DATE 02/10/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028363

APPLICANT JOSH SPARKS PHONE 623-0575

ADDRESS 202 W DUVAL ST. LAKE CITY FL 32055

OWNER DONALD BARTH PHONE

ADDRESS 1421 SW SR 47 FT. WHITE FL 32038

CONTRACTOR JOSH SPARKS PHONE 623-0575

LOCATION OF PROPERTY 47S, TL GRASSY LANE, 1ST HOUSE ON LEFT CORNER

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 143750.00

HEATED FLOOR AREA 2107.00 TOTAL AREA 2875.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT

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

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

PARCEL ID 10-6S-16-03814-102 SUBDIVISION SOUTH FORK

LOT 2 BLOCK PHASE UNIT TOTAL ACRES 10.00

		CBC1252260		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
FDOT	10-0023	BK	WR	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE, ONE FOOT ABOVE THE ROAD, FDOT APPROVAL ON FILE

Check # or Cash 5424

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 $ 720.00 CERTIFICATION FEE $ 14.38 SURCHARGE FEE $ 14.38

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** 823.76

INSPECTORS OFFICE Gale Eddins 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.

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 1/15/2010 **DATE ISSUED:** 1/20/2010

ENHANCED 9-1-1 ADDRESS:

14721 SW STATE ROAD 47

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

10-6S-16-03814-102

Remarks:

AKA LOT 2 SOUTHFORK S/D UNREC

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.

1623

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

January 29, 2010

Notice to All Contractors:
Re: Don Barth

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results. All wells will have a pump & tank combination that will be sufficient enough for each situation.

If you have any questions please feel free to call our office.

Thank You,

Russell Davis

☑ MARK GANSKOP W.C

☑ LICENSE updated

Columbia County Building Permit Application

For Office Use Only Application # 1001-25 Date Received 1-29-10 By LH Permit # 28363
Zoning Official BLK Date 03.02.10 Flood Zone X Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE 1ft above Rd River N/A Plans Examiner (JW) Date 2-1-10
Comments
☑ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☑ State Road Info □ Parent Parcel #
□ Dev Permit # □ In Floodway □ Letter of Auth. from Contractor NA F W Comp. letter
IMPACT FEES: EMS Fire Corr Road/Code
School = TOTAL N/A Suspended App Fee Paid ☑

Septic Permit No. 10-0023 623-0575 Fax 386-755-7156

Name Authorized Person Signing Permit Josh Sparks Phone 386-755-9314

Address 202 W Duval St Lake City FL, 32055

Owners Name Donald Barth Phone

911 Address 1421 SW State Road 47 Ft. White Fl, 32038

Contractors Name Josh Sparks Phone 386-623-0575

Address 202 W Duval St Lake City FL, 32055

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Disosway Engineering 163 SW Midtown Place Lake City Fl 32025

Mortgage Lenders Name & Address

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

Property ID Number 10-6S-16-03814-102 Estimated Cost of Construction 180,000.-

Subdivision Name South Fork S/D Unrec. Lot 2 Block Unit Phase

Driving Directions

South on hwy 47 left on Grassy lane house on Left Corner

Number of Existing Dwellings on Property 0

Construction of New home SFD FDOT Total Acreage 10.01 Lot Size 10.01

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

Actual Distance of Structure from Property Lines - Front 275' Side 260' Side 260' Rear 275'

Number of Stories 1 Heated Floor Area 2,107 Total Floor Area 2,875 Roof Pitch 6/12

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

- JW spoke w/ Josh 2.3.10 . Ref. Ganskop, M W.C update.

Columbia County Building Permit Application

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

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

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

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

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

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

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

(Owners Must Sign All Applications Before Permit Issuance.)

Don Barth
Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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

Contractor's Signature (Permitee)

Contractor's License Number CBC1252260
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 28th **day of** JAN **20** 10.

Personally known V **or Produced Identification**_____

State of Florida Notary Signature (For the Contractor)

SEAL:

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

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

FAX MEMORANDUM

MEMORANDUM

FLORIDA DEPARTMENT OF TRANSPORTATION

To: Mr. John Kerce, Dept. Director Columbia Co. Building Dept. Fax No: 904-758-2160	From: Neil E. Miles, FDOT Permits Coor. Date: 2-10-10 Fax No. 904-961-7180 Attention: In-House Staff

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

Reason for Contact. REVIEW OF PROPERTY OWNERS PRE-EXISTING DRIVEWAY ACCESS FOR CURRENT COMPLIANCE WITH FDOT ACCESS MANAGEMENT STANDARDS FOR MR. DONALD BARTH.

RE: Existing Residential Driveway Connection / Inspected On: 02-10-10
PROJECT: RESIDENTIAL ACCESS REVIEW
PHY. ADDRESS: 14721 SW STREET, STATE RD. 47 S FT. WHITE, FL. 32038
PROPT. OWNER: DONALD BARTH
STATE ROAD No: Highway 47 South
PERMITTEE's MAILING ADDRESS: 420 3rd Street NW, Naples, Fl. 34120
COL. .COUNTY PARCEL Tax ID No: Not Known
Land Owners Phone #: 239-595-3312

FDOT Permit No: ***Permit Provisions Satisfied***

Mr. Kerce or Staff Member:

Our office completed a review of the above property owners existing Access connection on 02-10-10 and the connection has passed our inspection for current access management code for Residential Use. After reviewing the connection, the FDOT Permits Office is satisfied that ALL required ACCESS improvements are acceptable for the property in its current status.

Please accept this notice as legal proof from our office at FDOT Permits in releasing any hold there may be for this person's planned move on in relation to the required Access acceptance.

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

Sincerely,

Neil Miles
Access Permits Coordinator
It's great to have folks like you to work with, thanks again for your assistance!

* 3 sheets faxed

Lit Has Original Sheet — Need Insurance on Josh Sparks (532)

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE 11/29/10

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

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

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

ELECTRICAL 724	Print Name Lyndon Rainbolt License #: EC13001835	Signature Lyndon Rainbolt Phone #: 386-867-1004
MECHANICAL/ A/C A 138	Print Name Lamar Boozer License #: RA0035027	Signature Lamar Boozer Phone #: 623-0109
PLUMBING/ GAS 623 (Need A/C)	Print Name Mark Barstop License #: CFC1428040	Signature Mark Barstop Phone #: 438-5604
ROOFING 1- not in our system	Print Name Ralph Lavender License #: CCC1328590	Signature Ralph Lavender Phone #: 623-0174
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON (Need liability)	0001720	Donald Roberts	
CONCRETE FINISHER	0000048	BEN LOFSTROM	
FRAMING 532	CBC1252600	Sparks Construction	623-0575
INSULATION 628		Bobby Jackson	
STUCCO	CBC125226	Sparks Const	
DRYWALL 627		Bobby Jackson	
PLASTER			
CABINET INSTALLER	CBC1252240	Sparks Construction	
PAINTING	CBC1252240	Josh Sparks	
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE	CBC1252240	Josh Sparks	
FLOOR COVERING	CBC1252240	Josh Sparks	
ALUM/VINYL SIDING			
2- GARAGE DOOR ? 124		Change Cook Dean Cooke?	
METAL BLDG ERECTOR		(has not Renewed for 2011)	

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

~~Need~~ Insurance on Josh Sparks (532) ok JA

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1001-25 CONTRACTOR [illegible] PHONE 11/29/10

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

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

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

ELECTRICAL 724	Print Name Lyndon Rainbolt License #: EC13001835	Signature [illegible] Phone #: ~~386~~-867-1004
MECHANICAL/ A/C # 138	Print Name Lamar Boozer License #: RA0035027	Signature [illegible] Phone #: 623-0109
PLUMBING/ GAS 623	Print Name Mark Gaskin License #: CFC1428040	Signature [illegible] Phone #: 438-5604
ROOFING ~~Window System~~	Print Name Ralph Laverdure License #: CCC1328590 (813)	Signature [illegible] Phone #: 623-0174
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000720	Donald Roberts	[illegible]
CONCRETE FINISHER	000048	BEN LOFSTROM	[illegible]
FRAMING 532	CBC1252260	Sparks Construction	[illegible] 623-0575
INSULATION 628		Bobby Jackson	[illegible]
STUCCO	CBC125226	Sparks Const	[illegible]
DRYWALL 627		Bobby Jackson	[illegible]
PLASTER			
CABINET INSTALLER	CBC125226	Sparks Construction	[illegible]
PAINTING	CBC125226	Josh Sparks	[illegible]
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE	CBC125226	Josh Sparks	[illegible]
FLOOR COVERING	CBC125226	Josh Sparks	[illegible]
ALUM/VINYL SIDING			
GARAGE DOOR	CBC125226	Josh Sparks	↑ Josh Called in JA.
METAL BLDG ERECTOR			

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

This Instrument Prepared by & return to:
Name: ***tapeadmin, an employee of TITLE OFFICES, LLC***
Address: ***1089 SW MAIN BLVD, LAKE CITY, FLORIDA 32025***
File No. 05Y-08036CT

Inst: [redacted] Date: 08/19/2005 Time: 11:17
Doc Stamp-Deed : 1050.00
DC, P.DeWitt Cason, Columbia County B: 1055 P: 1859

Parcel I.D. #: ***03814-102***

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the 15th day of August, A.D. 2005, by*

ANTHONY L. YANKETIS and ANN E. VITUNAC, HUSBAND AND WIFE, hereinafter called the grantors, to

DONALD BARTH, *A SINGLE PERSON, ,whose post office address is*

420 3RD STREET, NW, NAPLES, FL 34120, *hereinafter called the grantee:*

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

Witnesseth: *That the grantors, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in* ***Columbia County, State of FLORIDA,*** *viz:*

LOT 2, SOUTHFORK, AN UNRECORDED SUBDIVISION OF A PART OF THE S½ OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SW CORNER OF SAID SECTION 10 AND RUN THENCE N 88o52'16"EAST, ALONG THE SOUTH LINE THEREOF A DISTANCE OF 46.86 FEET TO THE POINT OF BEGINNING, SAID POINT BEING ON THE EAST RIGHT OF WAY OF STATE ROAD #47; THENCE N 00o20'30"WEST, ALONG SAID RIGHT OF WAY A DISTANCE OF 657.06 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 00o20'30"WEST, ALONG SAID RIGHT OF WAY A DISTANCE OF 661.60 FEET; THENCE N 88o53'26"EAST, A DISTANCE OF 658.91 FEET; THENCE S 00o24'41"EAST, A DISTANCE OF 661.60 FEET; THENCE S 88o53'26"WEST, A DISTANCE OF 659.71 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH AND SUBJECT TO AN EASEMENT FOR INGRESS AND EGRESS:

A PART OF THE S½ OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 16 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SW CORNER OF SAID SECTION 10 AND RUN THENCE N 88o52'16"EAST, ALONG THE SOUTH LINE OF SAID SECTION 10, A DISTANCE OF 46.86 FEET TO THE EAST RIGHT OF WAY OF STATE ROAD NO. 47; THENCE N 00o20'30"WEST ALONG SAID EAST RIGHT OF WAY 627.05 FEET TO THE POINT OF BEGINNING; THENCE N 00o02'30"WEST, STILL ALONG SAID RIGHT OF WAY A DISTANCE OF 60.00 FEET; THENCE N 88o53'29"EAST, A DISTANCE OF 629.67 FEET; THENCE N 00o24'41"WEST A DISTANCE OF 681.60 FEET; THENCE N 88o53'26"EAST, A DISTANCE OF 60.00 FEET; THENCE S 00o24'41"WEST, A DISTANCE OF 681.60 FEET; THENCE N 88o53'29"EAST, A DISTANCE OF 629.35 FEET; THENCE N 88o58'12"EAST, 650.99 FEET; THENCE N 01o01'48"WEST, A DISTANCE OF 589.75 FEET; THENCE S 87o47'54" WEST A DISTANCE OF 36.83 FEET; THENCE N 00o25'25"WEST A DISTANCE OF 739.98 FEET; THENCE N 88o25'30"EAST, A DISTANCE OF 60.01 FEET; THENCE S 00o25'25"EAST A DISTANCE OF 679.29 FEET; THENCE N 87o47'54"EAST, A DISTANCE OF 36.18 FEET; THENCE S 01o01'48"EAST, A DISTANCE OF 650.01 FEET; THENCE N 88o37'18"EAST, A DISTANCE OF 2603.18 FEET; THENCE S 00o17'09"EAST, A DISTANCE OF 60.01 FEET; THENCE S 88o37'18"WEST, A DISTANCE OF 2632.46 FEET; THENCE S 88o58'12"WEST, 681.09 FEET; THENCE S 88o53'29"WEST, 1319.83 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.

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 grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant 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, 2004.*

Inst:[redacted] Date:08/19/2005 Time:11:17
Doc Stamp-Deed : 1050.00
DC,P.DeWitt Cason,Columbia County B:1055 P:1860

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

Signed, sealed and delivered in the presence of:

Susan E Moore
Witness Signature
SUSAN E MOORE
Printed Name

Bonita Hadwin
Witness Signature
BONITA HADWIN
Printed Name

Anthony L Yanketis L.S.
ANTHONY L. YANKETIS
Address:
14681 BROKEN WING LANE, PALM BEACH GARDENS, FL 33418

Ann E Vitunac L.S.
ANN E. VITUNAC
Address:
14681 BROKEN WING LANE, PALM BEACH GARDENS, FL 33418

STATE OF FLORIDA
COUNTY OF Columbia

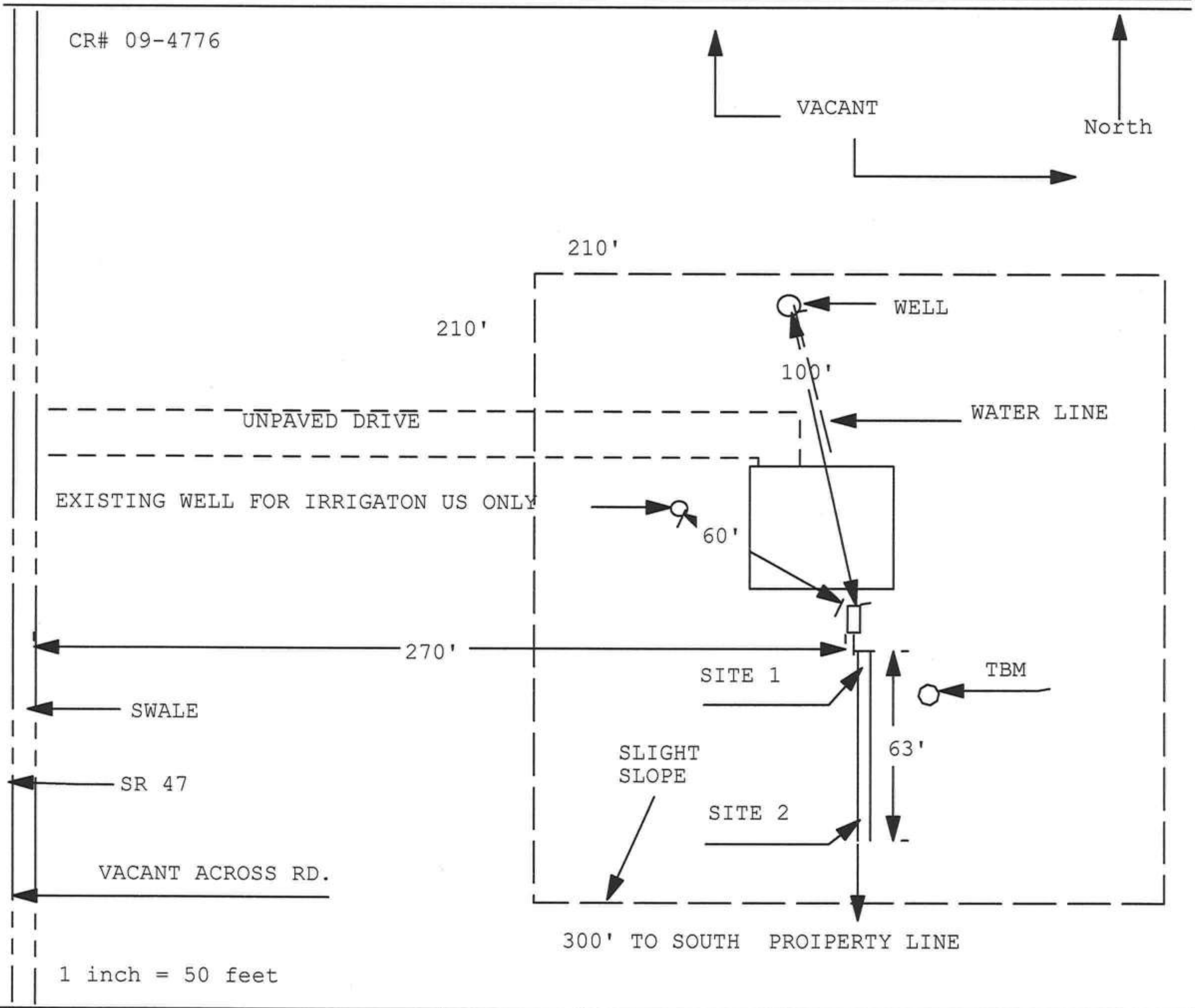
The foregoing instrument was acknowledged before me this 15th *day of* ***August, 2005****, by* ***ANTHONY L. YANKETIS*** *and* ***ANN E. VITUNAC****, who are known to me or who have produced* Fla Drivers Lic *as identification.*

Bonita Hadwin
Notary Public
My commission expires _____

Bonita Hadwin
MY COMMISSION # DD230094 EXPIRES
August 10, 2007
BONDED THRU TROY FAIN INSURANCE, INC.

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan
Permit Application Number: 10-0823

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Floyd **Date** 1/7/10
Plan Approved ✓ **Not Approved** ____ **Date** 1.25.10
By Sallie Ford. EH Director **CPHU**

Notes:

Columbia CHD

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Donald Barth **Project Name:**

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Mayfair	entry door	FL 1311
2. Sliding			
3. Sectional			
4. Roll up	General American	garage door	FL 2868
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Darwid	Single Hung	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			
2. Soffits	Ashley	Aluminum	FL 4016
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 asphalt	FL 673
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			

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 83

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

, , FL, 32024-

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	2107	

7. Windows**

	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.30 SHGC=0.50	259.67 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types

	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=5.0	2107.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types

	Insulation	Area
a. Concrete Block - Int Insul, Exterior	R=5.0	1765.50 ft²
b. Frame - Wood, Exterior	R=13.0	283.27 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types

	Insulation	Area
a. Under Attic (Vented)	R=30.0	2318.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 526.75 ft²

12. Cooling systems
a. Central Unit — Cap: 42.0 kBtu/hr SEER: 14

13. Heating systems
a. Electric Heat Pump — Cap: 42.0 kBtu/hr HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 50 gallons EF: 0.9

b. Conservation features
None

15. Credits — Pstat

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

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: _____

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

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

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

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	Barth Residence	Builder Name:	Sparks Construction
Street:		Permit Office:	Columbia County
City, State, Zip:	, FL , 32024-	Permit Number:	28363
Owner:	Don Barth	Jurisdiction:	221000
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	3
5. Is this a worst case?	No
6. Conditioned floor area (ft²)	2107

7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.30	259.67 ft²
SHGC:	SHGC=0.50	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=5.0	2107.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Concrete Block - Int Insul, Exterior	R=5.0	1765.50 ft²
b. Frame - Wood, Exterior	R=13.0	283.27 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2318.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Garage Sup. R=6, 526.75 ft²

12. Cooling systems
a. Central Unit — Cap: 42.0 kBtu/hr, SEER: 14

13. Heating systems
a. Electric Heat Pump — Cap: 42.0 kBtu/hr, HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 50 gallons, EF: 0.9

b. Conservation features
None

15. Credits — Pstat

Glass/Floor Area: 0.123

Total As-Built Modified Loads: 36.94

Total Baseline Loads: 44.38

PASS

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

PREPARED BY: _____

DATE: 1/8/10

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires an envelope leakage test report, by a Florida Class 1 Rater, in accordance with N1113.A.1.

PROJECT

Title:	Barth Residence	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Don Barth	Conditioned Area:	2107	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	Sparks Construction	Worst Case:	No	Street:	
Permit Office:	Columbia County	Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:		City, State, Zip:	,
Family Type:	Single-family	Whole House Fan:			FL , 32024-
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	236.4 ft	5	2107 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Hip	Composition shingles	2356 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	303	2107 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	30	2318 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	1	N	Exterior	Concrete Block - Int Insul	5	410.45 ft²	0	0	0.75
____	2	S	Exterior	Concrete Block - Int Insul	5	367.45 ft²	0	0	0.75
____	3	E	Exterior	Concrete Block - Int Insul	5	446.11 ft²	0	0	0.75
____	4	W	Exterior	Concrete Block - Int Insul	5	541.45 ft²	0	0	0.75
____	5	N	Exterior	Frame - Wood	13	70.82 ft²	0	0.23	0.75
____	6	S	Exterior	Frame - Wood	13	70.82 ft²	0	0.23	0.75
____	7	E	Exterior	Frame - Wood	13	70.82 ft²	0	0.23	0.75
____	8	W	Exterior	Frame - Wood	13	70.8 ft²	0	0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Insulated	None	0.46	20 ft²
_____	2	W	Insulated	None	0.46	40 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	E	Metal	Double (Clear)	Yes	0.3	0.5	N	48 ft²	0 ft 12 in	0 ft 0 in	HERS 2006	None
_____	2	E	Metal	Double (Clear)	Yes	0.3	0.5	N	8.33 ft²	0 ft 72 in	0 ft 0 in	HERS 2006	None
_____	3	E	Metal	Double (Clear)	Yes	0.3	0.5	N	13.33 ft²	0 ft 72 in	0 ft 0 in	HERS 2006	None
_____	4	E	Metal	Double (Clear)	Yes	0.3	0.5	N	15 ft²	0 ft 12 in	0 ft 0 in	HERS 2006	None
_____	5	N	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 12 in	0 ft 0 in	HERS 2006	None
_____	6	N	Metal	Double (Clear)	Yes	0.3	0.5	N	4 ft²	0 ft 12 in	0 ft 0 in	HERS 2006	None
_____	7	W	Metal	Double (Clear)	Yes	0.3	0.5	N	60 ft²	0 ft 144 in	0 ft 0 in	HERS 2006	None
_____	8	N	Metal	Double (Clear)	Yes	0.3	0.5	N	15 ft²	0 ft 120 in	0 ft 0 in	HERS 2006	None
_____	9	W	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 102 in	0 ft 0 in	HERS 2006	None
_____	10	W	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None
_____	11	S	Metal	Double (Clear)	Yes	0.3	0.5	N	6 ft²	0 ft 18 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	Forced Ventilation Supply CFM	Forced Ventilation Exhaust CFM	Run Time Fraction	Fan Watts
_____	Proposed ACH	0.00036	1990	6.67	109.2	205.4	0 cfm	0 cfm	0	0

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	528 ft²	528 ft²	57 ft	8.8 ft	(invalid)

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 14	42 kBtu/hr	cfm	0.75	

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	42 kBtu/hr	

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.9	50 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	526.75	Attic	105.35	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
, FL, 32024-	

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Residential System Sizing Calculation

Summary

Don Barth

, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

1/8/2010

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	**38229**	**Btuh**	**Total cooling load calculation**	**38361**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	109.9	42000	Sensible (SHR = 0.75)	109.0	31500
Heat Pump + Auxiliary(0.0kW)	109.9	42000	Latent	110.9	10500
			Total (Electric Heat Pump)	109.5	42000

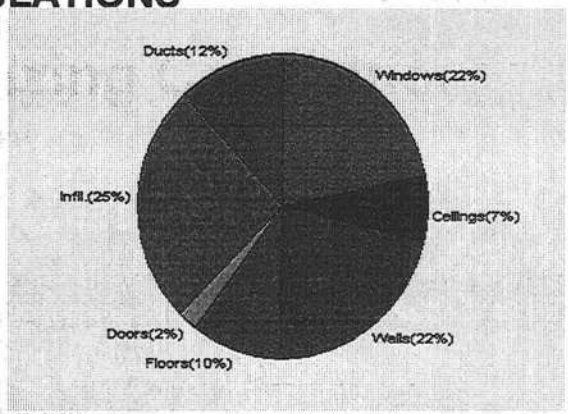
Don Barth

32024-

WINTER CALCULATIONS

Winter Heating Load (for 2107 sqft)

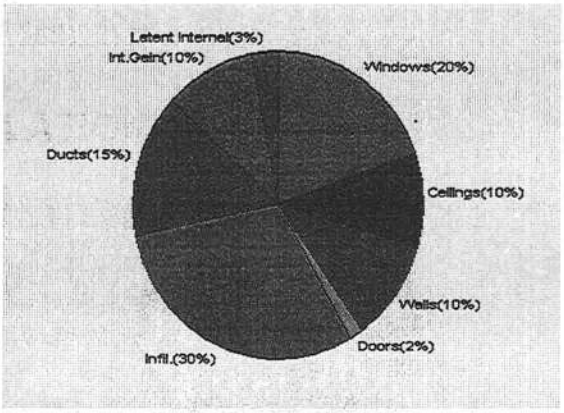
Load component			Load	
Window total	260	sqft	8358	Btuh
Wall total	1729	sqft	8220	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	2318	sqft	2731	Btuh
Floor total	236	sqft	3866	Btuh
Infiltration	239	cfm	9673	Btuh
Duct loss			4604	Btuh
Subtotal			**38229**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**38229**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2107 sqft)

Load component			Load	
Window total	260	sqft	7520	Btuh
Wall total	1729	sqft	3999	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	2318	sqft	3839	Btuh
Floor total			0	Btuh
Infiltration	209	cfm	3889	Btuh
Internal gain			3780	Btuh
Duct gain			5277	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**28891**	**Btuh**
Latent gain(ducts)			633	Btuh
Latent gain(infiltration)			7636	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**9469**	**Btuh**
TOTAL HEAT GAIN			**38361**	**Btuh**



Powered by MANUAL J

Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 1/8/10

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Don Barth
, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

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

1/8/2010

WHOLE HOUSE TOTALS

	Subtotal Sensible	38229 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	38229 Btuh

EQUIPMENT

1. Electric Heat Pump	#	42000 Btuh

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

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Don Barth
, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

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

1/8/2010

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	48.0	32.2	1545 Btuh
2	2, Clear, Metal, 0.87	E	8.3	32.2	268 Btuh
3	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
4	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
5	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	N	4.0	32.2	129 Btuh
7	2, Clear, Metal, 0.87	W	60.0	32.2	1931 Btuh
8	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
10	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
11	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
	Window Total		260(sqft)		8358 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete Blk, - Ext(0.14)	5.0	1446	5.0	7289 Btuh
2	Frame - Wood - Ext(0.09)	13.0	283	3.3	930 Btuh
	Wall Total		1729		8220 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2318	1.2	2731 Btuh
	Ceiling Total		2318		2731Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	236.4 ft(p)	16.4	3866 Btuh
	Floor Total		236		3866 Btuh
			Zone Envelope Subtotal:		23952 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.80	17910	1729 238.8	9673 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)			(DLM of 0.137)	4604 Btuh
Zone #1			**Sensible Zone Subtotal**		**38229 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Don Barth
, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

1/8/2010

WHOLE HOUSE TOTALS

	Subtotal Sensible	38229 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	38229 Btuh

EQUIPMENT

1. Electric Heat Pump	#	42000 Btuh

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

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Don Barth

, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/8/2010

Manual J Summer Calculations

Residential Load - Component Details (continued)

Don Barth
, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

1/8/2010

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**23615 Btuh**
	Sensible Duct Load	5277 Btuh
	Total Sensible Zone Loads	**28891 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**28891 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	7636 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	633 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**9469 Btuh**
	TOTAL GAIN	**38361 Btuh**

EQUIPMENT

1. Central Unit	#	42000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Don Barth
, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/8/2010

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,0.00,N	E	1ft.	0ft.	48.0	48.0	0.0	29	29	1390 Btuh
2	2, Clear, 0.87, None,0.00,N	E	6ft.	0ft.	8.3	8.3	0.0	29	29	241 Btuh
3	2, Clear, 0.87, None,0.00,N	E	6ft.	0ft.	13.3	13.3	0.0	29	29	386 Btuh
4	2, Clear, 0.87, None,0.00,N	E	1ft.	0ft.	15.0	15.0	0.0	29	29	434 Btuh
5	2, Clear, 0.87, None,0.00,N	N	1ft.	0ft.	30.0	0.0	30.0	29	29	869 Btuh
6	2, Clear, 0.87, None,0.00,N	N	1ft.	0ft.	4.0	0.0	4.0	29	29	116 Btuh
7	2, Clear, 0.87, None,0.00,N	W	12ft.	1ft.	60.0	60.0	0.0	29	29	1738 Btuh
8	2, Clear, 0.87, None,0.00,N	N	10ft.	1ft.	15.0	0.0	15.0	29	29	434 Btuh
9	2, Clear, 0.87, None,0.00,N	W	8.5ft	1ft.	30.0	30.0	0.0	29	29	869 Btuh
10	2, Clear, 0.87, None,0.00,N	W	1.5ft	1ft.	30.0	30.0	0.0	29	29	869 Btuh
11	2, Clear, 0.87, None,0.00,N	S	1.5ft	1ft.	6.0	6.0	0.0	29	29	174 Btuh
	Window Total				260 (sqft)					7520 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Concrete Blk, - Ext	5.0/0.14	1445.8	2.4	3408 Btuh
2	Frame - Wood - Ext	13.0/0.09	283.3	2.1	591 Btuh
	Wall Total		1729 (sqft)		3999 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	40.0	9.8	392 Btuh
	Door Total	60 (sqft)		588 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2318.0	1.7	3839 Btuh
	Ceiling Total		2318 (sqft)		3839 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	5.0	236 (ft(p))	0.0	0 Btuh
	Floor Total		236.4 (sqft)		0 Btuh

			Zone Envelope Subtotal:		15946 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.70	17910	1729	208.9	3889 Btuh

Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	2400	3780 Btuh

	Sensible Envelope Load:		23615 Btuh
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)	(DGM of 0.223)	5277 Btuh
	Sensible Zone Load		**28891 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Don Barth
, 32024-

Project Title:
Barth Residence

Code Only
Professional Version
Climate: North

1/8/2010

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**23615 Btuh**
	Sensible Duct Load	5277 Btuh
	Total Sensible Zone Loads	**28891 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**28891 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	7636 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	633 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**9469 Btuh**
	TOTAL GAIN	**38361 Btuh**

EQUIPMENT

1. Central Unit	#	42000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Don Barth

, 32024-

Project Title:
Barth Residence

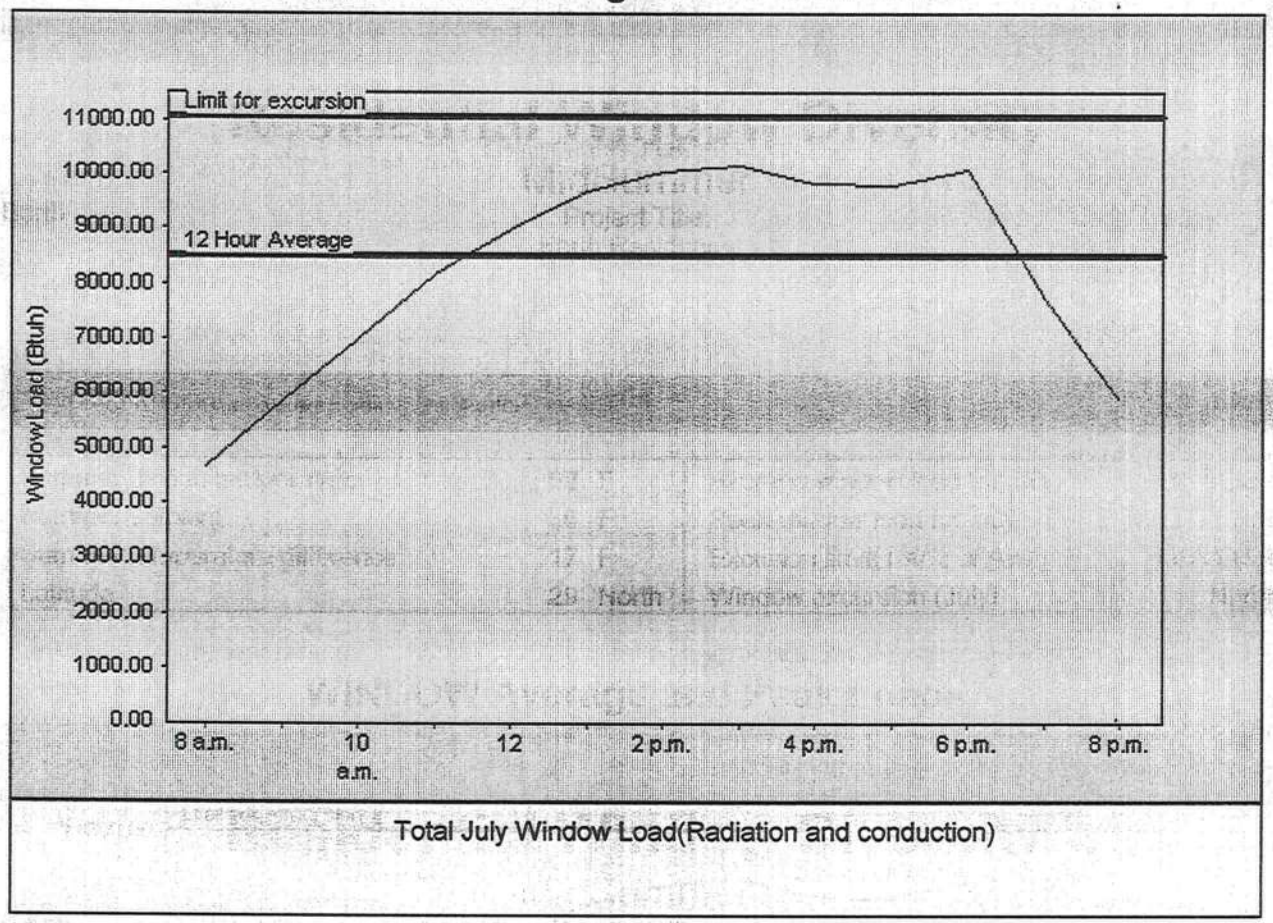
Code Only
Professional Version
Climate: North

1/8/2010

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	8493 Btuh
Summer setpoint	75 F	Peak window load for July	10127 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	11041 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: 1/8/10

EnergyGauge® FLRCPB v4.5.2

Approved by MANUAL J

Inst:201012001392 Date:1/29/2010 Time:2:54 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1188 P:892

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 19-65-16-03814-102

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description):* Vacant
   a) Street *(job)* Address: 14721 SW State Rd 47 ftwhite FL, 32038
2. General description of improvements: New Home
3. Owner Information
   a) Name and address: Donald Barth 420 3rd St NW Naples FL, 34120
   b) Name and address of fee simple titleholder (if other than owner)
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Josh Spacks 202 W Duval St Lake City
   b) Telephone No.: 386-755-9314 Fax No. (Opt.)
5. Surety Information
   a) Name and address:
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: NA
   b) Phone No. NA
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: NA
   b) Telephone No.: NA Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: NA
   b) Telephone No.: NA Fax No. (Opt.)
9. Expiration date of Notice of Commencement **(the expiration date is one 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. * Don Barth
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Don Barth
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 29th day of January, 20 10, by:

[signature] as _____ **(type of authority, e.g. officer, trustee, attorney fact) for** _____ **(name of party on behalf of whom instrument was executed).**

Personally Known ____ OR Produced Identification ____ Type ____

Notary Signature Florcile Dow Notary Stamp or Seal:

F. VONCILE DOW
MY COMMISSION # DD 592031
EXPIRES: October 3, 2010
Bonded Thru Notary Public Underwriters

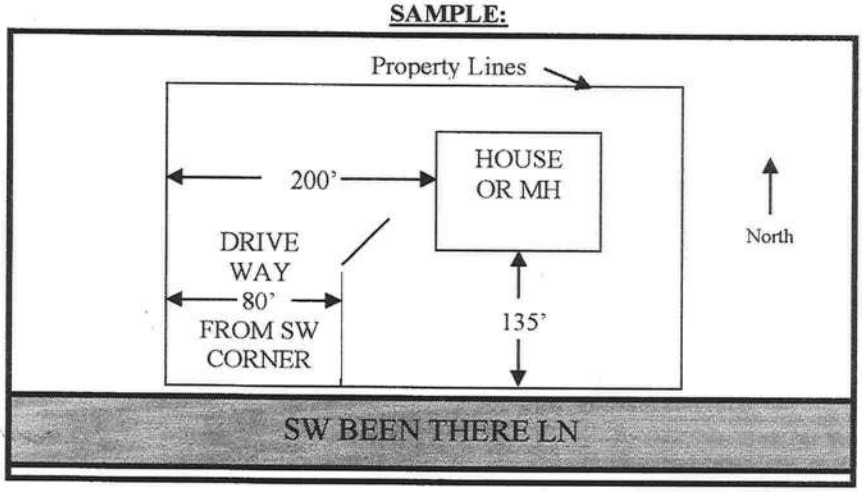
—AND—

11. 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.

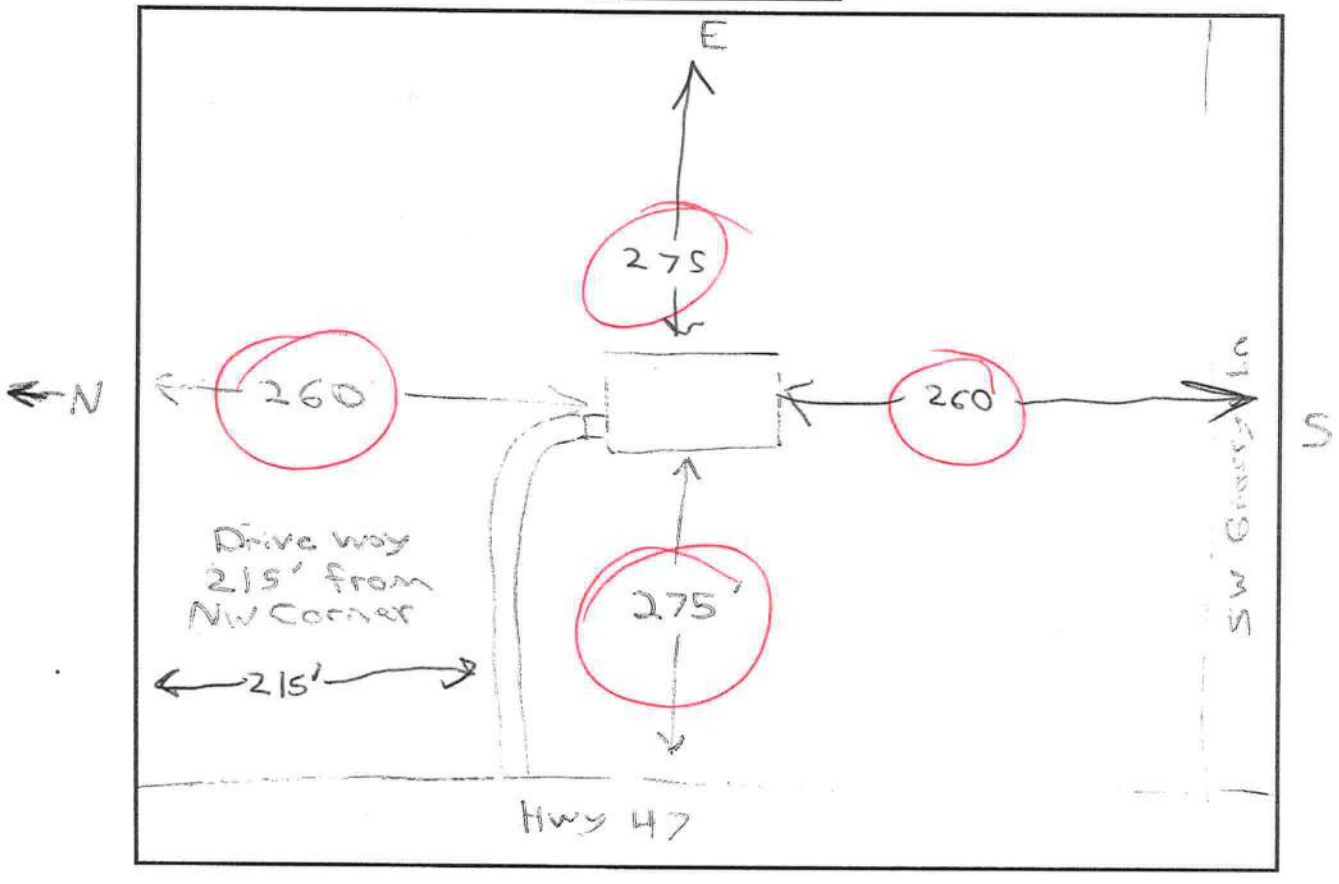
* Don Barth
Signature of Natural Person Signing (in line #10 above.)

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:



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 10-6S-16-03814-102 **Building permit No.** 000028363

Use Classification SFD,UTILITY **Fire:** 48.88

Permit Holder JOSH SPARKS **Waste:** 67.00

Owner of Building DONALD BARTH **Total:** 115.88

Location: 1421 SW SR 47, FT. WHITE, FL

Date: 06/24/2010

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

#28363

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

April 28, 2010

Building Department
Columbia County, Florida

Re: Framing Inspection: Sparks Construction, Don Barth Residence, 10-6S-16-03814-102

Dear Building Inspector:

This letter is in reference to framing inspection issues at the above referenced house.

- The plan calls for the trusses to be attached to the top of the block wall with embedded truss straps. The builder installed a 2x8 SYP#2 PT plate to attach the trusses to instead. This is ok provided that the following requirements are meet:
  - Anchored the 2x8 SYP#2 PT plate to the bond beam with 1/2" anchor bolts @ 48" oc with 3" washers.
  - Toe-nail all the trusses to the plate with (2) .131" x 3" nails.
  - For trusses with less than 730 lb of uplift it is ok to use (2) H2.5A hurricane straps with 3-8d into plate.
  - For trusses with over 730 lb of uplift select and install a hurricane strap based on uplift loads provided by the truss engineering. The strap can attach to the single top plate or attach directly to the block wall.

Mark Disosway, PE

Florida Registered Professional Engineer

Sparks Construction, Inc.
202 West Duval Street
Lake City, FL 32055
Office: 386-755-9314
Fax: 386-755-7156
Email: linda@sparksconst.com

April 27, 2010

Number of pages including this cover: 12

Columbia County Building Dept.

Fax: 758-2160
Ofc: 758-1008 or 758-1124

Re: Permit # 28363

Donald Barth
1421 SW State Road 47
Forth White, Fl 32038

Following is the blue prints requested.

If you need additional information please contact me.

Thank you,

Linda McCoy

Linda McCoy
386-755-7156 Fax
linda@sparksconst.com

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300125
323087	T15	SPECIAL	1	1	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:38 2010 Page 1

-2-0-0 | 6-5-0 | 12-3-8 | 17-0-0 | 23-0-0 | 29-0-0 | 35-2-12 | 42-0-0 | 44-0-0
2-0-0 | 6-5-0 | 5-10-8 | 4-8-8 | 6-0-0 | 6-0-0 | 6-2-12 | 6-9-4 | 2-0-0

NOTE: REPAIR FOR T15,16,17,18,19,22

Scale = 1:79.5

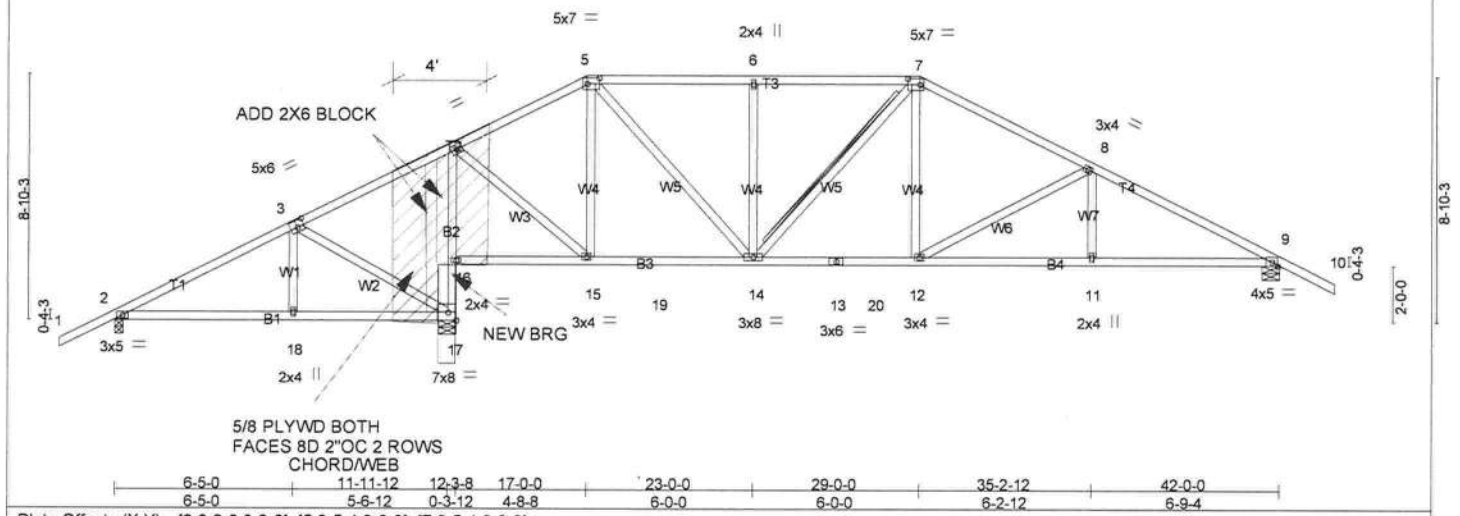


Plate Offsets (X,Y): [3:0-3-0,0-3-0], [5:0-5-4,0-2-8], [7:0-5-4,0-2-8]

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)	-0.09	12-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.16	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.11	11-12	>999	240	Weight: 237 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

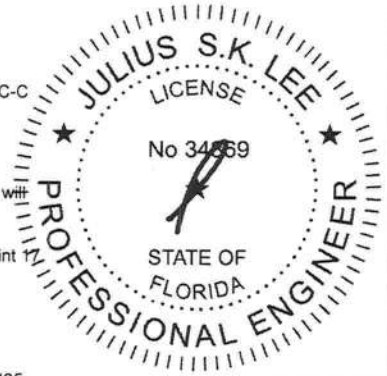
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-6 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must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

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

REACTIONS (lb/size) 2=482/0-3-8, 17=1476/0-7-8, 9=1134/0-7-8
Max Horz 2=223(LC 6)
Max Uplift 2=-447(LC 6), 17=-586(LC 6), 9=-461(LC 7)
Max Grav 2=486(LC 10), 17=1476(LC 1), 9=1134(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-472/850, 3-4=-43/292, 4-5=-803/738, 5-6=-1122/998, 6-7=-1122/998, 7-8=-1386/1035, 8-9=-1815/1233
BOT CHORD 2-18=-669/352, 17-18=-661/350, 16-17=-1238/696, 4-16=-1218/703, 15-19=-198/650, 14-19=-198/650, 13-14=-491/1172, 13-20=-491/1172, 12-20=-491/1172, 11-12=-868/1535, 9-11=-868/1535
WEBS 3-18=-318/214, 3-17=-434/789, 4-15=-309/910, 5-15=-444/237, 5-14=-418/719, 6-14=-370/333, 7-12=-174/343, 8-12=-422/433

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 447 lb uplift at joint 2, 586 lb uplift at joint 17 and 461 lb uplift at joint 9.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435



April 23,2010

LOAD CASE(S) Standard

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300126
323087	T16	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:39 2010 Page 1

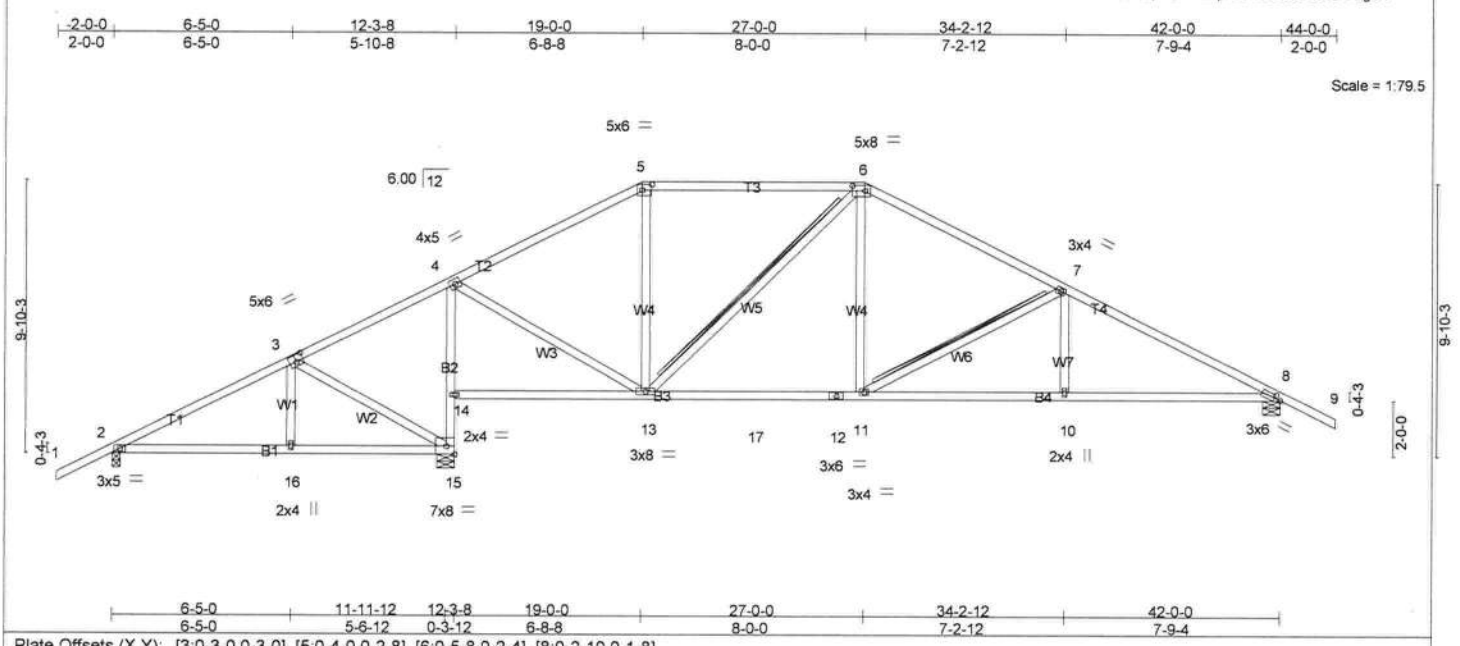


Plate Offsets (X,Y): [3:0-3-0,0-3-0], [5:0-4-0,0-2-8], [6:0-5-8,0-2-4], [8:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.15	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.23	11-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.10	10-11	>999	240	Weight: 226 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

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

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

REACTIONS (lb/size) 2=483/0-3-8, 15=1438/0-7-8, 8=1130/0-7-8
Max Horz 2=238(LC 6)
Max Uplift 2=-439(LC 6), 15=-616(LC 6), 8=-475(LC 7)
Max Grav 2=488(LC 10), 15=1438(LC 1), 8=1130(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-476/850, 3-4=-51/298, 4-5=-915/799, 5-6=-741/805, 6-7=-1272/979, 7-8=-1777/1232
BOT CHORD 2-16=-669/355, 15-16=-669/355, 14-15=-1208/720, 4-14=-1183/734, 13-17=-391/1062, 12-17=-391/1062, 11-12=-391/1062, 10-11=-856/1495, 8-10=-856/1495
WEBS 3-16=-317/214, 3-15=-425/779, 4-13=-269/884, 6-13=-492/233, 6-11=-208/440, 7-11=-501/531

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 439 lb uplift at joint 2, 616 lb uplift at joint 15 and 475 lb uplift at joint 8.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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

April 23,2010

LOAD CASE(S) Standard

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300127
323087	T17	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:40 2010 Page 1

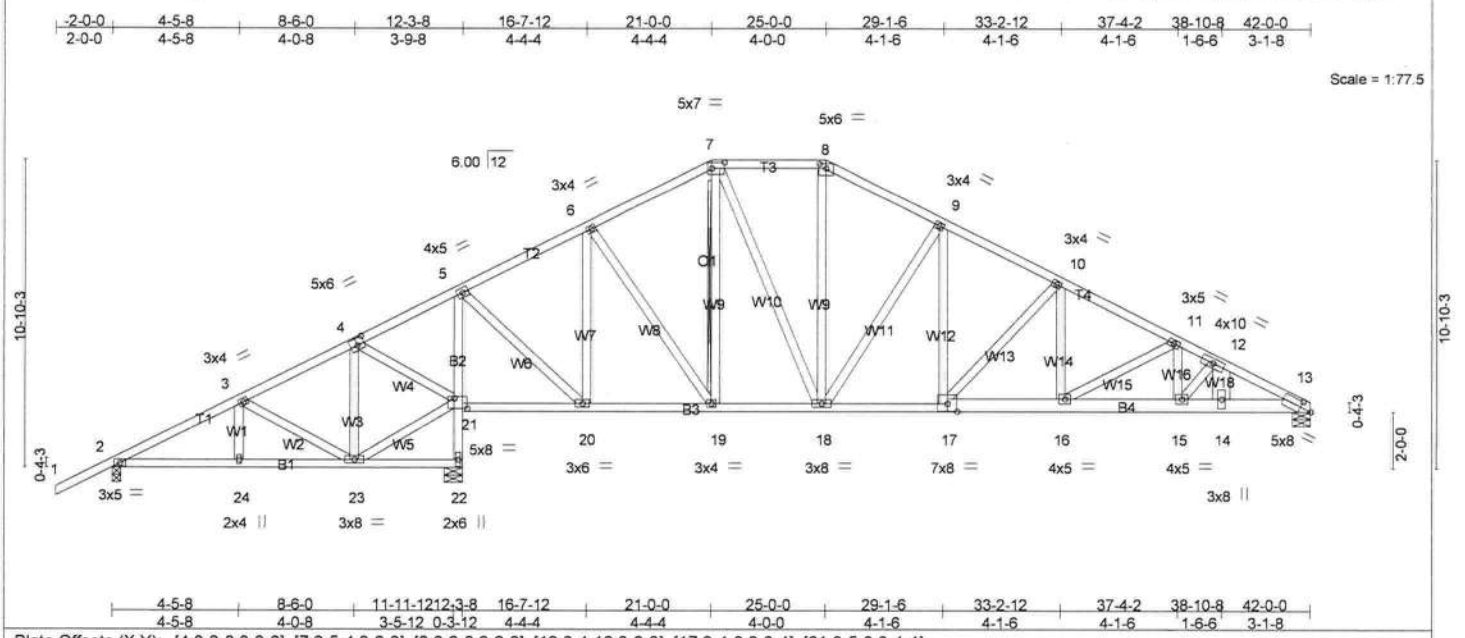


Plate Offsets (X,Y): [4:0-3-0,0-3-0], [7:0-5-4,0-2-8], [8:0-3-0,0-2-0], [13:0-4-10,0-2-8], [17:0-4-0,0-3-4], [21:0-5-8,0-4-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.10	16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.20	16	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(TL)	0.05	13	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.14	15-16	>999	240	Weight: 299 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 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W18: 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-5-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-19
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS (lb/size) 13=2295/0-7-8, 2=335/0-3-8, 22=1715/0-7-8
Max Horz 2=271(LC 5)
Max Uplift 13=-1563(LC 6), 2=-312(LC 5), 22=-946(LC 5)
Max Grav 13=2295(LC 1), 2=368(LC 9), 22=1715(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-281/214, 4-5=-406/623, 5-6=-511/183, 6-7=-820/391, 7-8=-888/503, 8-9=-1043/526, 9-10=-1550/786, 10-11=-2188/1177, 11-12=-3388/2151, 12-13=-4343/2975
BOT CHORD 2-24=-262/197, 23-24=-262/197, 21-22=-1699/906, 5-21=-1525/712, 20-21=-514/480, 19-20=-37/409, 18-19=-125/676, 17-18=-470/1328, 16-17=-914/1916, 15-16=-1865/3041, 14-15=-2576/3787, 13-14=-2576/3787
WEBS 3-23=-275/282, 4-23=-296/271, 4-21=-473/429, 5-20=-521/1248, 6-20=-774/366, 6-19=-229/494, 7-19=-361/209, 7-18=-338/567, 9-18=-807/567, 9-17=-449/671, 10-17=-854/647, 10-16=-520/692, 11-16=-1289/1087, 11-15=-838/977, 12-14=-1160/1277, 12-15=-1058/1001

NOTES (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); porch left 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1563 lb uplift at joint 13, 312 lb uplift at joint 2 and 946 lb uplift at joint 22.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1570 lb down and 1413 lb up at 39-0-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

Continued on page 2

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

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.
323087	T17	SPECIAL	1	1	I4300127 Job Reference (optional)

NOTES (12-13)

11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-7=-54, 7-8=-54, 8-13=-54, 2-22=-10, 13-21=-10
   Concentrated Loads (lb)
   Vert: 14=-1570(F)

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

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300128
323087	T18	SPECIAL	3	1	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:41 2010 Page 1

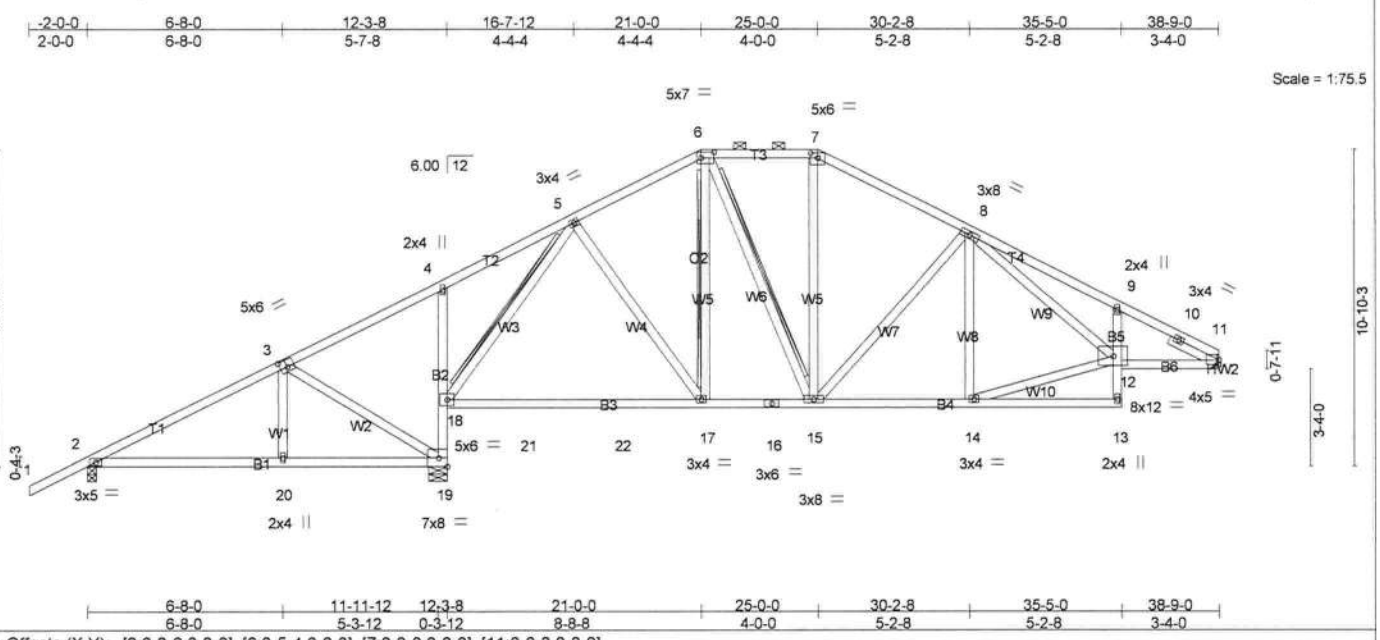


Plate Offsets (X,Y): [3:0-3-0,0-3-0], [6:0-5-4,0-2-8], [7:0-3-0,0-2-0], [11:0-0-3,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.19	17-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.31	17-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.12	2-20	>999	240	Weight: 252 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2,B5: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 4 SYP No.2 1-10-3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 4-11-2 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-18, 6-17, 6-15
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS (lb/size) 11=856/Mechanical, 2=471/0-3-8, 19=1392/0-7-8
Max Horz 2=303(LC 6)
Max Uplift 11=-297(LC 7), 2=-411(LC 6), 19=-651(LC 6)
Max Grav 11=856(LC 1), 2=475(LC 10), 19=1392(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-439/647, 4-5=-6/259, 5-6=-758/737, 6-7=-671/774, 7-8=-821/792, 8-9=-1539/1326, 9-10=-1552/1208, 10-11=-1602/1199
BOT CHORD 2-20=-670/321, 19-20=-670/321, 18-19=-1145/749, 4-18=-266/339, 18-21=-280/492, 21-22=-280/492, 17-22=-280/492, 16-17=-252/627, 15-16=-252/627, 14-15=-552/871, 11-12=-966/1337
WEBS 3-20=-320/216, 3-19=-439/798, 5-18=-948/531, 5-17=0/278, 8-15=-315/361, 12-14=-527/841, 8-12=-561/627

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 11, 411 lb uplift at joint 2 and 651 lb uplift at joint 19.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

JULIUS S.K. LEE LICENSE No 34859 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 23,2010

Continued on page 2

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300129
323087	T19	SPECIAL	1	1	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:42 2010 Page 1

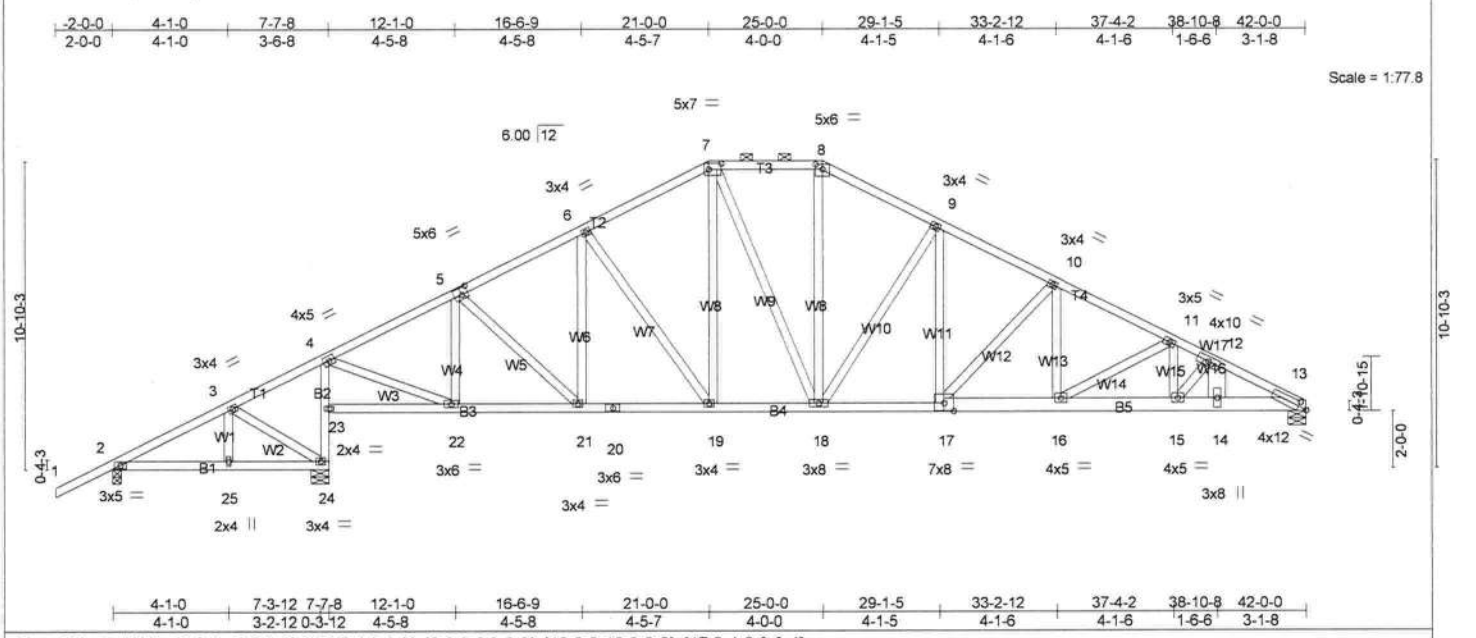


Plate Offsets (X,Y): [5:0-2-12,0-3-0], [7:0-5-4,0-2-8], [8:0-3-0,0-2-0], [13:0-3-10,0-2-0], [17:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.13	16-17	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.25	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(TL)	0.06	13	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.12	16	>999	240	Weight: 289 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2: 2 X 4 SYP No.3, B5: 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W17: 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-14 oc purlins, except 2-0-0 oc purlins (5-4-4 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 4-7-12 oc bracing.

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

REACTIONS (lb/size) 13=2527/0-7-8, 2=329/0-3-8, 24=1488/0-7-8
Max Horz 2=271(LC 5)
Max Uplift 13=-952(LC 6), 2=-151(LC 5), 24=-554(LC 5)
Max Grav 13=2527(LC 1), 2=335(LC 9), 24=1488(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-1372/446, 5-6=-1535/523, 6-7=-1442/545, 7-8=-1348/572, 8-9=-1552/602, 9-10=-2057/762, 10-11=-2693/974, 11-12=-3877/1449, 12-13=-4804/1802
BOT CHORD 23-24=-1368/516, 4-23=-1337/525, 21-22=-371/1175, 20-21=-369/1326, 19-20=-369/1326, 18-19=-275/1239, 17-18=-452/1781, 16-17=-733/2368, 15-16=-1230/3479, 14-15=-1547/4192, 13-14=-1547/4192
WEBS 4-22=-415/1336, 5-22=-447/183, 7-18=-159/383, 8-18=-174/460, 9-18=-804/410, 9-17=-273/669, 10-17=-853/408, 10-16=-263/690, 11-16=-1278/570, 11-15=-377/965, 12-15=-1024/446, 12-14=-508/1252

NOTES (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 952 lb uplift at joint 13, 151 lb uplift at joint 2 and 554 lb uplift at joint 24.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1570 lb down and 638 lb up at 39-0-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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

April 23,2010

Continued on page 2

LOAD CASE(S) Standard

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.
323087	T19	SPECIAL	1	1	I4300129
					Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-54, 7-8=-54, 8-13=-54, 2-24=-10, 13-23=-10
   Concentrated Loads (lb)
      Vert: 14=-1570(F)

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

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300130
323087	T22	SPECIAL	5	1	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:43 2010 Page 1

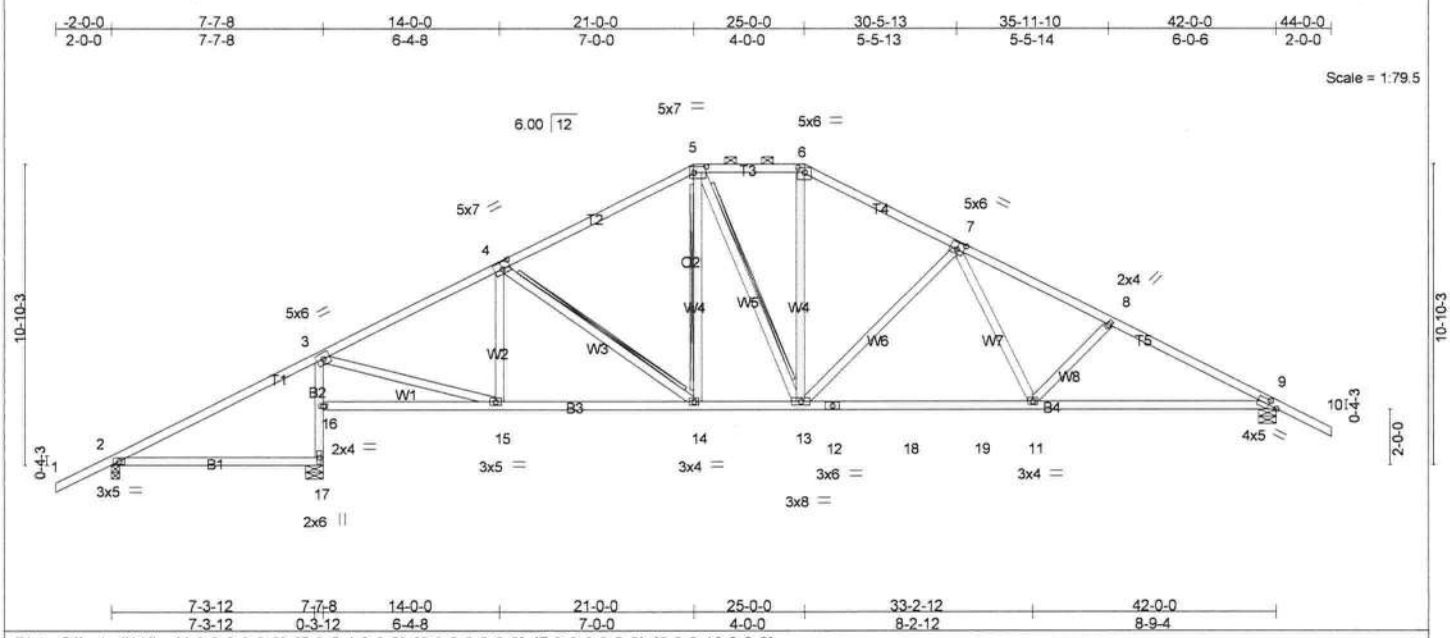


Plate Offsets (X,Y): [4:0-3-8,0-3-0], [5:0-5-4,0-2-8], [6:0-3-0,0-2-0], [7:0-3-0,0-3-0], [9:0-3-10,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.21	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.34	11-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.25	2-17	>350	240	Weight: 237 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-6 oc purlins, except 2-0-0 oc purlins (5-9-10 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 4-10-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-14, 5-14, 5-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS (lb/size) 2=322/0-3-8, 17=1399/0-7-8, 9=1283/0-7-8
Max Horz 2=253(LC 6)
Max Uplift 2=-272(LC 6), 17=-612(LC 6), 9=-503(LC 7)
Max Grav 2=326(LC 10), 17=1399(LC 1), 9=1283(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1403/1096, 4-5=-1305/1091, 5-6=-1158/1093, 6-7=-1364/1140, 7-8=-1937/1412, 8-9=-2139/1475
BOT CHORD 16-17=-1355/989, 3-16=-1324/1003, 14-15=-655/1186, 13-14=-421/1086, 12-13=-809/1528, 12-18=-809/1528, 18-19=-809/1528, 11-19=-809/1528, 9-11=-1086/1821
WEBS 3-15=-695/1278, 4-15=-262/232, 4-14=-186/290, 5-13=-87/305, 6-13=-284/347, 7-13=-537/523, 7-11=-167/355, 8-11=-219/299

NOTES (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 2, 612 lb uplift at joint 17 and 503 lb uplift at joint 9.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

JULIUS S.K. LEE LICENSE No 34859 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 23,2010

Continued on page 2

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

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

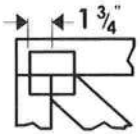
LOAD CASE(S) Standard

April 23,2010

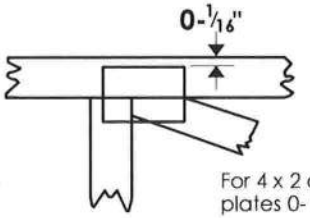
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

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

*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

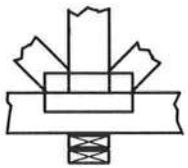
4 x 4

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

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

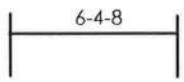


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

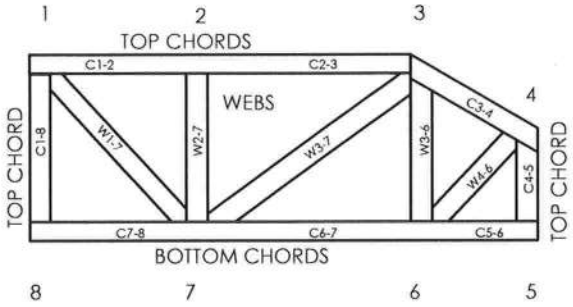
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

⚠ General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

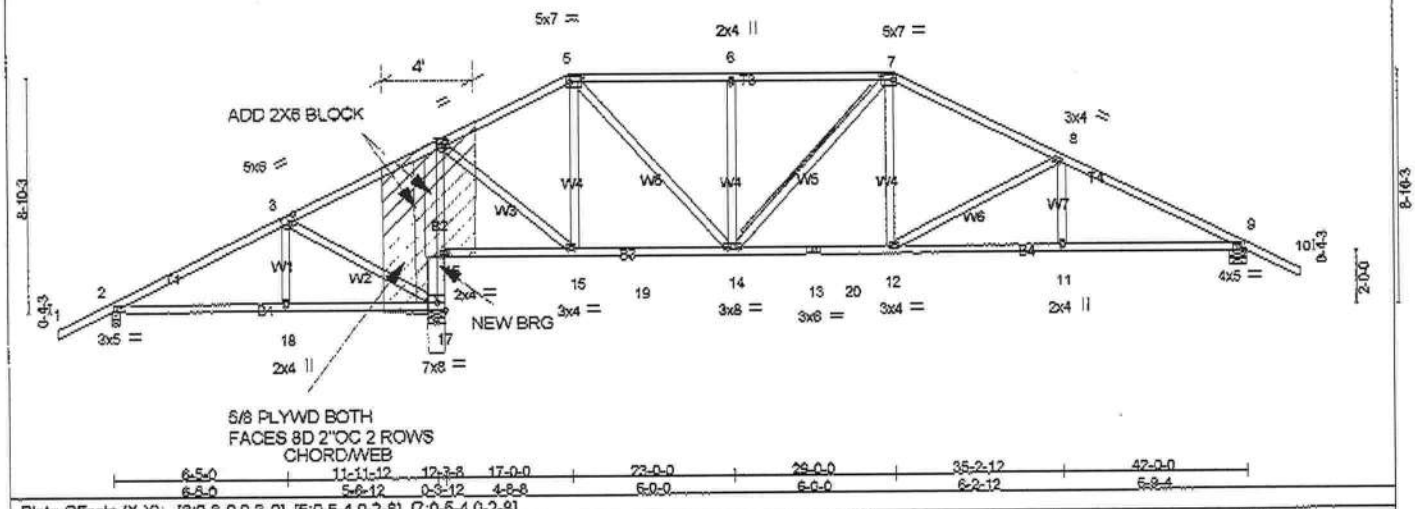
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300125
323087	T15	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:38 2010 Page 1

-2-0-0 2-0-0 | 6-5-0 6-5-0 | 12-3-8 5-10-8 | 17-0-0 4-8-8 | 23-0-0 6-0-0 | 29-0-0 6-0-0 | 35-2-12 6-2-12 | 42-0-0 6-9-4 | 44-0-0 2-0-0

Scale = 1:79.5



6-5-0 6-5-0 | 11-11-12 5-6-12 | 12-3-8 0-3-12 | 17-0-0 4-8-8 | 23-0-0 6-0-0 | 29-0-0 6-0-0 | 35-2-12 6-2-12 | 42-0-0 6-9-4

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

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)	-0.09	12-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.16	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.11	11-12	>999	240	Weight: 237 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

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

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

REACTIONS (lb/size) 2=482/0-3-8, 17=1476/0-7-8, 9=1134/0-7-8
Max Horz 2=223(LC 6)
Max Uplift 2=-447(LC 6), 17=-586(LC 6), 9=-461(LC 7)
Max Grav 2=486(LC 10), 17=1476(LC 1), 9=1134(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-472/850, 3-4=-43/292, 4-5=-803/738, 5-6=-1122/998, 6-7=-1122/998, 7-8=-1388/1035, 8-9=-1815/1233
BOT CHORD 2-18=-669/352, 17-18=-661/350, 16-17=-1238/696, 4-16=-1218/703, 15-19=-198/650, 14-19=-198/650, 13-14=-491/1172, 13-20=-491/1172, 12-20=-491/1172, 11-12=-868/1535, 9-11=-868/1535
WEBS 3-18=-318/214, 3-17=-434/769, 4-15=-309/910, 5-15=-444/237, 5-14=-418/719, 6-14=-370/333, 7-12=-174/343, 8-12=-422/433

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 447 lb uplift at joint 2, 586 lb uplift at joint 17 and 461 lb uplift at joint 9.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd, Boynton Beach, FL 33435

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

April 23,2010

LOAD CASE(S) Standard

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

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.
323067	T32	SPECIAL	5	1	Job Reference (optional)

I4300130

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:44 2010 Page 2

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

LOAD CASE(S) Standard

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

April 23,2010

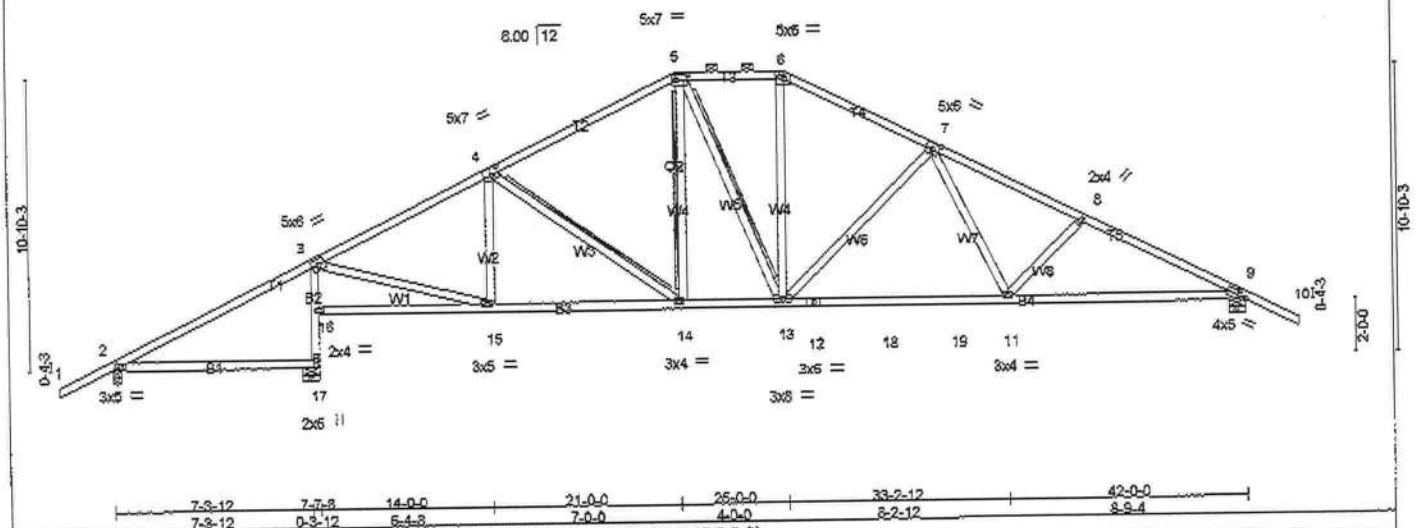
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300130
323087	T22	SPECIAL	5	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:43 2010 Page 1

-2-0-0 2-0-0 | 7-7-8 7-7-8 | 14-0-0 6-4-8 | 21-0-0 7-0-0 | 25-0-0 4-0-0 | 30-5-13 5-5-13 | 35-11-10 5-5-14 | 42-0-0 6-0-6 | 44-0-0 2-0-0

Scale = 1:79.5



7-3-12 7-3-12 | 7-7-8 0-3-12 | 14-0-0 6-4-8 | 21-0-0 7-0-0 | 25-0-0 4-0-0 | 33-2-12 8-2-12 | 42-0-0 8-9-4

Plate Offsets (X,Y): [4:0-3-8,0-3-0], [5:0-5-4,0-2-8], [6:0-3-0,0-2-0], [7:0-3-0,0-3-0], [9:0-3-10,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.21	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.34	11-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.25	2-17	>350	240	Weight: 237 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-6 oc purlins, except 2-0-0 oc purlins (5-9-10 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 4-10-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-14, 5-14, 5-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS (lb/size) 2=322/0-3-8, 17=1399/0-7-8, 9=1283/0-7-8
Max Horz 2=253(LC 6)
Max Uplift 2=-272(LC 6), 17=-612(LC 6), 9=-503(LC 7)
Max Grav 2=326(LC 10), 17=1399(LC 1), 9=1283(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1403/1096, 4-5=-1305/1091, 5-6=-1158/1093, 6-7=-1364/1140, 7-8=-1937/1412, 8-9=-2139/1475
BOT CHORD 16-17=-1355/989, 3-16=-1324/1003, 14-15=-655/1186, 13-14=-421/1086, 12-13=-809/1528, 12-18=-809/1528, 18-19=-809/1528, 11-19=-809/1528, 9-11=-1086/1621
WEBS 3-15=-695/1278, 4-15=-262/232, 4-14=-186/290, 5-13=-67/305, 6-13=-284/347, 7-13=-537/523, 7-11=-167/355, 8-11=-219/299

NOTES (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 2, 612 lb uplift at joint 17 and 503 lb uplift at joint 9.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

JULIUS S.K. LEE LICENSE No 34859 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 23,2010

Continued on page 2

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES. I4300129
323087	T19	SPECIAL	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-7=-54, 7-8=-54, 8-13=-54, 2-24=-10, 13-23=-10
   Concentrated Loads (lb)
   Vert: 14=-1570(F)

JULIUS S.K. LEE
LICENSE
No 34669
STATE OF FLORIDA
PROFESSIONAL ENGINEER

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300129
323087	T19	SPECIAL	1	1	Job Reference (optional)	

Builder's FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:42 2010 Page 1

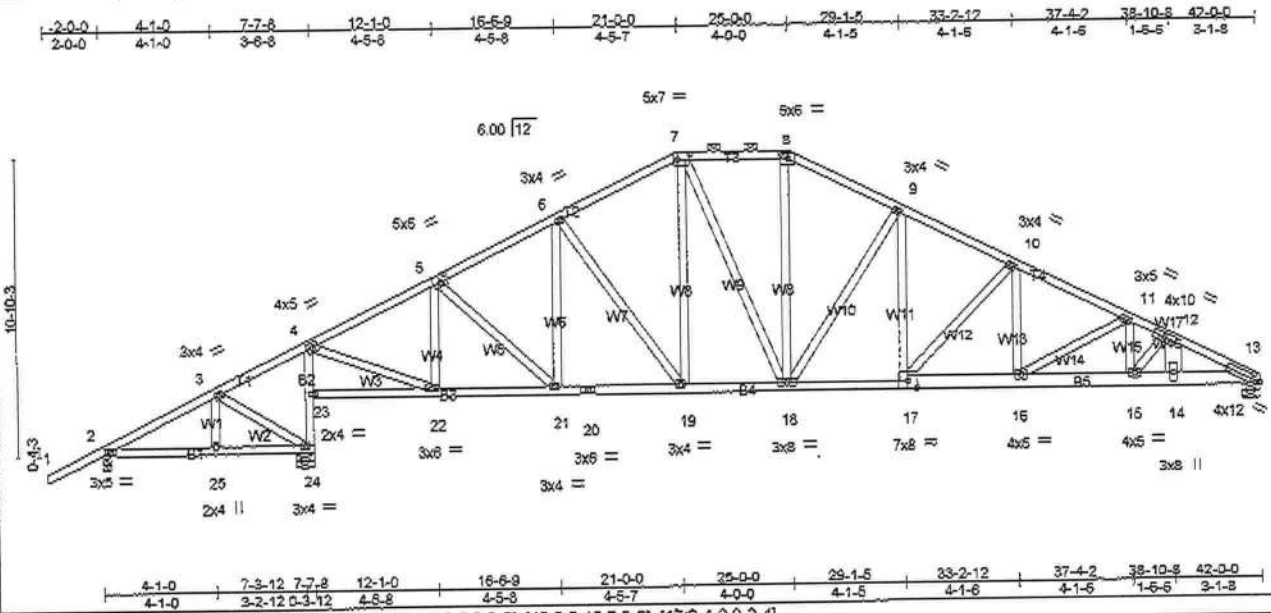


Plate Offsets (X, Y): [5:0-2-12,0-3-0], [7:0-5-4,0-2-8], [8:0-3-0,0-2-0], [13:0-3-10,0-2-0], [17:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.13	15-17	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.25	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(TL)	0.06	13	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.12	16	>999	240	Weight: 289 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 "Except"
B2: 2 X 4 SYP No.3, B5: 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 "Except"
W17: 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-14 oc purlins, except 2-0-0 oc purlins (5-4-4 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 4-7-12 oc bracing.

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

REACTIONS (lb/size) 13=2527/0-7-8, 2=329/0-3-8, 24=1488/0-7-8
Max Horz 2=271(LC 5)
Max Uplift 13=-952(LC 6), 2=-151(LC 5), 24=-554(LC 5)
Max Grav 13=2527(LC 1), 2=335(LC 9), 24=1488(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-1372/446, 5-6=-1535/523, 6-7=-1442/545, 7-8=-1348/572, 8-9=-1552/602, 9-10=-2057/762, 10-11=-2693/974, 11-12=-3877/1449, 12-13=-4804/1802
BOT CHORD 23-24=-1368/516, 4-23=-1337/525, 21-22=-371/1175, 20-21=-369/1326, 19-20=-369/1326, 18-19=-275/1239, 17-18=-452/1781, 16-17=-733/2368, 15-16=-1230/3479, 14-15=-1547/4192, 13-14=-1547/4192
WEBS 4-22=-415/1336, 5-22=-447/183, 7-18=-159/383, 8-18=-174/460, 9-18=-604/410, 9-17=-273/669, 10-17=-853/408, 10-16=-263/690, 11-16=-1278/570, 11-15=-377/965, 12-15=-1024/446, 12-14=-506/1252

NOTES (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 952 lb uplift at joint 13, 151 lb uplift at joint 2 and 554 lb uplift at joint 24.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1570 lb down and 638 lb up at 39-0-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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

April 23,2010

Continued on page 2

LOAD CASE(S) Standard

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300128
323087	T1S	SPECIAL	3	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:41 2010 Page 2

12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

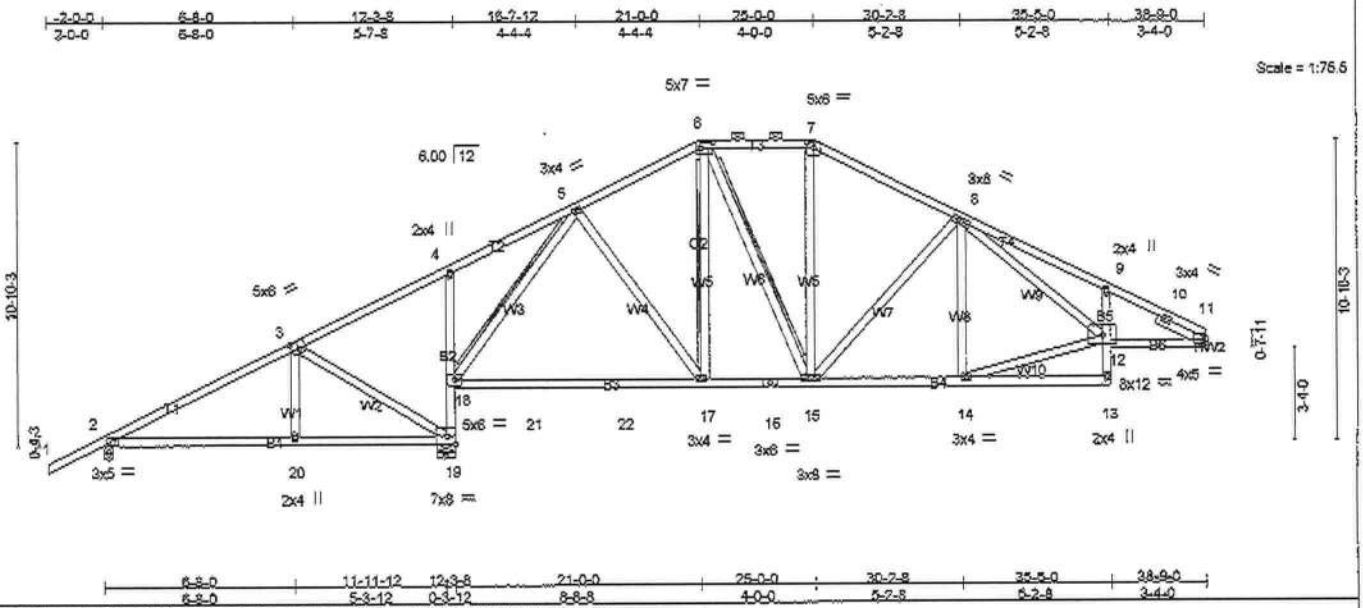
JULIUS S.K. LEE
LICENSE
No 34869
STATE OF FLORIDA
PROFESSIONAL ENGINEER

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300128
323087	T18	SPECIAL	3	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:38:41 2010 Page 1



Scale = 1:76.6

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [5:0-5-4,0-2-8], [7:0-3-0,0-2-0], [11:0-0-3,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.19	17-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.31	17-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.12	2-20	>999	240	Weight: 252 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2,B5: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 4 SYP No.2 1-10-3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 4-11-2 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-18, 6-17, 6-15
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS (lb/size) 11=856/Mechanical, 2=471/0-3-8, 19=1392/0-7-8
Max Horz 2=303(LC 6)
Max Uplift 11=-297(LC 7), 2=-411(LC 6), 19=-651(LC 6)
Max Grav 11=856(LC 1), 2=475(LC 10), 19=1392(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-439/647, 4-5=-6/259, 5-6=-758/737, 6-7=-671/774, 7-8=-821/792, 8-9=-1539/1326, 9-10=-1552/1208, 10-11=-1602/1199
BOT CHORD 2-20=-670/321, 19-20=-670/321, 18-19=-1145/749, 4-18=-265/339, 18-21=-280/492, 21-22=-280/492, 17-22=-280/492, 16-17=-252/627, 15-16=-252/627, 14-15=-552/871, 11-12=-966/1337
WEBS 3-20=-320/216, 3-19=-439/796, 5-18=-948/631, 5-17=0/278, 8-15=-315/361, 12-14=-527/841, 8-12=-561/627

NOTES (12-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=16ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 11, 411 lb uplift at joint 2 and 651 lb uplift at joint 19.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

Continued on page 2

JULIUS S.K. LEE LICENSE No 34669 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES. I4500127
323057	T17	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:40 2010 Page 2

NOTES (12-13)

11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-54, 7-8=-54, 8-13=-54, 2-22=-10, 13-21=-10

Concentrated Loads (lb)

Vert: 14=-1570(F)

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

April 23,2010

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300127
323087	T17	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:35:40 2010 Page 1

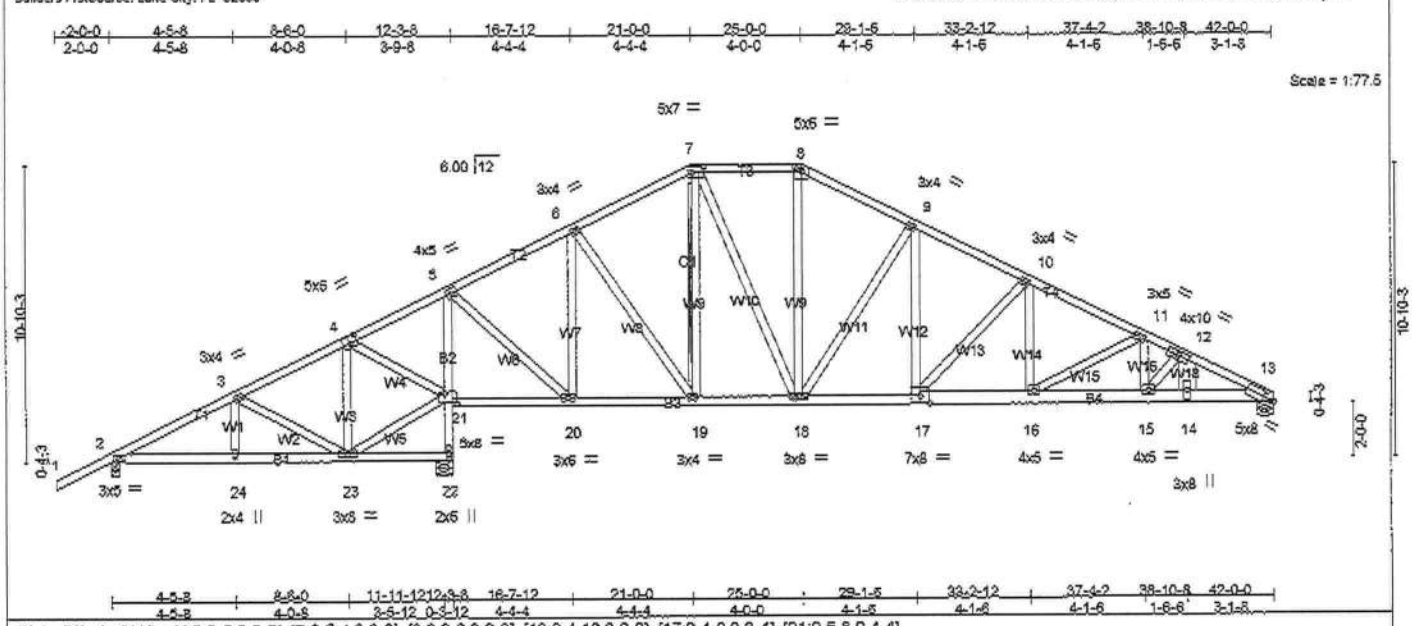


Plate Offsets (X, Y): [4:0-3-0,0-3-0], [7:0-6-4,0-2-8], [8:0-3-0,0-2-0], [13:0-4-10,0-2-8], [17:0-4-0,0-3-4], [21:0-5-8,0-4-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.10	16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.20	16	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(TL)	0.05	13	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.14	15-16	>999	240	Weight: 299 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 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W18: 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-5-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 7-19
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS (lb/size) 13=2295/0-7-8, 2=335/0-3-8, 22=1715/0-7-8
Max Horz 2=271(LC 5)
Max Uplift 13=-1563(LC 6), 2=-312(LC 5), 22=-946(LC 5)
Max Grav 13=2295(LC 1), 2=368(LC 9), 22=1715(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-281/214, 4-5=-406/623, 5-6=-511/183, 6-7=-820/391, 7-8=-888/503, 8-9=-1043/526, 9-10=-1550/786, 10-11=-2188/1177, 11-12=-3398/2151, 12-13=-4343/2975
BOT CHORD 2-24=-262/197, 23-24=-262/197, 21-22=-1699/906, 5-21=-1525/712, 20-21=-514/480, 19-20=-37/409, 18-19=-125/676, 17-18=-470/1328, 16-17=-914/1916, 15-16=-1865/3041, 14-15=-2576/3787, 13-14=-2576/3787
WEBS 3-23=-275/282, 4-23=-296/271, 4-21=-473/429, 5-20=-521/1248, 6-20=-774/366, 6-19=-229/494, 7-19=-361/209, 7-18=-338/567, 9-18=-807/567, 9-17=-449/671, 10-17=-854/647, 10-16=-520/692, 11-16=-1289/1087, 11-15=-838/977, 12-14=-1160/1277, 12-15=-1058/1001

NOTES (12-13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); porch left 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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1563 lb uplift at joint 13, 312 lb uplift at joint 2 and 946 lb uplift at joint 22.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1670 lb down and 1413 lb up at 39-0-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

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

April 23,2010

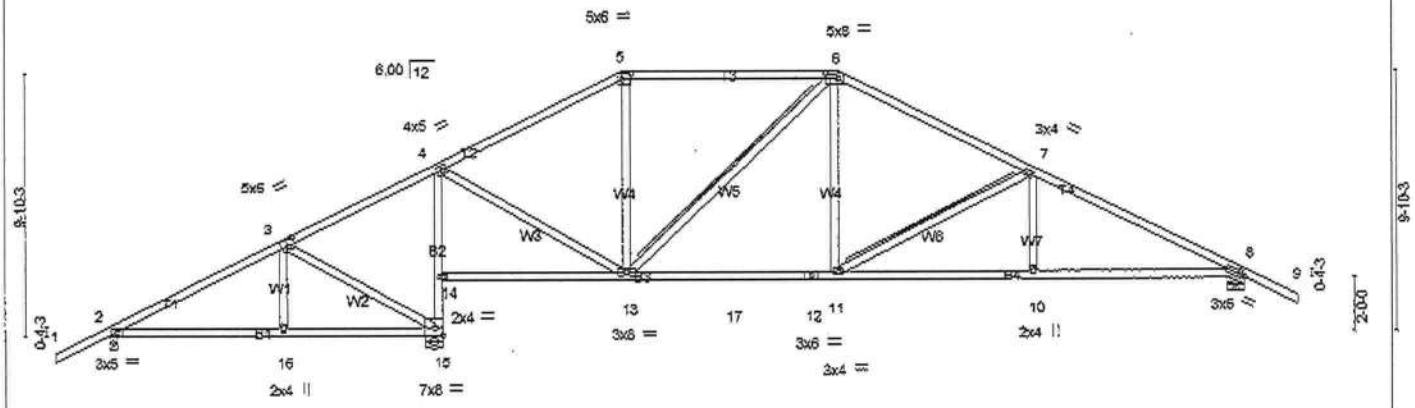
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	SPARKS - BARTH RES.	I4300126
323087	T16	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.140 s Oct 1 2009 MiTek Industries, Inc. Fri Apr 23 10:38:39 2010 Page 1

-2-0-0	8-5-0	12-3-8	19-0-0	27-0-0	34-2-12	42-0-0	44-0-0
2-0-0	8-5-0	5-10-8	6-8-8	8-0-0	7-2-12	7-9-4	2-0-0

Scale = 1:79.5



8-5-0	11-11-12	12-3-8	19-0-0	27-0-0	34-2-12	42-0-0
8-5-0	3-6-12	0-3-12	6-8-8	8-0-0	7-2-12	7-9-4

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [5:0-4-0,0-2-8], [6:0-5-8,0-2-4], [8:0-2-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.15	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.23	11-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.10	10-11	>999	240	Weight: 226 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

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

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

REACTIONS (lb/size) 2=483/0-3-8, 15=1438/0-7-8, 8=1130/0-7-8
Max Horz 2=238(LC 6)
Max Uplift 2=-439(LC 6), 15=-616(LC 6), 8=-475(LC 7)
Max Grav 2=488(LC 10), 15=1438(LC 1), 8=1130(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-476/850, 3-4=-51/296, 4-5=-915/799, 5-6=-741/805, 6-7=-1272/979, 7-8=-1777/1232
BOT CHORD 2-16=-669/355, 15-16=-669/355, 14-15=-1208/720, 4-14=-1183/734, 13-17=-391/1062, 12-17=-391/1062, 11-12=-391/1062, 10-11=-856/1495, 8-10=-856/1495
WEBS 3-16=-317/214, 3-15=-425/779, 4-13=-269/884, 6-13=-492/233, 6-11=-208/440, 7-11=-501/531

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 439 lb uplift at joint 2, 616 lb uplift at joint 15 and 475 lb uplift at joint 8.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer; Julius Lee, PE: Florida P.E. License No. 34669: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

JULIUS S.K. LEE LICENSE No 34669 STATE OF FLORIDA PROFESSIONAL ENGINEER

April 23,2010

LOAD CASE(S) Standard

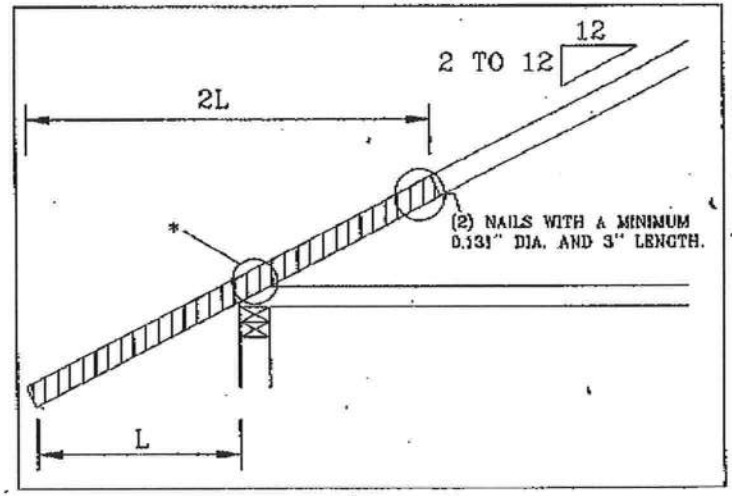
⚠ *WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.*
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper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

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

SCAB 2X4 OVERHANG DETAIL

LUMBER	TOTAL TOP CHORD LOAD (DEAD PLUS LIVE)															
	37PSF AT 1.15 DF				40PSF AT 1.15 DF				30PSF AT 1.25 DF				45PSF AT 1.33 DF			
	SOFFIT LOAD & NAILS (*)				SOFFIT LOAD & NAILS (*)				SOFFIT LOAD & NAILS (*)				SOFFIT LOAD & NAILS (*)			
	2 PSF	*	10 PSF	*	2 PSF	*	10 PSF	*	2 PSF	*	10 PSF	*	2 PSF	*	10 PSF	*
SP #2	3-07-04	3	3-03-04	3	3-05-11	3	3-01-09	3	3-06-13	2	3-01-09	2	3-03-04	3	2-11-04	3
HF #2	3-03-14	3	2-10-13	3	3-01-11	3	2-09-06	4	3-01-11	3	2-09-06	3	2-10-13	3	2-07-06	3
DF #2	3-04-07	3	2-11-09	3	3-02-09	3	2-10-01	3	3-02-09	2	2-10-01	2	2-11-09	3	2-08-01	3
SPF #1/#2	3-04-07	3	2-11-09	4	3-02-09	4	2-10-01	4	3-02-09	3	2-10-01	3	2-11-09	3	2-08-01	3

MINIMUM 2X4 SCAB, SAME GRADE AND SPECIES AS TOP CHORD DESIGNATED ON ENGINEER'S SEALED DESIGN AND TWO TIMES THE OVERHANG LENGTH. ATTACH OVERHANG SCAB TO ONE FACE OF TOP CHORD WITH MINIMUM 0.131" DIA. x 3.0" LENGTH NAILS (I.E. 10d OR 16d COMMON, SINKER, GUN, OR 16d BOX NAILS) AT 8" O.C. PLUS CLUSTERS WHERE SHOWN IN FIGURE AT RIGHT.



THIS DRAWING REPLACES DRAWING 110

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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 (V,H,S,K) ASTM A653 GRADE 40/60 (V,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

LAWRENCE A. PAIR — No. 21475 — 2-20-08 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

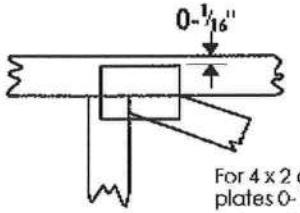
SPACING 24"

REF	2X4 SCAB O.H.
DATE	11/26/03
DRWG	OHSCB2X41103
-ENG	MLH/KAR

Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

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

*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

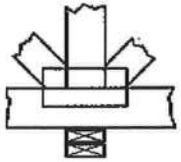
4 X 4

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

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

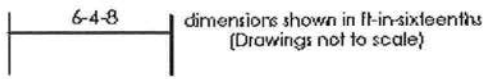


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

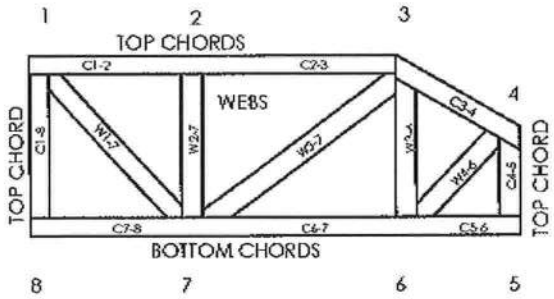
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 96048, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.