

REACTIONS (lb/size) 8=856/0-6-0, 12=1198/0-6-0
Max Horz 12=-290(load case 4)
Max Uplift8=-512(load case 4), 12=-575(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-42/163, 2-3=-28/242, 3-4=0/209, 4-5=-647/942, 5-6=-564/915, 6-7=-820/1030, 7-8=-1205/1347
BOT CHORD 1-12=-119/90, 11-12=-306/361, 10-11=-362/465, 9-10=-944/868, 8-9=-944/868
WEBS 3-12=-285/273, 4-12=-949/783, 4-11=-195/218, 5-11=-203/61, 5-10=-221/266, 6-10=-382/206, 7-10=-388/619, 7-9=-325/235

JOINT STRESS INDEX
1 = 0.40, 1 = 0.14, 2 = 0.00, 3 = 0.34, 4 = 0.52, 5 = 0.73, 6 = 0.72, 7 = 0.52, 8 = 0.73, 9 = 0.34, 10 = 0.43, 11 = 0.44 and 12 = 0.34

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 8 and 575 lb uplift at joint 12.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T29	SPECIAL	2	1	294475052
					Job Reference (optional)

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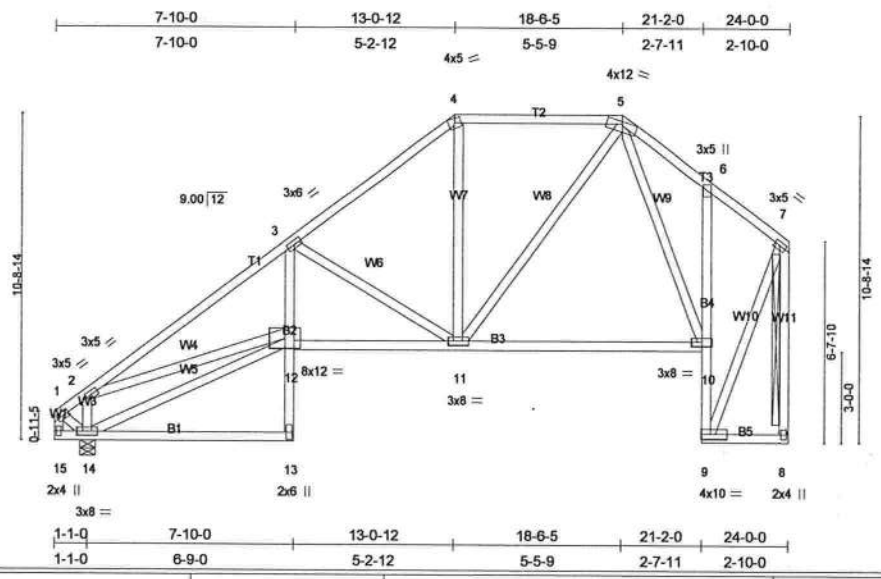

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.14	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.31	10-11	>893	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.48	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-6-14 oc bracing: 11-12
6-0-0 oc bracing: 9-10.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=727/Mechanical, 14=790/0-6-0
Max Horz 14=262(load case 5)
Max Uplift8=-150(load case 6), 14=-142(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-101/23, 2-3=-1413/769, 3-4=-813/483, 4-5=-583/461, 5-6=-374/325, 6-7=-352/206, 7-8=-829/443
BOT CHORD 14-15=0/0, 13-14=-4/39, 12-13=0/94, 3-12=-203/312, 11-12=-695/1034, 10-11=-179/400, 9-10=-398/217, 6-10=-85/134, 8-9=-3/4
WEBS 3-11=-532/482, 4-11=-77/227, 5-11=-184/342, 5-10=-332/195, 7-9=-281/565, 2-14=-865/611, 12-14=-376/152, 2-12=-377/924, 1-15=-110/0, 1-14=-125/183

JOINT STRESS INDEX
1 = 0.52, 2 = 0.52, 3 = 0.69, 4 = 0.74, 5 = 0.50, 6 = 0.74, 7 = 0.57, 8 = 0.34, 9 = 0.67, 10 = 0.70, 11 = 0.58, 12 = 0.40, 13 = 0.54, 14 = 0.57 and 15 = 0.34

NOTES (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 8 and 142 lb uplift at joint 14.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T31	HIP	2	1	294475054

Job Reference (optional)

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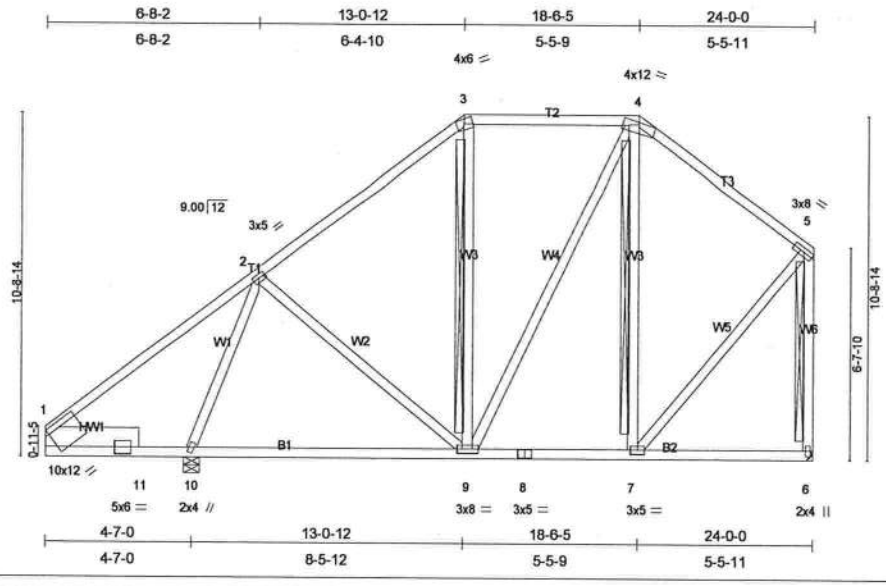

Plate Offsets (X,Y): [1:0-1-11,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.10	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.17	9-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 177 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 8 SYP No.1D 2-11-7

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-10.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-9, 4-7, 5-6
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 10=942/0-6-0, 6=585/Mechanical
Max Horz 10=281(load case 5)
Max Uplift10=-170(load case 6), 6=-125(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-102/337, 2-3=-443/292, 3-4=-266/317, 4-5=-366/248, 5-6=-554/334
BOT CHORD 1-11=-169/186, 10-11=-169/186, 9-10=-238/142, 8-9=-103/227, 7-8=-103/227, 6-7=-14/16
WEBS 2-10=-869/405, 2-9=-58/166, 3-9=-149/99, 4-9=-142/134, 4-7=-206/140, 5-7=-139/329

JOINT STRESS INDEX
1 = 0.73, 1 = 0.10, 2 = 0.52, 3 = 0.60, 4 = 0.91, 5 = 0.75, 6 = 0.48, 7 = 0.41, 8 = 0.18, 9 = 0.62, 10 = 0.34 and 11 = 0.00

NOTES (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 10 and 125 lb uplift at joint 6.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T33	HIP	1	1	294475056

Job Reference (optional)

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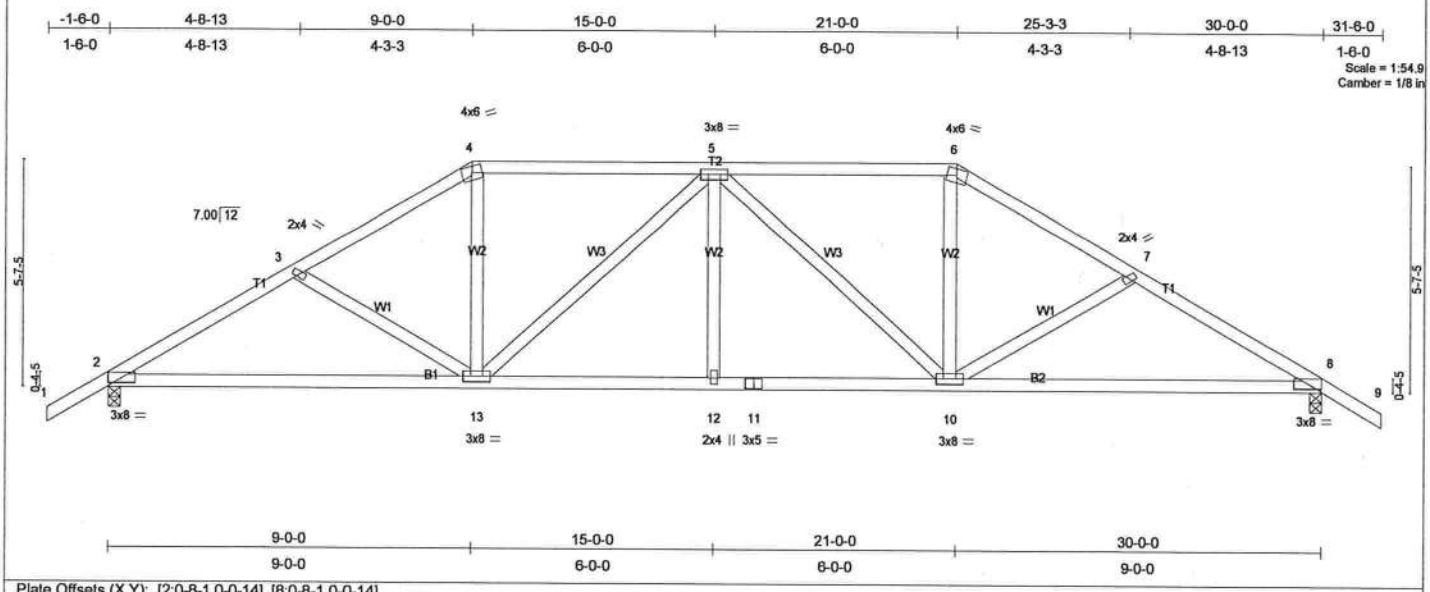

Plate Offsets (X,Y): [2:0-8-1,0-0-14], [8:0-8-1,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.35	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.25	8-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.39	Horz(TL)	-0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 159 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-4 oc bracing.

REACTIONS (lb/size) 2=1040/0-3-8, 8=1040/0-3-8
Max Horz 2=146(load case 5)
Max Uplift2=-652(load case 5), 8=-652(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1583/1774, 3-4=-1365/1688, 4-5=-1142/1523, 5-6=-1142/1523, 6-7=-1365/1688, 7-8=-1583/1774, 8-9=0/40
BOT CHORD 2-13=-1408/1299, 12-13=-1458/1347, 11-12=-1458/1347, 10-11=-1458/1347, 8-10=-1408/1299
WEBS 3-13=-200/221, 4-13=-657/399, 5-13=-364/300, 5-12=-169/124, 5-10=-364/300, 6-10=-657/399, 7-10=-200/221

JOINT STRESS INDEX
2 = 0.77, 3 = 0.34, 4 = 0.60, 5 = 0.57, 6 = 0.60, 7 = 0.34, 8 = 0.77, 10 = 0.57, 11 = 0.46, 12 = 0.34 and 13 = 0.57

NOTES (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 652 lb uplift at joint 2 and 652 lb uplift at joint 8.
7) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T35	COMMON	6	1	294475058
					Job Reference (optional)

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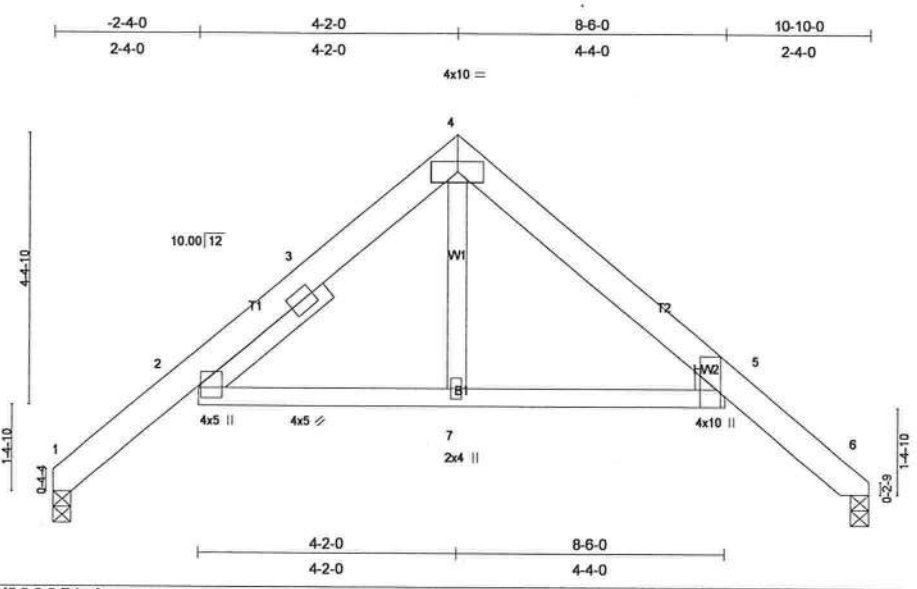


Plate Offsets (X,Y): [2:0-2-4,0-0-9], [5:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	0.14	5-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.23	5-7	>667	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.23	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Right: 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 2-7-9

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

REACTIONS (lb/size) 1=416/0-3-8, 6=417/0-3-8
Max Horz 1=-151(load case 4)
Max Uplift1=-79(load case 6), 6=-80(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-212/137, 2-3=-522/232, 3-4=-406/266, 4-5=-543/259, 5-6=-227/140
BOT CHORD 2-7=-72/450, 5-7=-72/450
WEBS 4-7=-33/194

JOINT STRESS INDEX
2 = 0.86, 2 = 0.17, 3 = 0.00, 4 = 0.83, 5 = 0.54, 5 = 0.00 and 7 = 0.14

NOTES (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 1 and 80 lb uplift at joint 6.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

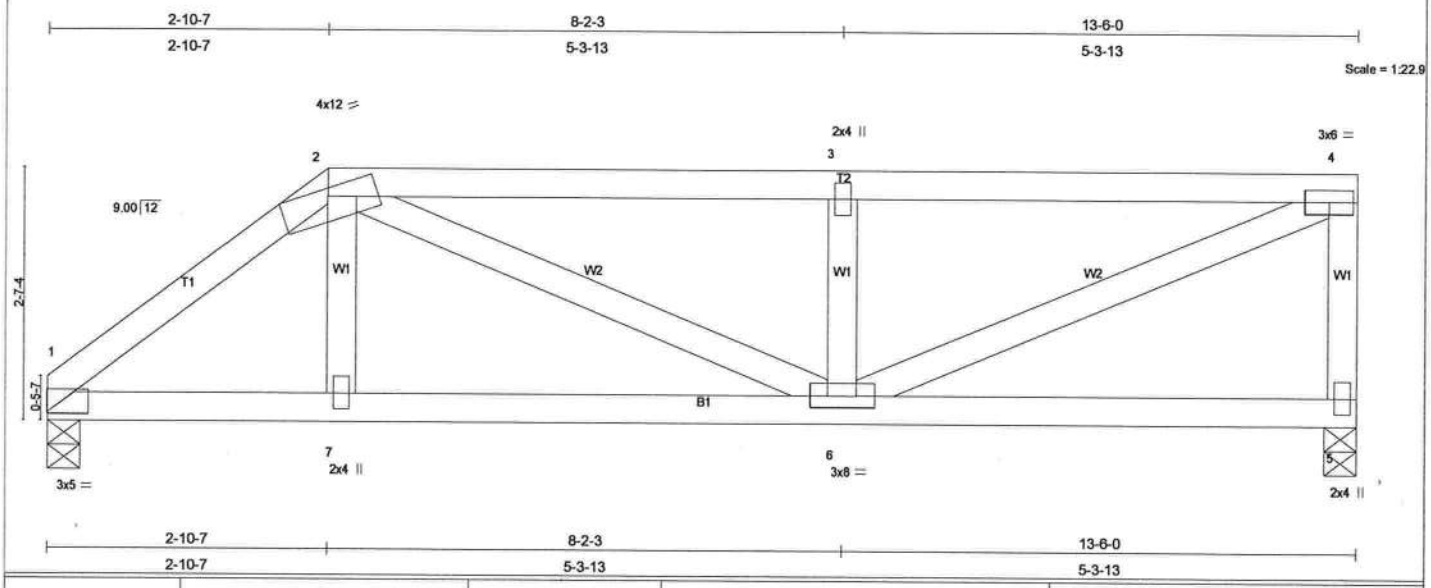
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T36	MONO HIP	1	1	294475060

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 14:00:13 2009 Page 1



LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.33	Vert(LL)	0.03	6-7	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.04	6-7	>999	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 66 lb	

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

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

REACTIONS (lb/size) 1=422/0-4-0, 5=422/0-4-0
Max Horz 1=74(load case 6)
Max Uplift1=-89(load case 5), 5=-143(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-595/318, 2-3=-633/394, 3-4=-633/395, 4-5=-390/268
BOT CHORD 1-7=-302/442, 6-7=-301/445, 5-6=-34/56
WEBS 2-7=0/133, 2-6=-113/205, 3-6=-296/244, 4-6=-395/632

JOINT STRESS INDEX
1 = 0.43, 2 = 0.53, 3 = 0.14, 4 = 0.60, 5 = 0.55, 6 = 0.59 and 7 = 0.10

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 1 and 143 lb uplift at joint 5.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T38	MONO HIP	1	1	294475062

Job Reference (optional)

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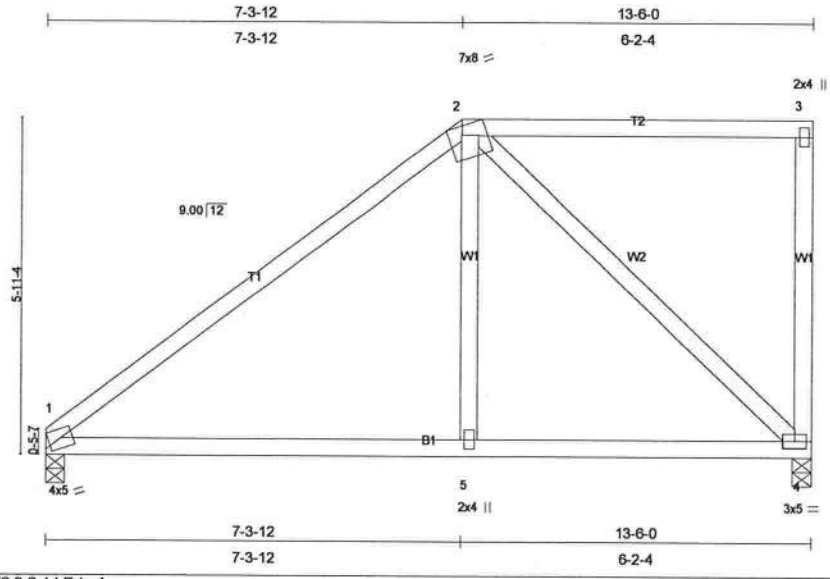

Plate Offsets (X,Y): [1:0-1-3,0-0-14], [2:0-2-14,Edge]

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.38	Vert(LL)	0.10	1-5	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.13	1-5	>999	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 71 lb	

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

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

REACTIONS (lb/size) 1=422/0-4-0, 4=422/0-4-0
Max Horz 1=181(load case 6)
Max Uplift1=-62(load case 6), 4=-125(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-492/153, 2-3=-15/14, 3-4=-131/98
BOT CHORD 1-5=-240/303, 4-5=-240/306
WEBS 2-5=0/234, 2-4=-398/321

JOINT STRESS INDEX
1 = 0.83, 2 = 0.76, 3 = 0.65, 4 = 0.22 and 5 = 0.17

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 1 and 125 lb uplift at joint 4.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	V8	VALLEY	1	1	294475064

Job Reference (optional)

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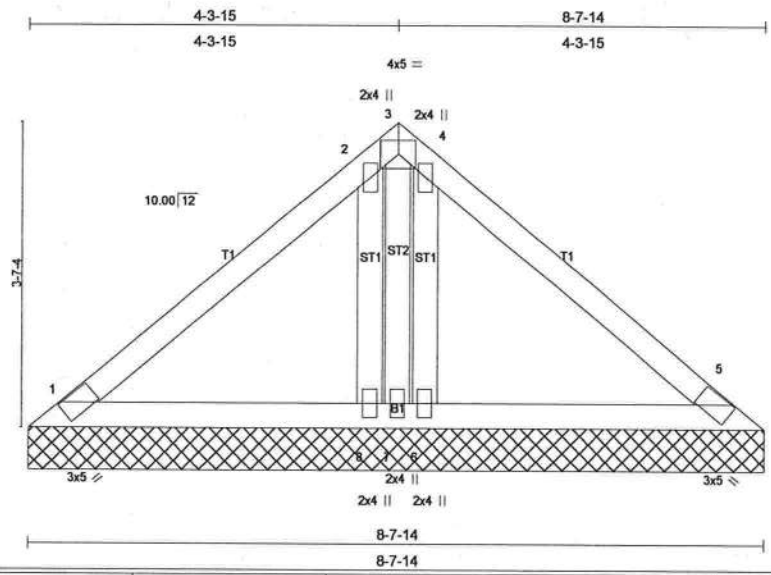


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 41 lb	

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

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

REACTIONS (lb/size) 1=89/8-7-14, 5=89/8-7-14, 7=-294/8-7-14, 6=309/8-7-14, 8=309/8-7-14
Max Horz 1=-91(load case 4)
Max Uplift1=-17(load case 7), 5=-14(load case 7), 7=-395(load case 2), 6=-134(load case 7), 8=-142(load case 5)
Max Grav 1=90(load case 10), 5=90(load case 11), 7=85(load case 7), 6=348(load case 11), 8=348(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-58/69, 2-3=-47/90, 3-4=-47/90, 4-5=-57/69
BOT CHORD 1-8=-15/71, 7-8=-15/71, 6-7=-15/71, 5-6=-15/71
WEBS 3-7=-75/15, 4-6=-179/124, 2-8=-179/135

JOINT STRESS INDEX
1 = 0.35, 2 = 0.10, 3 = 0.33, 4 = 0.10, 5 = 0.35, 6 = 0.08, 7 = 0.02 and 8 = 0.08

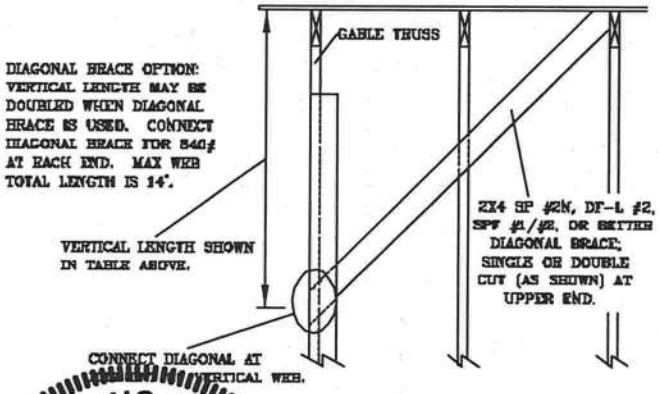
NOTES (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable requires continuous bottom chord bearing.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 14 lb uplift at joint 5, 395 lb uplift at joint 7 , 134 lb uplift at joint 6 and 142 lb uplift at joint 8.
7) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

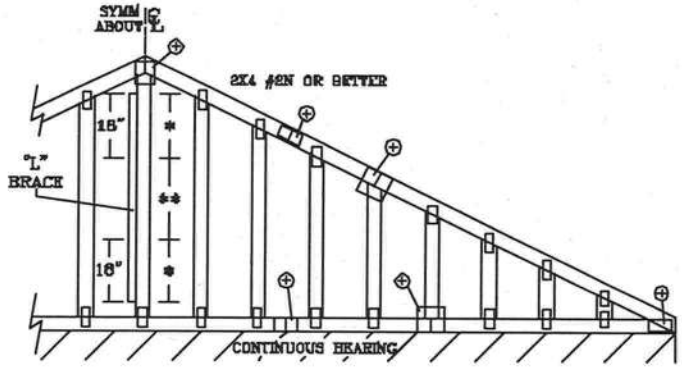
LOAD CASE(S) Standard

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

MAX GABLE VERTICAL LENGTH

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

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

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 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

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 12:00 pm, Jun 11, 2008

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

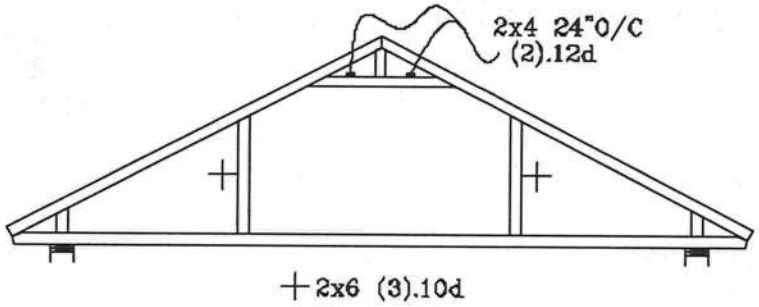
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

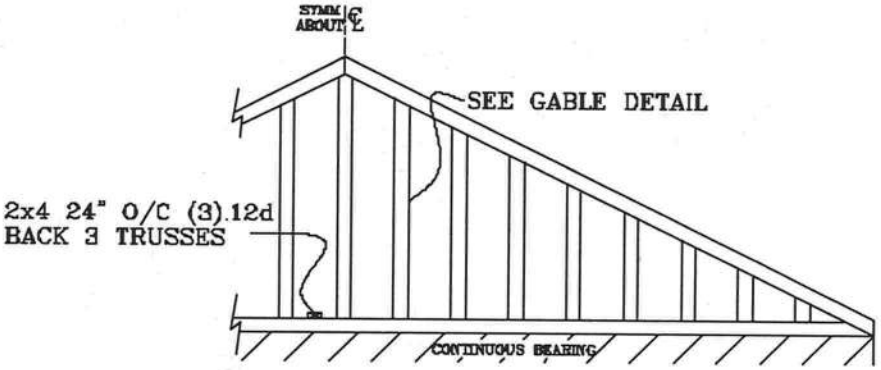
MAX. SPACING 24.0"

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

TYPICAL ATTIC TRUSS BRACING

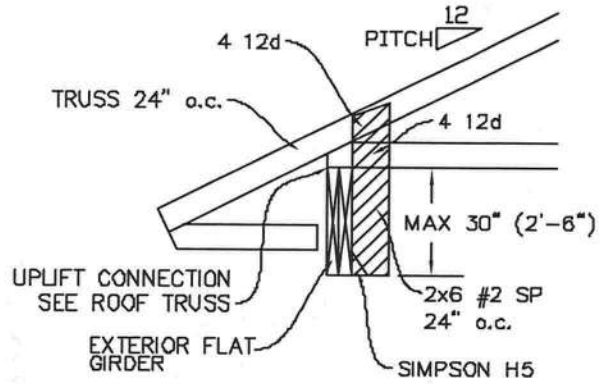


GABLE END TRUSS DETAIL



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

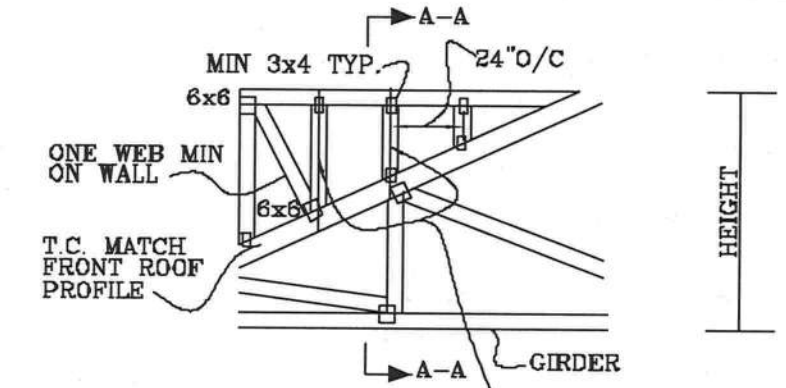
TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS

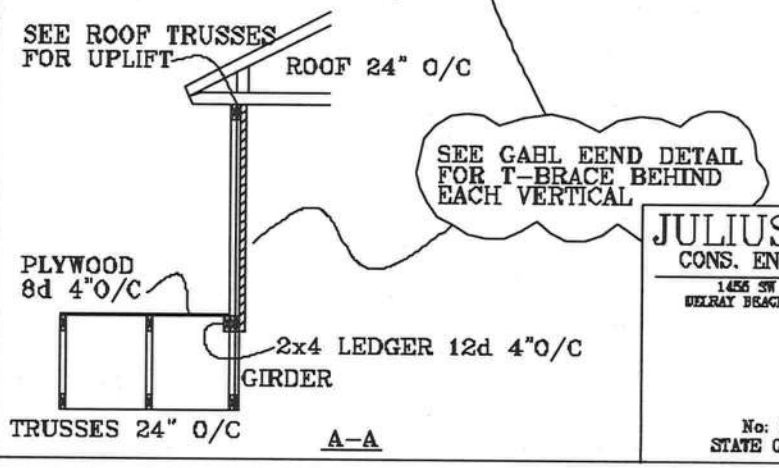


REVIEWED
By julius lee at 11:59 am, Jun 11, 2008

JULIUS LEE
LICENSE
NO. 34869
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





A-A

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

No: 34869
STATE OF FLORIDA

VALLEY TRUSS DETAIL

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

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

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

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

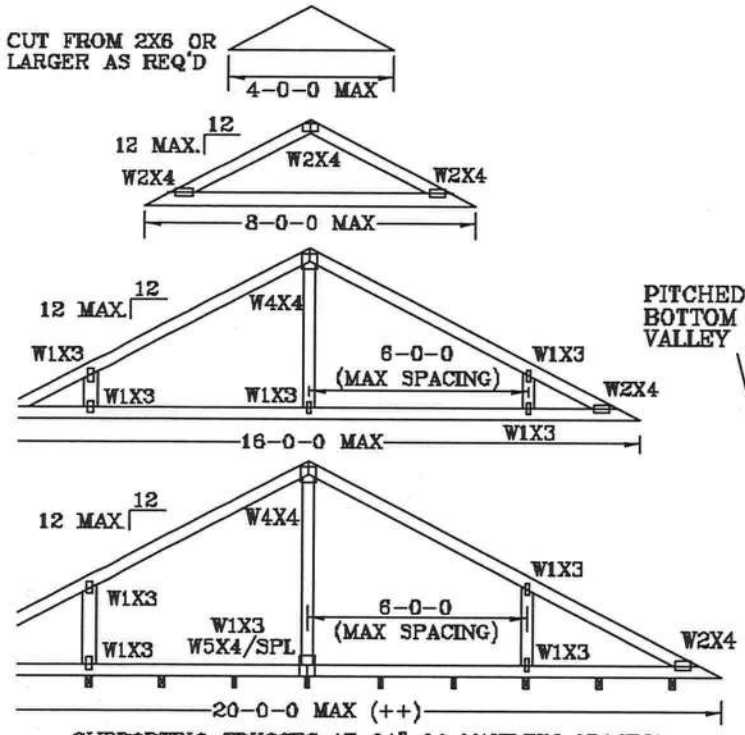
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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

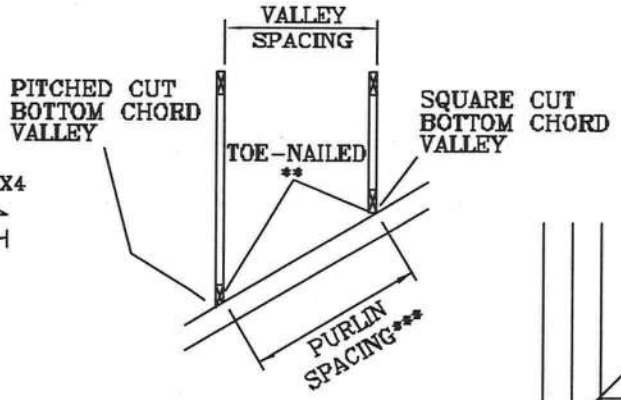
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

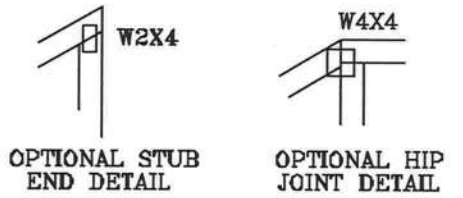
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

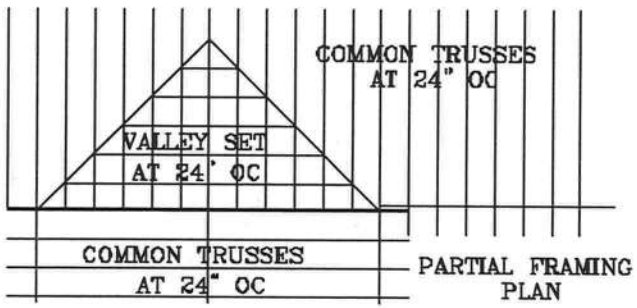
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

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

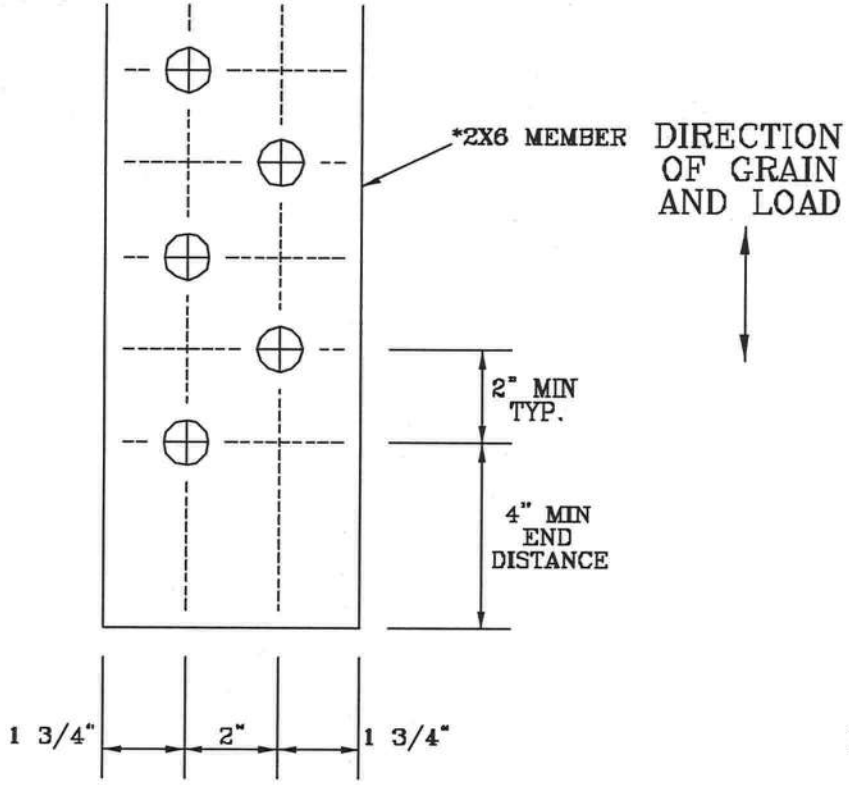
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

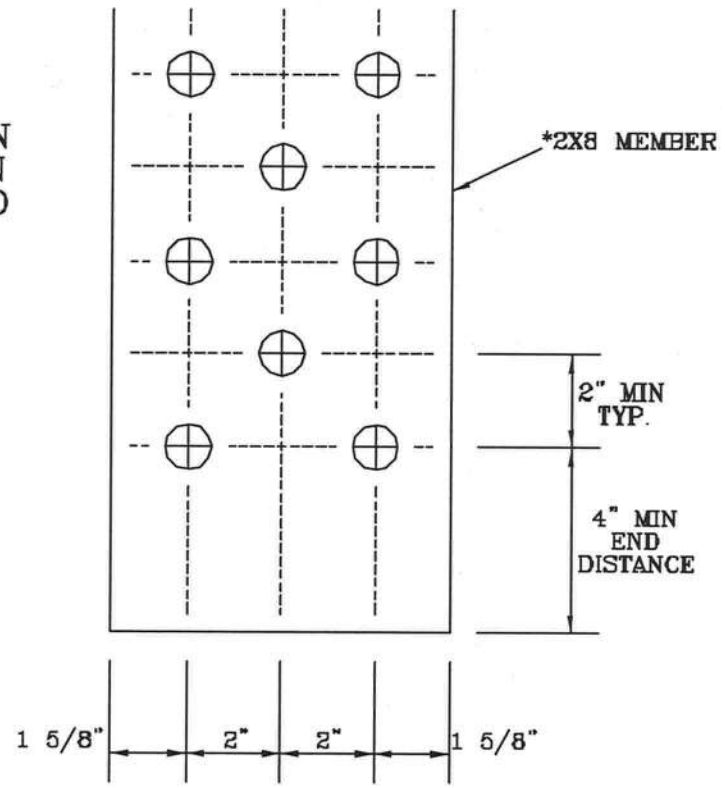
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL



2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

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.

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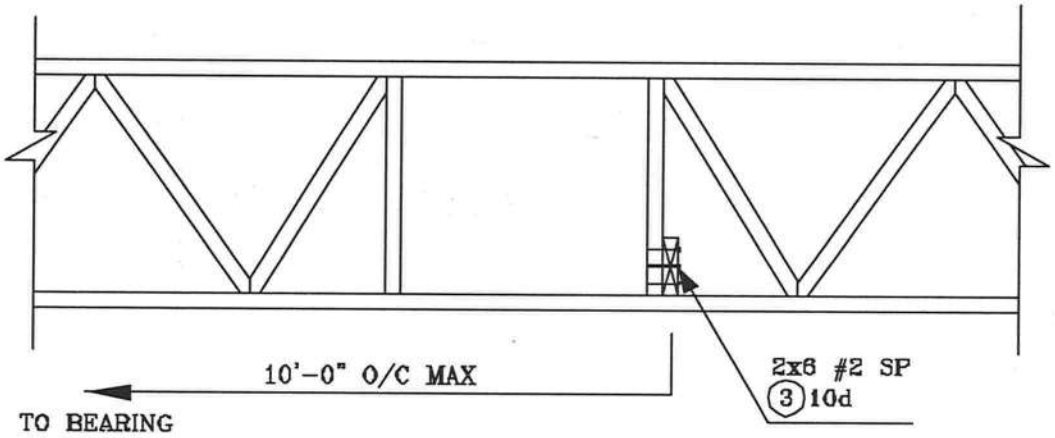
DELRAY BEACH, FL 33444-2161

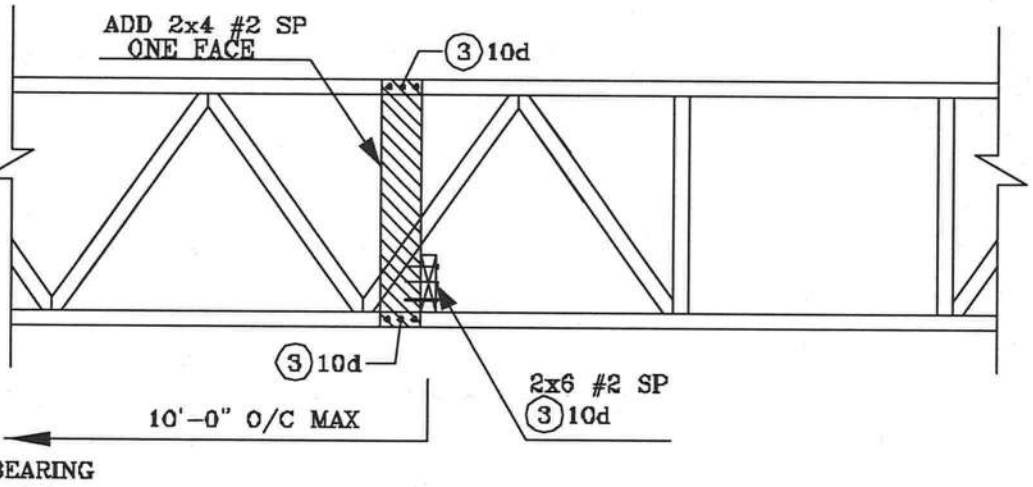
No: 34869
STATE OF FLORIDA

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

STRONG BACK DETAIL
SYSTEM–42 OR FLAT TRUSS



ALTERNATE DETAIL FOR
STRONG BACK WITH VERTICAL
NOT LINING UP



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

JULIUS LEE
LICENSE
NO. 34869
STATE OF
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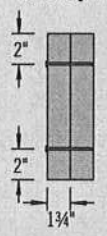
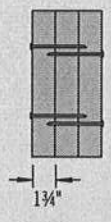
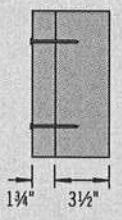
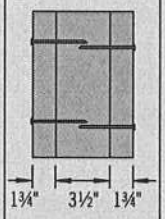
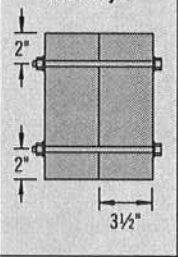
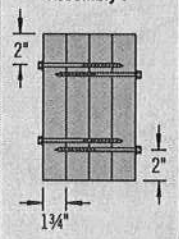
PROFESSIONAL ENGINEER

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

No: 34869
STATE OF FLORIDA

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.

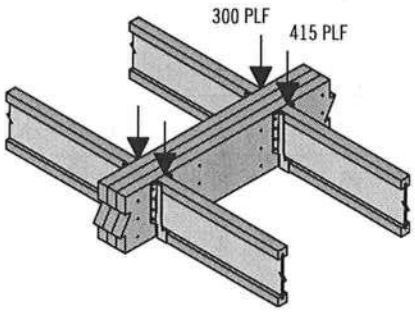
(3) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

(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.

TRULOX CONNECTION DETAIL

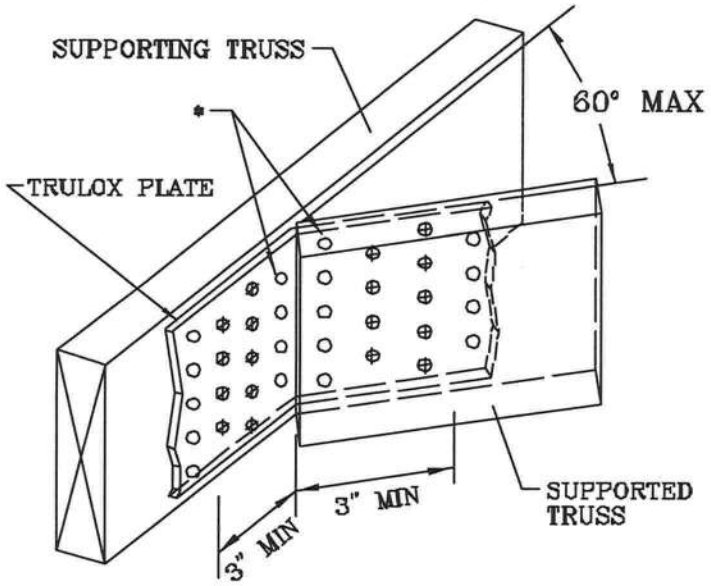
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

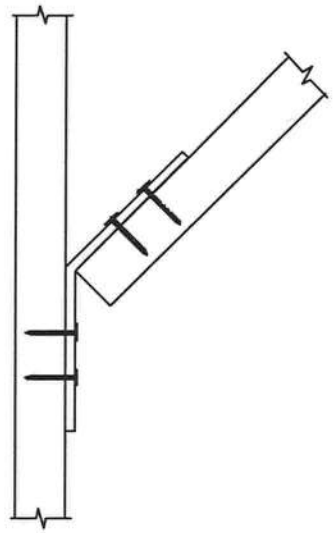
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

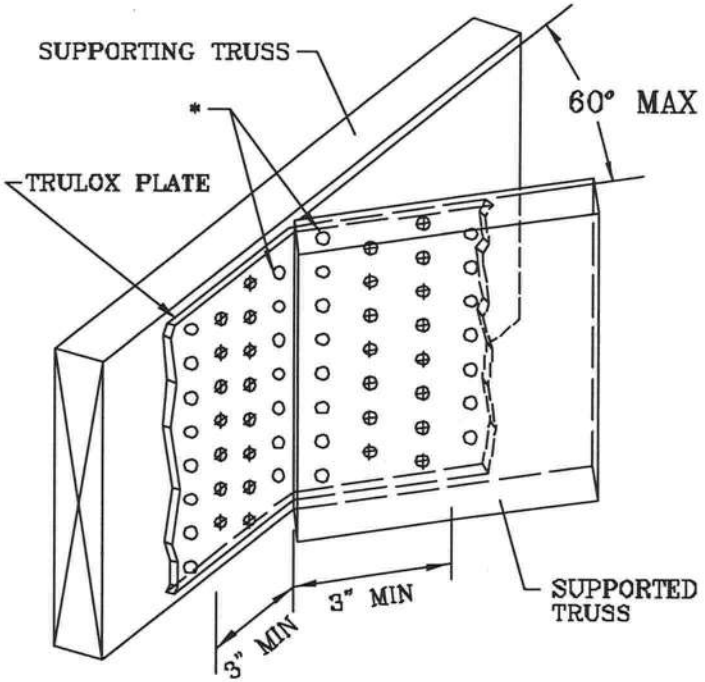
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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

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1455 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
-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."

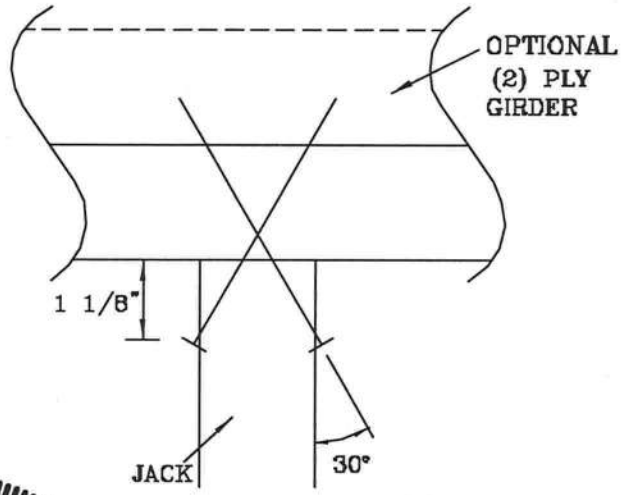
THE NUMBER OF TOE–NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

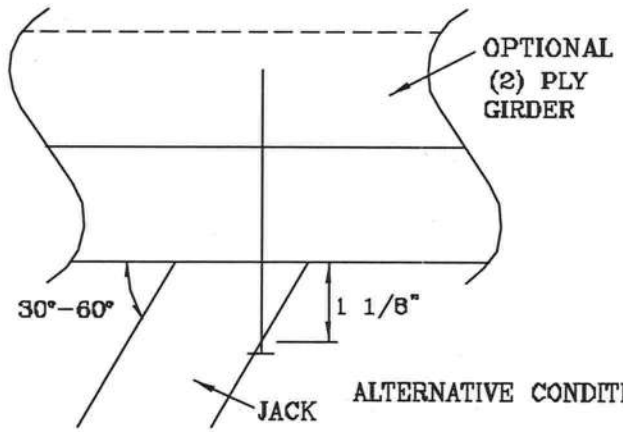
THIS DETAIL DISPLAYS A TOE–NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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

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

JULIUS LEE'S
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1450 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			

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.

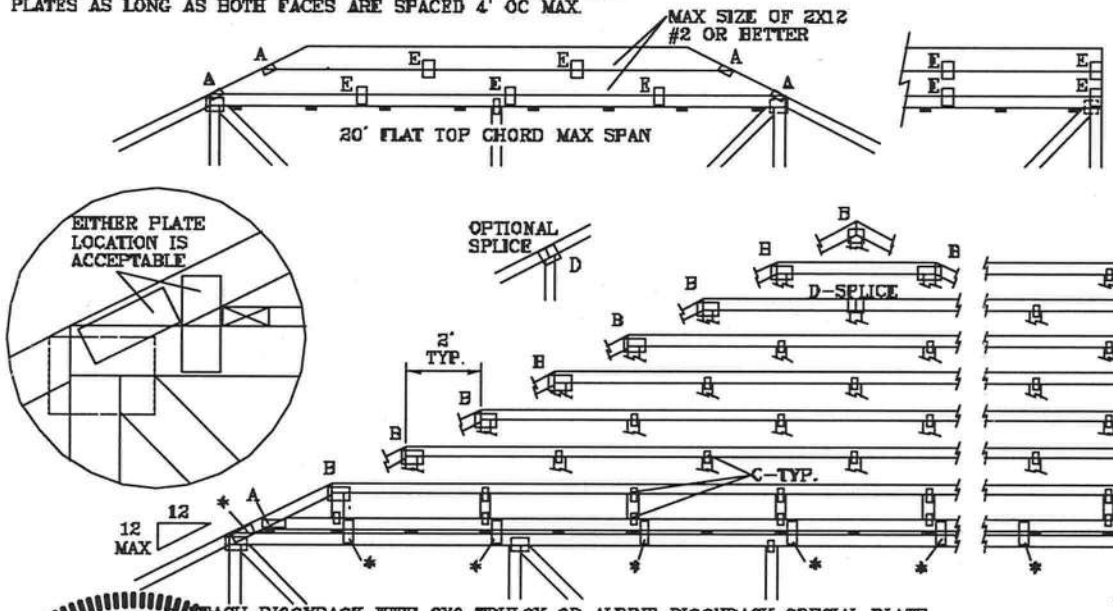
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

- 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=6 PSF, WIND BC DL=6 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	5X6	5X5	5X6
E	4X8 OR 3X8 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

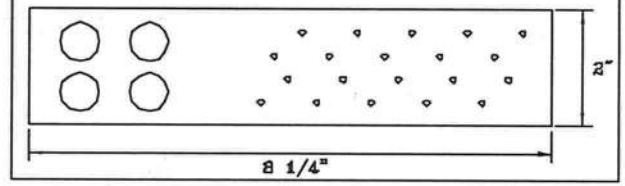


ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 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

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No: 34869
STATE OF FLORIDA

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

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

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

MAX GABLE VERTICAL LENGTH

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

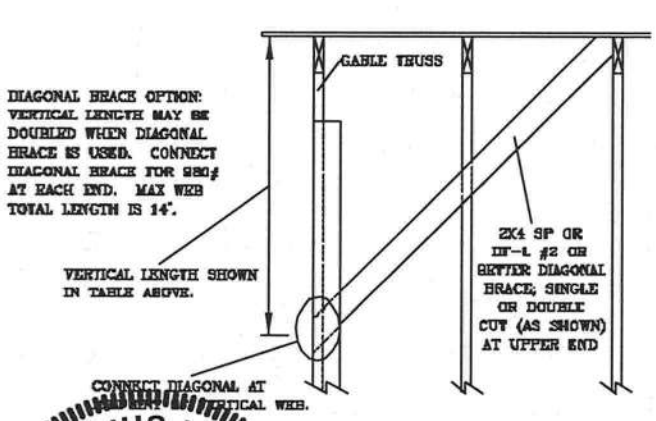
LIVE LOAD DEFLECTION CRITERIA IS L/240.

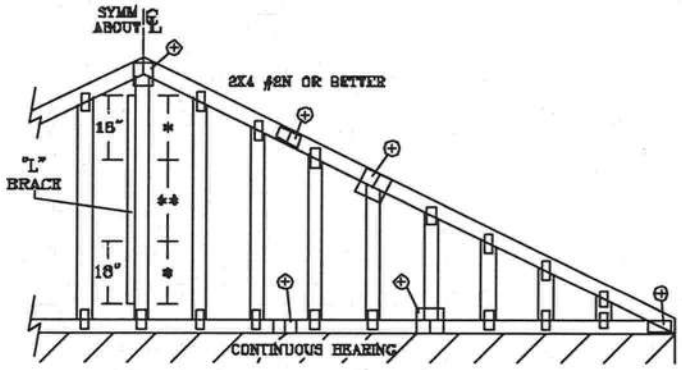
PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (6 PSF TC DEAD LOAD).

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

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

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





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES

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

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

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 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"

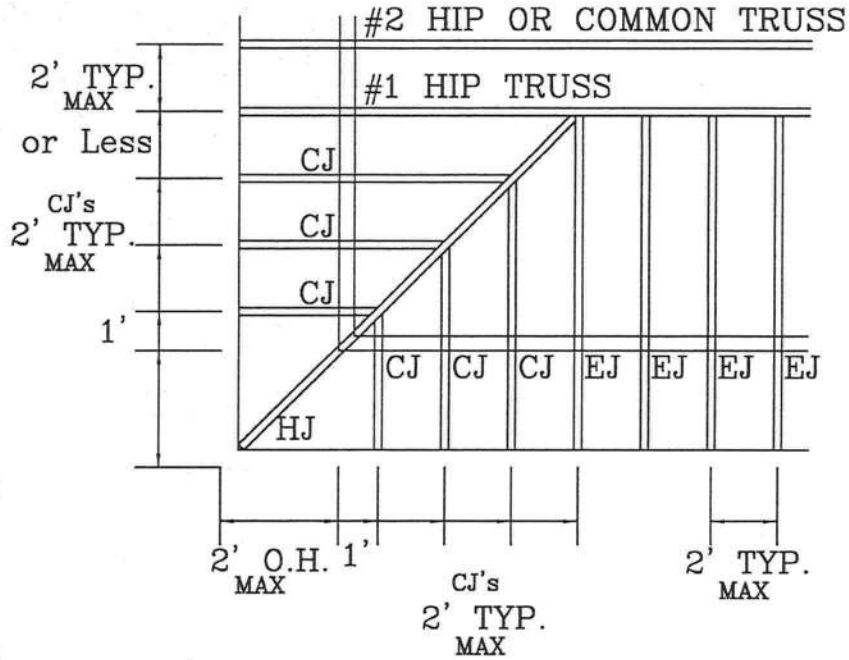
REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MYERS STD GABLE 30' E HT
-ENG

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

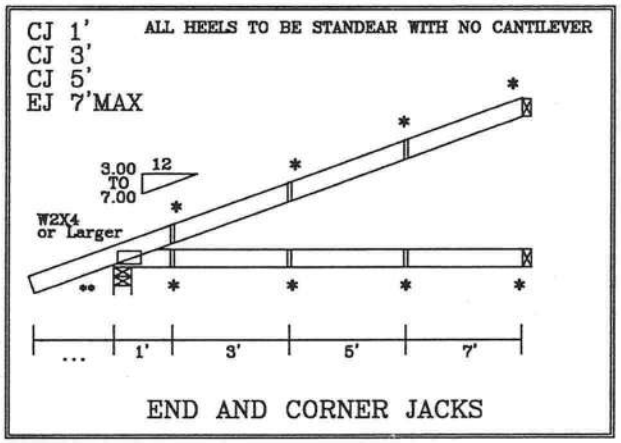
Setback 7' or Less

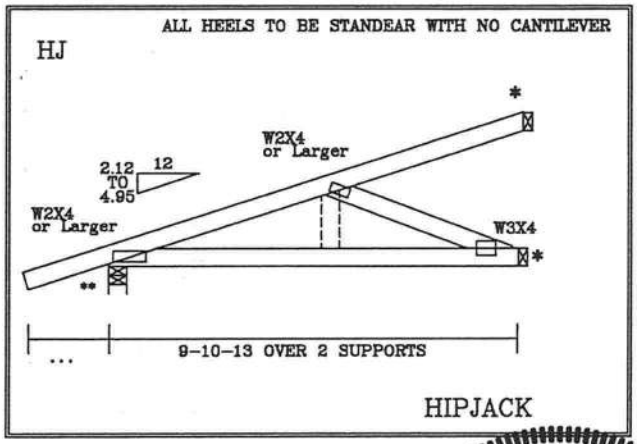


PROVIDE UPLIFT CONNECTIONS AT BEARINGS AS INDICATED.
UPLIFT: 400# or Less
BRG LOC: *
UPLIFT BASED ON 7.2 PSF TOTAL DEAD LOAD. WIND SPEED=120 "C" MPH. MEAN HGT=28 FT. ENCLOSED. (ASCE 7-02)

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)





* (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) ASTM A653 GRADE 40/60 (W,K/H,S) GAL'V. 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 (D) 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 33444-2181
NO. 34869
STATE OF FLORIDA
PROFESSIONAL ENGINEER

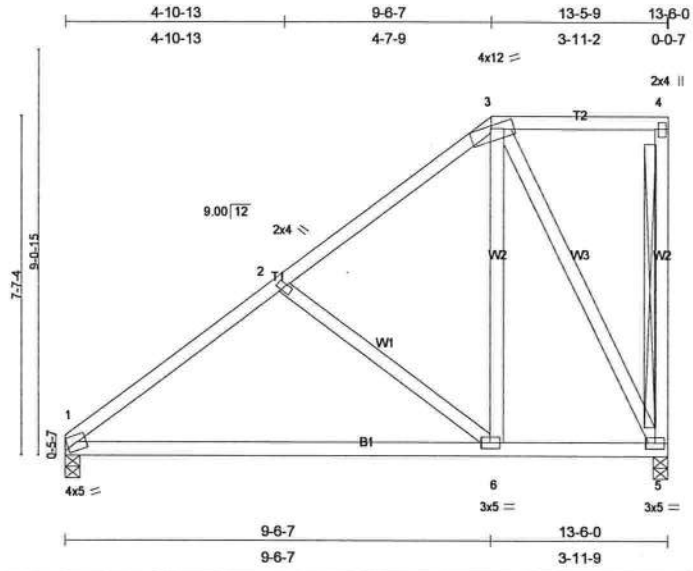
SHINGLE			
TC	LL	20	MAX PSF
TC	DL	7	MAX PSF
BC	LL	10*	MAX PSF
BC	DL	5	MAX PSF
TILE			
TC	LL	20	MAX PSF
TC	DL	20	MAX PSF
BC	LL	10*	MAX PSF
BC	DL	5	MAX PSF
DUR. FAC.		1.25	
SPACING		2'	MAX

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

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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T39	CAL. DUAL PITCH	1	1	294475063
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue Feb 03 14:00:15 2009 Page 1



Scale = 1:49.7
Camber = 1/8 in

Plate Offsets (X,Y): [1:0-1-3,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.16	1-6	>978	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.30	1-6	>531	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 1=422/0-4-0, 5=422/0-4-0
Max Horz 1=234(load case 6)
Max Uplift1=-45(load case 6), 5=-143(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-501/126, 2-3=-302/83, 3-4=-4/3, 4-5=-85/63
BOT CHORD 1-6=-340/356, 5-6=-138/180
WEBS 2-6=-226/257, 3-6=-111/320, 3-5=-382/290

JOINT STRESS INDEX
1 = 0.84, 2 = 0.15, 3 = 0.51, 4 = 0.20, 5 = 0.19 and 6 = 0.24

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1 and 143 lb uplift at joint 5.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T37	MONO HIP	1	1	294475061
					Job Reference (optional)

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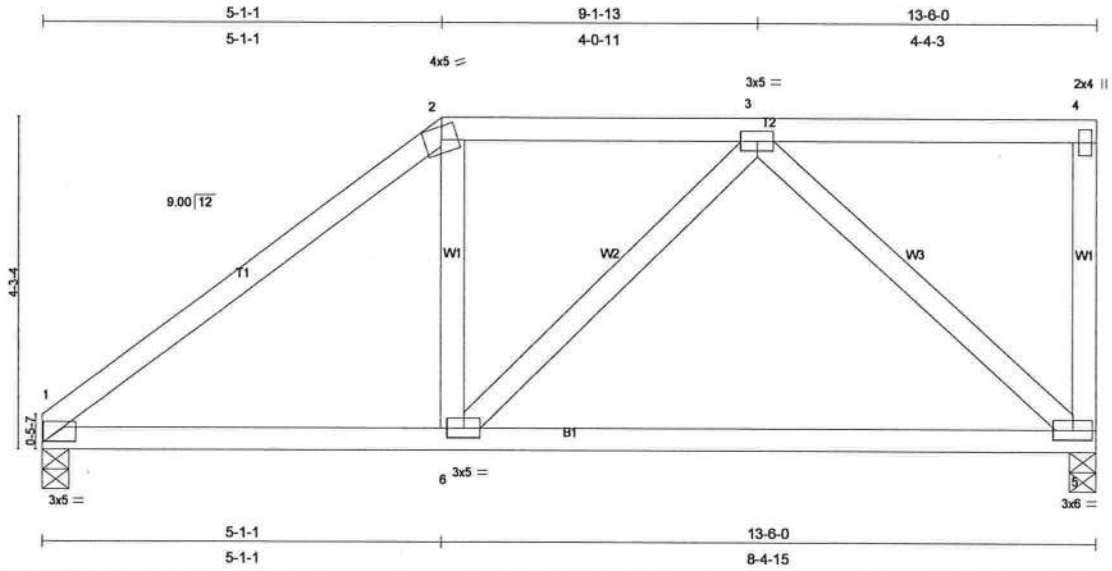

Plate Offsets (X,Y): [1:0-5-2,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.08	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.14	5-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 69 lb	

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

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

REACTIONS (lb/size) 1=422/0-4-0, 5=422/0-4-0
Max Horz 1=128(load case 6)
Max Uplift1=-67(load case 6), 5=-121(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-550/232, 2-3=-370/262, 3-4=-41/3, 4-5=-109/87
BOT CHORD 1-6=-265/368, 5-6=-225/314
WEBS 2-6=-6/141, 3-6=-53/129, 3-5=-398/306

JOINT STRESS INDEX
1 = 0.66, 2 = 0.70, 3 = 0.17, 4 = 0.54, 5 = 0.56 and 6 = 0.11

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 1 and 121 lb uplift at joint 5.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T35G	GABLE	1	1	294475059
					Job Reference (optional)

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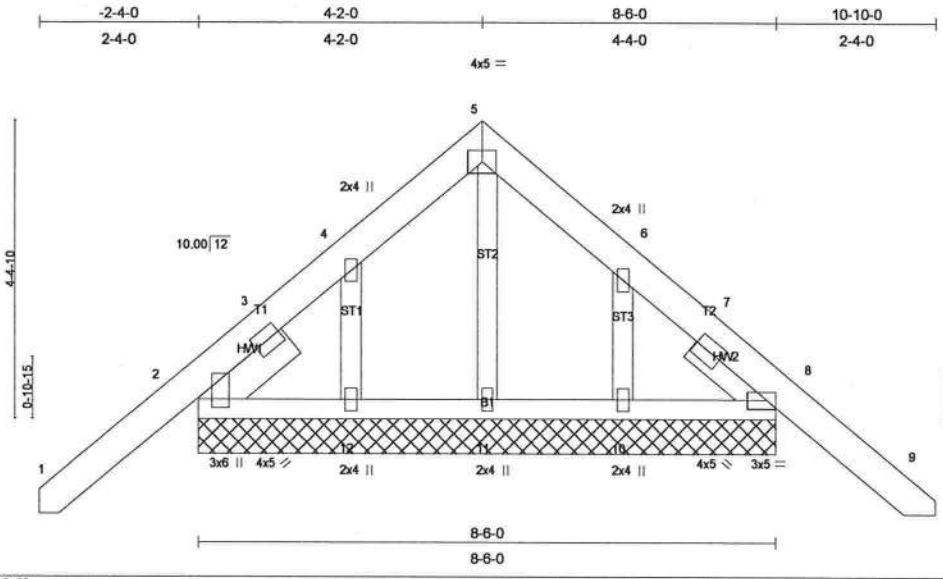

Plate Offsets (X,Y): [2:0-1-12,0-2-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.01	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	9	n/r	90		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 70 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 1-7-3, Right 2 X 4 SYP No.3 1-4-4

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

REACTIONS (lb/size) 2=267/8-6-0, 8=254/8-6-0, 11=120/8-6-0, 12=61/8-6-0, 10=74/8-6-0
Max Horz 2=-145(load case 4)
Max Uplift2=-215(load case 6), 8=-243(load case 7), 12=-81(load case 5), 10=-64(load case 4)
Max Grav 2=267(load case 1), 8=254(load case 1), 11=120(load case 1), 12=107(load case 4), 10=88(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-115/111, 3-4=-81/116, 4-5=-45/123, 5-6=-46/112, 6-7=-55/70, 7-8=-103/68, 8-9=0/64
BOT CHORD 2-12=-6/154, 11-12=-6/154, 10-11=-6/154, 8-10=-5/154
WEBS 5-11=-96/8, 4-12=-89/94, 6-10=-69/79

JOINT STRESS INDEX
2 = 0.46, 2 = 0.09, 3 = 0.00, 4 = 0.05, 5 = 0.22, 6 = 0.04, 7 = 0.00, 8 = 0.67, 8 = 0.09, 10 = 0.04, 11 = 0.03 and 12 = 0.05

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 2, 243 lb uplift at joint 8, 81 lb uplift at joint 12 and 64 lb uplift at joint 10.
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T34	HIP	1	1	294475057
					Job Reference (optional)

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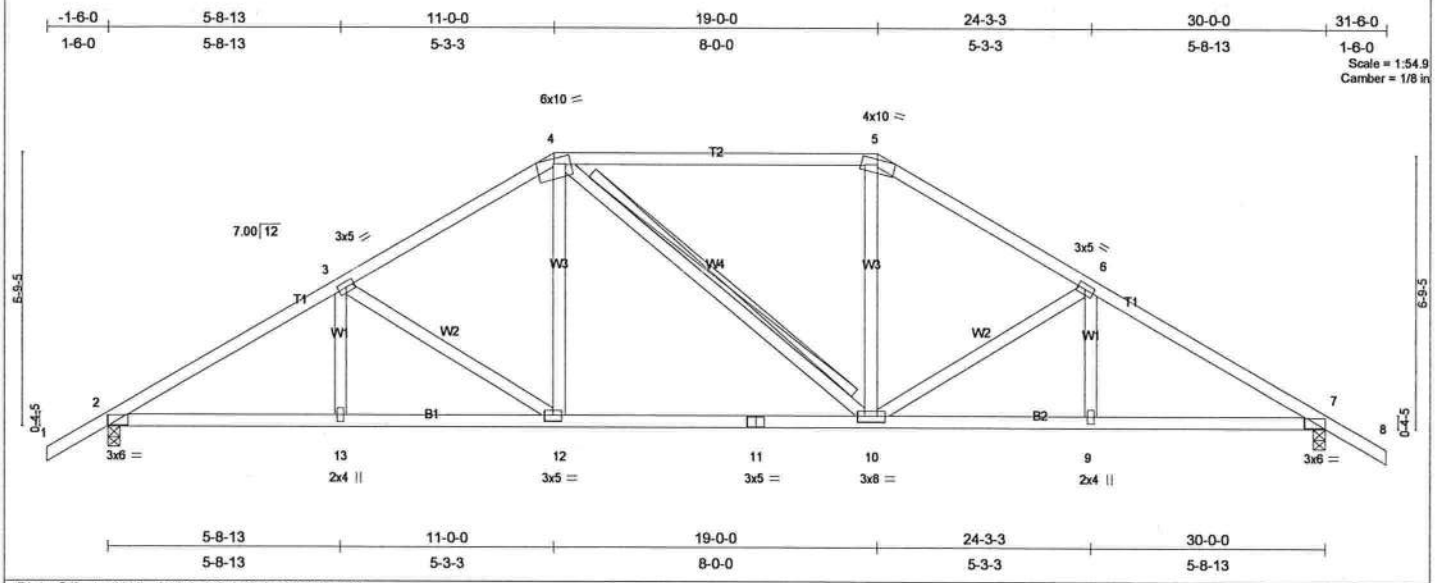

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [7:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.29	10-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.20	10-12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.38	Horz(TL)	-0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-15 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-10
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.

REACTIONS (lb/size) 2=1040/0-3-8, 7=1040/0-3-8
Max Horz 2=178(load case 5)
Max Uplift2=-628(load case 6), 7=-628(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1584/1828, 3-4=-1263/1538, 4-5=-1044/1402, 5-6=-1263/1538, 6-7=-1584/1827, 7-8=0/40
BOT CHORD 2-13=-1427/1287, 12-13=-1427/1287, 11-12=-1065/1044, 10-11=-1065/1044, 9-10=-1426/1287, 7-9=-1426/1287
WEBS 3-13=-217/160, 3-12=-294/440, 4-12=-514/321, 4-10=-131/131, 5-10=-514/321, 6-10=-294/440, 6-9=-217/160

JOINT STRESS INDEX
2 = 0.70, 3 = 0.49, 4 = 0.85, 5 = 0.86, 6 = 0.49, 7 = 0.70, 9 = 0.34, 10 = 0.57, 11 = 0.49, 12 = 0.40 and 13 = 0.34

NOTES (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 628 lb uplift at joint 2 and 628 lb uplift at joint 7.
7) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T32	HIP	1	1	294475055
					Job Reference (optional)

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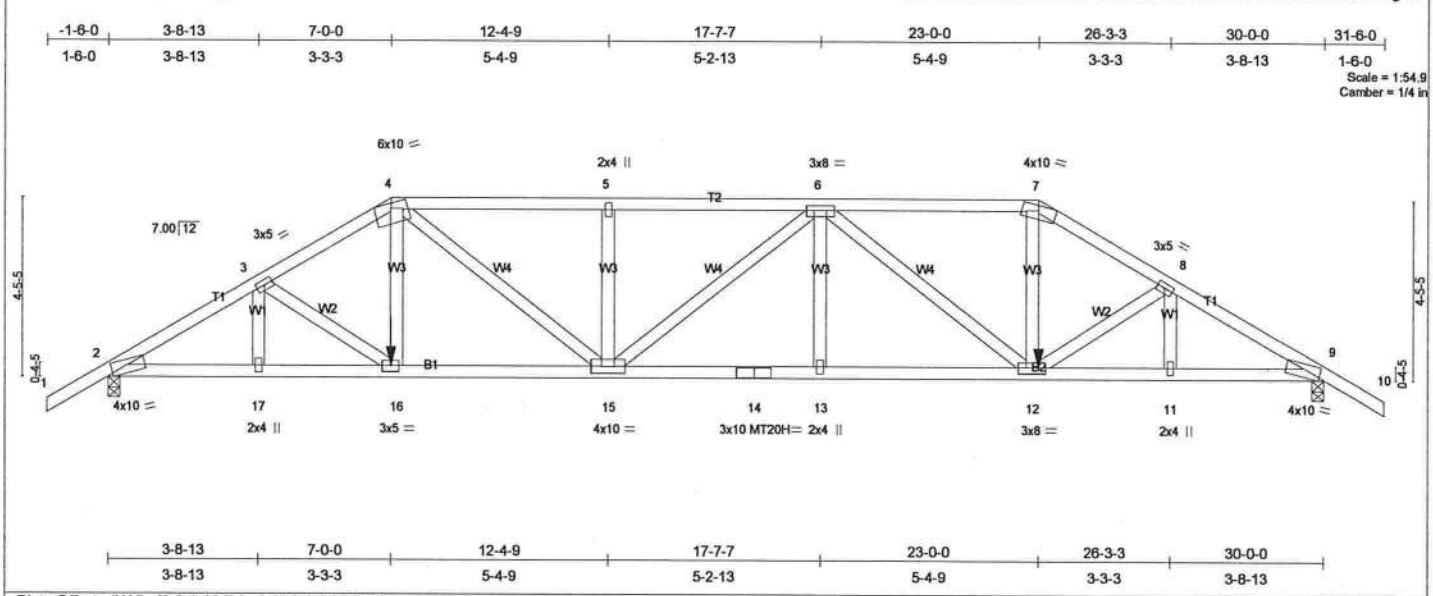

Plate Offsets (X,Y): [2:0-1-10,Edge], [9:0-1-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	0.34	13-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.46	13-15	>777	240	MT20H	187/143
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.17	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 166 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-11-11 oc bracing.

REACTIONS (lb/size) 2=2072/0-3-8, 9=2072/0-3-8
Max Horz 2=-114(load case 3)
Max Uplift2=-1281(load case 4), 9=-1281(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-3534/2244, 3-4=-3435/2209, 4-5=-3963/2591, 5-6=-3962/2591, 6-7=-3008/1976, 7-8=-3436/2209, 8-9=-3532/2245, 9-10=0/40
BOT CHORD 2-17=-1966/2949, 16-17=-1966/2949, 15-16=-1947/2980, 14-15=-2542/3962, 13-14=-2542/3962, 12-13=-2542/3962, 11-12=-1852/2947, 9-11=-1852/2947
WEBS 3-17=-68/76, 3-16=-105/138, 4-16=-349/504, 4-15=-900/1294, 5-15=-645/436, 6-15=-47/48, 6-13=-83/224, 6-12=-1273/885, 7-12=-835/1259, 8-12=-107/141, 8-11=-69/76

JOINT STRESS INDEX
2 = 0.82, 3 = 0.49, 4 = 0.87, 5 = 0.34, 6 = 0.67, 7 = 0.86, 8 = 0.49, 9 = 0.82, 11 = 0.34, 12 = 0.67, 13 = 0.34, 14 = 0.86, 15 = 0.63, 16 = 0.40 and 17 = 0.34

NOTES (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch left and right exposed; 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) All plates are MT20 plates unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1281 lb uplift at joint 2 and 1281 lb uplift at joint 9.
8) Girder carries hip end with 7-0-0 end setback.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 411 lb down and 232 lb up at 23-0-0, and 411 lb down and 232 lb up at 7-0-0 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) 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: 1-4=-54, 4-7=-120(F=-66), 7-10=-54, 2-16=-10, 12-16=-22(F=-12), 9-12=-10
Concentrated Loads (lb)
Vert: 16=-411(F) 12=-411(F)

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T30	SPECIAL	1	1	294475053
					Job Reference (optional)

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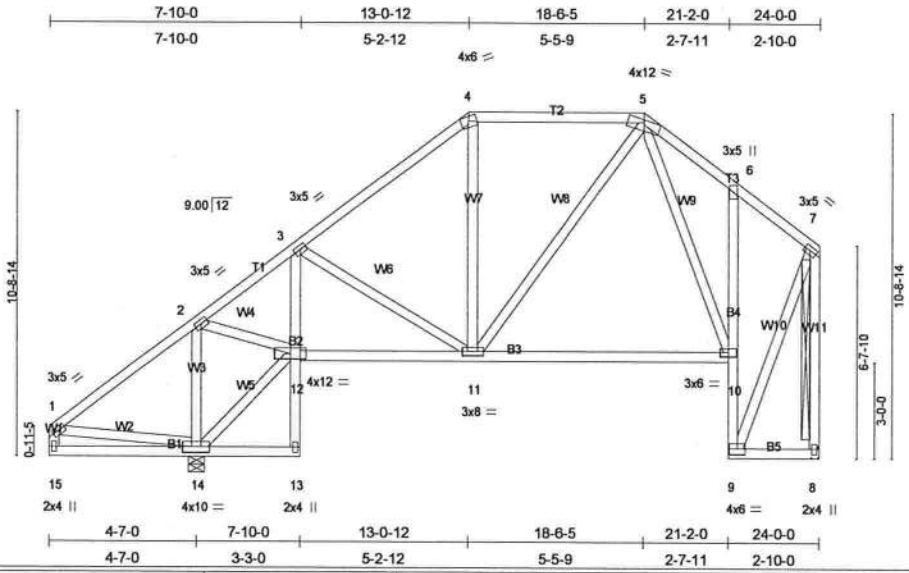

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.13	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.27	10-11	>866	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.37	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 186 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=584/Mechanical, 14=933/0-6-0
Max Horz 14=262(load case 5)
Max Uplift8=-124(load case 6), 14=-168(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-67/242, 2-3=-469/428, 3-4=-554/372, 4-5=-376/376, 5-6=-293/292, 6-7=-286/178, 7-8=-663/375
BOT CHORD 14-15=0/0, 13-14=-13/7, 12-13=0/27, 3-12=-261/76, 11-12=-403/347, 10-11=-136/298, 9-10=-303/177, 6-10=-86/136, 8-9=-3/4
WEBS 3-11=-120/236, 4-11=-56/120, 5-11=-146/169, 5-10=-228/182, 7-9=-229/438, 2-14=-734/524, 12-14=-275/116, 2-12=-256/480, 1-15=0/53, 1-14=-128/110

JOINT STRESS INDEX
1 = 0.52, 2 = 0.52, 3 = 0.56, 4 = 0.57, 5 = 0.50, 6 = 0.61, 7 = 0.52, 8 = 0.34, 9 = 0.74, 10 = 0.77, 11 = 0.58, 12 = 0.30, 13 = 0.34, 14 = 0.31 and 15 = 0.34

NOTES (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 8 and 168 lb uplift at joint 14.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
9) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T28	SPECIAL	2	1	294475051
					Job Reference (optional)

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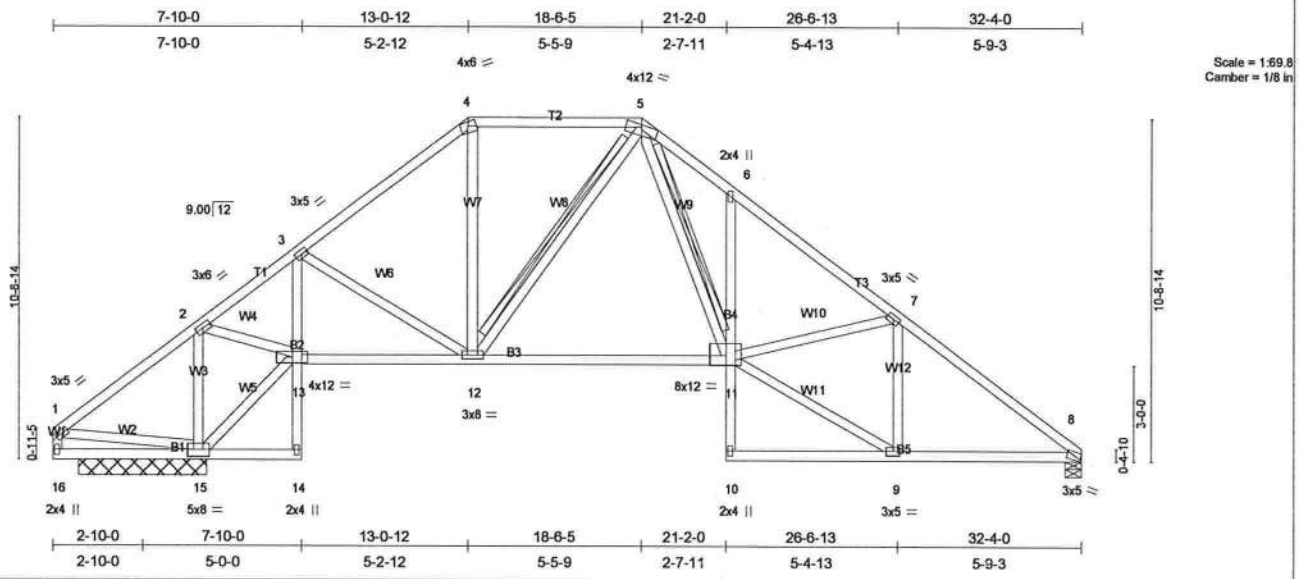

Plate Offsets (X,Y): [8:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.31	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.21	11-12	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	-0.14	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 217 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 5-10-4 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-12, 5-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=857/0-6-0, 15=1187/4-0-0
Max Horz 15=326(load case 6)
Max Uplift8=-526(load case 4), 15=-560(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-63/242, 2-3=-759/1328, 3-4=-912/1250, 4-5=-667/1088, 5-6=-1346/1912, 6-7=-1410/1744, 7-8=-1233/1441
BOT CHORD 15-16=0/0, 14-15=-182/7, 13-14=-85/26, 3-13=-333/162, 12-13=-1042/582, 11-12=-900/780, 10-11=-77/67, 6-11=-182/235, 9-10=-12/111, 8-9=-1034/901
WEBS 3-12=-124/256, 4-12=-526/267, 5-12=-256/188, 5-11=-1173/763, 9-11=-1319/1037, 7-11=-99/157, 7-9=-436/387, 2-15=-987/1306, 13-15=-297/240, 2-13=-1012/722, 1-16=0/52, 1-15=-127/107

JOINT STRESS INDEX
1 = 0.52, 2 = 0.79, 3 = 0.62, 4 = 0.65, 5 = 0.63, 6 = 0.40, 7 = 0.52, 8 = 0.73, 9 = 0.69, 10 = 0.36, 11 = 0.46, 12 = 0.58, 13 = 0.34, 14 = 0.64, 15 = 0.31 and 16 = 0.34

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 526 lb uplift at joint 8 and 560 lb uplift at joint 15.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
8) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T26G	GABLE	1	1	294475049
					Job Reference (optional)

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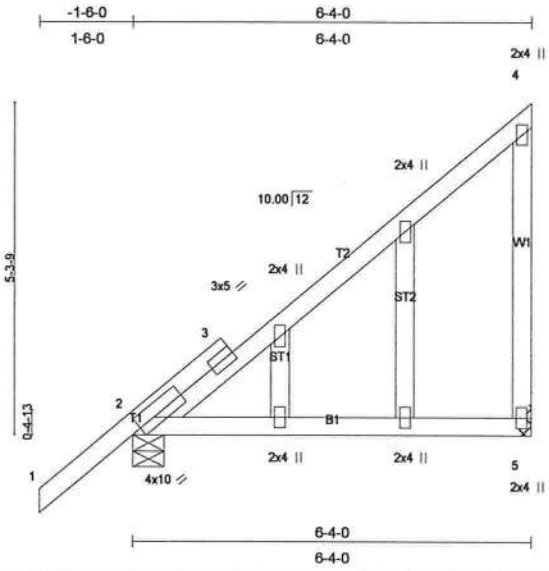

Plate Offsets (X,Y): [2:0-3-4,0-2-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.18	2-5	>395	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.10	2-5	>702	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 41 lb	

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

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

REACTIONS (lb/size) 2=298/0-6-0, 5=176/Mechanical
Max Horz 2=300(load case 6)
Max Uplift2=-198(load case 6), 5=-238(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-163/8, 3-4=-140/73
BOT CHORD 2-5=0/0
WEBS 4-5=-146/197

JOINT STRESS INDEX
2 = 0.19, 3 = 0.00, 3 = 0.37, 4 = 0.10, 5 = 0.11, 6 = 0.00, 7 = 0.00, 8 = 0.00 and 9 = 0.00

NOTES (7)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Gable studs spaced at 2-0-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 2 and 238 lb uplift at joint 5.
7) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T25	MONO HIP	1	1	294475047
					Job Reference (optional)

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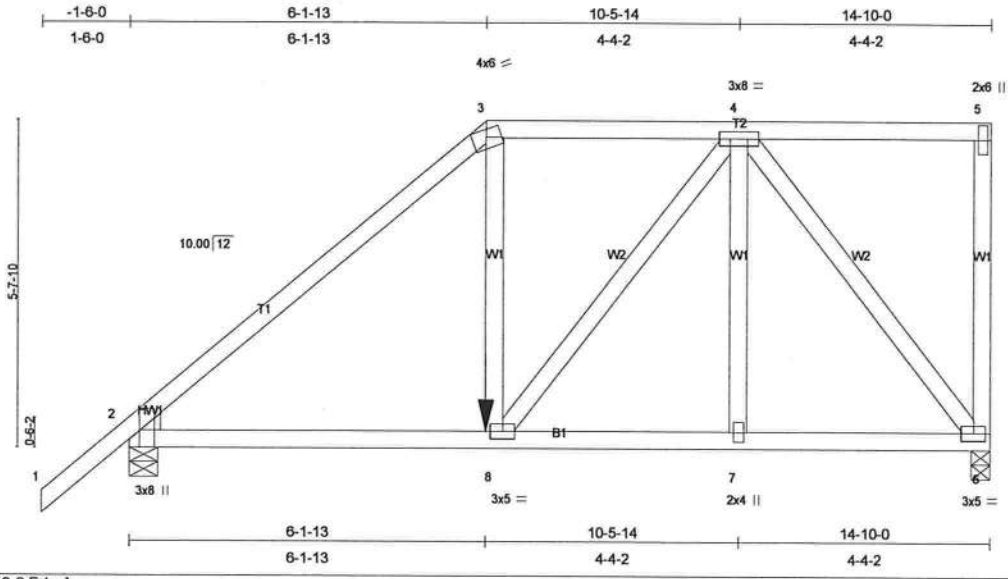

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.10	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.21	2-8	>837	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 92 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
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7-12 oc bracing.

REACTIONS (lb/size) 6=1170/0-4-0, 2=1325/0-6-0
Max Horz 2=227(load case 5)
Max Uplift6=-605(load case 4), 2=-560(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1363/596, 3-4=-981/504, 4-5=-28/13, 5-6=-228/159
BOT CHORD 2-8=-501/968, 7-8=-374/715, 6-7=-374/715
WEBS 3-8=-219/403, 4-8=-252/427, 4-7=0/147, 4-6=-1113/585

JOINT STRESS INDEX
2 = 0.77, 2 = 0.00, 3 = 0.70, 4 = 0.57, 5 = 0.53, 6 = 0.53, 7 = 0.11 and 8 = 0.31

NOTES (10)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 605 lb uplift at joint 6 and 560 lb uplift at joint 2.
6) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 6-1-13
7) Girder carries hip end with 0-0-0 right side setback, 6-1-13 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 361 lb down and 251 lb up at 6-1-13 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) 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: 1-3=-54, 3-5=-120(F=-66), 2-8=-85(F=-75), 6-8=-22(F=-12)
Concentrated Loads (lb)
Vert: 8=-361(F)

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T23	MONO HIP	1	1	294475045
					Job Reference (optional)

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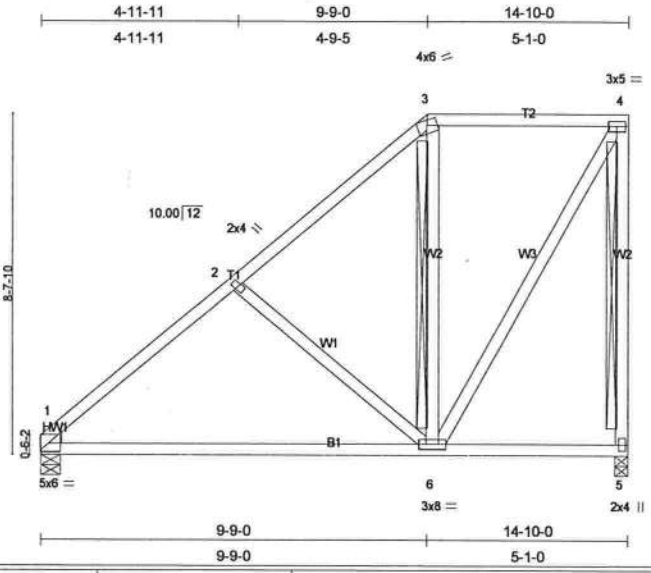

Scale = 1:56.2
Camber = 1/8 in

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.17	1-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.32	1-6	>545	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.50	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 96 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
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-5, 3-6
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=462/0-4-0, 1=462/0-6-0
Max Horz 1=268(load case 6)
Max Uplift5=-157(load case 6), 1=-41(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-529/122, 2-3=-347/109, 3-4=-199/160, 4-5=-451/356
BOT CHORD 1-6=-365/355, 5-6=-5/7
WEBS 2-6=-202/264, 3-6=-112/148, 4-6=-313/384

JOINT STRESS INDEX
1 = 0.64, 1 = 0.00, 2 = 0.15, 3 = 0.56, 4 = 0.41, 5 = 0.23 and 6 = 0.42

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 5 and 41 lb uplift at joint 1.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T21	MONO HIP	1	1	294475043
					Job Reference (optional)

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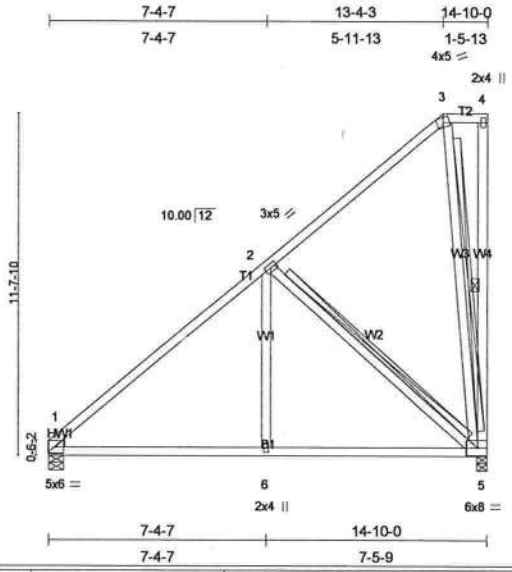

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.31	Vert(LL)	0.11	1-6	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.12	1-6	>999	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 107 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W4 2 X 4 SYP No.1D, W3 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5
T-Brace: 2 X 4 SYP No.3 - 2-5, 3-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=462/0-4-0, 1=462/0-6-0
Max Horz 1=364(load case 6)
Max Uplift5=-256(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-538/0, 2-3=-155/53, 3-4=-7/0, 4-5=-72/36
BOT CHORD 1-6=-315/316, 5-6=-315/316
WEBS 2-6=0/255, 2-5=-380/377, 3-5=-225/278

JOINT STRESS INDEX
1 = 0.61, 1 = 0.00, 2 = 0.24, 3 = 0.49, 4 = 0.24, 5 = 0.12 and 6 = 0.19

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 256 lb uplift at joint 5.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T19	MONO TRUSS	2	1	294475041
					Job Reference (optional)

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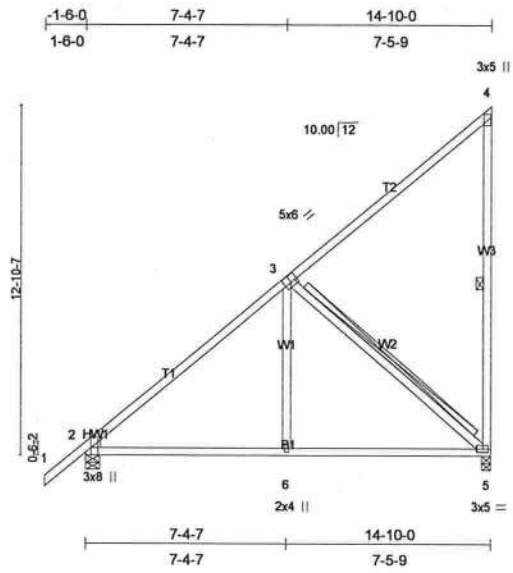

Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.06	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.10	2-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 96 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W3 2 X 4 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5
T-Brace: 2 X 4 SYP No.3 - 3-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=456/0-4-0, 2=562/0-6-0
Max Horz 2=453(load case 6)
Max Uplift5=-293(load case 6), 2=-37(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-530/0, 3-4=-158/93, 4-5=-161/201
BOT CHORD 2-6=-309/311, 5-6=-309/310
WEBS 3-6=0/252, 3-5=-395/394

JOINT STRESS INDEX
2 = 0.51, 2 = 0.00, 3 = 0.54, 4 = 0.57, 5 = 0.38 and 6 = 0.18

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 5 and 37 lb uplift at joint 2.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T17	SPECIAL	1	1	294475039
					Job Reference (optional)

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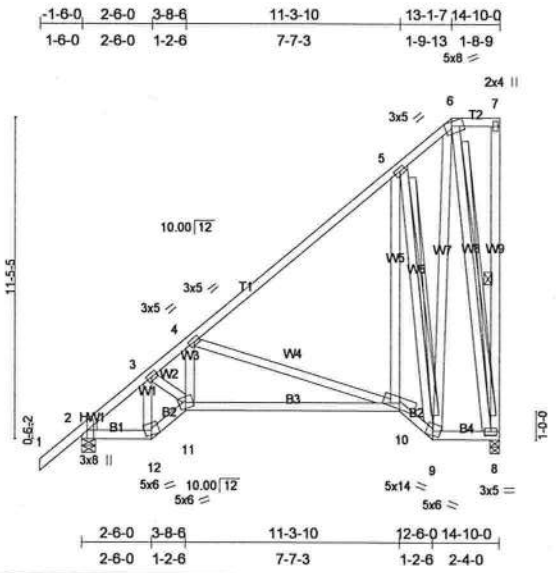

Plate Offsets (X,Y): [2:0-3-8,Edge], [6:0-2-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.07	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.14	10-11	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 150 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2, W7 2 X 4 SYP No.2, W8 2 X 4 SYP No.2
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-11-9 oc bracing.
WEBS 1 Row at midpt 7-8
T-Brace: 2 X 4 SYP No.3 - 5-9, 6-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=456/0-4-0, 2=562/0-6-0
Max Horz 2=412(load case 6)
Max Uplift8=-242(load case 6), 2=-69(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-550/0, 3-4=-714/192, 4-5=-344/0, 5-6=-217/158, 6-7=-2/2, 7-8=-65/63
BOT CHORD 2-12=-372/332, 11-12=-444/437, 10-11=-624/610, 9-10=-183/229, 8-9=-52/56
WEBS 3-12=-298/290, 3-11=-355/395, 4-11=-18/264, 4-10=-466/487, 5-10=-208/410, 5-9=-631/604, 6-9=-502/495, 6-8=-385/358

JOINT STRESS INDEX
2 = 0.31, 2 = 0.00, 3 = 0.27, 4 = 0.25, 5 = 0.39, 6 = 0.38, 7 = 0.13, 8 = 0.22, 9 = 0.34, 10 = 0.57, 11 = 0.75 and 12 = 0.16

NOTES (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 242 lb uplift at joint 8 and 69 lb uplift at joint 2.
7) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T15	SPECIAL	1	1	294475037
					Job Reference (optional)

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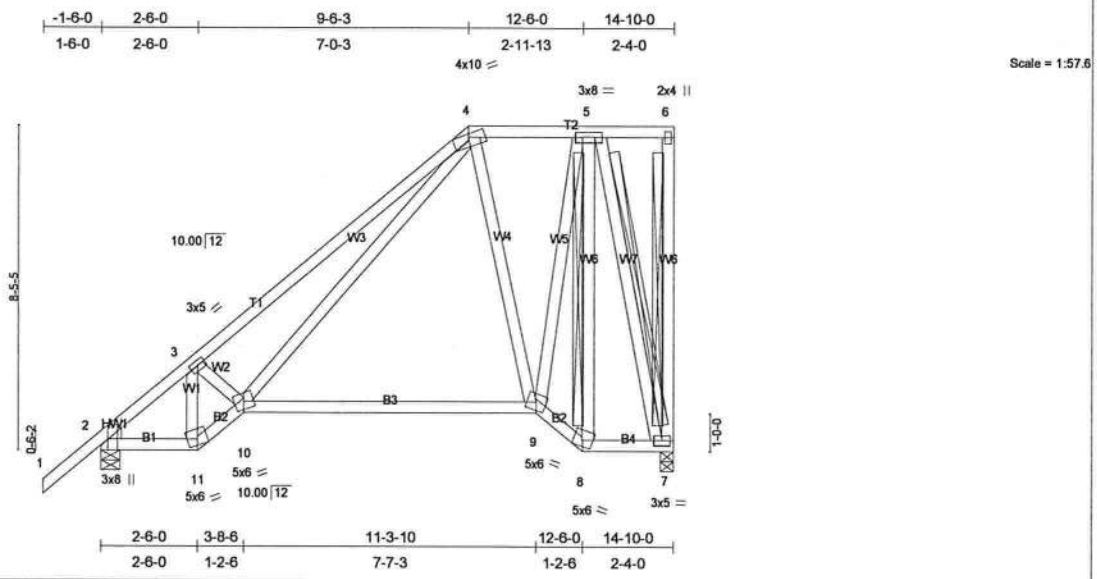

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.07	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.13	9-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 129 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
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-5-7 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7, 5-8, 5-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=456/0-4-0, 2=562/0-6-0
Max Horz 2=316(load case 6)
Max Uplift7=-150(load case 5), 2=-123(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-593/131, 3-4=-784/430, 4-5=-175/133, 5-6=-3/2, 6-7=-69/67
BOT CHORD 2-11=-455/431, 10-11=-548/555, 9-10=-213/240, 8-9=-78/166, 7-8=-72/97
WEBS 3-11=-410/412, 3-10=-31/205, 4-10=-376/425, 4-9=-267/328, 5-9=-333/426, 5-8=-116/41, 5-7=-387/287

JOINT STRESS INDEX
2 = 0.59, 2 = 0.00, 3 = 0.30, 4 = 0.62, 5 = 0.49, 6 = 0.13, 7 = 0.18, 8 = 0.05, 9 = 0.76, 10 = 0.68 and 11 = 0.25

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 7 and 123 lb uplift at joint 2.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T13	MONO HIP	1	1	294475035
					Job Reference (optional)

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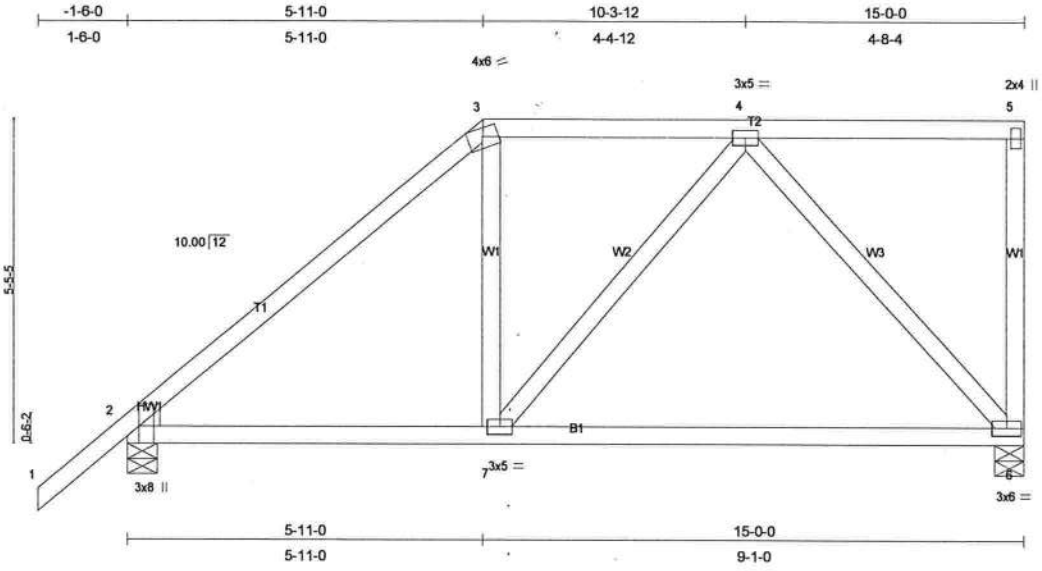

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.12	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.20	6-7	>876	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 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
WEDGE
Left: 2 X 4 SYP No.3

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

REACTIONS (lb/size) 6=462/0-6-0, 2=567/0-6-0
Max Horz 2=219(load case 6)
Max Uplift6=-138(load case 5), 2=-148(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-563/195, 3-4=-344/242, 4-5=-35/2, 5-6=-117/89
BOT CHORD 2-7=-246/343, 6-7=-200/288
WEBS 3-7=-7/147, 4-7=-68/139, 4-6=-403/299

JOINT STRESS INDEX
2 = 0.32, 2 = 0.00, 3 = 0.71, 4 = 0.17, 5 = 0.59, 6 = 0.62 and 7 = 0.11

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 6 and 148 lb uplift at joint 2.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T11	MONO TRUSS	1	1	294475033
					Job Reference (optional)

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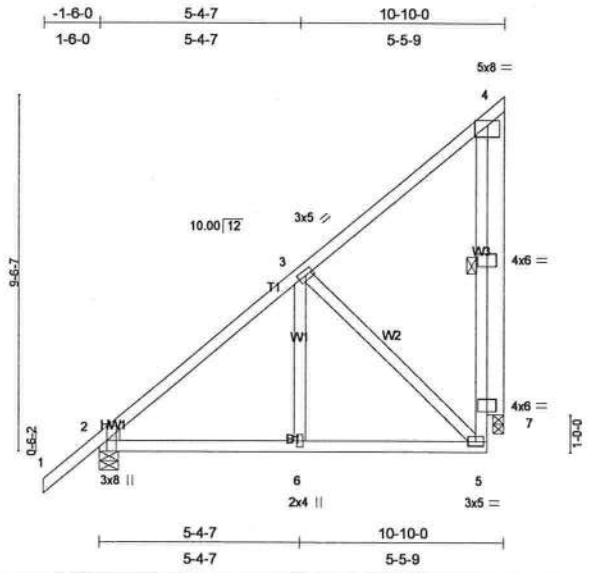

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.03	2-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D
WEDGE
Left: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5

REACTIONS (lb/size) 2=422/0-6-0, 7=319/0-3-8
Max Horz 2=337(load case 6)
Max Uplift2=-46(load case 6), 7=-208(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-352/0, 3-4=-119/69, 5-7=-175/198, 4-7=-120/158
BOT CHORD 2-6=-207/195, 5-6=-207/195
WEBS 3-6=0/169, 3-5=-254/270

JOINT STRESS INDEX
2 = 0.21, 2 = 0.00, 3 = 0.16, 4 = 0.47, 5 = 0.50, 6 = 0.12, 7 = 0.00, 7 = 0.14 and 7 = 0.14

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 2 and 208 lb uplift at joint 7.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T09	SPECIAL	3	1	294475031
					Job Reference (optional)

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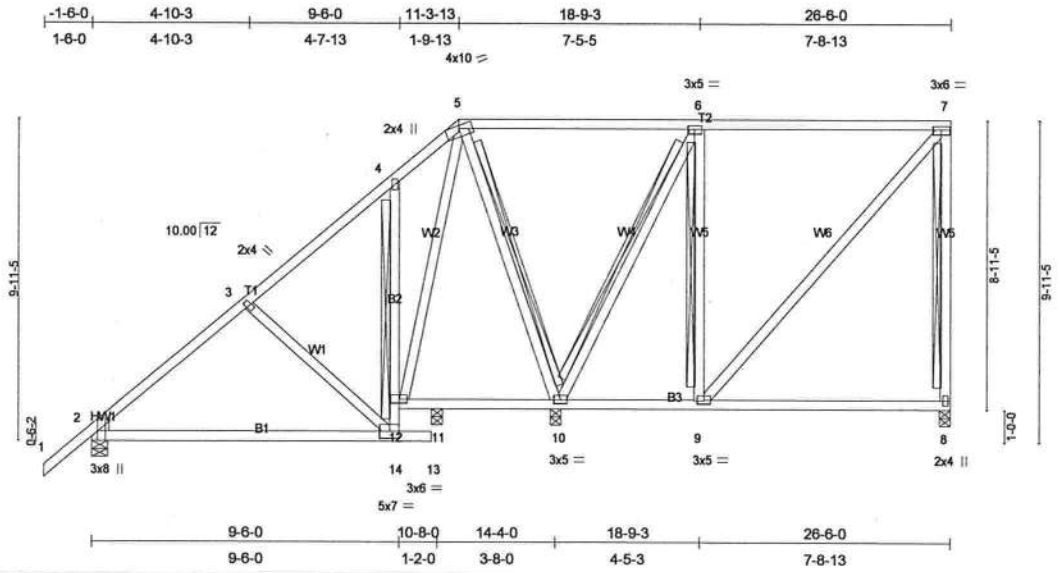

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.13	2-14	>959	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.23	2-14	>546	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	-0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 191 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 4-12
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8, 5-10, 6-10, 6-9
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c. ,with 4in minimum end distance.
Brace must cover 90% of web length.
JOINTS 1 Brace at Jt(s): 12, 7

REACTIONS (lb/size) 8=323/0-4-0, 2=474/0-6-0, 10=861/0-4-0, 11=119/0-4-0
Max Horz 2=364(load case 6)
Max Uplift8=-120(load case 4), 2=-37(load case 6), 10=-303(load case 5), 11=-69(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-414/0, 3-4=-241/0, 4-5=-195/16, 5-6=-113/99, 6-7=-138/43, 7-8=-281/141
BOT CHORD 2-14=-246/252, 13-14=0/0, 12-14=-127/228, 4-12=-89/158, 11-12=-17/109, 10-11=-17/109, 9-10=-43/138, 8-9=-10/21
WEBS 3-14=-197/243, 5-12=-179/221, 5-10=-452/387, 6-10=-460/296, 6-9=-39/91, 7-9=-55/187

JOINT STRESS INDEX
2 = 0.79, 2 = 0.00, 3 = 0.34, 4 = 0.44, 5 = 0.58, 6 = 0.46, 7 = 0.63, 8 = 0.83, 9 = 0.41, 10 = 0.45, 12 = 0.72 and 14 = 0.77

NOTES (7)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 8, 37 lb uplift at joint 2, 303 lb uplift at joint 10 and 69 lb uplift at joint 11.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
7) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T07	SPECIAL	1	1	294475029
					Job Reference (optional)

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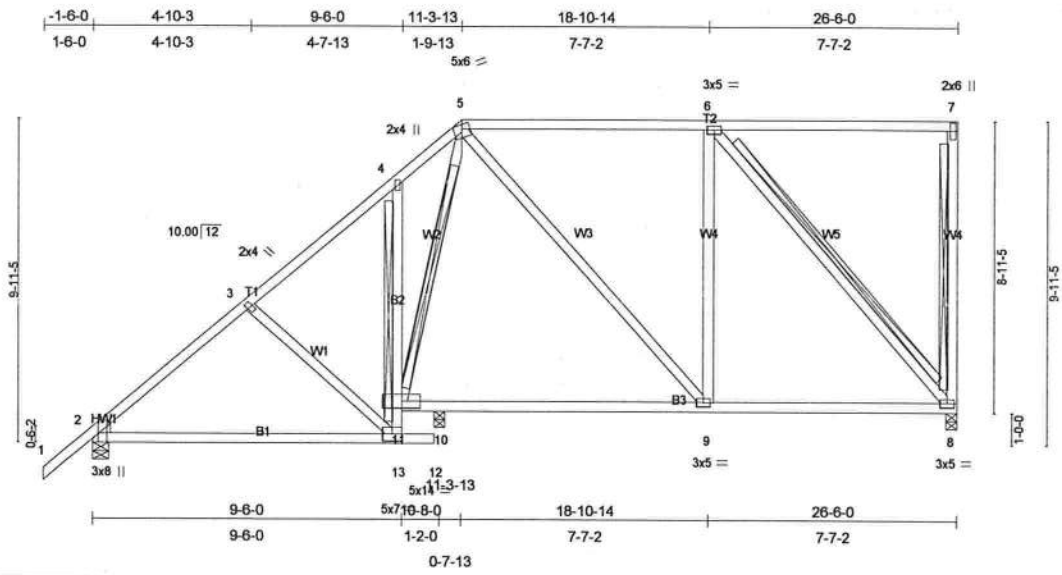

Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.13	2-13	>954	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-0.23	2-13	>555	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	-0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-9 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 4-11
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8, 6-8, 5-11
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.
JOINTS 1 Brace at Jt(s): 11

REACTIONS (lb/size) 8=680/0-4-0, 2=704/0-6-0, 10=393/0-4-0
Max Horz 2=364(load case 6)
Max Uplift8=-206(load case 4), 2=-127(load case 6), 10=-115(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-760/187, 3-4=-574/184, 4-5=-447/289, 5-6=-418/249, 6-7=-20/11, 7-8=-175/125
BOT CHORD 2-13=-453/505, 12-13=0/0, 11-13=-121/225, 4-11=-92/157, 10-11=-274/379, 9-10=-274/379, 8-9=-250/418
WEBS 3-13=-177/226, 6-9=0/195, 6-8=-610/366, 5-9=-80/71, 5-11=-80/200

JOINT STRESS INDEX
2 = 0.79, 2 = 0.00, 3 = 0.34, 4 = 0.43, 5 = 0.61, 6 = 0.41, 7 = 0.66, 8 = 0.44, 9 = 0.41, 11 = 0.76 and 13 = 0.81

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 8, 127 lb uplift at joint 2 and 115 lb uplift at joint 10.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T05	SPECIAL	1	1	294475027

Job Reference (optional)

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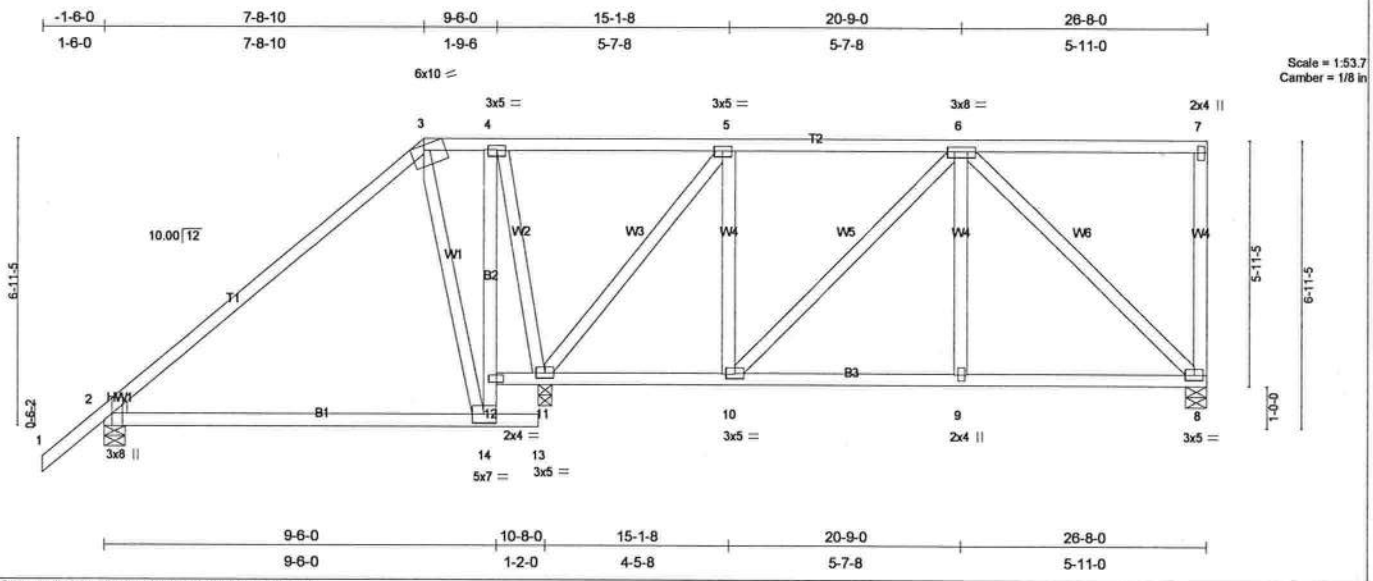

Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-3-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.13	2-14	>956	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.25	2-14	>489	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	-0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 lb	

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

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

REACTIONS (lb/size) 8=536/0-6-0, 2=476/0-6-0, 11=776/0-4-0
Max Horz 2=268(load case 6)
Max Uplift8=-157(load case 4), 2=-121(load case 6), 11=-264(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-377/36, 3-4=-195/89, 4-5=-160/41, 5-6=-374/198, 6-7=-21/11, 7-8=-142/101
BOT CHORD 2-14=-159/189, 13-14=0/0, 12-14=-307/295, 4-12=-273/260, 11-12=-97/194, 10-11=-198/374, 9-10=-202/391, 8-9=-202/391
WEBS 3-14=-205/324, 4-11=-354/255, 5-11=-481/252, 5-10=-13/129, 6-10=-23/63, 6-9=0/183, 6-8=-517/268

JOINT STRESS INDEX
2 = 0.71, 2 = 0.00, 3 = 0.99, 4 = 0.58, 5 = 0.41, 6 = 0.57, 7 = 0.82, 8 = 0.40, 9 = 0.34, 10 = 0.40, 11 = 0.43, 12 = 0.34 and 14 = 0.80

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 8, 121 lb uplift at joint 2 and 264 lb uplift at joint 11.
6) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T03G	GABLE	1	1	294475025
					Job Reference (optional)

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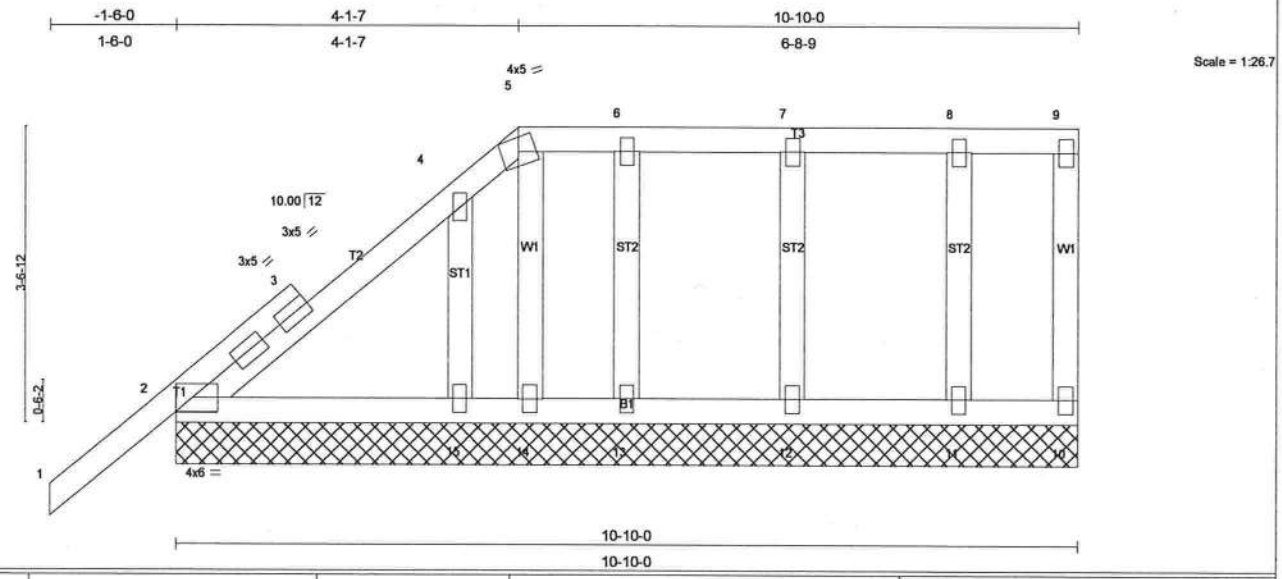

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	0.00	1	n/r	90		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 65 lb	

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

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

REACTIONS (lb/size) 2=195/10-10-0, 10=29/10-10-0, 13=111/10-10-0, 15=187/10-10-0, 12=136/10-10-0, 11=112/10-10-0, 14=-6/10-10-0
Max Horz 2=220(load case 6)
Max Uplift2=-92(load case 6), 10=-21(load case 4), 13=-68(load case 4), 15=-129(load case 6), 12=-85(load case 4), 11=-67(load case 4), 14=-53(load case 4)
Max Grav 2=195(load case 1), 10=29(load case 1), 13=111(load case 1), 15=187(load case 1), 12=136(load case 1), 11=112(load case 1), 14=3(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-111/14, 3-4=-99/53, 4-5=-40/8, 5-6=-1/1, 6-7=-0/1, 7-8=-0/1, 8-9=-0/1, 9-10=-25/24
BOT CHORD 2-15=-3/1, 14-15=-3/1, 13-14=-1/0, 12-13=-1/0, 11-12=-1/0, 10-11=-1/0
WEBS 6-13=-91/83, 4-15=-144/147, 7-12=-115/105, 8-11=-94/85, 5-14=-6/40

JOINT STRESS INDEX
2 = 0.46, 3 = 0.00, 3 = 0.21, 3 = 0.21, 4 = 0.08, 5 = 0.04, 6 = 0.05, 7 = 0.06, 8 = 0.05, 9 = 0.03, 10 = 0.02, 11 = 0.05, 12 = 0.06, 13 = 0.05, 14 = 0.02 and 15 = 0.08

NOTES (10)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 2, 21 lb uplift at joint 10, 68 lb uplift at joint 13, 129 lb uplift at joint 15, 85 lb uplift at joint 12, 67 lb uplift at joint 11 and 53 lb uplift at joint 14.
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T02C	MONO TRUSS	8	1	294475023
					Job Reference (optional)

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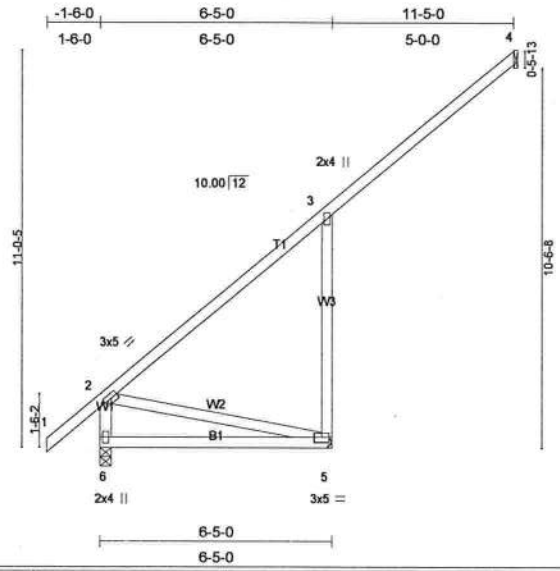

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.07	5-6	>995	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.13	5-6	>569	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.26	Horz(TL)	-0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-10 oc bracing.

REACTIONS (lb/size) 4=99/Mechanical, 6=265/0-3-8, 5=392/Mechanical
Max Horz 6=399(load case 6)
Max Uplift4=-86(load case 6), 5=-359(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/57, 2-3=-468/119, 3-4=-118/46, 2-6=-234/11
BOT CHORD 5-6=-596/0
WEBS 3-5=-361/496, 2-5=-0/609

JOINT STRESS INDEX
2 = 0.26, 3 = 0.25, 5 = 0.30 and 6 = 0.09

NOTES (5-6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 4 and 359 lb uplift at joint 5.
5) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
6) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T02B	ATTIC	1	3	294475022
					Job Reference (optional)

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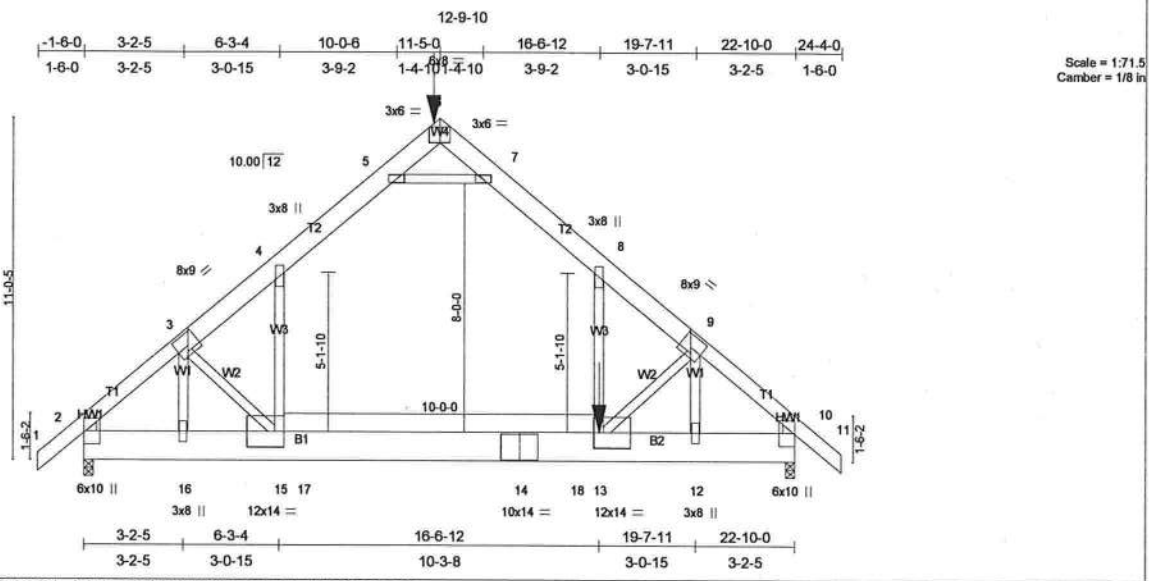

Plate Offsets (X,Y): [3:0-4-8,0-4-8], [6:0-4-0,Edge], [9:0-4-8,0-4-8], [13:0-3-8,0-6-0], [15:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.13	13-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.24	13-15	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 746 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E *Except* T1 2 X 6 SYP No.1D, T1 2 X 6 SYP No.1D
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=4822/0-3-8, 10=3712/0-3-8
Max Horz 2=-281(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-5206/0, 3-4=-4996/0, 4-5=-2765/0, 5-6=0/1869, 6-7=0/1846, 7-8=-2787/0, 8-9=-4954/0, 9-10=-4468/0, 10-11=0/26
BOT CHORD 2-16=0/3576, 15-16=0/3573, 15-17=0/3128, 14-17=0/3128, 14-18=0/3128, 13-18=0/3128, 12-13=0/3104, 10-12=0/3064
WEBS 5-7=-5755/0, 4-15=0/3409, 8-13=0/3306, 3-15=-870/0, 3-16=0/731, 9-12=-1136/0, 9-13=-80/478

JOINT STRESS INDEX
2 = 0.51, 2 = 0.00, 3 = 0.42, 4 = 0.36, 5 = 0.68, 6 = 0.30, 7 = 0.68, 8 = 0.36, 9 = 0.42, 10 = 0.51, 10 = 0.00, 12 = 0.12, 13 = 0.21, 14 = 0.29, 15 = 0.21 and 16 = 0.12

NOTES (12)
1) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 500 lb down and 138 lb up at 11-5-0 on top chord, and 1033 lb down and 286 lb up at 16-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 12 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 500 lb down and 138 lb up at 11-5-0 on top chord, and 1033 lb down and 286 lb up at 16-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).4-15, 8-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 500 lb down and 138 lb up at 11-5-0 on top chord, and 1033 lb down and 286 lb up at 16-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-54, 4-5=-64, 5-6=-54, 6-7=-54, 7-8=-64, 8-11=-54, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 6=-500(F) 13=-1033(F)
2) IBC BC Live: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-17=-208(F=-178), 17-18=-88(F=-58), 10-18=-30, 1-4=-14, 4-5=-24, 5-6=-14, 6-7=-14, 7-8=-24, 8-11=-14, 5-7=-10
Drag: 4-15=-10, 8-13=-10

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T02A	ATTIC	2	3	294475021

Job Reference (optional)

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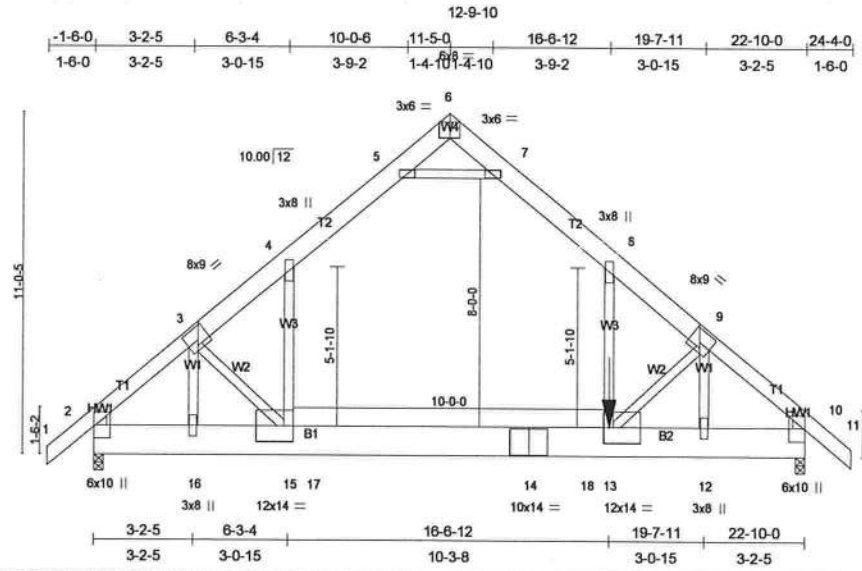

Plate Offsets (X,Y): [3:0-4-8,0-4-8], [6:0-4-0,Edge], [9:0-4-8,0-4-8], [13:0-3-8,0-6-0], [15:0-3-8,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.13	13-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.24	13-15	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 746 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E *Except*
T1 2 X 6 SYP No.1D, T1 2 X 6 SYP No.1D
BOT CHORD 2 X 12 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=4572/0-3-8, 10=3462/0-3-8
Max Horz 2=281(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/26, 2-3=-4883/0, 3-4=-4658/0, 4-5=-2397/0, 5-6=0/2277, 6-7=0/2254, 7-8=-2420/0, 8-9=-4617/0, 9-10=-4145/0, 10-11=0/26
BOT CHORD 2-16=0/3359, 15-16=0/3355, 15-17=0/2859, 14-17=0/2859, 14-18=0/2859, 13-18=0/2859, 12-13=0/2885, 10-12=0/2846
WEBS 5-7=-5808/0, 4-15=0/3456, 8-13=0/3353, 3-15=-900/0, 3-16=0/726, 9-12=-1127/0, 9-13=-160/494

JOINT STRESS INDEX
2 = 0.48, 2 = 0.00, 3 = 0.40, 4 = 0.37, 5 = 0.68, 6 = 0.31, 7 = 0.68, 8 = 0.37, 9 = 0.40, 10 = 0.48, 10 = 0.00, 12 = 0.12, 13 = 0.21, 14 = 0.28, 15 = 0.21 and 16 = 0.12

NOTES (12)
1) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1033 lb down and 286 lb up at 16-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 12 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1033 lb down and 286 lb up at 16-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).4-15, 8-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1033 lb down and 286 lb up at 16-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-15=-341(F=-331), 15-17=-441(F=-331), 17-18=-321(F=-211), 13-18=-110, 10-13=-10, 1-4=-54, 4-5=-64, 5-6=-54, 6-7=-54, 7-8=-64, 8-11=-54, 5-7=-10
Drag: 4-15=-10, 8-13=-10
Concentrated Loads (lb)
Vert: 13=-1033(F)
2) IBC BC Live: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-17=-208(F=-178), 17-18=-88(F=-58), 10-18=-30, 1-4=-14, 4-5=-24, 5-6=-14, 6-7=-14, 7-8=-24, 8-11=-14, 5-7=-10
Drag: 4-15=-10, 8-13=-10

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	T01G	GABLE	1	1	294475019
					Job Reference (optional)

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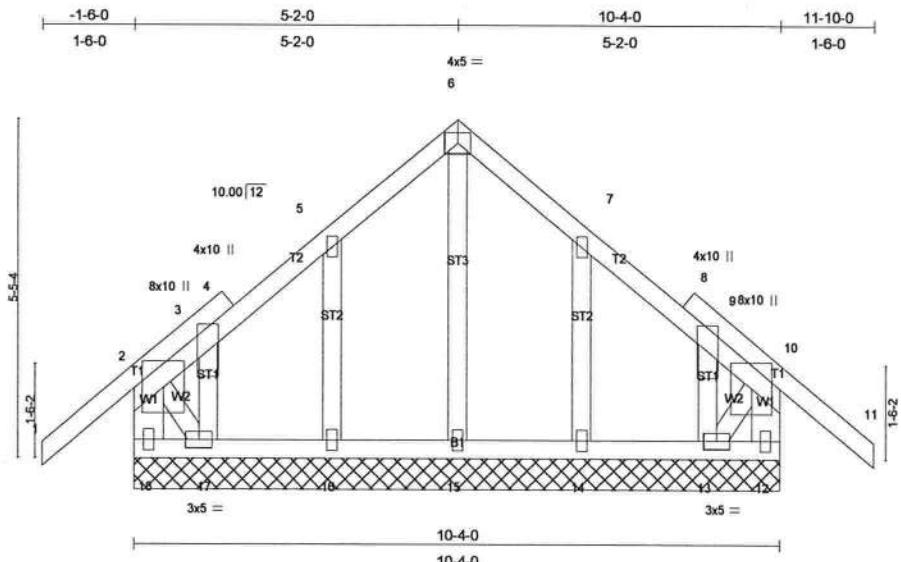

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.02	11	n/r	90		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 76 lb	

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

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

REACTIONS (lb/size) 18=188/10-4-0, 12=188/10-4-0, 15=125/10-4-0, 16=128/10-4-0, 17=31/10-4-0, 14=128/10-4-0, 13=31/10-4-0
Max Horz 18=-202(load case 4)
Max Uplift18=-163(load case 4), 12=-103(load case 5), 16=-117(load case 6), 17=-201(load case 5), 14=-117(load case 7), 13=-172(load case 7)
Max Grav 18=188(load case 1), 12=188(load case 1), 15=125(load case 1), 16=132(load case 10), 17=131(load case 4), 14=132(load case 11), 13=95(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/55, 2-3=-115/99, 3-4=-78/76, 4-5=-67/86, 5-6=-38/129, 6-7=-38/129, 7-8=-27/46, 8-9=-39/38, 9-10=-72/57, 10-11=0/55, 2-18=-185/153, 10-12=-185/100
BOT CHORD 17-18=-143/186, 16-17=-40/185, 15-16=-40/185, 14-15=-40/185, 13-14=-40/185, 12-13=-26/103
WEBS 6-15=-106/0, 5-16=-111/132, 3-17=-51/62, 7-14=-111/131, 9-13=-51/64, 2-17=-87/163, 10-13=-58/133

JOINT STRESS INDEX
2 = 0.49, 3 = 0.31, 4 = 0.00, 5 = 0.07, 6 = 0.15, 7 = 0.07, 8 = 0.00, 9 = 0.31, 10 = 0.49, 12 = 0.17, 13 = 0.10, 14 = 0.08, 15 = 0.04, 16 = 0.08, 17 = 0.10 and 18 = 0.17

NOTES (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 18, 103 lb uplift at joint 12, 117 lb uplift at joint 16, 201 lb uplift at joint 17, 117 lb uplift at joint 14 and 172 lb uplift at joint 13.
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	PB2	PIGGYBACK	6	1	294475017
					Job Reference (optional)

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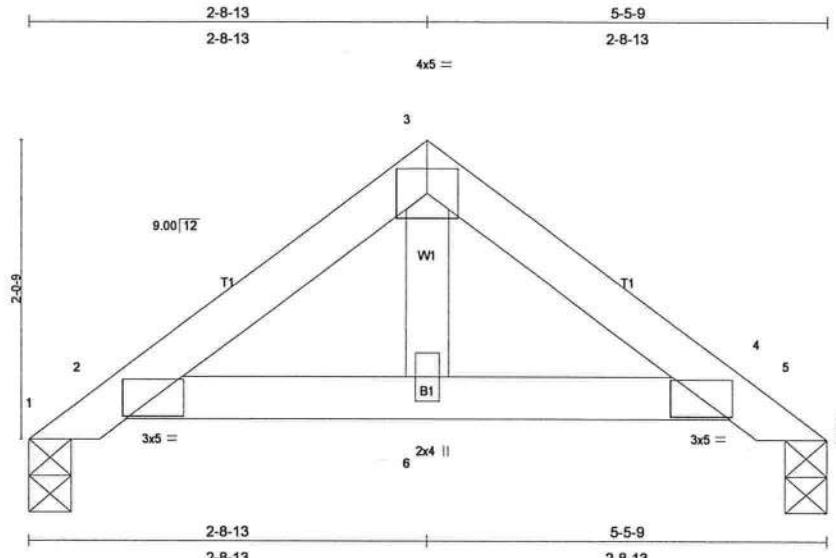

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.01	2-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=167/0-3-8, 5=167/0-3-8
Max Horz 1=-54(load case 4)
Max Uplift1=-33(load case 6), 5=-33(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-92/57, 2-3=-227/127, 3-4=-227/127, 4-5=-92/57
BOT CHORD 2-6=-48/174, 4-6=-48/174
WEBS 3-6=-35/108

JOINT STRESS INDEX
2 = 0.46, 3 = 0.19, 4 = 0.46 and 6 = 0.08

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 1 and 33 lb uplift at joint 5.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
8) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	PB1C	GABLE	1	1	294475015
					Job Reference (optional)

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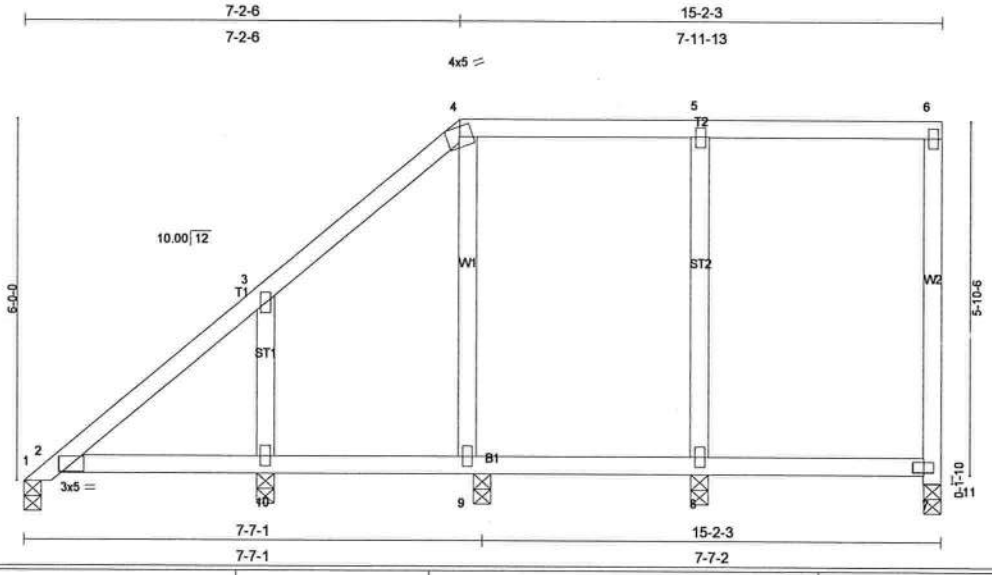

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.11	Vert(LL)	-0.01	2-10	>999	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	2-10	>999	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 75 lb	

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

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

REACTIONS (lb/size) 1=109/0-3-8, 9=200/0-3-8, 8=277/0-3-8, 10=261/0-3-8, 11=107/0-3-8
Max Horz 1=190(load case 6)
Max Uplift9=-64(load case 5), 8=-105(load case 4), 10=-169(load case 6), 11=-39(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-283/0, 2-3=-249/55, 3-4=-72/39, 4-5=-7/4, 5-6=-6/4, 7-11=-107/62, 6-7=-89/71
BOT CHORD 2-10=-9/11, 9-10=-9/11, 8-9=-4/6, 7-8=-4/6
WEBS 4-9=-173/176, 5-8=-235/182, 3-10=-197/245

JOINT STRESS INDEX
2 = 0.45, 3 = 0.12, 4 = 0.31, 5 = 0.10, 6 = 0.26, 7 = 0.19, 8 = 0.10, 9 = 0.10 and 10 = 0.14

NOTES (9)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 11 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 64 lb uplift at joint 9, 105 lb uplift at joint 8, 169 lb uplift at joint 10 and 39 lb uplift at joint 11.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	PB1A	GABLE	1	1	294475013
					Job Reference (optional)

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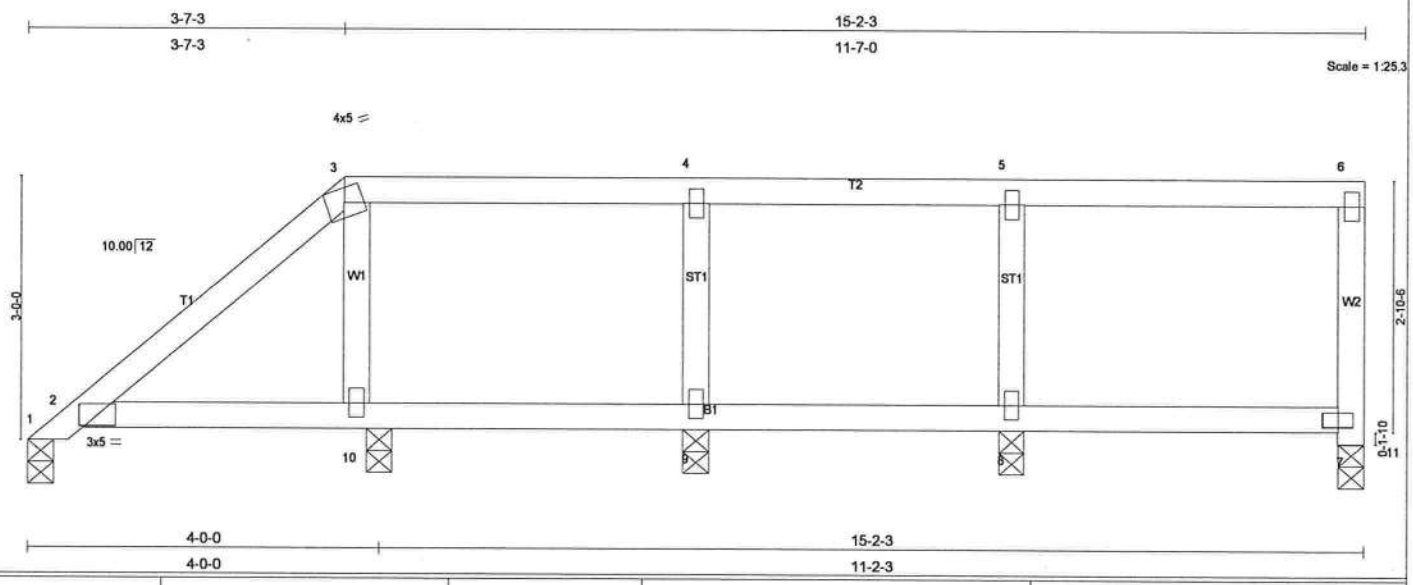

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-10	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 60 lb	

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

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

REACTIONS (lb/size) 1=107/0-3-8, 10=250/0-3-8, 9=232/0-3-8, 8=249/0-3-8, 11=115/0-3-8
Max Horz 1=94(load case 6)
Max Uplift10=-96(load case 6), 9=-101(load case 4), 8=-84(load case 4), 11=-45(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-110/0, 2-3=-68/30, 3-4=-20/10, 4-5=-19/10, 5-6=-19/10, 7-11=-115/65, 6-7=-96/75
BOT CHORD 2-10=-22/30, 9-10=-10/19, 8-9=-10/19, 7-8=-10/19
WEBS 3-10=-191/194, 4-9=-201/154, 5-8=-211/169

JOINT STRESS INDEX
2 = 0.34, 3 = 0.41, 4 = 0.09, 5 = 0.10, 6 = 0.38, 7 = 0.27, 8 = 0.10, 9 = 0.09 and 10 = 0.11

NOTES (9)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 1, 11 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 96 lb uplift at joint 10, 101 lb uplift at joint 9, 84 lb uplift at joint 8 and 45 lb uplift at joint 11.
8) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	HJ9	MONO TRUSS	2	1	294475011
					Job Reference (optional)

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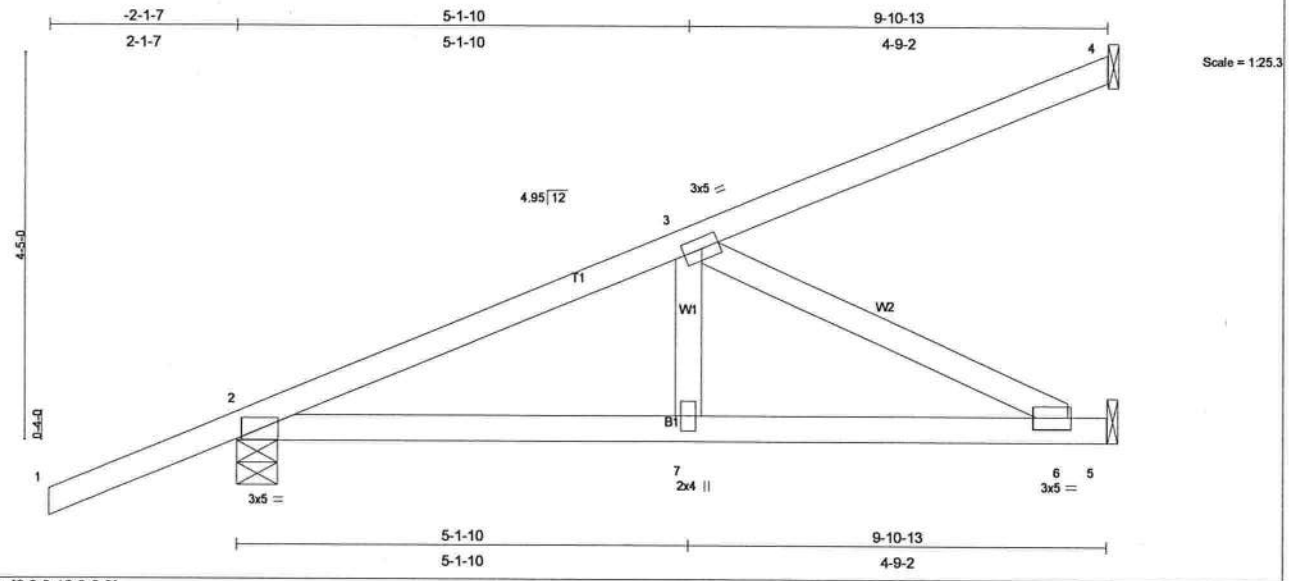

Plate Offsets (X,Y): [2:0-0-12,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.06	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.07	6-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 44 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-10-10 oc bracing.

REACTIONS (lb/size) 4=230/Mechanical, 2=407/0-5-11, 5=266/Mechanical
Max Horz 2=298(load case 5)
Max Uplift4=-216(load case 5), 2=-329(load case 5), 5=-237(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-550/265, 3-4=-111/64
BOT CHORD 2-7=-466/486, 6-7=-466/486, 5-6=0/0
WEBS 3-7=-104/197, 3-6=-543/521

JOINT STRESS INDEX
2 = 0.63, 3 = 0.25, 6 = 0.17 and 7 = 0.14

NOTES (6)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 4, 329 lb uplift at joint 2 and 237 lb uplift at joint 5.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=5, B=5)-to-5=-25(F=-7, B=-7)

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	EJ7D	MONO HIP	1	1	294475009
					Job Reference (optional)

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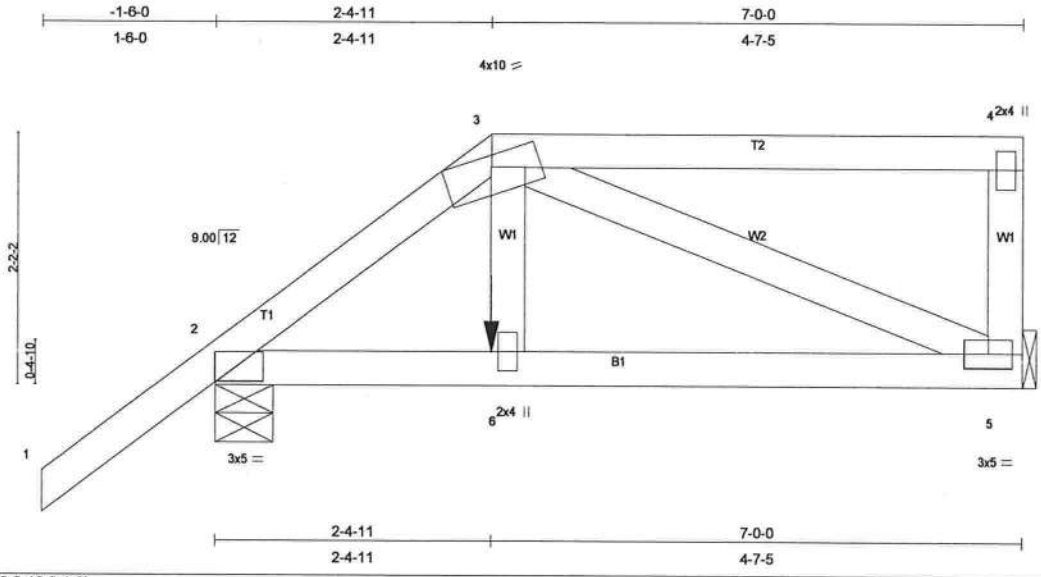

Plate Offsets (X,Y): [2:0-2-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.01	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.01	5-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 36 lb	

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

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

REACTIONS (lb/size) 5=219/Mechanical, 2=340/0-6-0
Max Horz 2=114(load case 5)
Max Uplift5=-73(load case 3), 2=-135(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-280/66, 3-4=-61/25, 4-5=-132/75
BOT CHORD 2-6=-73/190, 5-6=-72/192
WEBS 3-6=0/116, 3-5=-142/57

JOINT STRESS INDEX
2 = 0.64, 3 = 0.27, 4 = 0.81, 5 = 0.27 and 6 = 0.08

NOTES (9)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 5 and 135 lb uplift at joint 2.
6) Girder carries hip end with 0-0-0 right side setback, 2-4-11 left side setback, and 2-4-11 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 23 lb down and 16 lb up at 2-4-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-58(F=-4), 2-6=-10, 5-6=-11(F=-1)
Concentrated Loads (lb)
Vert: 6=-23(F)

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	EJ7B	MONO HIP	1	1	294475007
					Job Reference (optional)

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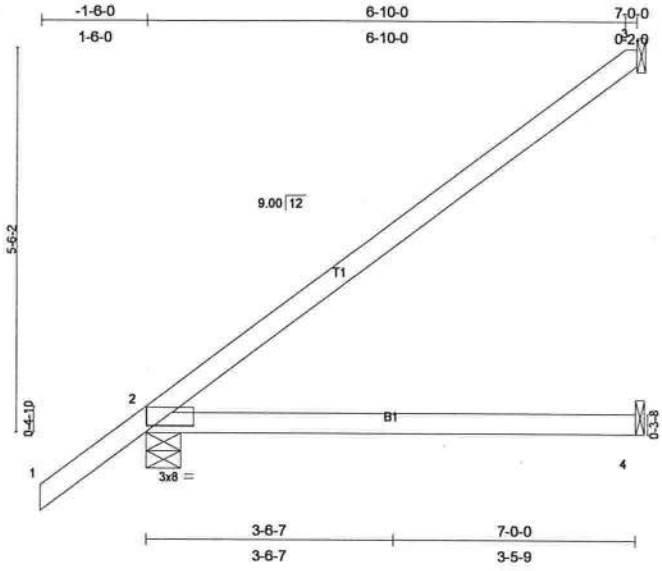

Plate Offsets (X,Y): [2:0-8-3,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.10	2-4	>840	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.16	2-4	>495	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 3=154/Mechanical, 2=321/0-6-0, 4=48/Mechanical
Max Horz 2=223(load case 6)
Max Uplift3=-117(load case 6), 2=-80(load case 6)
Max Grav 3=154(load case 1), 2=321(load case 1), 4=94(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-155/73
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.68

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 3 and 80 lb uplift at joint 2.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	EJ7	MONO TRUSS	9	1	294475005
					Job Reference (optional)

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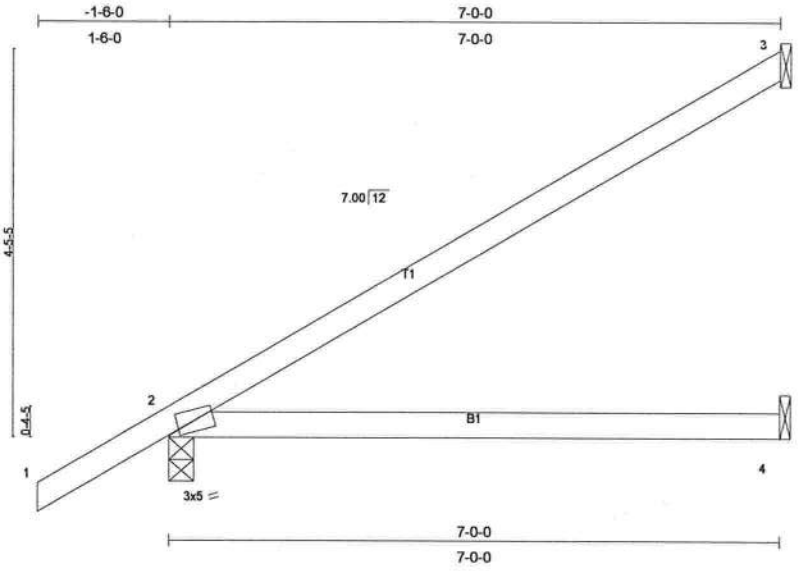

Scale = 1:25.4
Camber = 1/16 in

*** Design Problems ***
REVIEW REQUIRED

Max Deflection In Panel Exceeded: 2-3, 2-4
Max Vertical Deflection Exceeded In Span: 2-4

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

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.43	Vert(LL)	0.33	2-4	>245	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.17	2-4	>478	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 3=158/Mechanical, 2=317/0-3-8, 4=49/Mechanical
Max Horz 2=173(load case 6)
Max Uplift3=-106(load case 6), 2=-186(load case 6), 4=-68(load case 6)
Max Grav 3=158(load case 1), 2=317(load case 1), 4=95(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-126/62
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.85

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 3, 186 lb uplift at joint 2 and 68 lb uplift at joint 4.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	CJ5	JACK	4	1	294475003
					Job Reference (optional)

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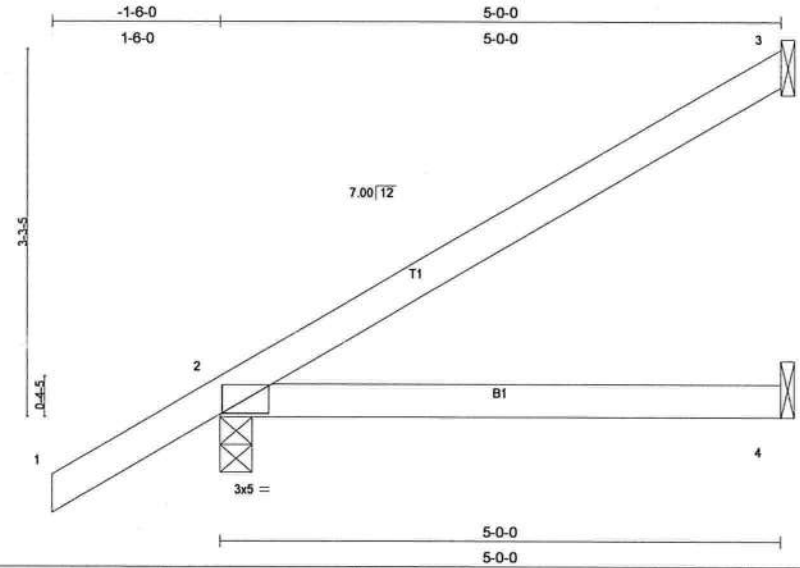

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.22	Vert(LL)	0.09	2-4	>663	360	MT20	244/190
TCDL	7.0		Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0		Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=114/Mechanical, 2=257/0-3-8, 4=24/Mechanical
Max Horz 2=189(load case 6)
Max Uplift3=-111(load case 6), 2=-208(load case 6), 4=-56(load case 4)
Max Grav 3=114(load case 1), 2=257(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-85/46
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 3, 208 lb uplift at joint 2 and 56 lb uplift at joint 4.
5) 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

Job	Truss	Truss Type	Qty	Ply	PAUL & EMMY PHINNEY
294475	CJ1	JACK	4	1	294475001
					Job Reference (optional)

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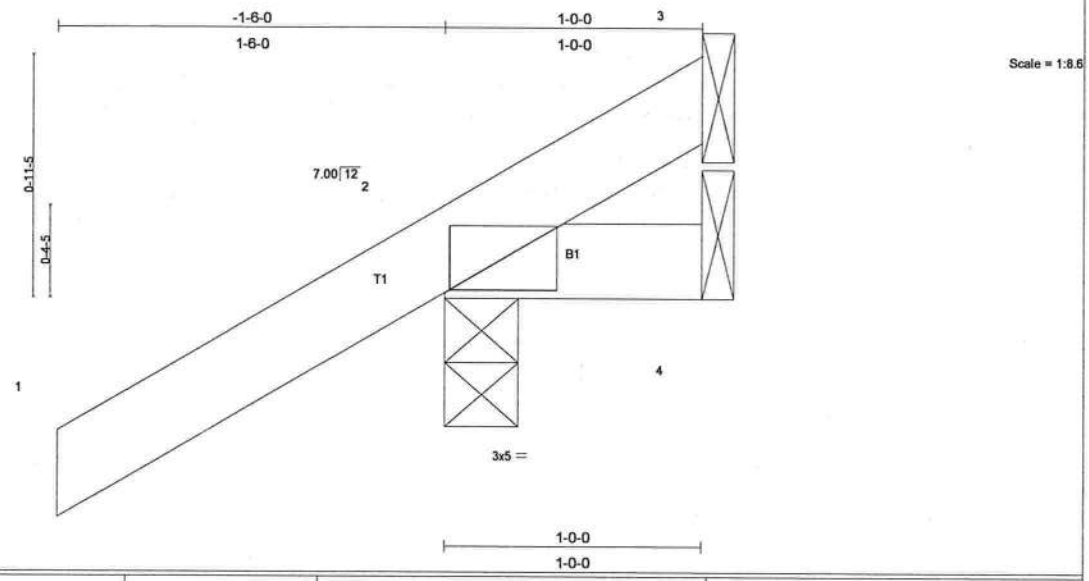


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

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

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

REACTIONS (lb/size) 2=179/0-3-8, 4=5/Mechanical, 3=-40/Mechanical
Max Horz 2=82(load case 6)
Max Uplift2=-196(load case 6), 4=-11(load case 4), 3=-40(load case 1)
Max Grav 2=179(load case 1), 4=14(load case 2), 3=64(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-50/41
BOT CHORD 2-4=0/0

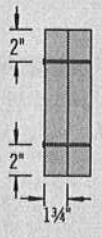
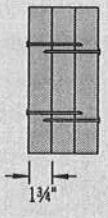
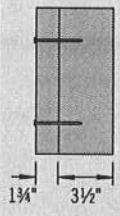
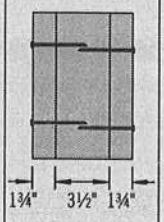
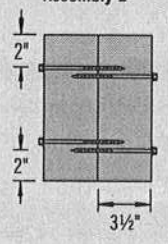
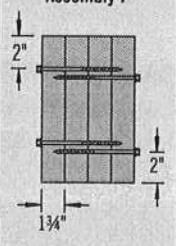
JOINT STRESS INDEX
2 = 0.11

NOTES (5)
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2, 11 lb uplift at joint 4 and 40 lb uplift at joint 3.
5) 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

MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

Point Load—Maximum Point Load Applied to Either Outside Member (lbs)

Connector Type	Number of Connectors	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	6	1,110	*835*	835	*740*		
	12	2,225	*1,670*	1,670	*1,485*		
	18	3,335	*2,505*	2,505	*2,225*		
	24	4,450	*3,335*	3,335	*2,965*		
SDS Screws ¼" x 3½" or WS35 ¼" x 6" or WS6(1)	4	1,915	1,435(4)	1,435	*1,275*	*1,860(2)*	*1,405(2)*
	6	2,870	2,150 (4)	2,150	*1,915*	*2,785(2)*	*2,110(2)*
	8	3,825	2,870 (4)	2,870	*2,550*	*3,715(2)*	*2,810(2)*
3⅜" or 5" TrussLok™	4	2,545	1,910 (4)	1,910	*1,695*	*1,925(3)*	*1,775(3)*
	6	3,815	2,860 (4)	2,860	*2,545*	*2,890(3)*	*2,665(3)*
	8	5,090	3,815 (4)	3,815	*3,390*	*3,855(3)*	*3,550(3)*

(1) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

See General Notes on page 38

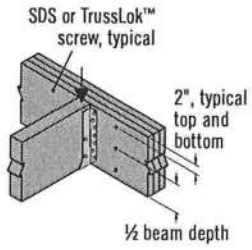
(2) 6" long screws required.

(3) 5" long screws required.

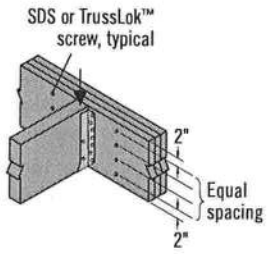
(4) 3½" and 3⅜" long screws must be installed on both sides.

Connections

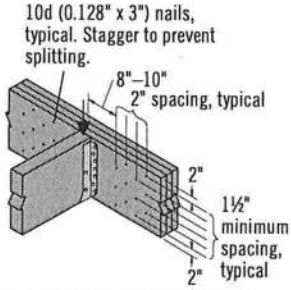
4 or 6 or Screw Connection



8 Screw Connection

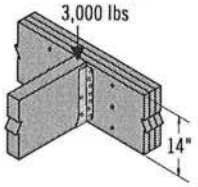


Nail Connection



There must be an equal number of nails on each side of the connection

Point Load Design Example



First, verify that a 3-ply 1¾" x 14" beam is capable of supporting the 3,000 lb point load as well as all other loads applied. The 3,000 lb point load is being transferred to the beam with a face mount hanger. For a 3-ply 1¾" assembly, eight 3⅜" TrussLok™ screws are good for 3,815 lbs with a face mount hanger.

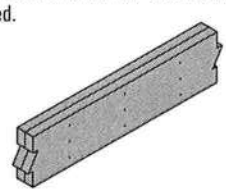
MULTIPLE-MEMBER CONNECTIONS FOR TOP-LOADED BEAMS

1¾" Wide Pieces

- Minimum of three rows of 10d (0.128" x 3") nails at 12" on-center.
- Minimum of four rows of 10d (0.128" x 3") nails at 12" on-center for 14" or deeper.
- If using 12d–16d (0.148"–0.162" diameter) nails, the number of nailing rows may be reduced by one.
- Minimum of two rows of SDS, WS, or TrussLok™ screws at 16" on-center. Use 3⅜" minimum length with two or three plies; 5" minimum for 4-ply members. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. For 3- or 4-ply members, connectors must be installed on both sides. Stagger fasteners on opposite side of beam by ½ of the required connector spacing.
- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

3½" Wide Pieces

- Minimum of two rows of SDS, WS, or TrussLok™ screws, 5" minimum length, at 16" on-center. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. Connectors must be installed on both sides. Stagger fasteners on opposite side of beam by ½ of the required connector spacing.
- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.
- Minimum of two rows of ½" bolts at 24" on-center staggered.



Multiple pieces can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7"

Residential System Sizing Calculation

Summary

Paul & Emmy Phinney

, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

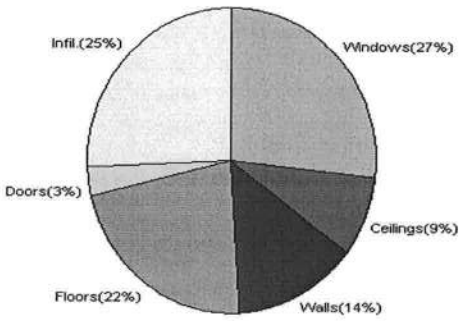
2/11/2009

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**42155**	**Btuh**	**Total cooling load calculation**	**45946**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	130.5	55000	Sensible (SHR = 0.75)	104.8	41250
Heat Pump + Auxiliary(0.0kW)	130.5	55000	Latent	209.3	13750
			Total (Electric Heat Pump)	119.7	55000

WINTER CALCULATIONS

Winter Heating Load (for 2525 sqft)

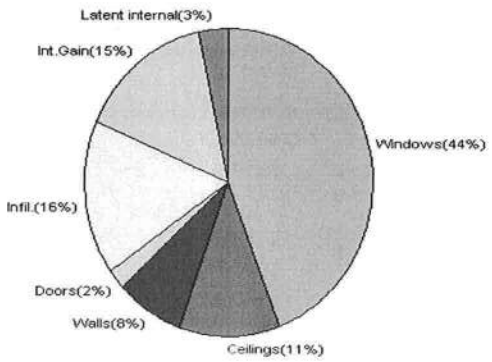
Load component			Load	
Window total	355	sqft	11411	Btuh
Wall total	1737	sqft	5703	Btuh
Door total	100	sqft	1295	Btuh
Ceiling total	3054	sqft	3599	Btuh
Floor total	See detail report		9456	Btuh
Infiltration	264	cfm	10691	Btuh
Duct loss			0	Btuh
Subtotal			**42155**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**42155**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2525 sqft)

Load component			Load	
Window total	355	sqft	20192	Btuh
Wall total	1737	sqft	3500	Btuh
Door total	100	sqft	980	Btuh
Ceiling total	3054	sqft	5058	Btuh
Floor total			178	Btuh
Infiltration	136	cfm	2530	Btuh
Internal gain			6940	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**39377**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4969	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**6569**	**Btuh**
TOTAL HEAT GAIN			**45946**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 2/11/09 EVAN BENNETT

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

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

2/11/2009

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	60.0	32.2	1931 Btuh
2	2, Clear, Metal, 0.87	NW	3.0	32.2	97 Btuh
3	2, Clear, Metal, 0.87	NW	42.0	32.2	1352 Btuh
4	2, Clear, Metal, 0.87	NW	42.0	32.2	1352 Btuh
5	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
6	2, Clear, Metal, 0.87	NE	3.0	32.2	97 Btuh
7	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
8	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
9	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
10	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
11	2, Clear, Metal, 0.87	SE	14.0	32.2	451 Btuh
12	2, Clear, Metal, 0.87	SE	3.0	32.2	97 Btuh
13	2, Clear, Metal, 0.87	E	12.5	32.2	402 Btuh
14	2, Clear, Metal, 0.87	SE	12.5	32.2	402 Btuh
15	2, Clear, Metal, 0.87	S	12.5	32.2	402 Btuh
16	2, Clear, Metal, 0.87	SW	30.0	32.2	966 Btuh
17	2, Clear, Metal, 0.87	SE	25.0	32.2	805 Btuh
18	2, Clear, Metal, 0.87	SE	8.0	32.2	258 Btuh
19	2, Clear, Metal, 0.87	SW	25.0	32.2	805 Btuh
	Window Total		355(sqft)		11411 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1311	3.3	4304 Btuh
2	Frame - Wood - Adj(0.09)	13.0	212	3.3	696 Btuh
3	Frame - Wood - Ext(0.09)	13.0	214	3.3	703 Btuh
	Wall Total		1737		5703 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Adjacent		40	12.9	518 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
4	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		100		1295Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1278	1.2	1506 Btuh
2	Vented Attic/D/Shin)	30.0	1776	1.2	2093 Btuh
	Ceiling Total		3054		3599Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Raised Wood - Adj	19	296.0 sqft	1.9	549 Btuh
2	Slab On Grade	0	204.0 ft(p)	43.7	8907 Btuh
	Floor Total		500		9456 Btuh
			Zone Envelope Subtotal:		31464 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

2/11/2009

Infiltration	Type Natural	ACH X 0.66	Zone Volume 18970	CFM= 263.9	10691 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1	**Sensible Zone Subtotal**				**42155 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	42155 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42155 Btuh

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

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

2/11/2009

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	60.0	32.2	1931 Btuh
2	2, Clear, Metal, 0.87	NW	3.0	32.2	97 Btuh
3	2, Clear, Metal, 0.87	NW	42.0	32.2	1352 Btuh
4	2, Clear, Metal, 0.87	NW	42.0	32.2	1352 Btuh
5	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
6	2, Clear, Metal, 0.87	NE	3.0	32.2	97 Btuh
7	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh
8	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
9	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
10	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
11	2, Clear, Metal, 0.87	SE	14.0	32.2	451 Btuh
12	2, Clear, Metal, 0.87	SE	3.0	32.2	97 Btuh
13	2, Clear, Metal, 0.87	E	12.5	32.2	402 Btuh
14	2, Clear, Metal, 0.87	SE	12.5	32.2	402 Btuh
15	2, Clear, Metal, 0.87	S	12.5	32.2	402 Btuh
16	2, Clear, Metal, 0.87	SW	30.0	32.2	966 Btuh
	Window Total		297(sqft)		9544 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1311	3.3	4304 Btuh
2	Frame - Wood - Adj(0.09)	13.0	212	3.3	696 Btuh
	Wall Total		1523		5000 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		40	12.9	518 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		80		1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1278	1.2	1506 Btuh
2	Vented Attic/D/Shin)	30.0	1776	1.2	2093 Btuh
	Ceiling Total		3054		3599Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	204.0 ft(p)	43.7	8907 Btuh
	Floor Total		204		8907 Btuh
			Zone Envelope Subtotal:		28086 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	18970	263.9	9373 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**37459 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

2/11/2009

Component Loads for Zone #2: 2nd Floor

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
2	2, Clear, Metal, 0.87	SE	25.0	32.2	805 Btuh
3	2, Clear, Metal, 0.87	SE	8.0	32.2	258 Btuh
4	2, Clear, Metal, 0.87	SW	25.0	32.2	805 Btuh
	Window Total		58(sqft)		1867 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	214	3.3	703 Btuh
	Wall Total		214		703 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
	Door Total		20		259Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Raised Wood - Adj	19	296.0 sqft	1.9	549 Btuh
	Floor Total		296		549 Btuh
			Zone Envelope Subtotal:		3378 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	5024	263.9	1318 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #2			**Sensible Zone Subtotal**		**4696 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	42155 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42155 Btuh

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 2/11/2009

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft	10ft.	60.0	0.0	60.0	29	60	3602 Btuh
2	2, Clear, 0.87, None,N,N	NW	13.5f	6ft.	3.0	0.0	3.0	29	60	180 Btuh
3	2, Clear, 0.87, None,N,N	NW	13.5f	11ft.	42.0	0.0	42.0	29	60	2522 Btuh
4	2, Clear, 0.87, None,N,N	NW	17.8	11ft.	42.0	0.0	42.0	29	60	2522 Btuh
5	2, Clear, 0.87, None,N,N	NE	99ft.	11ft.	10.0	0.0	10.0	29	60	600 Btuh
6	2, Clear, 0.87, None,N,N	NE	99ft.	5ft.	3.0	0.0	3.0	29	60	180 Btuh
7	2, Clear, 0.87, None,N,N	SW	99ft.	11ft.	10.0	10.0	0.0	29	63	290 Btuh
8	2, Clear, 0.87, None,N,N	NE	1.5ft	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft	3ft.	6.0	0.0	6.0	29	60	360 Btuh
10	2, Clear, 0.87, None,N,N	SE	1.5ft	6ft.	16.0	2.1	13.9	29	63	930 Btuh
11	2, Clear, 0.87, None,N,N	SE	5.66	8ft.	14.0	14.0	0.0	29	63	405 Btuh
12	2, Clear, 0.87, None,N,N	SE	5.66	2ft.	3.0	3.0	0.0	29	63	87 Btuh
13	2, Clear, 0.87, None,N,N	E	0.5ft	6ft.	12.5	0.0	12.5	29	80	994 Btuh
14	2, Clear, 0.87, None,N,N	SE	0.5ft	6ft.	12.5	0.0	12.5	29	63	782 Btuh
15	2, Clear, 0.87, None,N,N	S	0.5ft	6ft.	12.5	5.4	7.1	29	34	395 Btuh
16	2, Clear, 0.87, None,N,N	SW	1.5ft	7ft.	30.0	3.1	26.9	29	63	1771 Btuh
17	2, Clear, 0.87, None,N,N	SE	1.5ft	10ft.	25.0	0.0	25.0	29	63	1563 Btuh
18	2, Clear, 0.87, None,N,N	SE	1.5ft	7ft.	8.0	0.0	8.0	29	63	500 Btuh
19	2, Clear, 0.87, None,N,N	SW	1.5ft	6ft.	25.0	7.6	17.4	29	63	1308 Btuh
	Window Total				355 (sqft)					20192 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1310.5	2.1	2733 Btuh
2	Frame - Wood - Adj	13.0/0.09	212.0	1.5	320 Btuh
3	Frame - Wood - Ext	13.0/0.09	214.0	2.1	446 Btuh
	Wall Total		1737 (sqft)		3500 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Adjacent	40.0	9.8	392 Btuh
3	Insulated - Exterior	20.0	9.8	196 Btuh
4	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	100 (sqft)		980 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1278.0	1.7	2116 Btuh
2	Vented Attic/DarkShingle	30.0	1776.0	1.7	2941 Btuh
	Ceiling Total		3054 (sqft)		5058 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Raised Wood - Adj	19.0	296 (sqft)	0.6	178 Btuh
2	Slab On Grade	0.0	204 (ft(p))	0.0	0 Btuh
	Floor Total		500.0 (sqft)		178 Btuh

		Zone Envelope Subtotal:	29907 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

2/11/2009

Infiltration	Type SensibleNatural	ACH 0.34	Volume(cuft) 18970		CFM= 136.0	Load 2530	Btuh
Internal gain		Occupants 8	Btuh/occupant X 230	+	Appliance 5100	Load 6940	Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0	Btuh
				Sensible Zone Load		**39377**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

2/11/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**39377 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**39377 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**39377 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4969 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6569 Btuh**
	TOTAL GAIN	**45946 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

2/11/2009

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft	10ft.	60.0	0.0	60.0	29	60	3602 Btuh
2	2, Clear, 0.87, None,N,N	NW	13.5f	6ft.	3.0	0.0	3.0	29	60	180 Btuh
3	2, Clear, 0.87, None,N,N	NW	13.5f	11ft.	42.0	0.0	42.0	29	60	2522 Btuh
4	2, Clear, 0.87, None,N,N	NW	17.8	11ft.	42.0	0.0	42.0	29	60	2522 Btuh
5	2, Clear, 0.87, None,N,N	NE	99ft.	11ft.	10.0	0.0	10.0	29	60	600 Btuh
6	2, Clear, 0.87, None,N,N	NE	99ft.	5ft.	3.0	0.0	3.0	29	60	180 Btuh
7	2, Clear, 0.87, None,N,N	SW	99ft.	11ft.	10.0	10.0	0.0	29	63	290 Btuh
8	2, Clear, 0.87, None,N,N	NE	1.5ft	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
9	2, Clear, 0.87, None,N,N	NE	1.5ft	3ft.	6.0	0.0	6.0	29	60	360 Btuh
10	2, Clear, 0.87, None,N,N	SE	1.5ft	6ft.	16.0	2.1	13.9	29	63	930 Btuh
11	2, Clear, 0.87, None,N,N	SE	5.66	8ft.	14.0	14.0	0.0	29	63	405 Btuh
12	2, Clear, 0.87, None,N,N	SE	5.66	2ft.	3.0	3.0	0.0	29	63	87 Btuh
13	2, Clear, 0.87, None,N,N	E	0.5ft	6ft.	12.5	0.0	12.5	29	80	994 Btuh
14	2, Clear, 0.87, None,N,N	SE	0.5ft	6ft.	12.5	0.0	12.5	29	63	782 Btuh
15	2, Clear, 0.87, None,N,N	S	0.5ft	6ft.	12.5	5.4	7.1	29	34	395 Btuh
16	2, Clear, 0.87, None,N,N	SW	1.5ft	7ft.	30.0	3.1	26.9	29	63	1771 Btuh
	Window Total				297 (sqft)					16820 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1310.5	2.1	2733 Btuh
2	Frame - Wood - Adj	13.0/0.09	212.0	1.5	320 Btuh
	Wall Total		1523 (sqft)		3053 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	40.0	9.8	392 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	80 (sqft)		784 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1278.0	1.7	2116 Btuh
2	Vented Attic/DarkShingle	30.0	1776.0	1.7	2941 Btuh
	Ceiling Total		3054 (sqft)		5058 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	204 (ft(p))	0.0	0 Btuh
	Floor Total		204.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	25715 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	18970	136.0	2219 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	3600	4980 Btuh

Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic) DGM = 0.00	0.0 Btuh
	Sensible Zone Load	**32914 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

2/11/2009

Component Loads for Zone #2: 2nd Floor

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	SE	1.5ft	10ft.	25.0	0.0	25.0	29	63	1563 Btuh
2	2, Clear, 0.87, None,N,N	SE	1.5ft	7ft.	8.0	0.0	8.0	29	63	500 Btuh
3	2, Clear, 0.87, None,N,N	SW	1.5ft	6ft.	25.0	7.6	17.4	29	63	1308 Btuh
	Window Total				58 (sqft)					3371 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	214.0	2.1	446 Btuh
	Wall Total		214 (sqft)		446 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Adjacent		20.0	9.8	196 Btuh
	Door Total		20 (sqft)		196 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Raised Wood - Adj	19.0	296 (sqft)	0.6	178 Btuh
	Floor Total		296.0 (sqft)		178 Btuh
				Zone Envelope Subtotal:	4192 Btuh

Infiltration	Type	ACH	Volume(cuft)		CFM=	Load
	SensibleNatural	0.34	5024		136.0	312 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		2	X 230	+	1500	1960 Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0 Btuh
				Sensible Zone Load		**6464 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Paul & Emmy Phinney
, FL

Project Title:
810071PhinneyPaul&Emmy

Class 3 Rating
Registration No. 0
Climate: North

2/11/2009

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**39377**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**39377**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**39377**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4969	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**6569**	**Btuh**
	TOTAL GAIN	**45946**	**Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Paul & Emmy Phinney

, FL

Project Title:
810071PhinneyPaul&Emmy

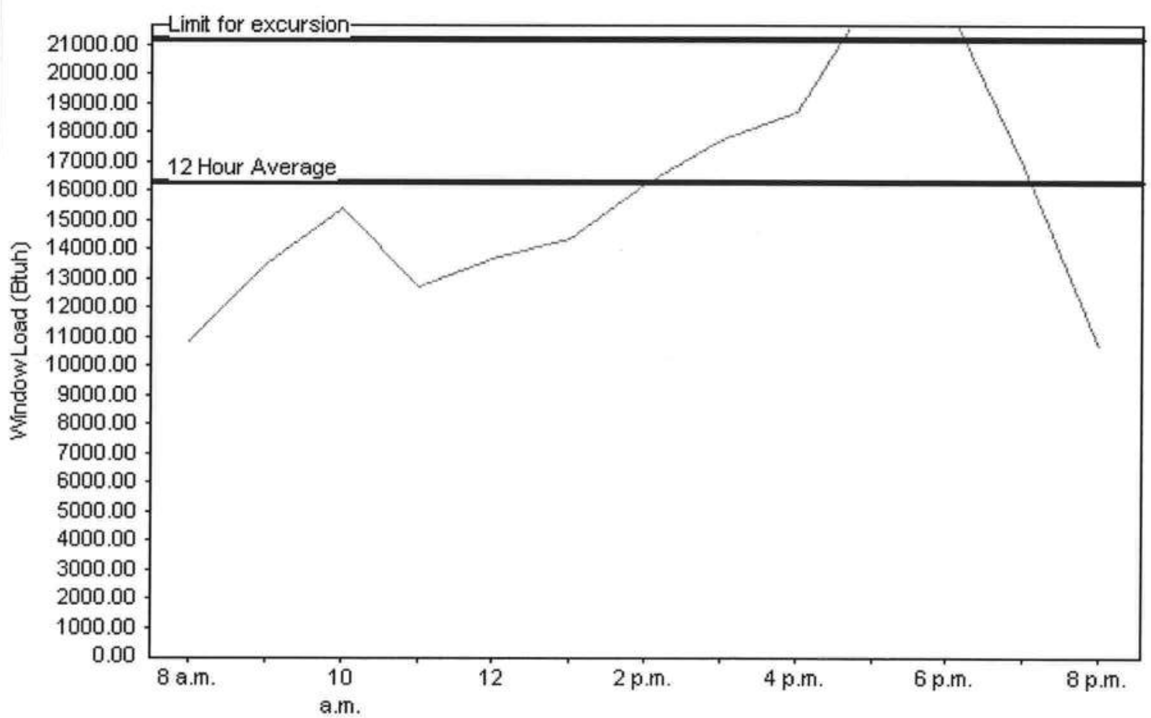
Class 3 Rating
Registration No. 0
Climate: North

2/11/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	16279 Btu
Summer setpoint	75 F	Peak window load for July	22950 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	21162 Btu
Latitude	29 North	Window excursion (July)	1788 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

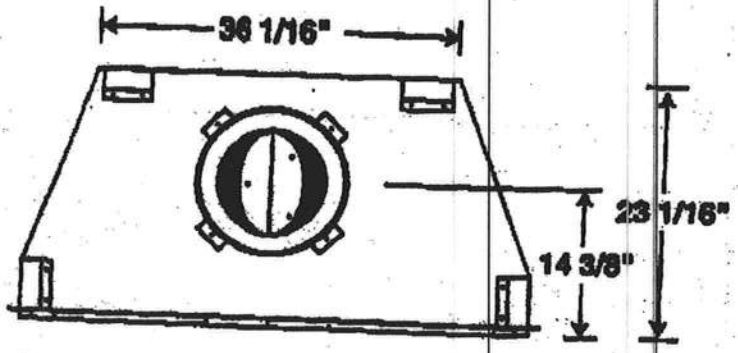
EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 2/11/09 EVAN BEAMSLEY

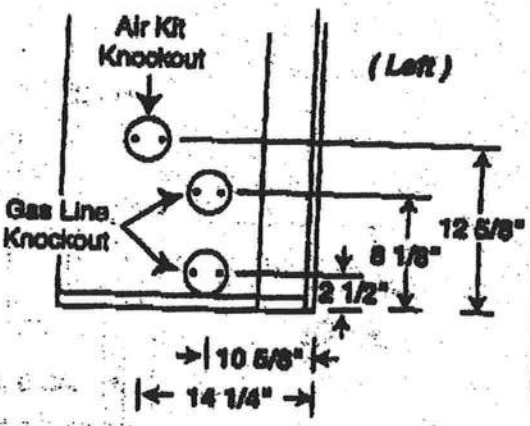
EnergyGauge® FLR2PB v4.1

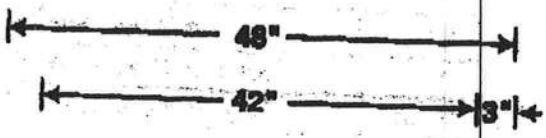
Craftsman

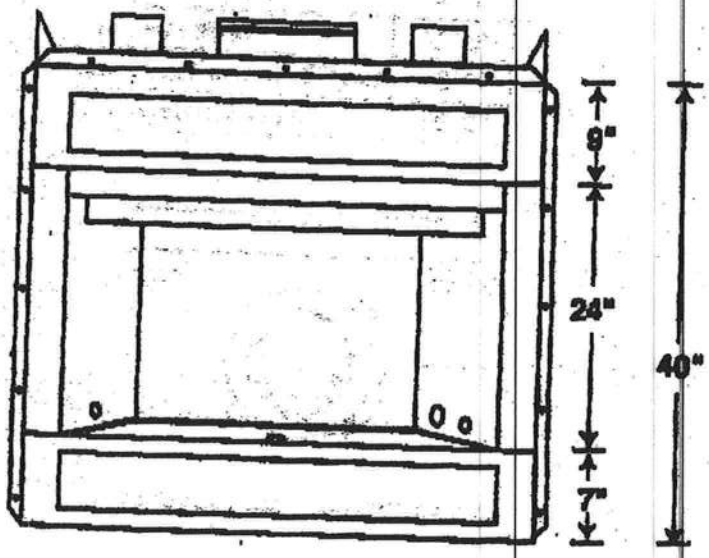
42" Woodburning Fireplace

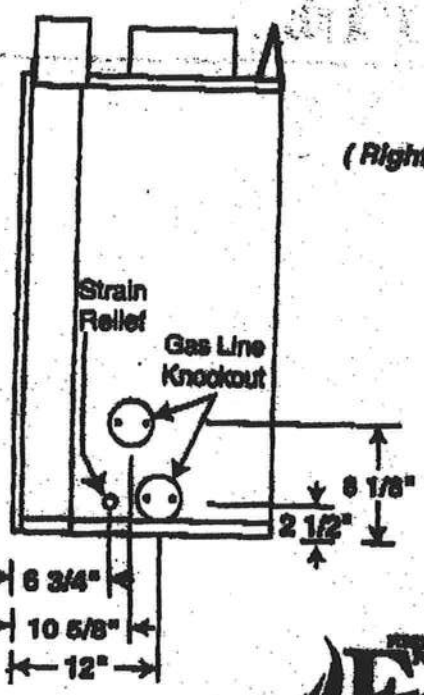
Vent Pipe Size	10"
Min. Pipe Clearance	1"
Min. System Height	14' 6"
- w/ Single Offset	14' 6"
- w/ Two Offsets	22' 0"
Max. Dist. Between Elbows	6' 0"
Max. System Height	50' 0"







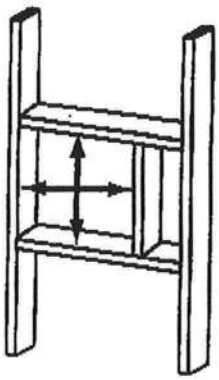




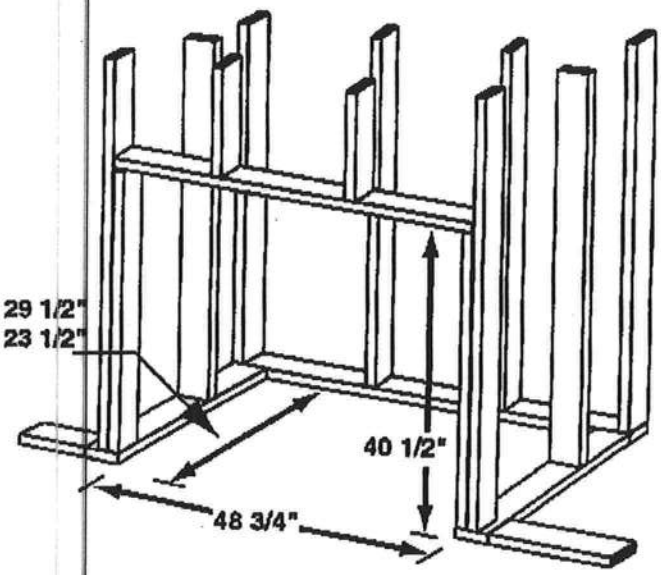
Victorian
42" Direct Vent Fireplace

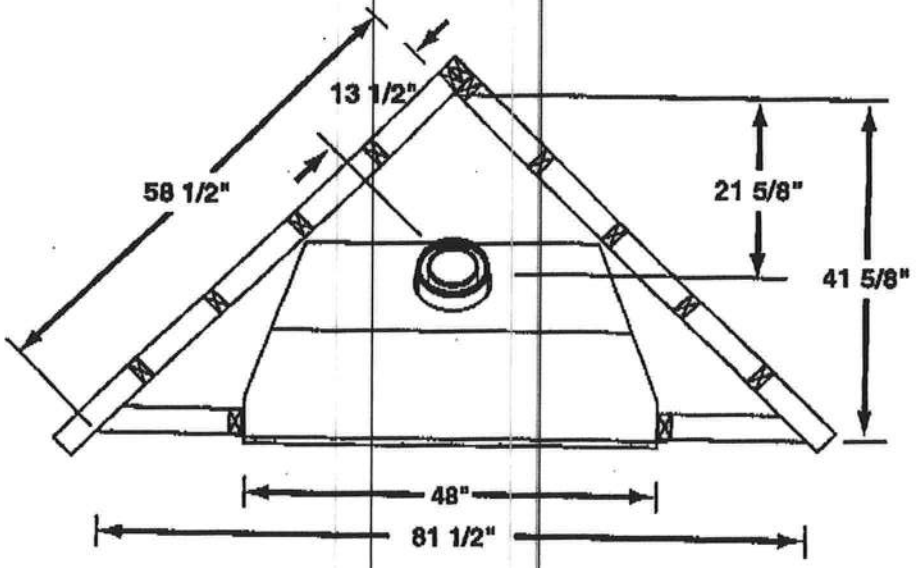
Framing Dimensions

Vent Opening - 10 3/4" Square (I.D.)



Vertical Termination - 29 1/2"
Horizontal Termination - 23 1/2"





NOTE:
Built-in Features Such as Mantels, Bookshelfs, etc. Made of Combustible Materials Must Maintain Minimum Clearances from the Fireplace. See Installation Instructions for Complete Information

FIREPLACES FOR BUILDER. Fmi

Bryant's Pump Service and Well Drilling
2131 N. Magnolia Ave.
Ocala, FL 34475
(352) 629-3769

17 February 2009

North Florida Permit Services, Inc.
ATTN: Linda Roder

Ref: Permit for Paul and Emily Phinney
PID: #01-5S-16-03397-304
Part of Lot 4 Cove at Rose Creek

Bryant's Pump Service and Well Drilling, agrees to provide a water well at the above mentioned location. Priced at $2850.00 up to the depth of 100', an additional charge of $13.00 per foot after the original 100' (if applicable). Included in this package price is a 1hp pump and steel casing.

For any further information or questions, please feel free to call.

Thanks for your business!

Mary Hall
Bryant's Pump Service

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

11 December 2008

Nedra Horton
Columbia Bank
Lake City, Florida

TRANSMITTED VIA FACSIMILE
866.381.9482

RE: A Part of Lot 4, Cove at Rose Creek Subdivision

Dear Nedra:

The above referenced property is located within an Agriculture-3 (A-3) zoning district. This zoning district requires a minimum of five (5) acres for one (1) dwelling unit. Under the County's Land Development Regulations (LDR's) a Special Family Lot Permit can be issued to a family member being; brother, sister, parent, grandparent, child, adopted child, stepchild or grandchild by deeding a minimum of one half acre to said family member meeting the above relationship.

In addition, the plat requires that if someone proposes to build within the areas of localized flooding as indicated on the plat, approval by the County and the Suwannee River Water Management District must be obtained. The County would require a signed and seal letter by an engineer stating that the structure will not cause the flood waters to rise after the structure is completed and that the finished floor elevation be at a minimum of 83.9 feet as also indicated on the plat. I do not know what the Suwannee River Water Management District may require. The applicant would have to provide a letter from the District stating their conditions for approval if any as part of the building permit application. County would be able to issue a building permit if all requirements are met in accordance with State Statutes and all the requirements stated above are met concerning this particular parcel and in accordance with the LDR's.

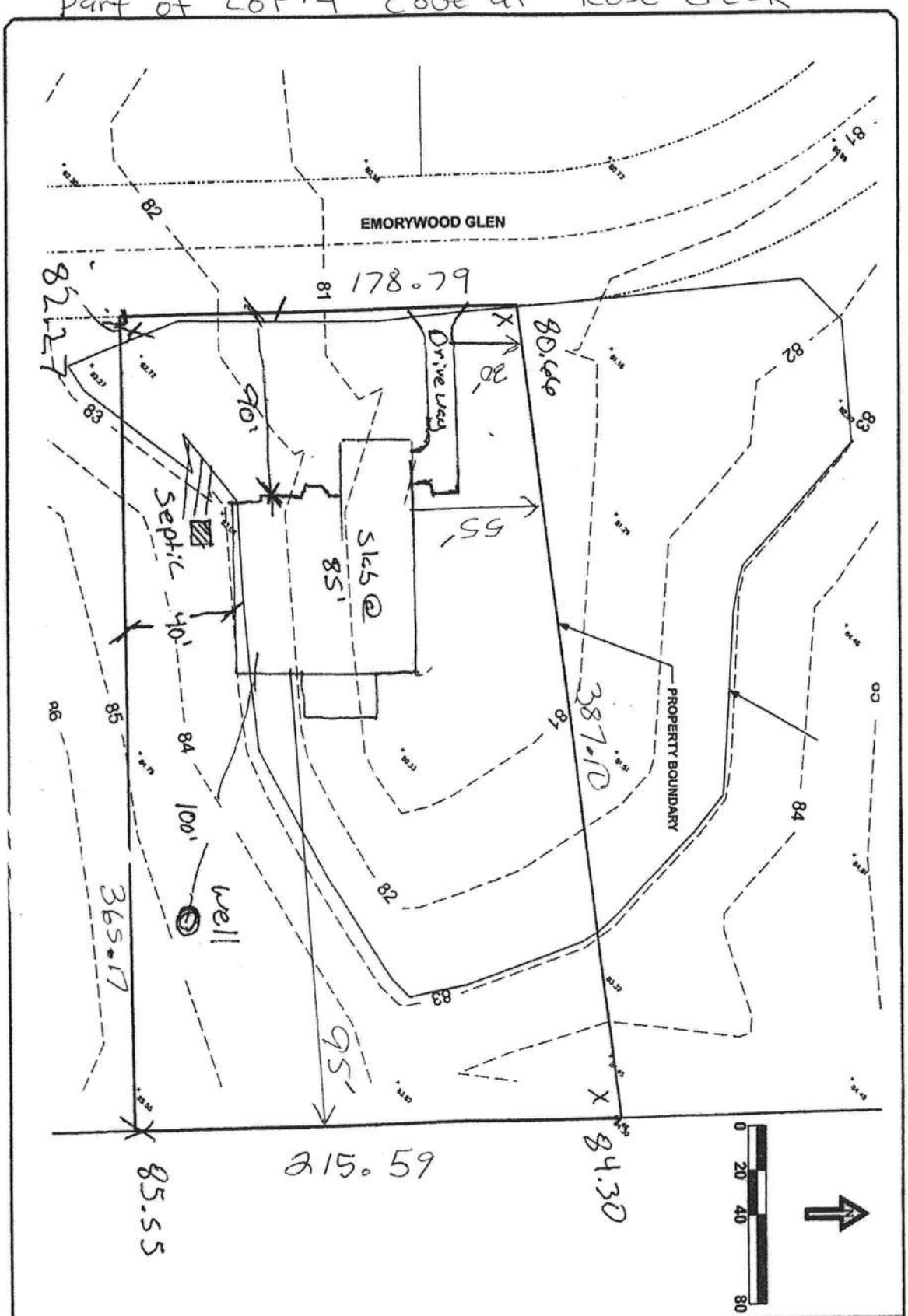
If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

xc: Marlin M. Feagle, County Attorney

Paul Phinney 01-55-16-03397-304
Part of Lot 14 Cove at Rose Creek



...\CAD\exc01.dgn 1/12/2009 7:41:03 PM

David M. Winsberg PE License 68483 P.O. Box 2815 Lake City FL, 32056 Phone: (386) 752-1895	**PAUL PHINNEY RESIDENCE** EXISTING CONDITIONS	DATE	REVISION NOTES
DRAWN BY: DW CHECKED BY: DW PROJECT #: 08C0 SHEET: 1			

Saul Phinney

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 fo 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(
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding	Mayfair	entry door	FL 1311
3. Sectional			
4. Roll up	General American	garage door	FL 2868
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Danvid	Single Hung windows	FL 1369
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	James Hardie	hardiboard Siding	FL 889-R1
2. Soffits	Alcoa	Aluminum	FL 406
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Tamko	30-year Shingles asphault	FL673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

gory/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspectio

Linda Roder

Contractor or Contractor's Authorized Agent Signature

Linda Roder 2-6-09

Print Name Date

Location

Permit # (FOR STAFF USE ONLY)

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**810071PhinneyPaul&Emmy**	Builder:	
Address:		Permitting Office:	
City, State:	**, FL**	Permit Number:	
Owner:	**Paul & Emmy Phinney**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 55.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2525 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble Default) 354.5 ft²	a. Electric Heat Pump	Cap: 55.0 kBtu/hr
b. SHGC:			HSPF: 7.80
(or Clear or Tint DEFAULT)	7b. (Clear) 354.5 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft	c. N/A	
b. Raised Wood, Adjacent	R=19.0, 296.0ft²		
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1310.5 ft²		EF: 0.93
b. Frame, Wood, Adjacent	R=13.0, 212.0 ft²	b. N/A	
c. Frame, Wood, Exterior	R=13.0, 214.0 ft²		
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 1776.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. Under Attic	R=30.0, 1278.0 ft²		
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 220.0 ft		
b. N/A			

Glass/Floor Area: 0.14 Total as-built points: 33560 Total base points: 36636 **PASS**

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

PREPARED BY: _____

DATE: 2/11/09 LEVAN BERNSLEY

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

OWNER/AGENT: _____

DATE: 2-17-09

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2525.0	20.04	9108.2	Double, Clear	S	1.5	10.0	60.0	35.87	0.96	2066.2	
				Double, Clear	S	13.5	6.0	3.0	35.87	0.44	47.8	
				Double, Clear	S	13.5	11.0	42.0	35.87	0.49	739.6	
				Double, Clear	S	17.8	11.0	42.0	35.87	0.47	700.9	
				Double, Clear	W	99.0	11.0	10.0	38.52	0.37	144.3	
				Double, Clear	W	99.0	5.0	3.0	38.52	0.37	43.3	
				Double, Clear	E	99.0	11.0	10.0	42.06	0.36	150.1	
				Double, Clear	W	1.5	7.0	20.0	38.52	0.94	723.4	
				Double, Clear	W	1.5	3.0	6.0	38.52	0.73	168.7	
				Double, Clear	N	1.5	6.0	16.0	19.20	0.94	288.4	
				Double, Clear	N	5.7	8.0	14.0	19.20	0.77	206.0	
				Double, Clear	N	5.7	2.0	3.0	19.20	0.59	34.2	
				Double, Clear	NW	0.5	6.0	12.5	25.97	1.00	323.8	
				Double, Clear	N	0.5	6.0	12.5	19.20	1.00	238.8	
				Double, Clear	NE	0.5	6.0	12.5	29.56	1.00	368.4	
				Double, Clear	E	1.5	7.0	30.0	42.06	0.94	1184.1	
				Double, Clear	N	1.5	10.0	25.0	19.20	0.98	471.3	
				Double, Clear	N	1.5	7.0	8.0	19.20	0.96	146.7	
				Double, Clear	E	1.5	6.0	25.0	42.06	0.91	959.8	
				As-Built Total:				**354.5**			**9005.8**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	212.0	0.70	148.4	Frame, Wood, Exterior	13.0	1310.5	1.50	1965.8
Exterior	1524.5	1.70	2591.7	Frame, Wood, Adjacent	13.0	212.0	0.60	127.2
				Frame, Wood, Exterior	13.0	214.0	1.50	321.0
Base Total:	**1736.5**		**2740.1**	**As-Built Total:**		**1736.5**		**2413.9**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	60.0	1.60	96.0	Exterior Insulated	20.0	4.10	82.0
Exterior	40.0	4.10	164.0	Exterior Insulated	20.0	4.10	82.0
				Adjacent Insulated	40.0	1.60	64.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**100.0**		**260.0**	**As-Built Total:**	**100.0**		**260.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2525.0	1.73	4368.3	Under Attic	30.0	1776.0	1.73 X 1.00	3072.5
				Under Attic	30.0	1278.0	1.73 X 1.00	2210.9
Base Total:	**2525.0**		**4368.3**	**As-Built Total:**		**3054.0**		**5283.4**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=	Points
Slab	204.0(p)	-37.0	-7548.0	Slab-On-Grade Edge Insulation	0.0	204.0(p	-41.20		-8404.8
Raised	296.0	-3.99	-1181.0	Raised Wood, Adjacent	19.0	296.0	0.40		118.4
Base Total:			**-8729.0**	**As-Built Total:**		**500.0**			**-8286.4**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points
	2525.0	10.21	25780.3			2525.0	10.21		25780.3
Summer Base Points: 33527.7				**Summer As-Built Points:**					**34457.0**
Total Summer Points X	System Multiplier	=	Cooling Points	Total Component (System - Points) X	Cap Ratio	Duct Multiplier (DM x DSM x AHU) X	System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 55000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
				34457	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	10292.0
33527.7	**0.4266**		**14302.9**	**34457.0**	**1.00**	**1.138**	**0.263**	**1.000**	**10292.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	2525.0	12.74	5790.3

WALL TYPES

	Area	X BWPM	= Points
Adjacent	212.0	3.60	763.2
Exterior	1524.5	3.70	5640.6
Base Total:	**1736.5**		**6403.8**

DOOR TYPES

	Area	X BWPM	= Points
Adjacent	60.0	8.00	480.0
Exterior	40.0	8.40	336.0
Base Total:	**100.0**		**816.0**

CEILING TYPES

	Area	X BWPM	= Points
Under Attic	2525.0	2.05	5176.3
Base Total:	**2525.0**		**5176.3**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Points
Double, Clear	S	1.5	10.0	60.0	13.30	1.01	807.9
Double, Clear	S	13.5	6.0	3.0	13.30	3.56	141.9
Double, Clear	S	13.5	11.0	42.0	13.30	3.07	1714.2
Double, Clear	S	17.8	11.0	42.0	13.30	3.37	1880.3
Double, Clear	W	99.0	11.0	10.0	20.73	1.24	256.6
Double, Clear	W	99.0	5.0	3.0	20.73	1.24	77.0
Double, Clear	E	99.0	11.0	10.0	18.79	1.51	283.2
Double, Clear	W	1.5	7.0	20.0	20.73	1.02	421.4
Double, Clear	W	1.5	3.0	6.0	20.73	1.08	134.8
Double, Clear	N	1.5	6.0	16.0	24.58	1.00	394.2
Double, Clear	N	5.7	8.0	14.0	24.58	1.01	348.9
Double, Clear	N	5.7	2.0	3.0	24.58	1.03	75.7
Double, Clear	NW	0.5	6.0	12.5	24.30	1.00	303.5
Double, Clear	N	0.5	6.0	12.5	24.58	1.00	307.2
Double, Clear	NE	0.5	6.0	12.5	23.57	1.00	294.3
Double, Clear	E	1.5	7.0	30.0	18.79	1.03	578.8
Double, Clear	N	1.5	10.0	25.0	24.58	1.00	614.6
Double, Clear	N	1.5	7.0	8.0	24.58	1.00	196.9
Double, Clear	E	1.5	6.0	25.0	18.79	1.04	486.5
As-Built Total:				**354.5**			**9317.6**

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	13.0	1310.5	3.40	4455.7
Frame, Wood, Adjacent	13.0	212.0	3.30	699.6
Frame, Wood, Exterior	13.0	214.0	3.40	727.6
As-Built Total:		**1736.5**		**5882.9**

Type	Area X	WPM	= Points
Exterior Insulated	20.0	8.40	168.0
Exterior Insulated	20.0	8.40	168.0
Adjacent Insulated	40.0	8.00	320.0
Adjacent Insulated	20.0	8.00	160.0
As-Built Total:	**100.0**		**816.0**

Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	30.0	1776.0	2.05 X 1.00	3640.8
Under Attic	30.0	1278.0	2.05 X 1.00	2619.9
As-Built Total:		**3054.0**		**6260.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	204.0(p)	8.9	1815.6	Slab-On-Grade Edge Insulation	0.0	204.0(p	18.80		3835.2
Raised	296.0	0.96	284.2	Raised Wood, Adjacent	19.0	296.0	2.20		651.2
Base Total:			**2099.8**	**As-Built Total:**		**500.0**			**4486.4**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	2525.0	-0.59	-1489.7			2525.0	-0.59		-1489.7
Winter Base Points:			**18796.4**	**Winter As-Built Points:**					**25273.9**
Total Winter Points X	System Multiplier	=	Heating Points	Total Component (System - Points) X	Cap Ratio	Duct Multiplier (DM x DSM x AHU) X	System Multiplier	Credit Multiplier =	Heating Points
				(sys 1: Electric Heat Pump 55000 btuh ,EFF(7.8) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
				25273.9	1.000	(1.069 x 1.169 x 0.93)	0.437	1.000	12841.2
18796.4	**0.6274**		**11792.9**	**25273.9**	**1.00**	**1.162**	**0.437**	**1.000**	**12841.2**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4		2635.00	10540.0	40.0	0.93	4	1.00	2606.67	1.00	10426.7	
				As-Built Total:						**10426.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
14303	**11793**	**10540**	**36636**	**10292**	**12841**	**10427**	**33560**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.7

The higher the score, the more efficient the home.

Paul & Emmy Phinney, , , FL,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 55.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	4			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	2525 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 354.5 ft²			a. Electric Heat Pump	Cap: 55.0 kBtu/hr
	b. SHGC:					HSPF: 7.80
	(or Clear or Tint DEFAULT)	7b. (Clear) 354.5 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft			c. N/A	
	b. Raised Wood, Adjacent	R=19.0, 296.0ft²				
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1310.5 ft²				EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 212.0 ft²			b. N/A	
	c. Frame, Wood, Exterior	R=13.0, 214.0 ft²				
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1776.0 ft²		15.	HVAC credits	
	b. Under Attic	R=30.0, 1278.0 ft²			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 220.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

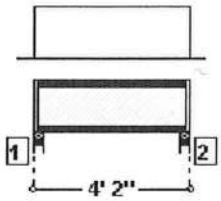
1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

TJI-6

11 7/8" TJI® 560 @ 24" o/c

TJ-Beam® 6.30 Serial Number: 7002001988
User: 1 1/20/2009 12:03:16 PM
Page 1 Engine Version: 6.30.14

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED



Product Diagram is Conceptual.

LOADS:

Analysis is for a Joist Member.
Primary Load Group - Residential - Living Areas (psf): 40.0 Live at 100 % duration, 15.0 Dead
Vertical Loads:

Type	Class	Live	Dead	Location	Application	Comment
Uniform(plf)	Floor(1.00)	80.0	30.0	0 To 4' 2"	Adds To	

SUPPORTS:

		Input Width	Bearing Length	Vertical Reactions (lbs) Live/Dead/Uplift/Total	Detail	Other
1	Stud wall	3.50"	2.25"	333 / 125 / 0 / 458	A3: Rim Board	1 Ply 1 1/4" x 11 7/8" 0.8E TJ-Strand Rim Board®
2	Stud wall	3.50"	2.25"	333 / 125 / 0 / 458	A3: Rim Board	1 Ply 1 1/4" x 11 7/8" 0.8E TJ-Strand Rim Board®

-See iLevel® Specifier's/Builder's Guide for detail(s): A3: Rim Board

DESIGN CONTROLS:

	Maximum	Design	Control	Result	Location
Shear (lbs)	413	-394	2050	Passed (19%)	Rt. end Span 1 under Floor loading
Vertical Reaction (lbs)	413	413	1396	Passed (30%)	Bearing 2 under Floor loading
Moment (Ft-Lbs)	387	387	9500	Passed (4%)	MID Span 1 under Floor loading
Live Load Defl (in)		0.005	0.094	Passed (L/999+)	MID Span 1 under Floor loading
Total Load Defl (in)		0.007	0.188	Passed (L/999+)	MID Span 1 under Floor loading
TJPro		70	30	Passed	Span 1

-Deflection Criteria: STANDARD(LL:L/480,TL:L/240).
-Deflection analysis is based on composite action with single layer of 23/32" Panels (24" Span Rating) GLUED & NAILED wood decking.
-Bracing(Lu): All compression edges (top and bottom) must be braced at 4' 2" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

TJ-Pro RATING SYSTEM

-The TJ-Pro Rating System value provides additional floor performance information and is based on a GLUED & NAILED 23/32" Panels (24" Span Rating) decking. The controlling span is supported by walls. Additional considerations for this rating include: Ceiling - None. A structural analysis of the deck has not been performed by the program. Comparison Value: 1.73

ADDITIONAL NOTES:

-IMPORTANT! The analysis presented is output from software developed by iLevel®. iLevel® warrants the sizing of its products by this software will be accomplished in accordance with iLevel® product design criteria and code accepted design values. The specific product application, input design loads, and stated dimensions have been provided by the software user. This output has not been reviewed by an iLevel® Associate.
-Not all products are readily available. Check with your supplier or iLevel® technical representative for product availability.
-THIS ANALYSIS FOR iLevel® PRODUCTS ONLY! PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.
-Allowable Stress Design methodology was used for Building Code IBC analyzing the iLevel® Distribution product listed above.

PROJECT INFORMATION:

PAUL & EMMY PHINNEY
COLUMBIA CTY., FL

OPERATOR INFORMATION:

Jeremy Payne
BFS
2525 E. Duval Street
Lake City, FL 32055
Phone : 386-755-6894
Fax : 386-755-7973
jeremy.payne@bldr.com

TJI-10

11 7/8" TJI® 560 @ 24" o/c

TJ-Beam® 6.30 Serial Number: 7093001988
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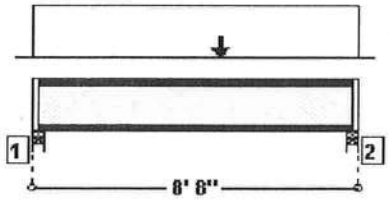
Page 1 Engine Version: 6.30.14

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED



Product Diagram is Conceptual.

LOADS:

Analysis is for a Joist Member.
Primary Load Group - Residential - Living Areas (psf): 40.0 Live at 100 % duration, 15.0 Dead
Vertical Loads:

Type	Class	Live	Dead	Location	Application	Comment
Point(lbs)	Floor(1.00)	0	560	5'	-	

SUPPORTS:

		Input Width	Bearing Length	Vertical Reactions (lbs) Live/Dead/Uplift/Total	Detail	Other
1	Stud wall	3.50"	2.25"	347 / 365 / 0 / 711	A3: Rim Board	1 Ply 1 1/4" x 11 7/8" 0.8E TJ-Strand Rim Board®
2	Stud wall	3.50"	2.25"	347 / 455 / 0 / 802	A3: Rim Board	1 Ply 1 1/4" x 11 7/8" 0.8E TJ-Strand Rim Board®

-See iLevel® Specifier's/Builder's Guide for detail(s): A3: Rim Board

DESIGN CONTROLS:

	Maximum	Design	Control	Result	Location
Shear (lbs)	-779	-770	2050	Passed (38%)	Rt. end Span 1 under Floor loading
Vertical Reaction (lbs)	779	779	1396	Passed (56%)	Bearing 2 under Floor loading
Moment (Ft-Lbs)	2036	2036	9500	Passed (21%)	MID Span 1 under Floor loading
Live Load Defl (in)		0.022	0.206	Passed (L/999+)	MID Span 1 under Floor loading
Total Load Defl (in)		0.059	0.412	Passed (L/999+)	MID Span 1 under Floor loading
TJPro		64	30	Passed	Span 1

-Deflection Criteria: STANDARD(LL:L/480,TL:L/240).
-Deflection analysis is based on composite action with single layer of 23/32" Panels (24" Span Rating) GLUED & NAILED wood decking.
-Bracing(Lu): All compression edges (top and bottom) must be braced at 8' 8" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

TJ-Pro RATING SYSTEM

-The TJ-Pro Rating System value provides additional floor performance information and is based on a GLUED & NAILED 23/32" Panels (24" Span Rating) decking. The controlling span is supported by walls. Additional considerations for this rating include: Ceiling - None. A structural analysis of the deck has not been performed by the program. Comparison Value: 1.73

ADDITIONAL NOTES:

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PROJECT INFORMATION:

PAUL & EMMY PHINNEY
COLUMBIA CTY., FL

OPERATOR INFORMATION:

Jeremy Payne
BFS
2525 E. Duval Street
Lake City, FL 32055
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Fax : 386-755-7973
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TJI-14

11 7/8" TJI® 560 @ 24" o/c

TJ-Beam® 6.30 Serial Number: 7002001388
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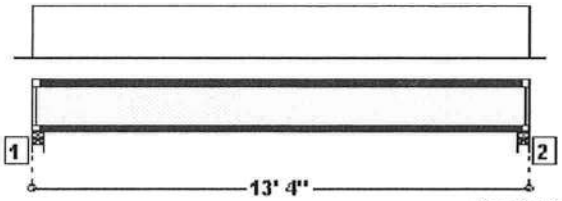
THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED



Product Diagram is Conceptual.

LOADS:

Analysis is for a Joist Member.
Primary Load Group - Residential - Living Areas (psf): 40.0 Live at 100 % duration, 15.0 Dead

SUPPORTS:

		Input Width	Bearing Length	Vertical Reactions (lbs) Live/Dead/Uplift/Total	Detail	Other
1	Stud wall	3.50"	3.50"	533 / 200 / 0 / 733	A1: Blocking	1 Ply 11 7/8" TJI® 560
2	Stud wall	3.50"	3.50"	533 / 200 / 0 / 733	A1: Blocking	1 Ply 11 7/8" TJI® 560

-See iLevel® Specifier's/Builder's Guide for detail(s): A1: Blocking

DESIGN CONTROLS:

	Maximum	Design	Control	Result	Location
Shear (lbs)	710	-701	2050	Passed (34%)	Rt. end Span 1 under Floor loading
Vertical Reaction (lbs)	710	710	1725	Passed (41%)	Bearing 2 under Floor loading
Moment (Ft-Lbs)	2294	2294	9500	Passed (24%)	MID Span 1 under Floor loading
Live Load Defl (in)		0.092	0.323	Passed (L/999+)	MID Span 1 under Floor loading
Total Load Defl (in)		0.127	0.646	Passed (L/999+)	MID Span 1 under Floor loading
TJPro		54	30	Passed	Span 1

-Deflection Criteria: STANDARD(LL:L/480,TL:L/240).
-Deflection analysis is based on composite action with single layer of 23/32" Panels (24" Span Rating) GLUED & NAILED wood decking.
-Bracing(Lu): All compression edges (top and bottom) must be braced at 10' 2" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

TJ-Pro RATING SYSTEM

-The TJ-Pro Rating System value provides additional floor performance information and is based on a GLUED & NAILED 23/32" Panels (24" Span Rating) decking. The controlling span is supported by walls. Additional considerations for this rating include: Ceiling - None. A structural analysis of the deck has not been performed by the program. Comparison Value: 1.73

ADDITIONAL NOTES:

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-Allowable Stress Design methodology was used for Building Code IBC analyzing the iLevel® Distribution product listed above.

PROJECT INFORMATION:

PAUL & EMMY PHINNEY
COLUMBIA CTY., FL

OPERATOR INFORMATION:

Jeremy Payne
BFS
2525 E. Duval Street
Lake City, FL 32055
Phone : 386-755-6894
Fax : 386-755-7973
jeremy.payne@bldr.com

PAUL PHINNEY RESIDENCE

FOR PROPERTY LOCATED AT
SECTION 1, TOWNSHIP 5 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

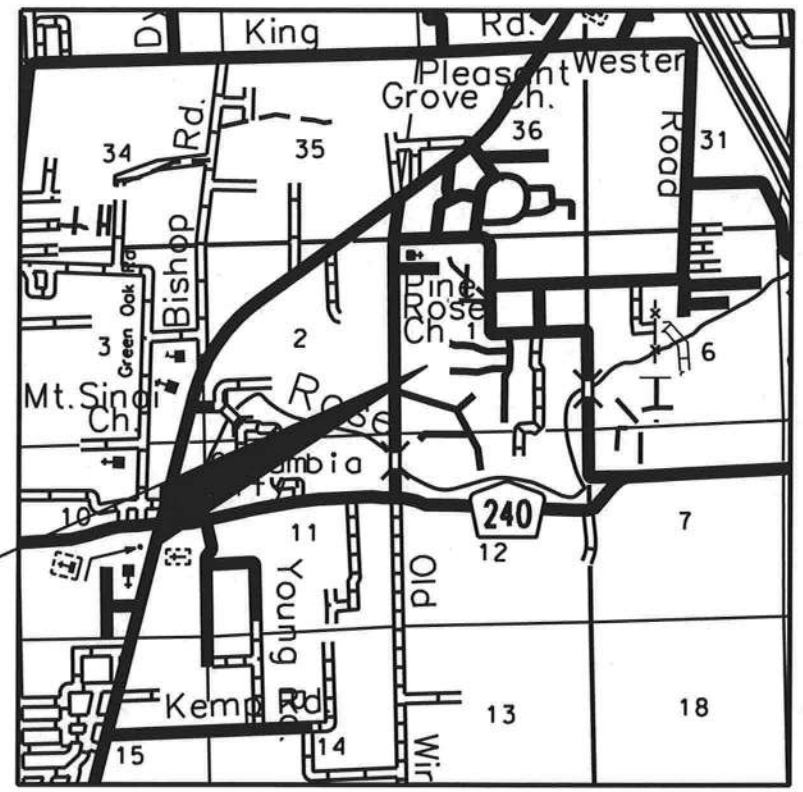
DESIGNED FOR
Paul Phinney
385 SW Peace Drive
Lake City, FL 32024
Phone: (386)-984-0905

DESIGNED BY
David M. Winsberg
PE License 68463
P.O. Box 2815
Lake City FL, 32056
Phone: (386) 752-1895
Cell: (386)-623-4999
www.davidwinsberg.com

PROJECT NUMBER
08C0

Final Construction Plans

LOCATION MAP (1" = 1 Mile)



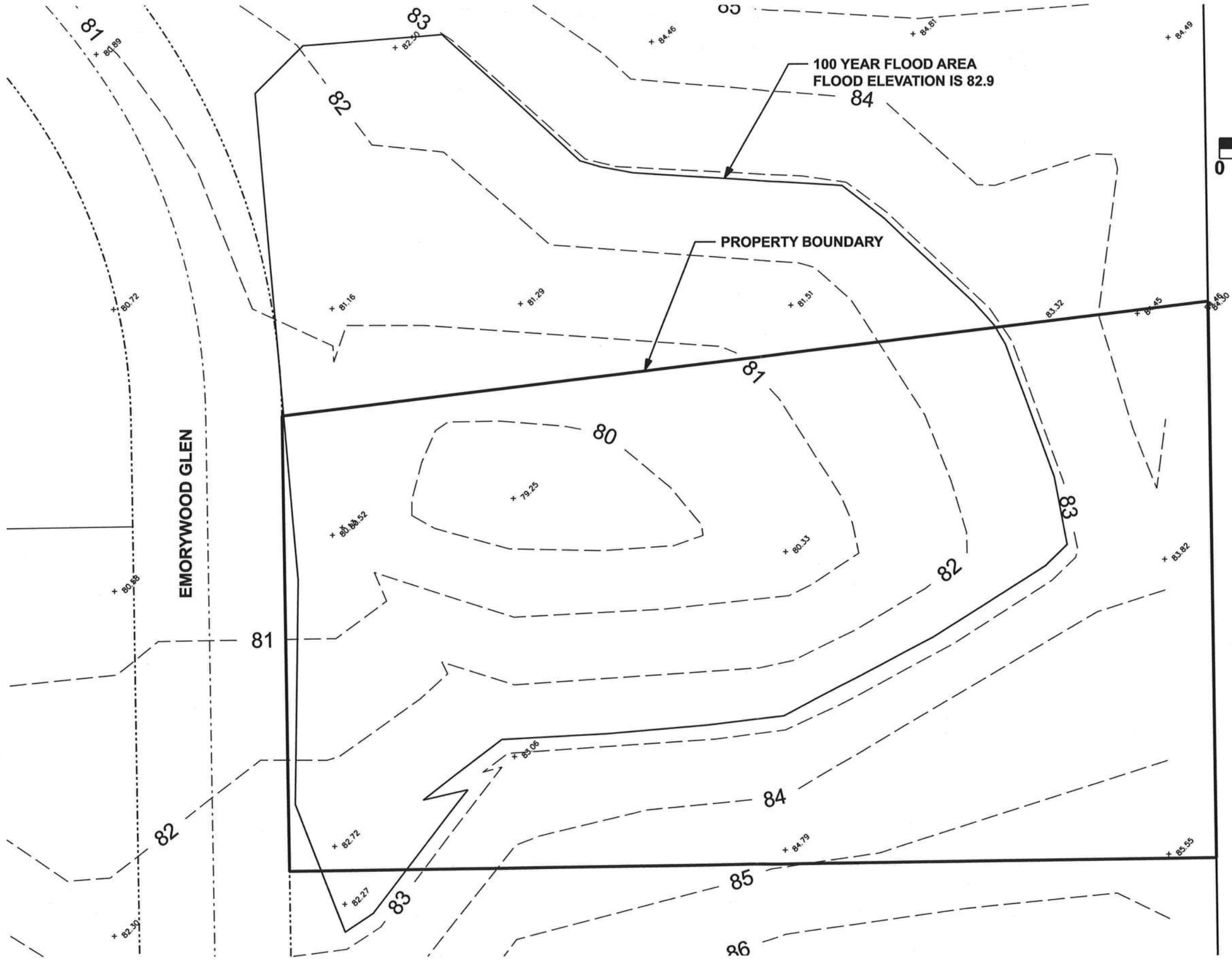
PROJECT LOCATION

AREA MAP (1" = 6 Miles)

DATE	REVISIONS	REQUESTED BY

SHEET INDEX

David Winsberg
Feb 3, 2009



DATE	REVISION NOTES

PAUL PHINNEY RESIDENCE

EXISTING CONDITIONS

David
Winsberg
Feb 3, 2009

David M. Winsberg
PE License 68463
P.O. Box 2815
Lake City FL, 32056
Phone: (386) 752-1895

DRAWN BY	CHECKED BY
DW	DW
PROJECT #	**SHEET**
08C0	**1**

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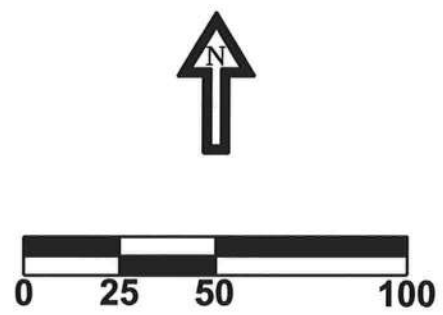
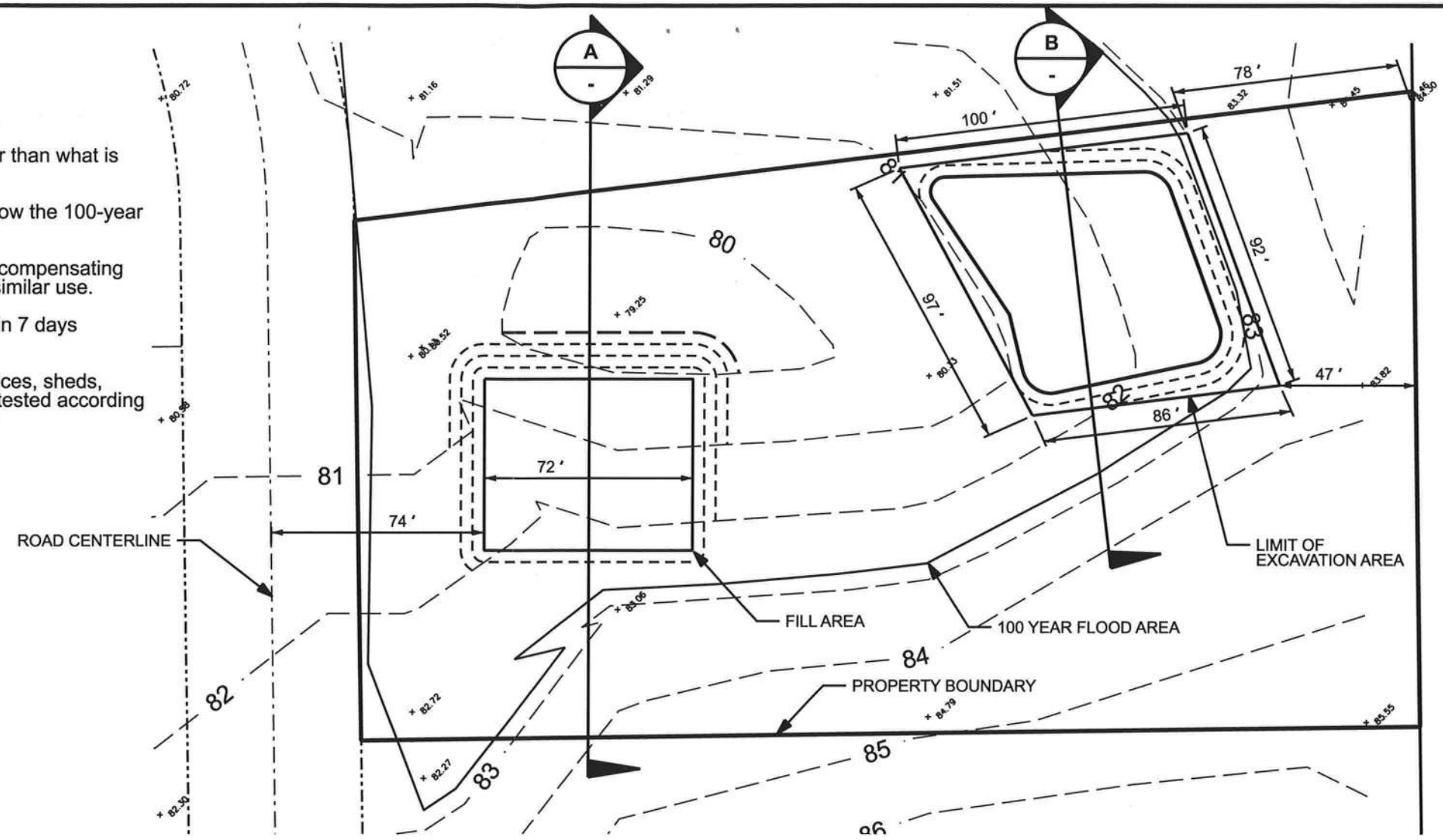
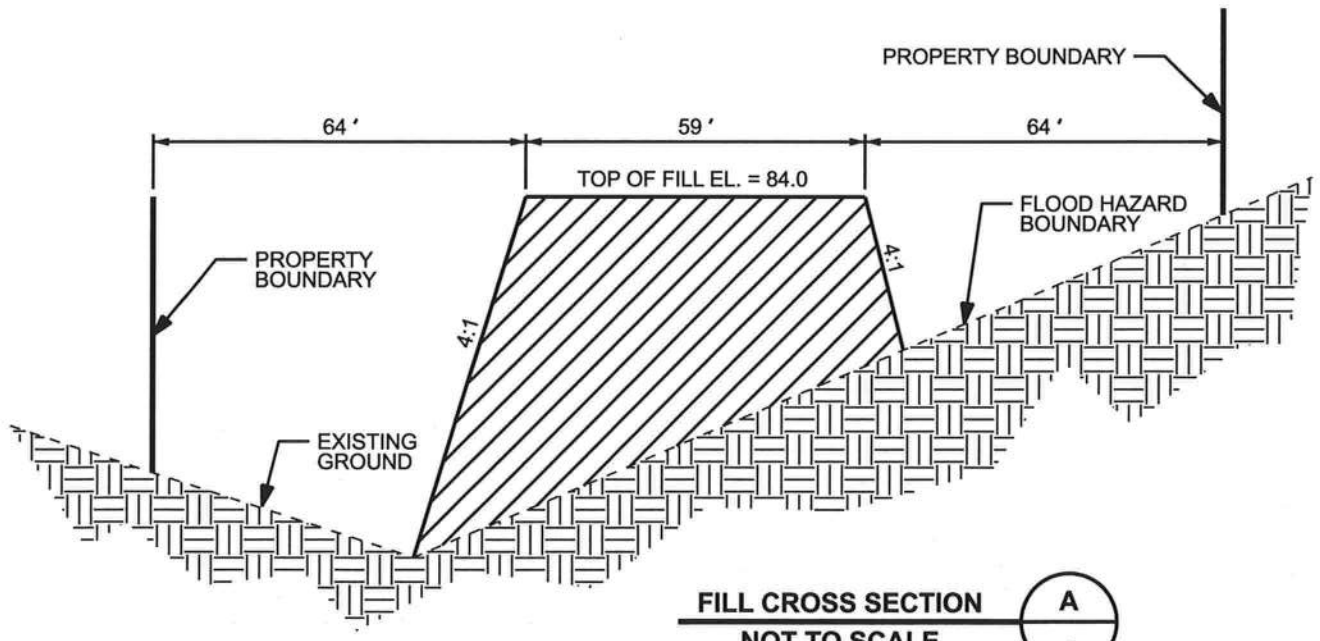
GENERAL NOTES

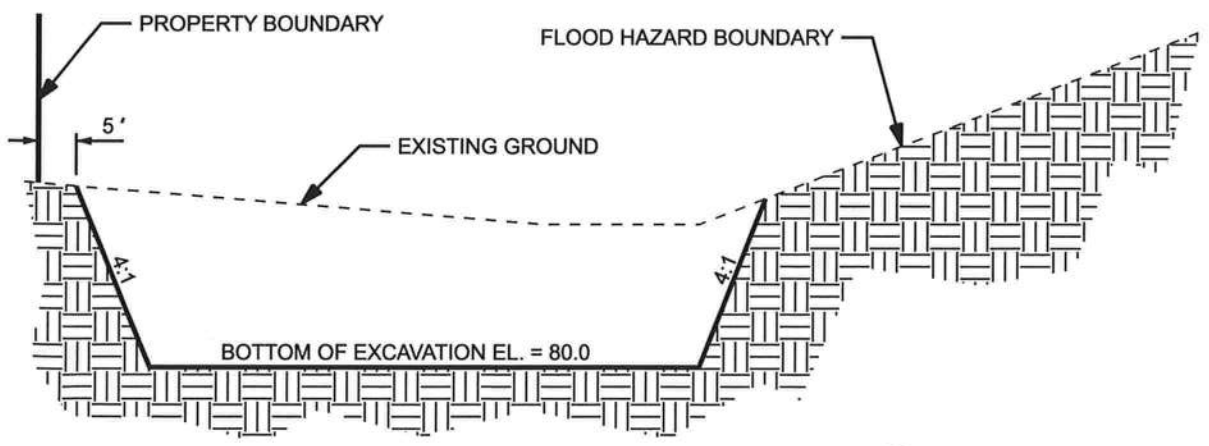
1. The driveway for this residence shall be constructed at grade.
2. No fill shall be placed below the 100 year flood elevation other than what is specifically shown in these plans.
3. There shall be no other structures (such as sheds) placed below the 100-year flood elevation.
4. No fill shall be placed in the compensating storage area. The compensating storage area shall not be converted into a pond or any other similar use.
5. The compensating area shall be seeded with grass seed within 7 days after completion.
6. All fill dirt that is placed inside the area(s) where buildings (offices, sheds, houses, etc...) will be constructed shall be compacted and/or tested according to requirements as specified by the applicable building codes.







FILL CROSS SECTION A / NOT TO SCALE -



EXCAVATION CROSS SECTION B / NOT TO SCALE -

DATE	REVISION NOTES
01-26-2009	ADDED GENERAL NOTES
02-02-2009	ADDED COMPACTION NOTE

PAUL PHINNEY RESIDENCE

SITE PLAN

David Winsberg
Feb 3, 2009

David M. Winsberg
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P.O. Box 2815
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DRAWN BY	CHECKED BY
DW	DW
PROJECT #	SHEET
08C0	2

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PAUL PHINNEY RESIDENCE

FOR PROPERTY LOCATED AT
SECTION 1, TOWNSHIP 5 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

DESIGNED FOR
Paul Phinney
385 SW Peace Drive
Lake City, FL 32024
Phone: (386)-984-0905

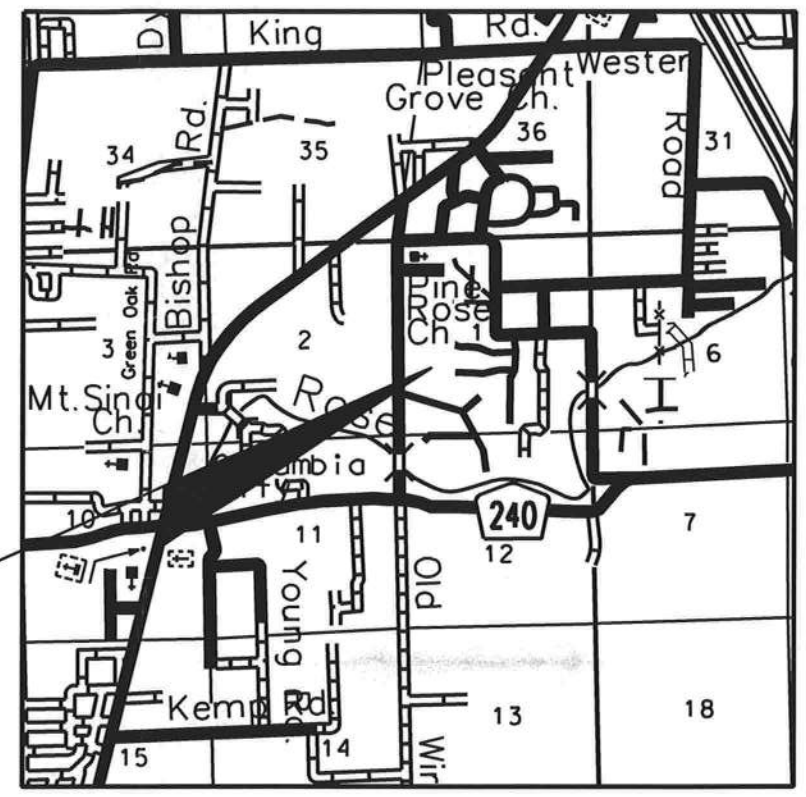
DESIGNED BY
David M. Winsberg
PE License 68463
P.O. Box 2815
Lake City FL, 32056
Phone: (386) 752-1895
Cell: (386)-623-4999
www.davidwinsberg.com

PROJECT NUMBER
08C0

Final Construction Plans

PROJECT LOCATION

LOCATION MAP (1" = 1 Mile)



AREA MAP (1" = 6 Miles)

SHEET INDEX

DATE	REVISIONS	REQUESTED BY

David Winsberg
March 9, 2009

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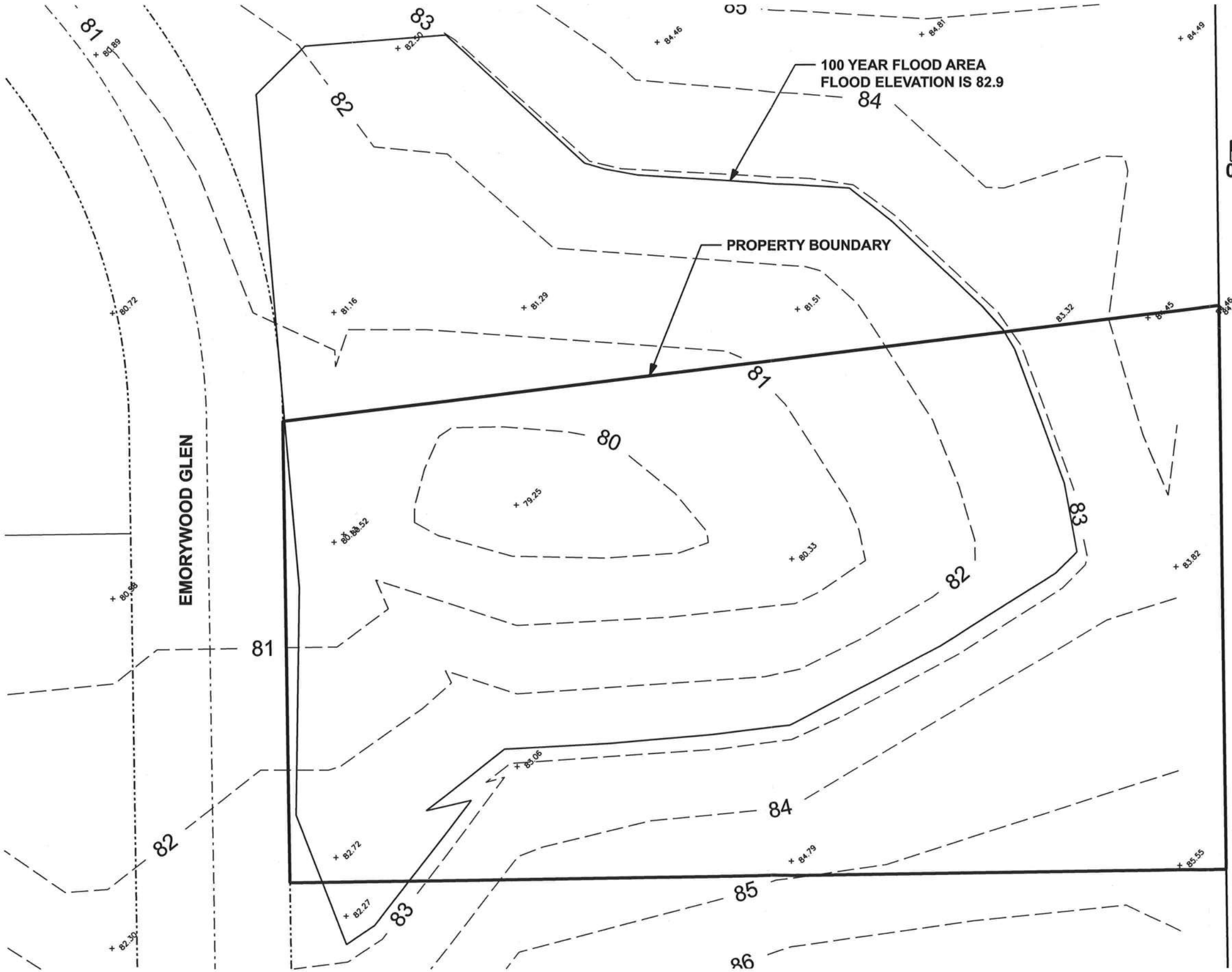

DATE	REVISION NOTES

PAUL PHINNEY RESIDENCE

EXISTING CONDITIONS

David Winsberg March 9, 2009

David M. Winsberg
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Phone: (386) 752-1895

DRAWN BY	CHECKED BY
DW	DW
PROJECT #	**SHEET**
08C0	**1**

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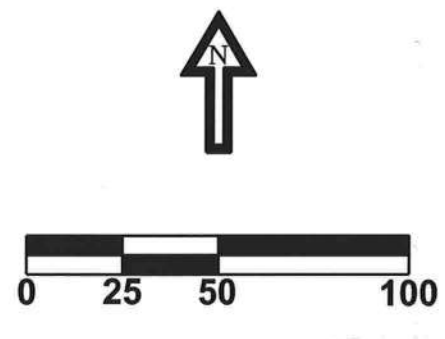
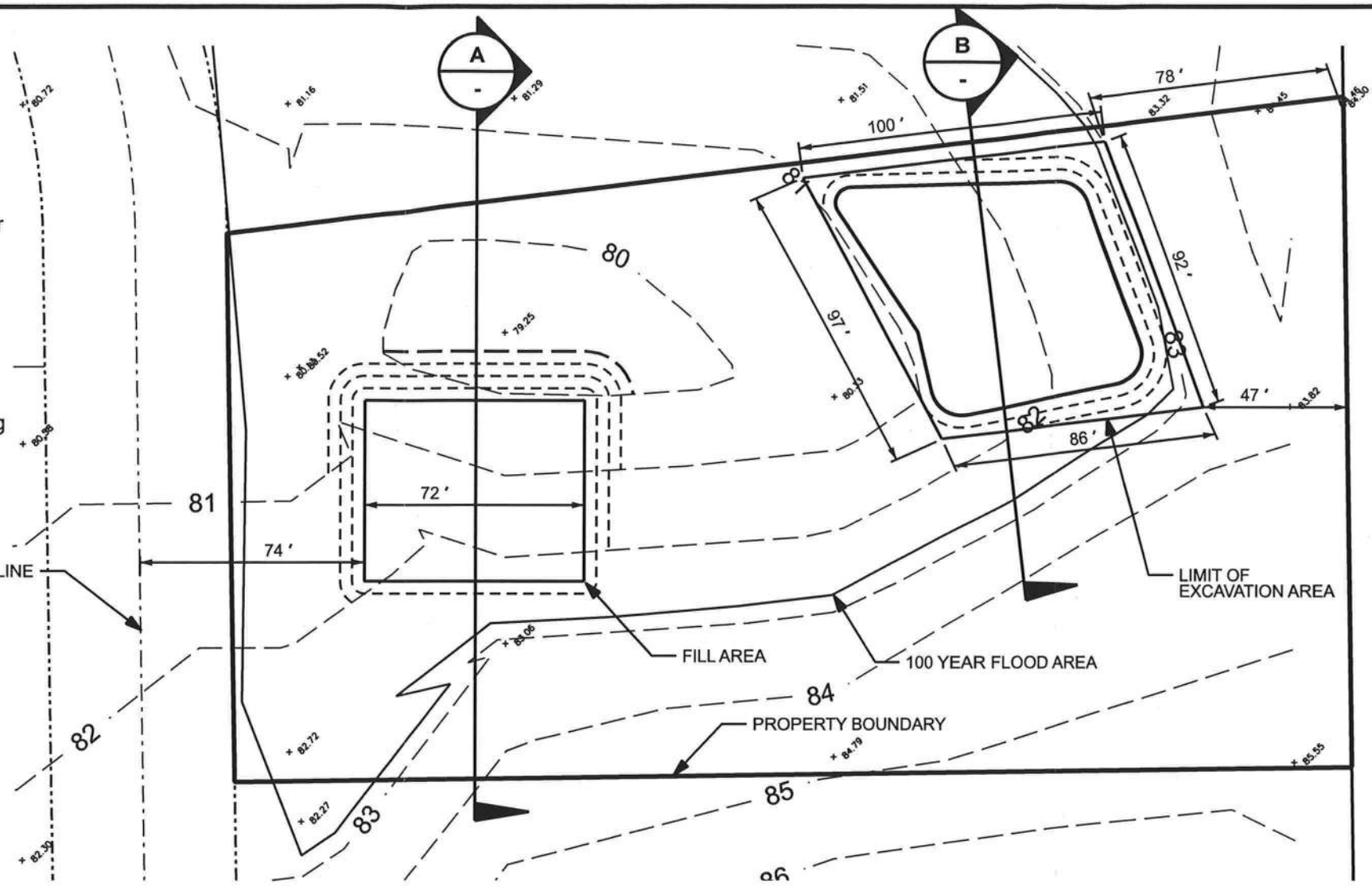
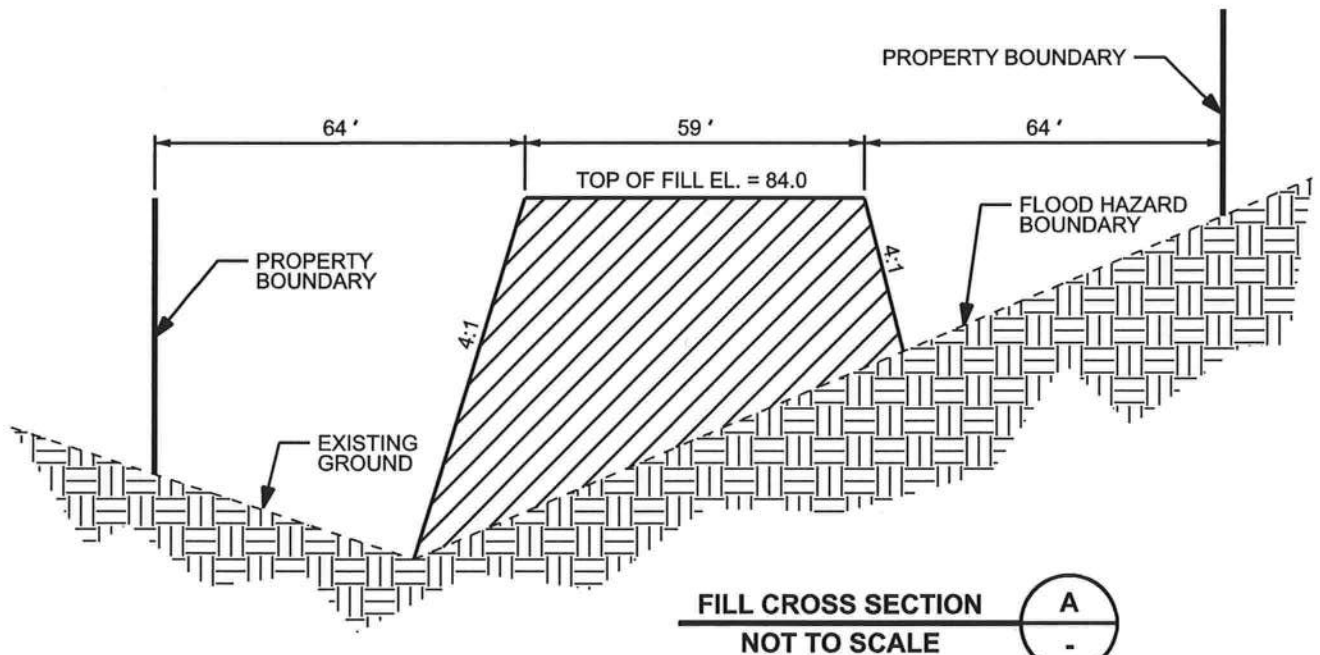
GENERAL NOTES

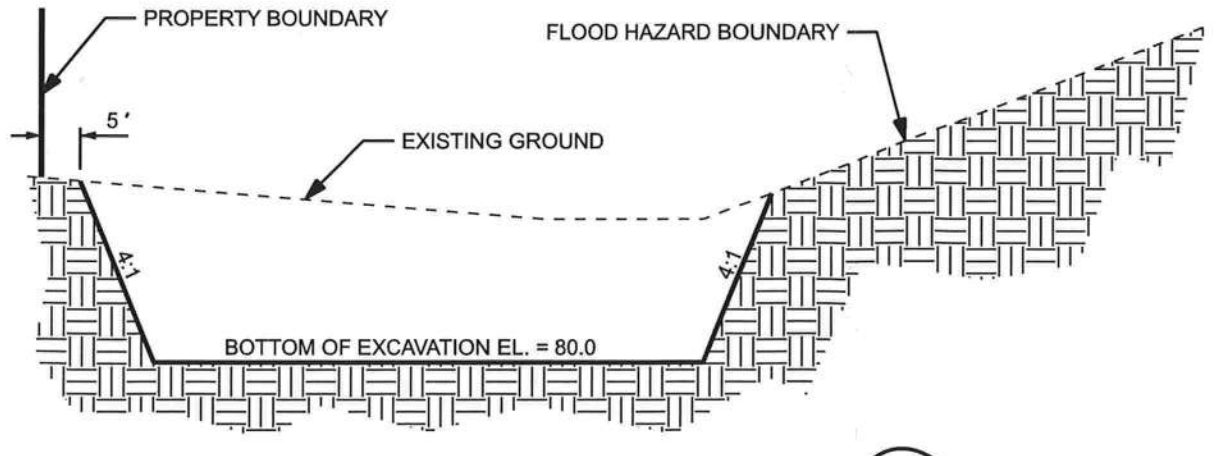
1. The driveway for this residence shall be constructed at grade.
2. No fill shall be placed below the 100 year flood elevation other than what is specifically shown in these plans.
3. There shall be no other structures (such as sheds) placed below the 100-year flood elevation.
4. No fill shall be placed in the compensating storage area. The compensating storage area shall not be converted into a pond or any other similar use.
5. The compensating area shall be seeded with grass seed within 7 days after completion.
6. All fill dirt that is placed inside the area(s) where buildings (offices, sheds, houses, etc...) will be constructed shall be compacted and/or tested according to requirements as specified by the applicable building codes.







FILL CROSS SECTION A / NOT TO SCALE



EXCAVATION CROSS SECTION B / NOT TO SCALE

DATE	REVISION NOTES
01-26-2009	ADDED GENERAL NOTES
02-02-2009	ADDED COMPACTION NOTE

PAUL PHINNEY RESIDENCE

SITE PLAN

David Winsberg March 8, 2009

David M. Winsberg
PE License 68463
P.O. Box 2815
Lake City FL, 32056
Phone: (386) 752-1895

DRAWN BY	CHECKED BY
DW	DW
PROJECT #	SHEET
08C0	2

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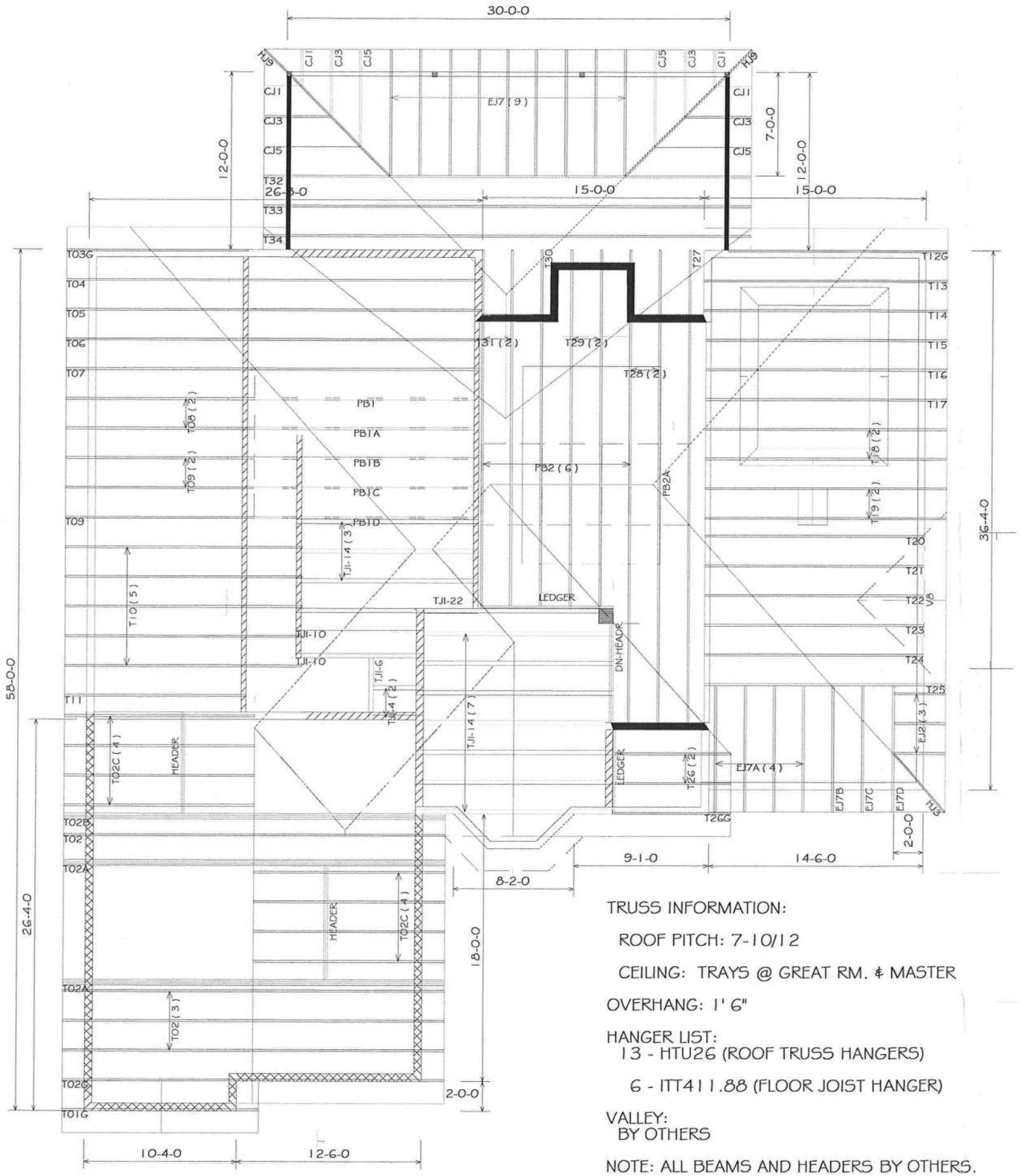

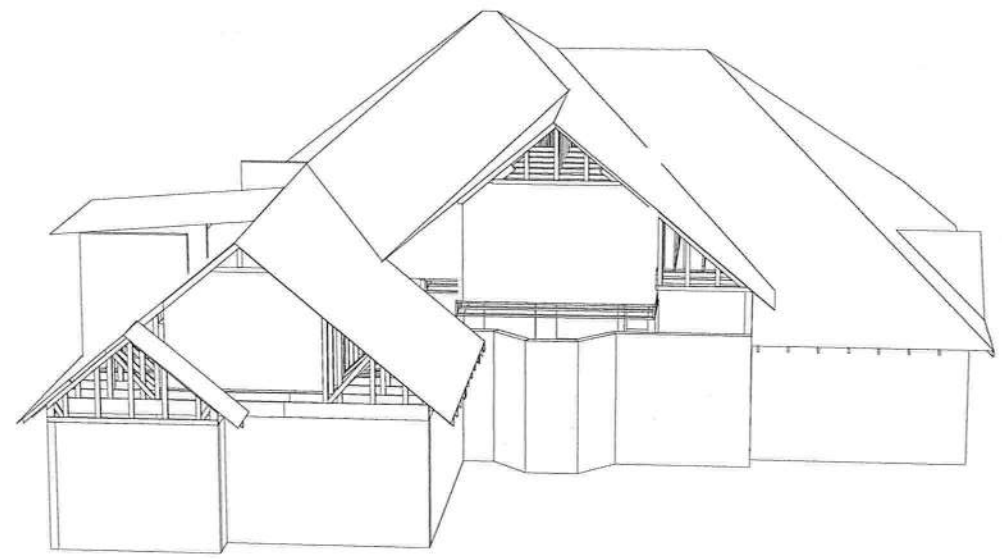

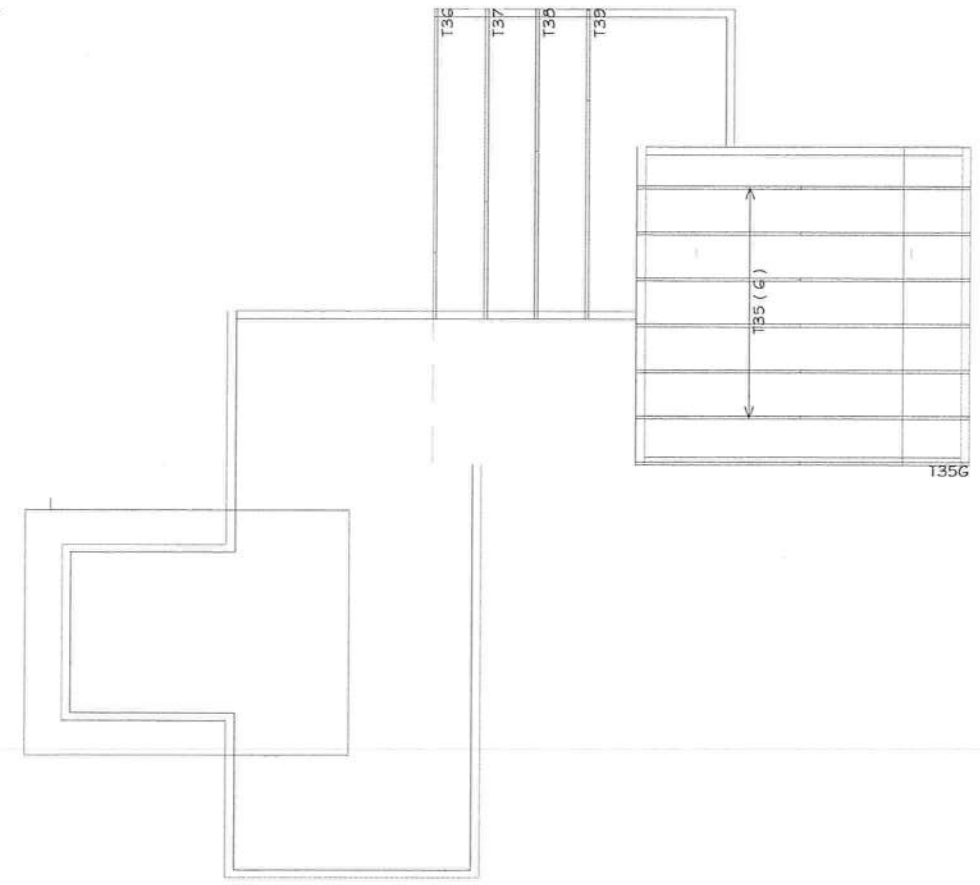

TRUSS INFORMATION:

ROOF PITCH: 7-10/12

CEILING: TRAYS @ GREAT RM. & MASTER

OVERHANG: 1' 6"

HANGER LIST:
13 - HTU26 (ROOF TRUSS HANGERS)

6 - ITT411.88 (FLOOR JOIST HANGER)

VALLEY:
BY OTHERS

NOTE: ALL BEAMS AND HEADERS BY OTHERS.

BEARING HEIGHT SCHEDULE

	9' 0"
	10' 0"
	8' 0"
	12' 0"

NOTES:

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

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

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

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

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

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

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

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

SHOP DRAWING APPROVAL

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

Requested Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource

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

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

Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

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

BUILDER: SKYLINE HOMES		
LEGAL ADDRESS: COLUMBIA CTY., FL		
MODEL: PHINNEY RES.		REVISION: SCALE: NTS
DATE: 02/03/09	DRAWN BY: JP	JOB #: 294475