Columbia County Building Permit Application

For Office Use Only Application # 1102-50 Date Received 2-24-11 By LH Permit # 29228

Zoning Official BLK Date 01.03.11 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' above Rd River N/A Plans Examiner T.C. Date 3-1-11

Comments

☑ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☑ State Road Info ☑ Well letter (Existing) ☑ 911 Sheet ☐ Parent Parcel #

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

IMPACT FEES: EMS Fire Corr ☑ Sub VF Form

Road/Code School = TOTAL (Suspended) ☑ App Fee Paid

Septic Permit No. 11-0047 Fax

Name Authorized Person Signing Permit Sandra S. O'Neal Phone 386-752-5327

Address 4934 SW CR 240 LC 32024

Owners Name Sandra S. O'neal Phone 386-752-5327

911 Address 577 SW. Sheppard Way L.C. 32024

Contractors Name Owner build Phone 386-752-5327

Address 4934 SW CR 240 LC. 320

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address S.P. Haygood / Marty Humphries

Mortgage Lenders Name & Address owner

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

Property ID Number 24-5S-16-03707-005 Estimated Cost of Construction $150,000.

Subdivision Name Great South Timber Lot 5 Block na Unit Phase

Driving Directions 41 South TR on CR 240, TL on SW old Wire Rd., TL on Nautilus Rd, TR on Sheppard 4 thenths on (L) Double Grey Gates

Number of Existing Dwellings on Property 0

Construction of new home Total Acreage 11 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 21'9"

Actual Distance of Structure from Property Lines - Front 77' Side (Right) 134' Side (Left) 195.3' Rear 1,128'

Number of Stories 1 Heated Floor Area 1820 Total Floor Area 2621 Roof Pitch 7/12

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.

ok'510

Left Message 3-2-11

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. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)

Sandra Summerville Neal

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_____
Columbia County
Competency Card Number_____

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

Personally known_____ **or Produced Identification**_____

SEAL:

State of Florida Notary Signature (For the Contractor)

Revised

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 29228 Permit CONTRACTOR Owner Build PHONE _____

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

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

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

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

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	0002718	TONY E. JORDAN SR	Tony E. Jordan Sr.
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 2/25/2011 **DATE ISSUED:** 2/28/2011

ENHANCED 9-1-1 ADDRESS:

577 SW SHEPPARD WAY

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

24-5S-16-03707-005

Remarks:

RE-ISSUE OF EXISTING ADDRESS FOR NEW STRUCTURE.

Address Issued By: SIGNED: / RONAL N. CROFT

Columbia County 9-1-1 Addressing / GIS Department

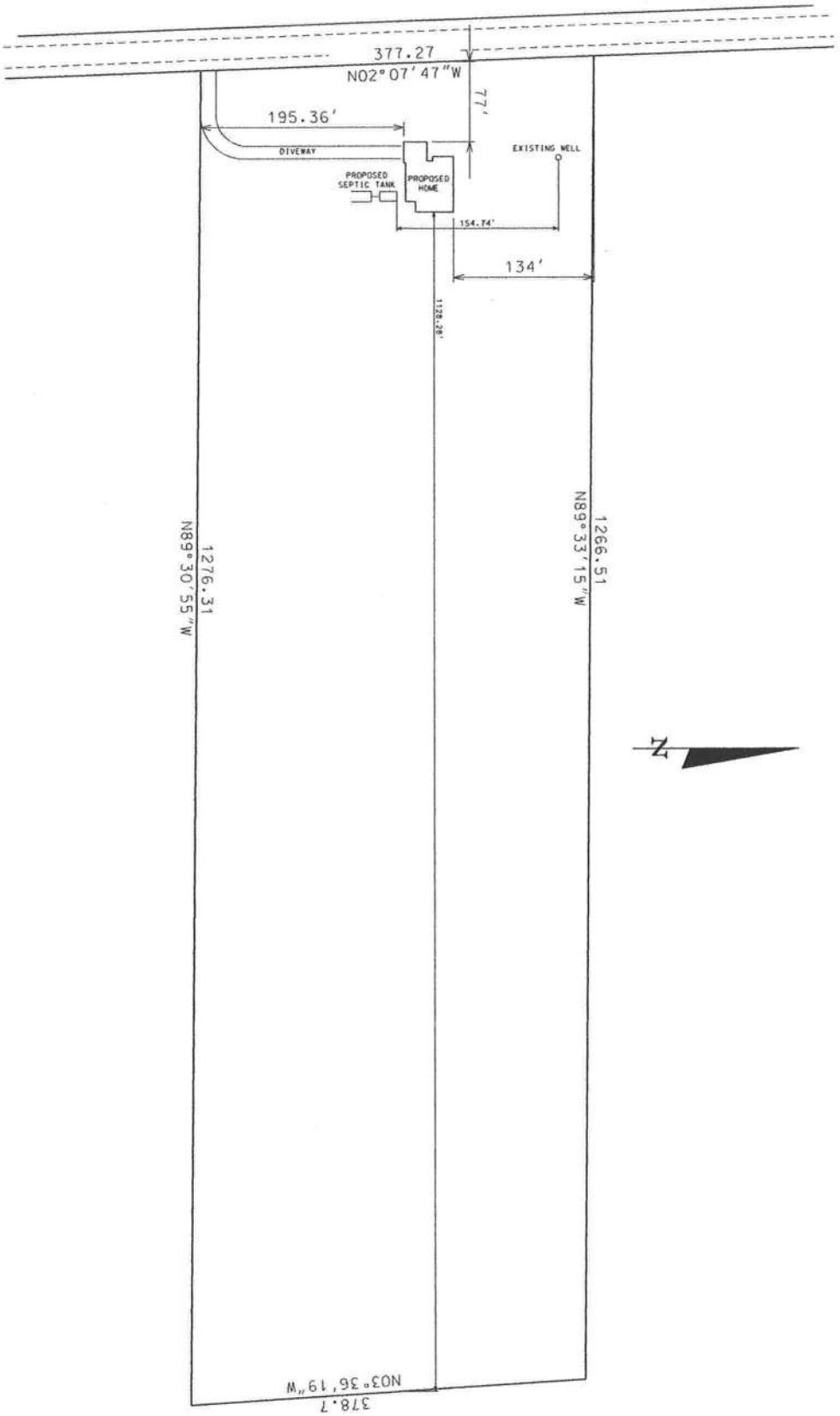
NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1921

...\Oneal two\PLOTLAYOUT.dgn 2/22/2011 9:18:37 PM

Sandra S O'Neal
577 SW Sheppard Way
Lake city Florida 32024
Columbia County

TAX PARCEL No. 24-5S-16-03707-005



Florida Department of Agriculture and Consumer Services
Bureau of Liquefied Petroleum Gas Inspection
3125 Conner Boulevard, Suite N
Tallahassee, Florida 32399-1650

Master Qualifier Mailing Address

JEFFREY E. WILLIAMS
WILLIAMS L.P. GAS, INC.
4031 SW SR 121
LAKE BUTLER, FL 32054

Licensed Location Address

WILLIAMS L.P. GAS, INC.
4031 SW STATE ROAD 121
LAKE BUTLER, FL 32054-8144

Certificate Number
01141

License Number
01054

This Master Qualifier Certificate is issued pursuant to Chapter 527, Florida Statutes. This certificate is valid only for the person and licensed holder listed. Any changes to the Master Qualifier status (such as transfer or termination of employment) must be reported to the Bureau of LP Gas Inspection at (850) 921-8001 immediately.

The Master Qualifier Certificate is valid only through the date noted on the Certificate. A notice of renewal will be sent to you in advance of your expiration date. A Master Qualifier Certificate may be renewed if certification of a minimum of 12 (twelve) hours continuing education is provided along with the renewal form. If training cannot be documented, an examination must be taken.

If there are any errors on the certificate, please submit all changes in writing to:

Bureau of Liquefied Petroleum Gas Inspection
3125 Conner Boulevard, Suite N
Tallahassee, Florida 32399-1650

Cut Here

State of Florida
Department of Agriculture and Consumer Services

Division of Standards
Bureau of Liquefied Petroleum Gas Inspection
(850) 921-8001
Tallahassee, Florida

Certificate No: 01141
Exam Date: December 7, 1982
Issue Date: August 10, 2009
Expiration Date: August 9, 2012
Exam: 0601

MASTER QUALIFIER CERTIFICATE

This Certificate is issued under authority of Section 527.02, Florida Statutes, to:

JEFFREY E. WILLIAMS

Valid For
License Number: 01054
WILLIAMS L.P. GAS, INC.
4031 SW STATE ROAD 121
LAKE BUTLER, FL 32054-8144

Charles H. Bronson
CHARLES H. BRONSON
COMMISSIONER OF AGRICULTURE

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

OWNER BUILDER DISCLOSURE STATEMENT

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

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

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

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

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

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

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

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

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

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

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

_____.

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

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

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst 201112002885 Date:2/24/2011 Time:2:31 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1210 P:1028

Tax Parcel Identification Number:

24-5S-16-03707

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)*: See attached
   a) Street *(job)* Address: 577 SW Sheppard Way LC 32024
2. General description of improvements: new home
3. Owner Information
   a) Name and address: Sandra S. O'neal
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property owner
4. Contractor Information Owner build
   a) Name and address: Sandra Oneal 4934 SW CR 240 LC 32024
   b) Telephone No.: 386 752-5327 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: Owner finance
   b) Phone No. 386-752-5327
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: _____
   b) Telephone No.: _____ 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(l)(b), Florida Statutes:
   a) Name and address: _____
   b) Telephone No.: _____ 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. Sandra S. O'Neal
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Sandra S. O'Neal
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 24 day of February, 20 11, by: Owner as Sandra O'Neal **(type of authority, e.g. officer, trustee, attorney fact) for** Sandra O'Neal **(name of party on behalf of whom instrument was executed).**

Personally Known ____ OR Produced Identification ✓ Type FLDL

Notary Signature Laurie Hodson Notary Stamp or Seal:

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
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.

Sandra S. O'Neal
Signature of Natural Person Signing (in line #10 above.)

Tract 5 of a Survey by W.C. Hale and Associates, dated February 3, 1994, more particularly described as follows:

TOWNSHIP 5 SOUTH, RANGE 16 EAST

Section 24: Commence at the Southeast corner of said Section 24 and run thence N 89°30'55" W along the South line of said Section 24 a distance of 1305.14 feet to the East right-of-way line of a 40 foot County maintained road known as Shepherd Road; thence run N 01°19'57" E along said East right-of-way line a distance of 697.06 feet to a P.T. on said East right-of-way line; thence run N 02°07'47" E, still along the East right-of-way line of Shepherd Road a distance of 785.33 feet to the POINT OF BEGINNING; thence continue N 02°07'47" E along said East right-of-way line a distance of 377.03 feet; thence S 89°30'55" E a distance of 1266.51 feet to the East line of said Section 24; thence S 0°38'26" W along the East line of Section 24 a distance of 376.87 feet; thence N 89°30'55" W a distance of 1276.31 feet to the East right-of-way line of Shepherd Road and the POINT OF BEGINNING, containing 11 acres more or less, subject to Restrictions recorded in O. R. Book 0786, pages 0401-0403, and subject to Power Line Easement.

574

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1102-50 CONTRACTOR SANDRA O'NEAL PHONE 752-5327

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 76	Print Name Matthews Electric License #: ER 0014352	Signature Phone #: 386-344-2029
MECHANICAL/ A/C 138	Print Name Boozer Heating & Air License #: RA0035027	Signature Phone #: 386 754 6702
PLUMBING/ GAS 295	Print Name Hometown Plumbing License #: RF11067418	Signature Phone #: 386-754 6140
ROOFING 574 (see below)	Print Name Haygood Homes License #: CGC1518157	Signature Phone #: 386 303 1981
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			Darrell Spradley
CONCRETE FINISHER	000063	Spradley Concrete	
FRAMING 574	CGC1518157	Haygood Homes	4.12.10
INSULATION	000625	Touchton Insulation	Bobby O Jackson
STUCCO	—	—	—
DRYWALL	000627	Jackson Drywall	Bobby O Jackson
PLASTER	—	—	—
CABINET INSTALLER			
PAINTING 574	CGC1518157	Haygood Homes	
ACOUSTICAL CEILING	—	—	—
GLASS	—	—	—
CERAMIC TILE 574	CGC1518157	Haygood Homes	
FLOOR COVERING 574	CGC1518157	Haygood Homes	
ALUM/VINYL SIDING 574	CGC1518157	Haygood Homes	
GARAGE DOOR	000619	Lake City Glass	Carl Bullard Jr
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.

Contractor Forms: Subcontractor form: 6/09

* Gas Williams Gas Lic. # 01054 - CERT. REC'D ☑

Signature Jeffrey E. Williams Phone # 386 496-3725

WARRANTY DEED
INDIVID. TO INDIVID

This Warranty Deed *Made the* 8th *day of* September *A. D. 19* 99 *by*
SUBRANDY LIMITED PARTNERSHIP

hereinafter called the grantor, to SANDRA S. O'NEAL

whose postoffice address is Rt. 14, Box 1622, Lake City, FL 32024
hereinafter called the grantee:
(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

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

FOR LEGAL DESCRIPTION AND RESTRICTIONS SEE ATTACHED SCHEDULE "A" WHICH IS BY REFERENCE HEREBY MADE A PART HEREOF.

TOGETHER WITH A 1983 CONC MOBILE HOME, IDENTIFICATION NUMBER [redacted]

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL.
BK 0888 PG 0023
99-15660 1999 SEP 14 AM 9:37 OFFICIAL RECORDS

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

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

And *the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 19 98.*

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

Signed, sealed and delivered in our presence:

Witness Eva E. Timmons

Witness Andrew J. Dicks

SUBRANDY LIMITED PARTNERSHIP

BRADLEY N. DICKS, [illegible]

STATE OF Florida
COUNTY OF Columbia

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared BRADLEY N. DICKS, GENERAL PARTNER

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

WITNESS my hand and official seal in the County and State last aforesaid this 8th day of September, A. D. 19 99

NOTARY PUBLIC
Eva E. Timmons
Eva E. Timmons My Commission Expires _____, 19____

Documentary Stamp 182.00
Intangible Tax
P. DeWitt Cason
Clerk of Court
By [illegible] D.C.

NOTARY PUBLIC SEAL
EVA E TIMMONS
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC
MY COMMISSION EXP. AUG 2, 2001

This instrument prepared by: Lowell H. Dicks
Address: U. S. 90 West, Lake City, Florida 32055

SCHEDULE "A"

To Warranty Deed from SUBRANDY LIMITED PARTNERSHIP, GRANTOR, TO SANDRA S. O'NEAL, GRANTEE, Dated September 8, 1999, which is by reference hereby made a part hereof.

Tract 5 of a Survey by W.C. Hale and Associates, dated February 3, 1994, more particularly described as follows:

TOWNSHIP 5 SOUTH, RANGE 16 EAST

Section 24: Commence at the Southeast corner of said Section 24 and run thence N 89°30'55" W along the South line of said Section 24 a distance of 1305.14 feet to the East right-of-way line of a 40 foot County maintained road known as Shepherd Road; thence run N 01°19'57" E along said East right-of-way line a distance of 697.06 feet to a P.T. on said East right-of-way line; thence run N 02°07'47" E, still along the East right-of-way line of Shepherd Road a distance of 785.33 feet to the POINT OF BEGINNING; thence continue N 02°07'47" E along said East right-of-way line a distance of 377.03 feet; thence S 89°30'55" E a distance of 1266.51 feet to the East line of said Section 24; thence S 0°38'26" W along the East line of Section 24 a distance of 376.87 feet; thence N 89°30'55" W a distance of 1276.31 feet to the East right-of-way line of Shepherd Road and the POINT OF BEGINNING, containing 11 acres more or less, subject to Restrictions recorded in O. R. Book 0786, pages 0401-0403, and subject to Power Line Easement.

Columbia County Property Appraiser

DB Last Updated: 2/17/2011

2010 Tax Year

Tax Collector | Tax Estimator | Property Card | Parcel List Generator | Interactive GIS Map | Print

Parcel: 24-5S-16-03707-005

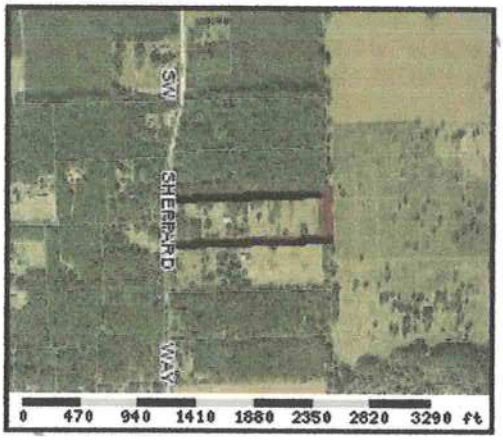
<< Next Lower Parcel | Next Higher Parcel >>

<< Prev Search Result: 25 of 29 Next >>

Owner & Property Info

Owner's Name	O'NEAL SANDRA S		
Mailing Address	4934 SW COUNTY ROAD 240 LAKE CITY, FL 32024		
Site Address	577 SW SHEPPARD WAY		
Use Desc. (code)	TIMBERLAND (005500)		
Tax District	3 (County)	**Neighborhood**	24516
Land Area	11.000 ACRES	**Market Area**	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		

COMM SE COR OF SEC, RUN W 1305.14 FT TO E R/W SHEPHERD RD, N ALONG R/W 1482.39 FT FOR POB, CONT N 377.03 FT, E 1266.51 FT, S 376.87 FT, W 1276.31 FT TO POB. (AKA TRACT 5 GREAT SOUTH TIMBER S/D UNR) ORB 888-021, 888-023, 891-1881 CORR DEED 894-1460,



Property & Assessment Values

2010 Certified Values		
Mkt Land Value	cnt: (1)	$2,000.00
Ag Land Value	cnt: (1)	$2,385.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (2)	$8,880.00
Total Appraised Value		$13,265.00
Just Value		$52,017.00
Class Value		$13,265.00
Assessed Value		$13,265.00
Exempt Value		$0.00
Total Taxable Value		Cnty: $13,265 Other: $13,265 | Schl: $13,265

2011 Working Values

NOTE:
2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
9/8/1999	888/23	WD	V	Q		$26,000.00

Building Characteristics

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

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0040	BARN,POLE	2003	$2,880.00	0001152.000	24 x 48 x 0	(000.00)
0020	BARN,FR	2009	$6,000.00	0000001.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value

005500	TIMBER 2 (AG)	11 AC	1.00/1.00/1.00/0.90	$216.82	$2,385.00
009910	MKT.VAL.AG (MKT)	11 AC	1.00/1.00/1.00/0.90	$0.00	$37,023.00
009945	WELL/SEPT (MKT)	1 UT - (0000000.000AC)	1.00/1.00/1.00/1.00	$2,000.00	$2,000.00

Columbia County Property Appraiser DB Last Updated: 2/17/2011

<< Prev 25 of 29 Next >>

DISCLAIMER

11-0047

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

PERMIT NO. 991907
DATE PAID: 1/28/11
FEE PAID: 150.00
RECEIPT #: 1558474

CONSTRUCTION PERMIT FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Sandra O'Neal

PROPERTY ADDRESS: 577 SW Sheppard Way, Lake City, FL

LOT: 5 BLOCK: na SUBDIVISION: Great South Timber UNR
[SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]

PROPERTY ID #: 24-5S-16-03707-005 [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [900] GALLONS / GPD SEPTIC TANK/AEROBIC UNIT CAPACITY MULTI-CHAMBERED/IN-SERIES [ ]
A [/] GALLONS / GPD _____ CAPACITY MULTI-CHAMBERED/IN-SERIES [ ]
N [/] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
K [/] GALLONS DOSING TANK CAPACITY [ ] GALLONS @ [ ] DOSES PER 24 HRS # PUMPS [ ]

D [375] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
R [/] SQUARE FEET _____ SYSTEM
A TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ] _____
I CONFIGURATION: [X] TRENCH [ ] BED [ ] _____
N
F LOCATION OF BENCHMARK: NAIL IN FENCE POST EAST OF SITE
I ELEVATION OF PROPOSED SYSTEM SITE [0] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [30] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [NA] INCHES EXCAVATION REQUIRED: [NA] INCHES

O _____
T _____
H _____
E _____
R _____

SPECIFICATIONS BY: Rocky D Fo TITLE: MASTER CONTRACTOR Columbia CHD

APPROVED BY: Sallie Ford TITLE: EH Director

DATE ISSUED: 2-4-11 EXPIRATION DATE: 8-4-12

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)
Incorporated: 64e-6.003, FAC

SKW

11-0057

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 99194[illegible]
DATE PAID: 1/28/11
FEE PAID: 1385.00
RECEIPT #: 1558919

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Sandra O'Neal

AGENT: ROCKY FORD, A & B CONSTRUCTION TELEPHONE: 386-497-2311

MAILING ADDRESS: P.O. BOX 39 FT. WHITE, FL, 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 5 BLOCK: na SUB: Great South Timber UNR PLATTED: _____

PROPERTY ID #: 24-58-16-03707-005 ZONING: Ag. I/M OR EQUIVALENT: [Y /(N)]

PROPERTY SIZE: 11 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y /(N)] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 577 SW Sheppard Way, Lake City, FL, 32024

DIRECTIONS TO PROPERTY: 47 South, TL on Watson Road, TR on Old Wire, TL on Landrum, TL on Sheppard Way, 8/10ths to site on right

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	3	1820	
2				
3				

[√] Floor/Equipment Drains [ ] Other (Specify) _____

SIGNATURE: Rocky D Ford DATE: 1/27/2011

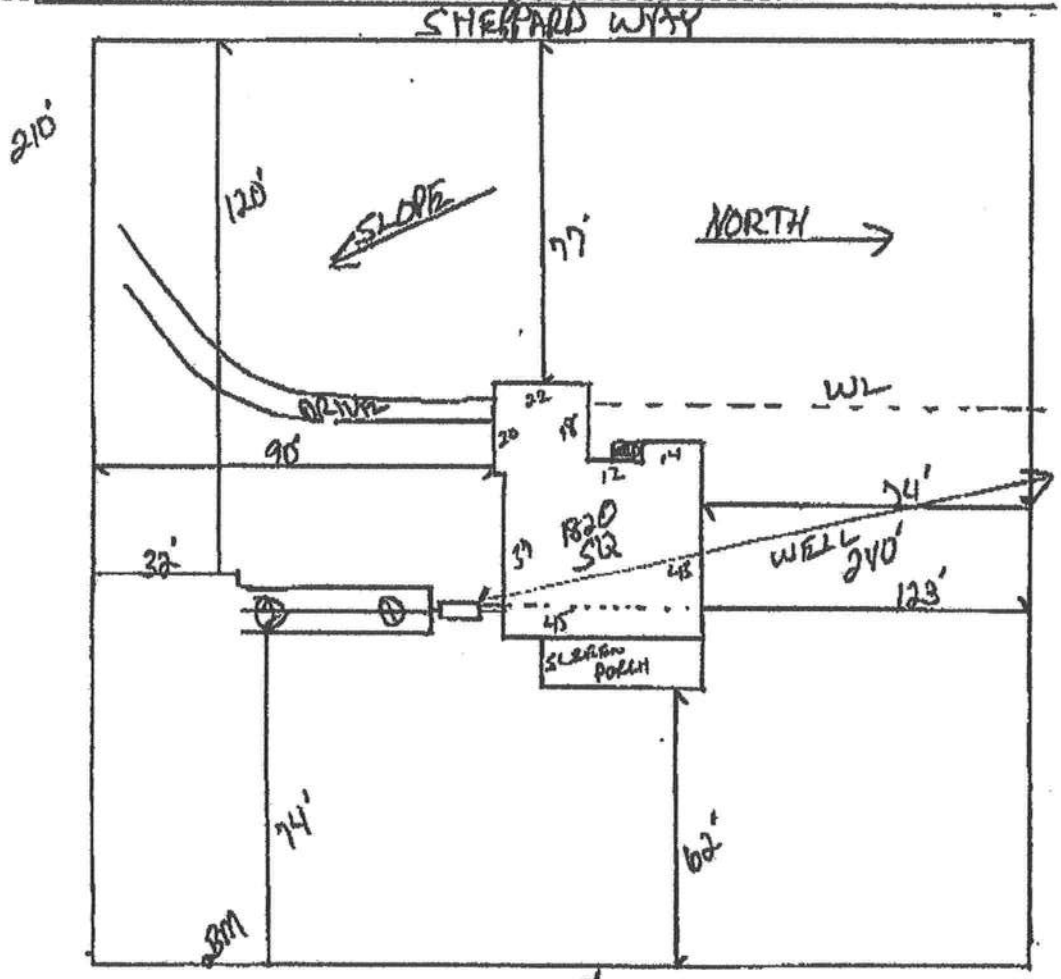
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 11-0047

O'NEAL PART II SITE PLAN 210'

Scale: 1 inch = 40 feet.



SEE ATTACHED

Notes: 1 of 11 Acres

Site Plan submitted by: Rocky D 7-0

Plan Approved X Not Approved

By Sallie Ford - EH Director Columbia CHD

MASTER CONTRACTOR

Date 2-4-11

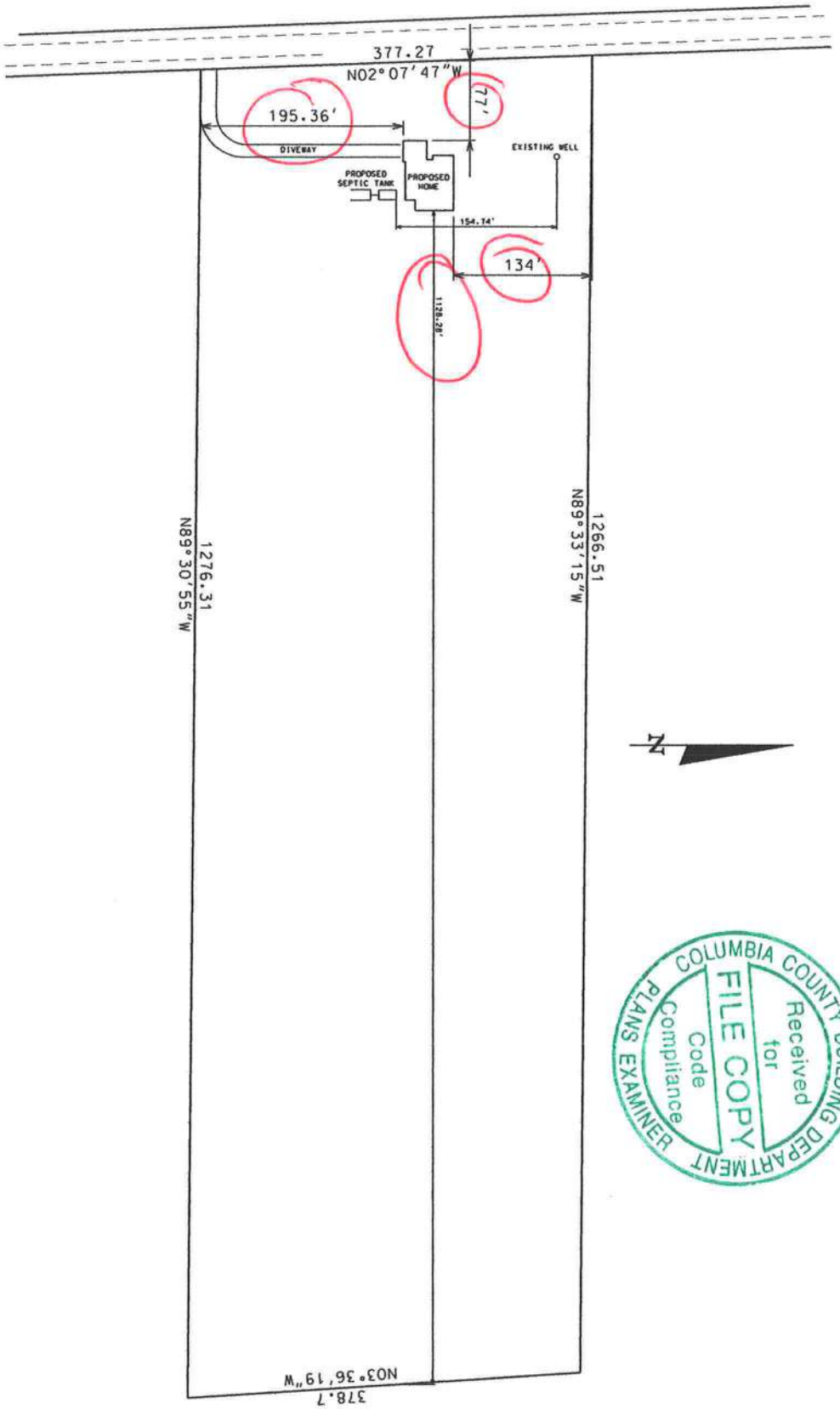
County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

...\Oneal two\PLOTLAYOUT.dgn 2/22/2011 9:18:35 PM

Sandra S O'Neal
577 SW Sheppard Way
Lake city Florida 32024
Columbia County

TAX PARCEL No. 24-5S-16-03707-005



Location: Project Name:

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project 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 Numb
A. EXTERIOR DOORS			FL 4242-
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			FL 889-R
3. EIFS		Vinyl Siding D5	FL 4899
4. Storefronts			FI 4905
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			FL 3820-R
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			FL 586-R2
3. Roofing Fasteners			FL 1814-R
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			

ory/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(
3. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			FL 1960-R
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			FL 451 -R
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL 474-R1
2. Truss plates			
3. Engineered lumber			FL 1008-R1
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspecti

Contractor or Contractor's Authorized Agent Signature

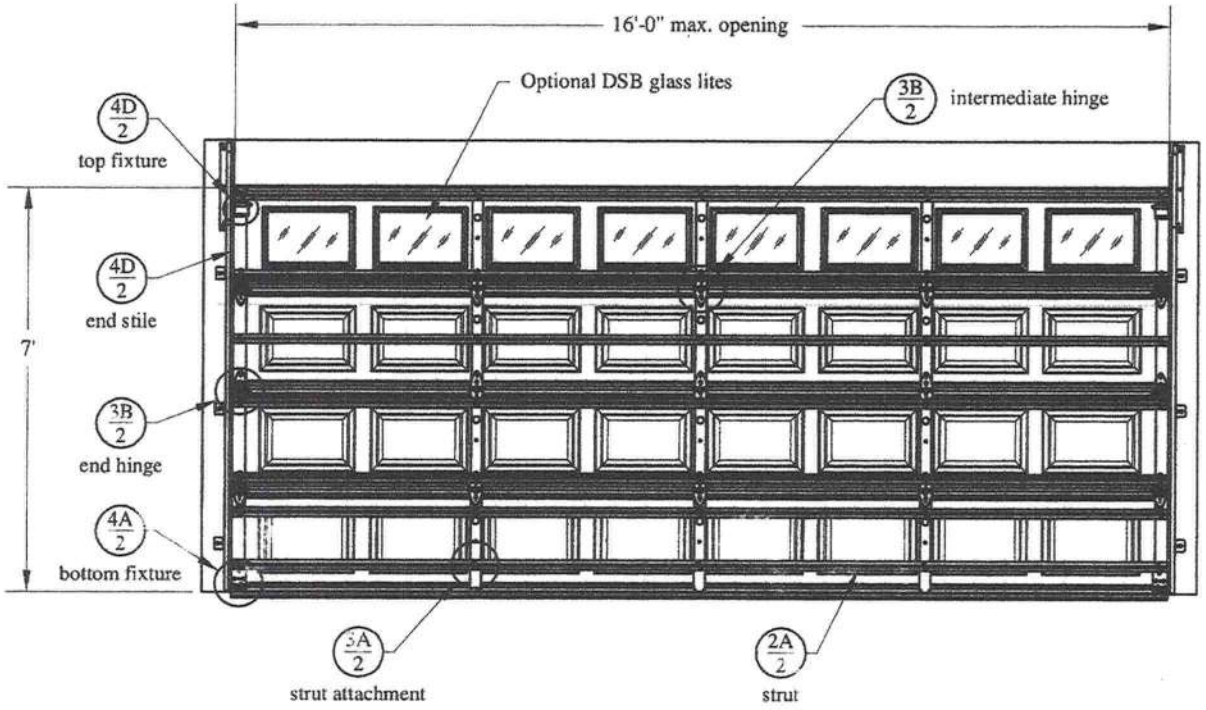
Print Name

Date

Location

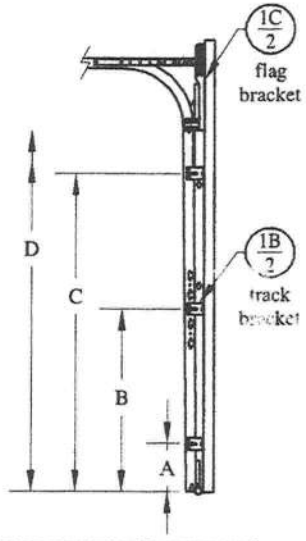
Permit # (FOR STAFF USE ONLY)

Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225



door height	section quantity	strut quantity	trk brkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart		door height								
		6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
track brackets	D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
	C	60"	63"	66"	58"	55"	58"	60"	63"	66"
	B	35"	35"	38"	34"	31"	34"	32"	35"	38"
	A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/DASMA 108-2002
Design Pressure (DP): 18.5 pos / 20.7 neg
Test Pressure (TP): 27.8 pos / 31.1 neg

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of;
V = 110 MPH for Exposure B and mean roof height of 30' or less
V = 93 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and door have not been tested for windborne debris.

Wood buck and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.

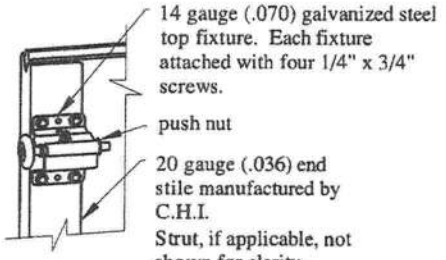
If door is not electrically operated, a lock must be installed.

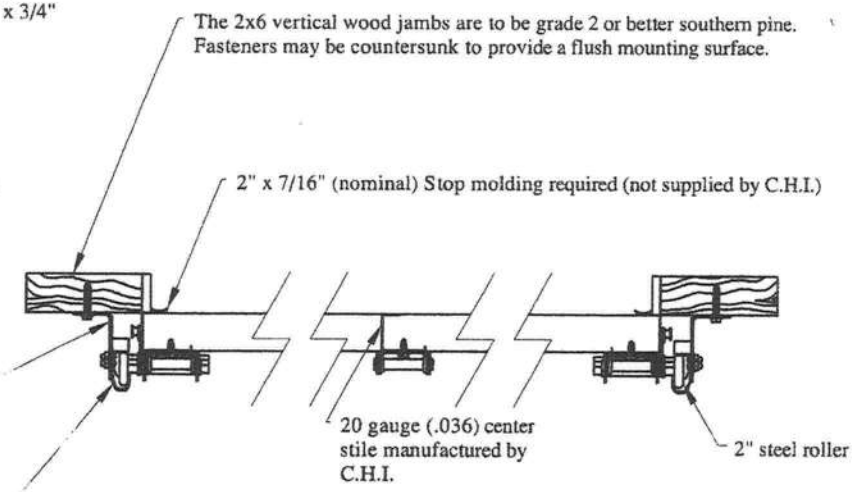
Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

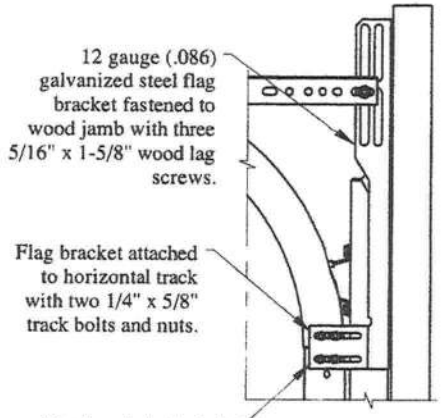
FL 5519

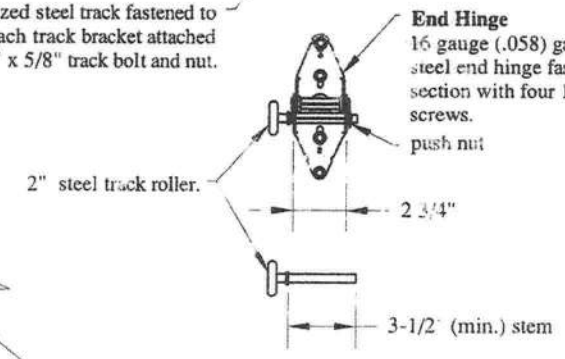
C.H.I. OVERHEAD DOORS
SCALE nts
DATE 10-25-2005
Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100

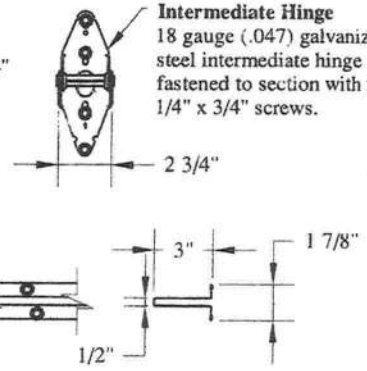


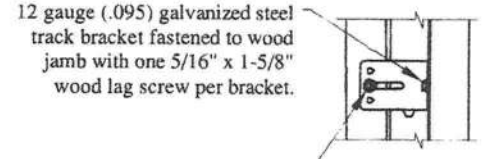


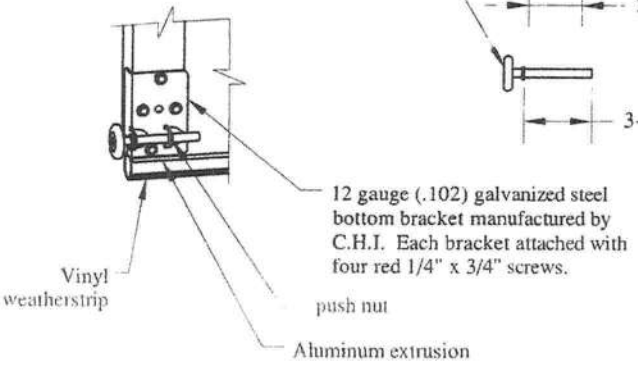
Details on some views may have been omitted for clarity.











20 gauge (.034) 33 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg

C.H.I. OVERHEAD DOORS
SCALE nts
DATE 10-25-2005
Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) **SHALL BE USED.**

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			**Items to Include- Each Box shall be Circled as Applicable**		
				Yes	**No**	**N/A**
1	Two (2) complete sets of plans containing the following:					
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void					
3	Condition space (Sq. Ft.) 1820		Total (Sq. Ft.) under roof	IIIIIII	IIIIIII	IIIII

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

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

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

Elevations Drawing including:

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

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			N/A
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)	✓		
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

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

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

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓
45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			✓

48	intermediate of the areas structural panel sheathing			
49	Show Draftstopping, Fire caulking and Fire blocking			
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			
51	Provide live and dead load rating of floor framing systems (psf).			

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

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

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

FBCR ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

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

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study			
78	Exhaust fans locations in bathrooms			
79	Show clothes dryer route and total run of exhaust duct			

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified			
86	Ceiling fans			
87	Smoke detectors & Carbon dioxide detectors			
88	Service panel, sub-panel, location(s) and total ampere ratings			
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.			

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

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

Notice Of Commencement

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

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A permit showing an approved waste water sewer tap			✓
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓
98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is **$50.00**			✓
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			✓
102	**911 Address:** If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

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

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

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

O'neal Residence, Columbia County FL

Wind Load Analysis Requirements

(In Compliance with the 2007 Florida Building Code and Amendments)

Prepared By: Marty J. Humphries, P.E. # 51976
7932 240th St., O'Brien, FL 32071 (386)935-2406

Description of New Residence:

Footprint: 46'wide x 67'deep overall(see plan "P 1003" by Haygood Homes Inc.)
Walls: 2x4-16" O.C. with 7/16" OSB sheathing and hardiplank lap siding with ½"gypsum wall-board interior.
Roof Structure: Pre-engineered roof trusses and 15/32" OSB or 15/32" CDX plywood sheathing (min.)
Roof Type: gable (analyzed for 1'4" eave overhang and porch areas)
Foundation: footer & stemwall

Windload Data and Exposure:

Basic Wind Speed = 110 mph
Importance Factor = 1.0
Exposure category = B
Height and Exposure Adjustment Coefficient = 1.0
Residential Occupancy = Group R3
Analysis Method = ASCE 7-05 Chapter 6 Simplified Procedure
Component and Cladding Pressures: Roof – Zone 1=19.9,-21.8, Zone 2=19.9 -25.5, Zone 3=19.9,-25.5, Wall – Zone 4=21.8,-23.6, Zone 5 =21.8, -29.1
Mean roof height = 16'
Roof Cross Slope = 7:12
Eave Overhang= (1'4" eave and porch areas)
Wall Height = 8' (above slab)
Shear Wall locations = exterior walls only(>3' in length)(all exterior walls shall be sheathed)

Nailing Pattern Requirements:

Wall sheathing: (exterior walls)	Shall be 7/16" Oriented Strand Board(OSB) minimum nailed with 8d common nails 3" on center around edges(including around doors and windows) and 6" on center interior. Long dimension of sheathing shall be installed vertical and full depth blocking shall be installed at horizontal joints in sheathing.
Roof sheathing:	Shall be 15/32" Oriented Strand Board(OSB) or 15/32" CDX plywood nailed with 8d ring shank nails 6" on center at panel ends and overhangs and 6" on center elsewhere.
Top wall plate:	Nail with 1-16d common nail 12" O.C.(average)

Marty J. Humphries
2-14-11

Strapping and Anchor Requirements:

truss to wall plate and porch beam locations: Install one Simpson model H10 hurricane anchor at each location.

wall strap tie requirements: (exterior walls) At top and bottom of wall install one Simpson model SP4 at each side of each door 4' or less in width. For windows or doors greater than 4' in width install 2-SP4's each side. All other wall locations install SP4's top and bottom of wall 4' on center. For interior load bearing walls as required by truss plan install one Simpson SP4 32" on center top and bottom of the wall. 1/2" anchor bolts 3' on center shall be installed for interior load bearing walls.

Porch Columns: ABU44, AC4Max(ACE4Max may be used for end columns)

Lookouts: Install one Simpson model H5 where lookouts connect to end gable truss.

Gable end: Install one LSTA18 - 4' on center connecting gable end truss to wall framing.

Gable End Bracing Requirements:

At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss approx. 45 degrees to truss at roof sheathing, nail with 2 -12d nails where it crosses truss members and at ends. Gable end trusses shall be built to receive sheathing with vertical members 2' on center. Vertical members of gable end truss greater than 5' in height shall be stiffened with one 2x4 SPF nailed with 12d nails 8" on center to back of vertical member. (See attached detail)

Foundation Requirements:

Stemwall: Minimum size of footer shall be 10" x 20" wide with 2-#5 rebar continuous and 1-#5 vertical rebar 48" on center. All cells shall be filled with concrete. ½" anchor bolts with 2" washers shall be installed 3' on center, each side of doors, and 9" from corners each way. (3000 psi concrete min.) Porch stemwall footer may be reduced to 16" in width.

Interior Monolithic Footer: (as required by truss plan) Poured with slab, 16" wide at bottom sloping on each side 6" to bottom of slab, 10" thick from bottom of footer to top of slab with 2 #5 rebar continuous.

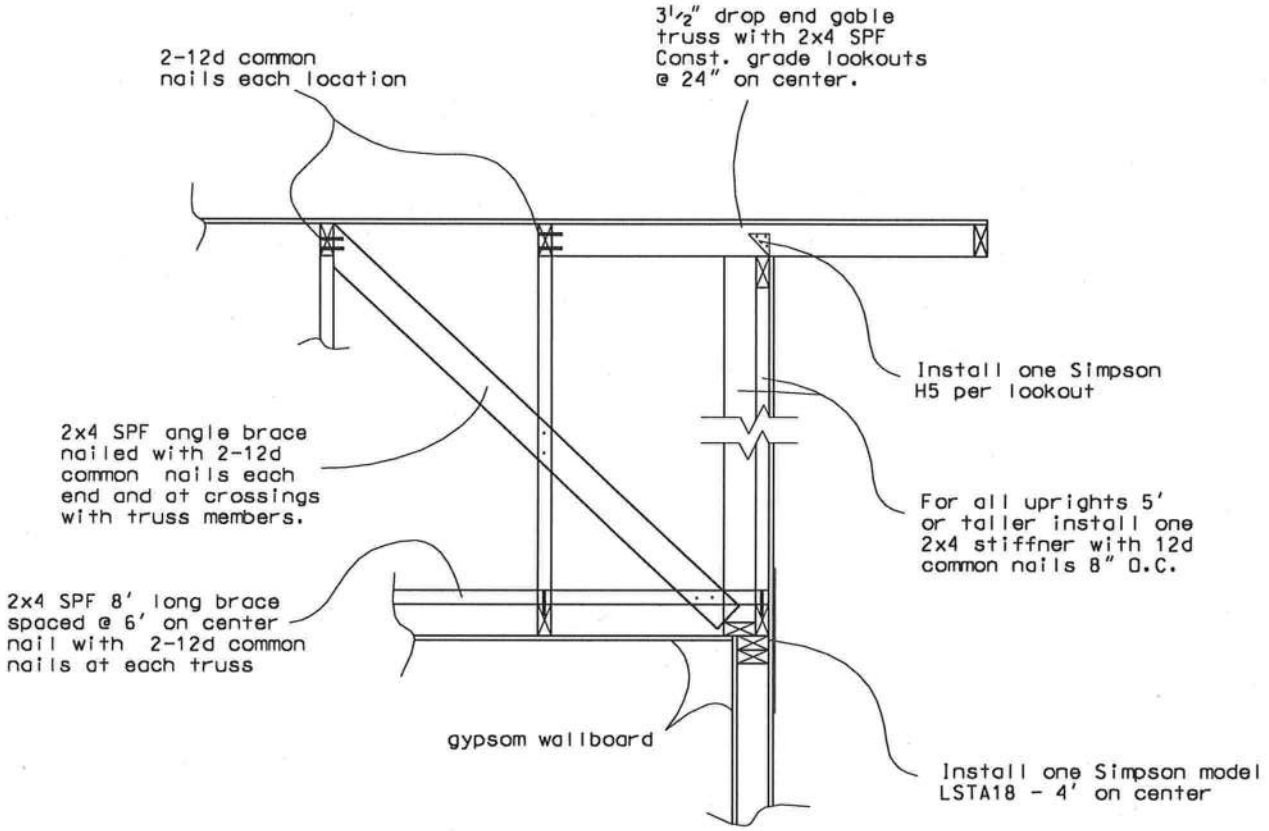
Header Requirements:

Windows, Doors, Porches & Garage Door: Minimum header shall be 2 - #2 SYP 2x12's w 1/2" OSB or plywood between nailed w 12d nails 10" on center top & bottom. Exception: Front porch header may be reduced to 2-#2 SYP 2x8's w 1/2" OSB or plywood between nailed with 12d nails 10" on center top & bottom.

Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.

Marty D. Hay

2-14-11



GABLE END BRACING DETAIL (N.T.S.)

Marty J. Humphries

2-14-11

O'neal Residence Columbia County, FL	DETAIL PREPARED BY: MARTY J. HUMPHRIES P.E. # 51976 7932 240TH ST., O'BRIEN, FL 32071

NEW! The H2.5A is symetrically designed for easy installation, with higher uplift loads to meet new code requirements. A placement mark allows easy installation on double top plates.

NEW! The H5A has an installed cost benefit, as it only requires 6 nails, to meet lower uplift requirements.

The H connector series provides wind and seismic ties for trusses and rafters.

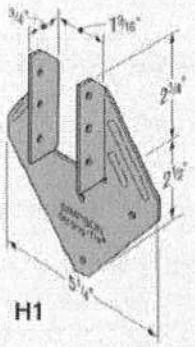
Allowable loads for more than one direction for a single connection cannot be added together. A design load which can be divided into components in the directions given must be evaluated as follows:
Design Shear/Allowable Shear + Design Tension/Allowable Tension ≤ 1.0.

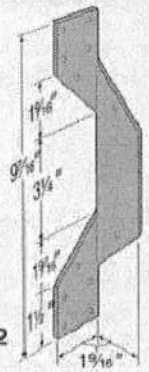
MATERIAL: See table

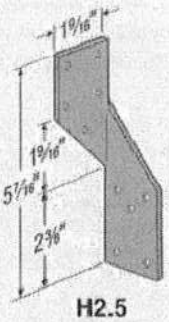
FINISH: Galvanized; H10-2, H11Z-Z-MAX. Other models available in stainless steel or Z-MAX; see Corrosion-Resistance, page 5.

INSTALLATION:
- Use all specified fasteners. See General Notes.
- H1 can be installed with flanges facing outwards (reverse of drawing number 1). When installed inside a wall, a birdsmouth cut is required.
- H2.5, H3, H4, H5 and H6 ties are shipped in equal quantities of rights and lefts.
- Bend the H7 over the top of the truss. Install a minimum of four 8d nails into the truss, including two into the truss side.
- Hurricane Ties do not replace solid blocking.

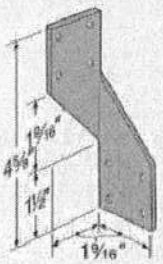
CODES: BOCA, ICBO, SBCCI NER-422, NER-393, NER-432; NER-499; City of L.A. RR 24818; Dade Co. FL 00-0512.11 (H10); 00-0926.01 (H1, H2.5, H3, H4, H5).


H1


H2


H2.5


H2.5A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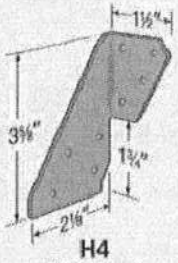
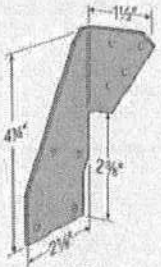

H4
U.S. Patent 4,714,372


H5
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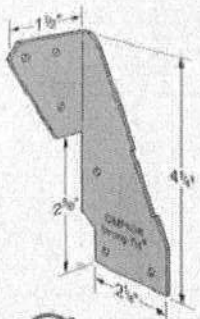
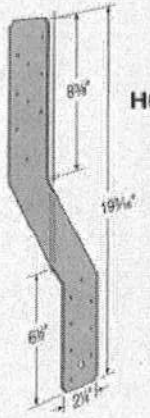

H5A
U.S. Patent 4,714,372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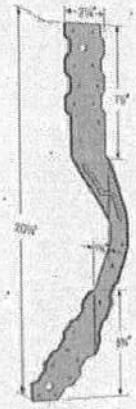
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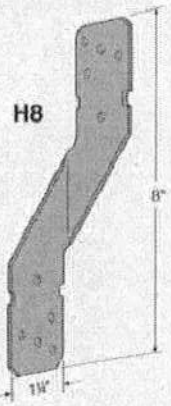
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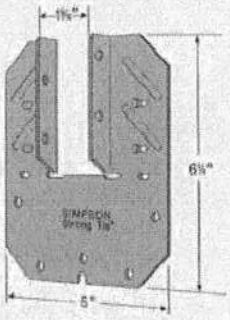
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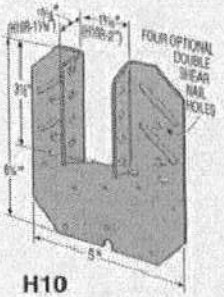
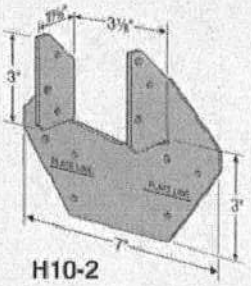
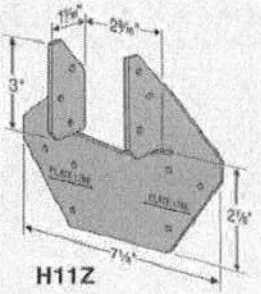

H10
(H10R similar)
U.S. Patents 4,480,941; Canada Patent 1,193,418

Model No.	Ga	Fasteners			Uplift Avg Ult	Doug-Fir Larch/So. Pine Allowable Loads[1,2]				Uplift Load with 8dx1½ Nails (133 & 160)	Spruce-Pine-Fir Allowable Loads[1,2]				Uplift Load with 8dx1½ Nails (133 & 160)
		To Rafters/ Truss	To Plates	To Studs		Uplift		Lateral (133/160)			Uplift		Lateral (133/160)		
						(133)	(160)	F_1	F_2		(133)	(160)	F_1	F_2	
H1	18	6-8dx1½	4-8d	—	1958	490	585	485	165	455	400	400	415	140	370
H2	18	5-8d	—	5-8d	1040	335	335	—	—	335	230	230	—	—	230
H2.5	18	5-8d	5-8d	—	1300	415	415	150	150	415	365	365	130	130	365
NEW H2.5A	18	5-8d	5-8d	—	1793	600	600	110	110	480	520	535	110	110	480
H3	18	4-8d	4-8d	—	1433	455	455	125	160	415	320	320	105	140	290
H4	20	4-8d	4-8d	—	1144	360	360	165	160	360	235	235	140	135	235
H5	18	4-8d	4-8d	—	1485	455	465	115	200	455	265	265	100	170	265
NEW H5A	18	3-8d	3-8d	—	1500	350	420	115	180	290	245	245	100	120	170
H6	16	—	8-8d	8-8d	3983	915	950	650	—	—	785	820	560	—	—
H7	16	4-8d	2-8d	8-8d	2991	930	985	400	—	—	800	845	345	—	—
H8	18	5-10dx1½	5-10dx1½	—	2422	620	745	—	—	—	530	565	—	—	—
H9KT	18	4-SDS¼x1½	5-SDS¼x1½	—	2812	875	875	680	125	—	755	755	680	125	—
H10	18	8-8dx1½	8-8dx1½	—	3135	905	990	585	525	—	780	850	505	450	—
H10R	18	8-8dx1½	8-8dx1½	—	3135	905	990	585	525	—	780	850	505	450	—
H10-2	18	6-10d	6-10d	—	2447	760	760	455	395	—	655	655	390	340	—
H11Z	18	6-16dx2½	6-16dx2½	—	5097	830	830	525	760	—	715	715	450	655	—


H10-2


H11Z

1. Loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed.
2. Allowable loads are for one anchor. A minimum rafter thickness of 2½" must be used when framing anchors are installed on each side of the joist and on the same side of the plate.
3. Allowable uplift load for stud to bottom plate installation is 400 lbs (H2.5); 390 lbs (H2.5A); 360 lbs (H4) and 310 lbs (H8).
4. The H9KT is sold in 20 piece packs with screws.
5. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such forces should be considered.
6. Hurricane Ties are shown installed on the outside of the wall for clarity. Installation on the inside of the wall is acceptable. For a Continuous Load Path, connections must be on same side of the wall.

Z2 clips secure 2x4 flat blocking between joists or trusses to support sheathing.

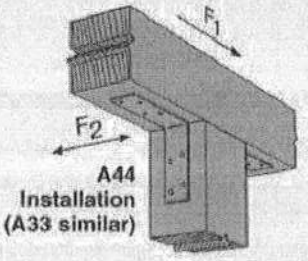
MATERIAL: Z clips–see table. A21 and A23–18 ga.; all other A angles–12 ga.

FINISH: Galvanized

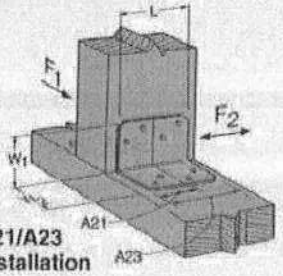
INSTALLATION: • Use all specified fasteners. See General Notes.
• Z clips do not provide lateral stability. Do not walk on stiffeners or apply load until diaphragm is installed and nailed to stiffeners.

CODES: BOCA, ICBO, SBCCI NER-421 (except A33, A44); City of L.A. RR 25076 (except A33, A44); Dade Co. FL 99-0623.04 (A21 and A23).

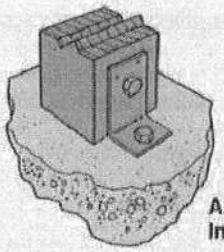
Model No.	Dimensions			Fasteners				Avg Ult F_2	Allowable Loads[2] DF/SP			
				Base		Post			(133)		(160)	
	W_1	W_2	L	Bolts	Nails	Bolts	Nails		F_1	F_2	F_1	F_2
A21	2	1½	1⅜	—	2-10dx1½	—	2-10dx1½	540	245	175	290	175
A23	2	1½	2¾	—	4-10dx1½	—	4-10dx1½	1767	485	485	585	565
A33	3	3	1½	—	4-10d	—	4-10d	2635	625	330	750	330
A44	4⅜	4⅜	1½	—	4-10d	—	4-10d	2490	625	295	750	295
A66	5⅛	5⅛	1½	2-⅜	—	2-⅜	—	N/A	N/A	N/A	N/A	N/A
A88	8	8	2	3-⅜	—	3-⅜	—	N/A	N/A	N/A	N/A	N/A
A24	3⅛	2	2½	1-½	—	1-½	2-10d	N/A	N/A	N/A	N/A	N/A
A311	11	3⅛	2	1-½	—	1-½	4-10d	N/A	N/A	N/A	N/A	N/A



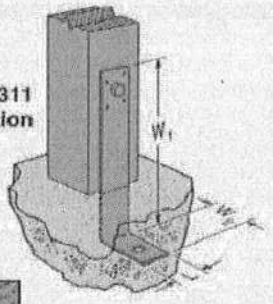
A44 Installation (A33 similar)



A21/A23 Installation



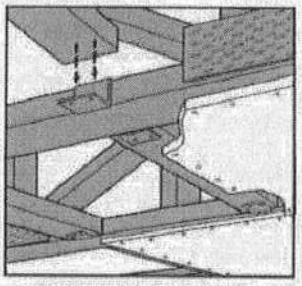
A24 Installation



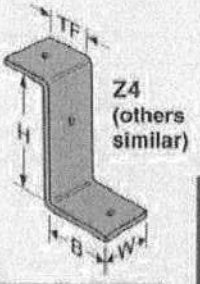
A311 Installation

Model No.	Ga	Dimensions				Fasteners[1] (Total)	Avg Ult	Allowable[2] Download (125)
		W	H	B	TF			
Z2	20	2⅜	1½	1⅜	1⅜	4-10dx1½	1507	465
Z4	12	1½	3⅜	2⅛	1¾	2-16d	1450	465
Z6	12	1½	5⅜	2	1⅜	2-16d	1517	485
Z28	28	2⅜	1½	1⅜	1⅜	10dx1½[3]	—	—
Z38	28	2⅜	2½	1⅜	1⅜	10dx1½[3]	—	—
Z44	12	2½	3½	2	1⅜	4-16d	2800	865

1. Z28 and Z38 do not have nail holes. Fastener quantities are as required.
2. Allowable loads have been increased 25% for roof loading (Z clips), 33% and 60% for earthquake or wind loading (A angles); no further increase allowed; reduce for other load durations according to the code.
3. Z4 and Z6 loads apply with a nail into the top and a nail into the seat.



Typical Z2 Installation



Z4 (others similar)

SP/SPH/RSP4 STUD PLATE TIES

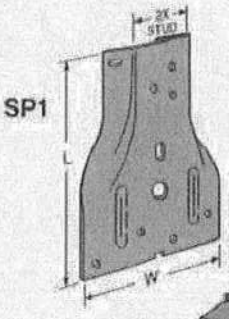
The RSP4 is a reversible stud plate tie with locating tabs, which aid placement on double top plates or a single bottom plate.

MATERIAL: SPH–18 gauge, all others–20 gauge **FINISH:** Galvanized

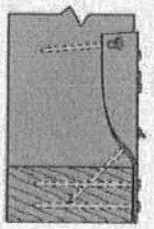
INSTALLATION: • Use all specified fasteners; see General Notes.
• SP–one of the 10d common stud nails is driven at a 45° angle through the stud into the plate.

CODES: BOCA, ICBO, SBCCI NER-432, NER-443, NER-499; SBCCI 9603A; City of LA RR 25318 (RSP4); Dade Co. FL 99-0623.04 (SP1, SP2, SP4, SP6, SP8).

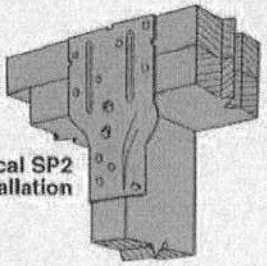
Model No.	Dimensions		Fasteners		Avg Ult	Allowable Uplift Loads DF/SP	
	W	L	Stud[1]	Plate		(133)[5]	(160)[5]
SP1	3½	5⅛	6-10d	4-10d	1950	585	585
SP2	3½	6⅝	6-10d	6-10d	3300	890	1065
SP3	4½	6⅝	6-10d	6-10d	3467	890	1065
SP4	3⅝	7¼	6-10dx1½	—	2917	735	885
SP5	4½	5⅛	6-10d	4-10d	1950	585	585
SP6	5⅛	7¼	6-10dx1½	—	2917	735	885
SP8	7⅝	8⅛	6-10dx1½	—	2917	735	885
SPH4	3⅝	8¾	10-10dx1½	—	3993	1240	1240
			12-10dx1½	—	4470	1360	1360
SPH6	5⅛	9¼	10-10dx1½	—	3993	1240	1240
			12-10dx1½	—	4470	1360	1360
SPH8	7⅝	8⅜	10-10dx1½	—	3993	1240	1240
			12-10dx1½	—	4470	1360	1360
RSP4 (1)	2⅛	4½	4-8dx1½	4-8dx1½	1032	315	315
RSP4 (2)	2⅛	4½	4-8dx1½	4-8dx1½	1445	450	450



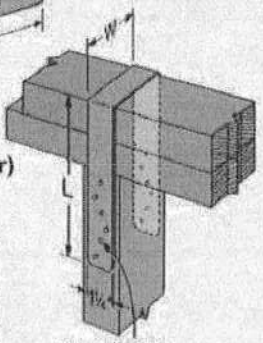
SP1



SP1 Nailing Profile

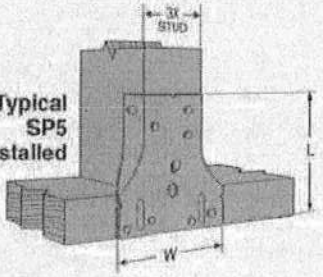


Typical SP2 Installation

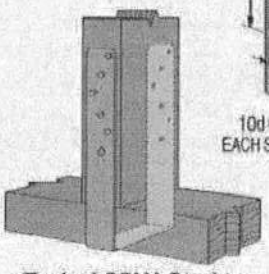


Typical SPH Installation (SP4, 6, 8 similar)

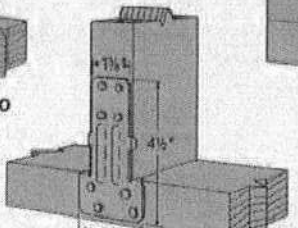
10d×1½" NAILS EACH SIDE OF STUD



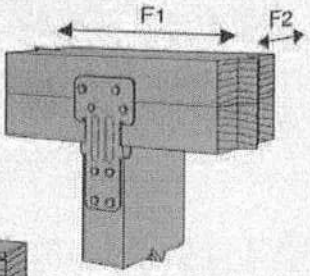
Typical SP5 Installed



Typical SPH4 Stud to Single Bottom Plate



(1) Typical RSP4 Stud to Single Bottom Plate



(2) Typical RSP4 Stud to Double Top Plate (see footnote 4)

1. SP1, 2, 3 and SP5: drive one stud nail at an angle through the stud into the plate to achieve the table load (see illustration).
2. Allowable loads have been increased 33% and 60% for earthquake or wind loading; no further increase allowed. Reduce by 33% and 60% for normal loading.
3. RSP4–see installation details (1) and (2) for reference.
4. RSP4 F2 is 280 lbs (installation 1) and 305 lbs (installation 2). F1 load is 210 lbs for both installations.
5. Maximum load for SPH in Southern Yellow Pine is 1490 lbs.
6. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement

RPS/ST/FHA/PS/HST/LSTA/LSTI/MST/MSTA/MSTC/MSTI

STRAP TIES

SIMPSON Strong-Tie CONNECTORS

The MSTC series has countersunk nail slots for a lower nailing profile. Coined edges ensure safer handling. The RPS meets UBC and City of Los Angeles code requirements for notching plates where plumbing, heating or other pipes are placed in partitions.

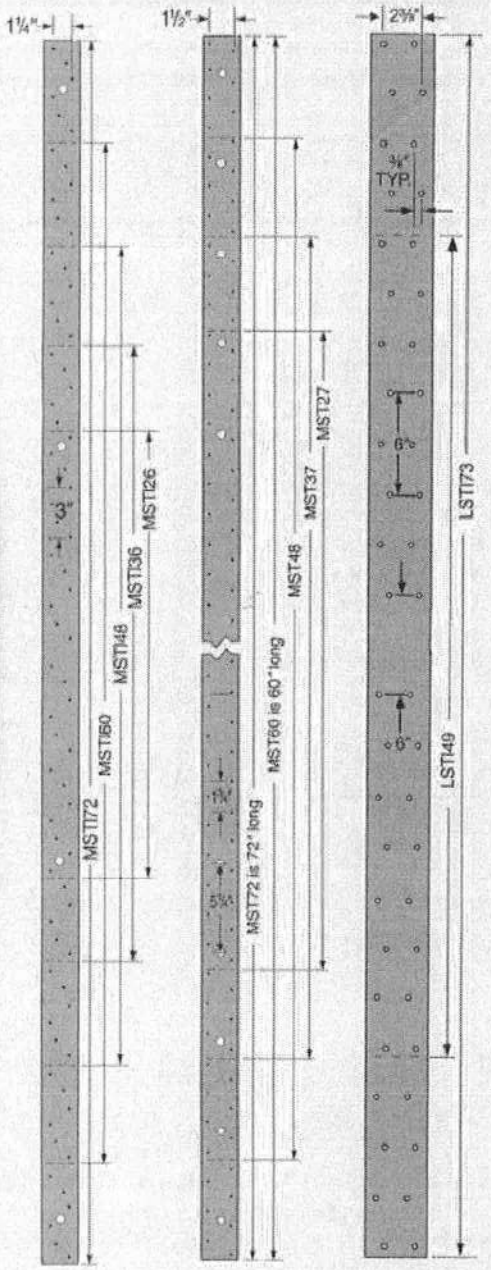
Install Strap Ties where plates or soles are cut, at wall intersections, and as ridge ties. LSTA and MSTA straps are engineered for use on 1½" members. The 3" center-to-center nail spacing reduces the possibility of splitting. For the MST, this may be a problem on lumber narrower than 3½"; either fill every nail hole with 10dx1½" nails or fill every other nail hole with 16d commons. Reduce the allowable load based on the size and quantity of fasteners used. The LSTI light strap ties are suitable where gun-nailing is necessary through diaphragm decking and wood chord open web trusses.

FINISH: HST--Simpson gray paint; PS--HDG; all others--galvanized. Some products are available in stainless steel or Z-MAX; see Corrosion-Resistance, page 5.

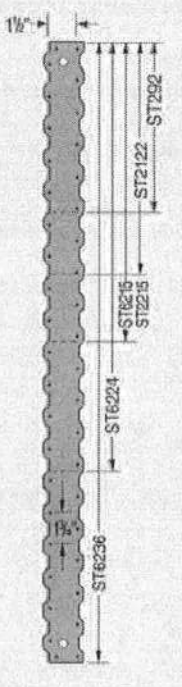
INSTALLATION: Use all specified fasteners. See General Notes.

OPTIONS: Special sizes can be made to order. See also HCST.

CODES: BOCA, ICBO, SBCCI NER-413, NER-443; ICBO 4935, 5357; Dade County, FL. 00-1023.05 (MSTA30, MSTA36, ST12, ST18, ST22); City of L.A. RR 25119, RR 25149, RR 25281.

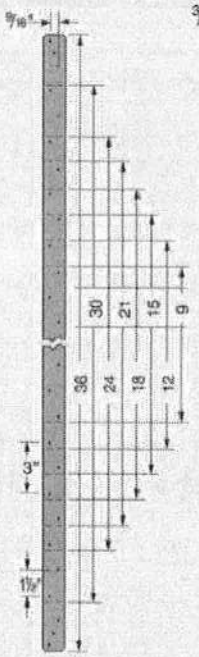


MSTI MST LSTI

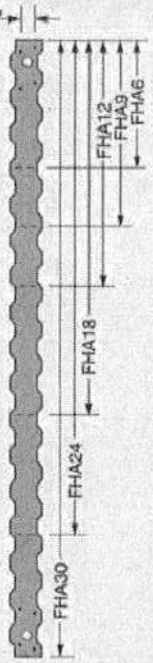


ST
U.S. Patent 4,367,973

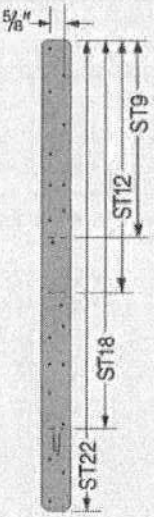
MSTAM36



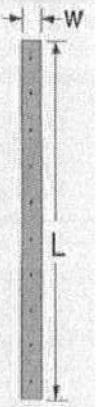
LSTA and MSTA
(pilot holes not shown)



FHA

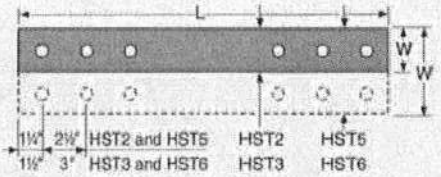


ST9, ST12, ST18, ST22

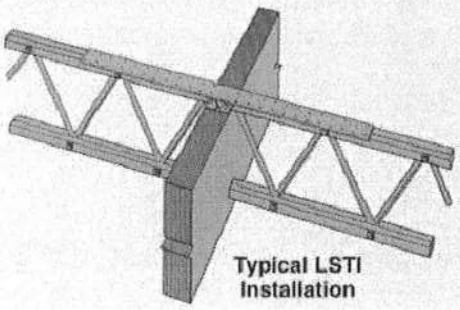


ST2115

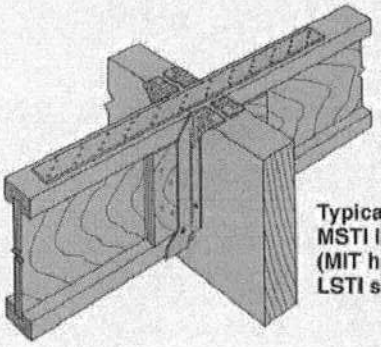
MSTC28



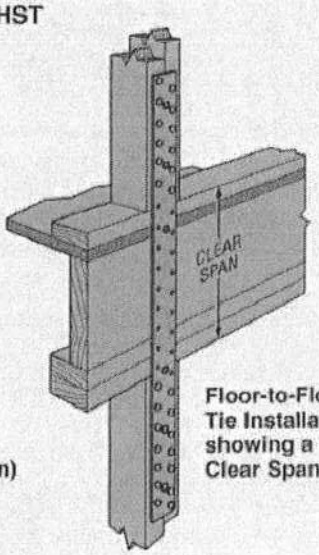
HST



Typical LSTI Installation



Typical MSTI Installation (MIT hanger shown) LSTI similar



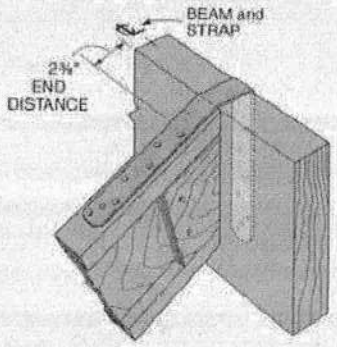
Floor-to-Floor Tie Installation showing a Clear Span

Straps & Ties

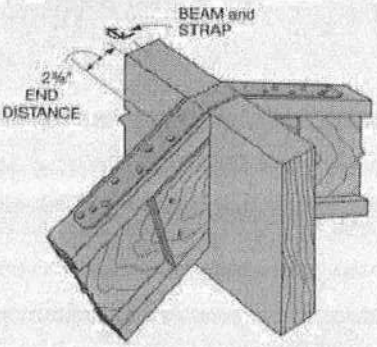
RPS/ST/FHA/PS/HST/LSTA/LSTI/MST/MSTA/MSTC/MSTI

STRAP TIES

Model No.	Ga	Dimensions W	Dimensions L	Fasteners (Total) Nails	Allowable Tension Loads Floor (100)	(133)	(160)
RPS18	16	1½	18⅜	12-16d	810	1080	1295
RPS22		1½	22⅜	16-10d	905	1205	1445
RPS28		1½	28⅜	12-16d	810	1080	1295
LSTA9	20	1¼	9	8-10d	450	605	725
LSTA12		1¼	12	10-10d	565	755	905
LSTA15		1¼	15	12-10d	680	905	1085
LSTA18		1¼	18	14-10d	790	1055	1265
LSTA21		1¼	21	16-10d	905	1205	1295
LSTA24		1¼	24	18-10d	1015	1295	1295
ST292		2⅛	9⅝	12-16d	790	1055	1130
ST2122		2⅛	12⅛	16-16d	1070	1425	1505
ST2115		¾	16⅝	10-16d	450	600	600
ST2215		2⅛	16⅝	20-16d	1270	1695	1695
LSTA30	18	1¼	30	22-10d	1255	1670	1715
LSTA36		1¼	36	26-10d	1480	1715	1715
LSTI49		3¼	49	32-10dx1½	1455	1940	2330
LSTI73		3¼	73	48-10dx1½	2185	2910	3495
MSTA9		1¼	9	8-10d	455	610	730
MSTA12		1¼	12	10-10d	570	760	910
MSTA15		1¼	15	12-10d	685	910	1095
MSTA18		1¼	18	14-10d	800	1065	1275
MSTA21		1¼	21	16-10d	910	1215	1460
MSTA24		1¼	24	18-10d	1025	1370	1640
MSTA30	16	1¼	30	22-10d	1265	1685	2025
MSTA36		1¼	36	26-10d	1495	1995	2135
ST6215		2⅛	16⅝	20-16d	1330	1775	2130
ST6224		2⅛	23⅝	28-16d	1890	2520	2630
ST9		1¼	9	8-16d	530	705	850
ST12		1¼	11⅝	10-16d	665	885	1065
ST18		1¼	17¾	14-16d	900	1200	1200
ST22		1¼	21⅝	18-16d	1025	1370	1370
MSTC28		3	28½	36-16d sinkers	2070	2760	3310
MSTC40		3	40¼	52-16d sinkers	2990	3985	4740
MSTC52		3	52⅛	62-16d sinkers	3555	4740	4740
MSTC66	14	3	65¼	76-16d sinkers	4390	5855	5855
MSTC78		3	77¼	76-16d sinkers	4390	5855	5855
ST6236		2⅛	33⅛	40-16d	2575	3430	3430
FHA6	12	1⅛	6⅜	8-16d	550	735	885
FHA9		1⅛	9	8-16d	550	735	885
FHA12		1⅛	11¾	8-16d	550	735	885
FHA18		1⅛	17¾	8-16d	550	735	885
FHA24		1⅛	23⅜	8-16d	550	735	885
FHA30		1⅛	30	8-16d	550	735	885
MSTI26		2⅛	26	26-10dx1½	1130	1510	1810
MSTI36		2⅛	36	36-10dx1½	1565	2090	2505
MSTI48		2⅛	48	48-10dx1½	2135	2850	3420
MSTI60		2⅛	60	60-10dx1½	2760	3680	4415
MSTI72		2⅛	72	72-10dx1½	3310	4415	4725



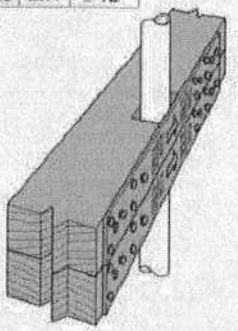
Typical LSTA Installation (hanger not shown)



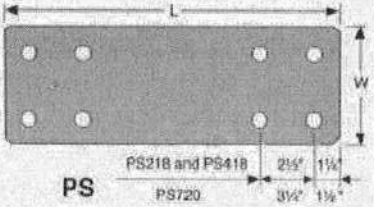
Typical LSTA Installation (hanger not shown)

Model No.	Plate	Notch Width
RPS18	2x4	≤ 5½"
RPS22	2x6	≤ 5½"
RPS28	2x4	≤ 12"

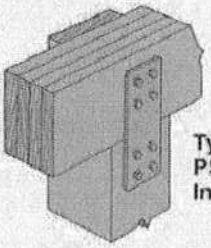
RPS



Typical RPS Installation



PS



Typical PS720 Installation

Model No.	Ga	Dimensions W	Dimensions L	Bolts Qty	Bolts Dia
PS218[4]	7	2	18	4	⅝
PS418[4]		4	18	4	⅝
PS720[4]		6¾	20	8	½

Floor-to-Floor Clear Span Table

Model No.	Clear Span	Fasteners (Total)	Allowable Tension Load (133)	(160)
MSTC28	18	12-16d sinker	920	1105
	16	16-16d sinker	1225	1470
MSTC40	18	28-16d sinker	2145	2575
	16	36-16d sinker	2455	2945
MSTC52	18	44-16d sinker	3375	4050
	16	48-16d sinker	3680	4415
MSTC66	18	64-16d sinker	5035	5855
	16	68-16d sinker	5350	5855
MSTC78	18	80-16d sinker	5855	5855
	16	80-16d sinker	5855	5855
MST37	18	20-16d	1905	2285
	16	22-16d	2100	2515
MST48	18	32-16d	3135	3765
	16	34-16d	3330	4000
MST60	18	46-16d	4785	5740
	16	48-16d	4990	5800
MST72	18	56-16d	5800	5800
	16	56-16d	5800	5800
MSTI36	18	14-10dx1½	810	975
	16	16-10dx1½	930	1115
MSTI48	18	26-10dx1½	1545	1855
	16	28-10dx1½	1660	1990
MSTI60	18	38-10dx1½	2330	2800
	16	40-10dx1½	2455	2945
MSTI72	18	50-10dx1½	3065	3680
	16	52-10dx1½	3190	3830

Model No.	Ga	Dimensions W	Dimensions L	Fasteners (Total) Nails	Bolts Qty	Bolts Dia	Allowable Tension Loads Nails Floor (100)	Nails (133)	Nails (160)	Bolts[5] Floor (100)	Bolts[5] (133)	Bolts[5] (160)
MST27	12	2⅛	27	30-16d	4	⅞	2070	2760	2790	1295	1725	2070
MST37		2⅛	37½	42-16d	6	⅞	2860	3815	3815	1825	2435	2920
MST48		2⅛	48	46-16d	8	⅞	3345	4460	4460	2225	2970	3560
MST60	10	2⅛	60	56-16d	10	1	4350	5800	5800	2670	3565	4275
MST72		2⅛	72	56-16d	10	1	4350	5800	5800	2670	3565	4275
HST2	7	2½	21¼	—	6	⅝	—	—	—	3130	4175	5005
HST5		5	21¼	—	12	⅝	—	—	—	6385	8510	10210
HST3	3	3	25½	—	6	¾	—	—	—	4645	6195	7435
HST6		6	25½	—	12	¾	—	—	—	9350	12465	14955

1. Loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed. Floor loads may not be increased for other load durations.
2. 10dx1½" nails may be substituted where 16d sinkers are specified at 0.80 of the table loads.
3. 10d commons may be substituted where 16d sinkers are specified at 100% of table loads.
4. 16d sinkers (9 gauge x 3¼") or 10d commons may be substituted where 16d commons are specified at 0.84 of the table loads.
5. Allowable bolt loads are based on parallel-to-grain loading and these minimum member thicknesses: MST–2½"; HST2 and HST5–4", HST3 and HST6–4½".
6. PS strap design loads must be determined by the building designer for each installation. Bolts are installed both perpendicular and parallel-to-grain.
7. Use half of the nails at each member being connected to achieve the listed loads.

PB POST BASES

Locking prongs inserts into concrete. The one-piece design assures maximum strength.

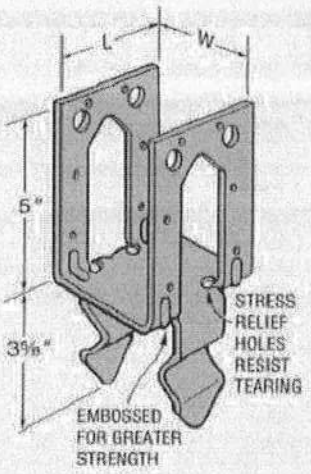
MATERIAL: 12 gauge. **FINISH**: Galvanized

INSTALLATION: • Use all specified fasteners. See General Notes.
- Holes are provided for installation with either 16d commons or ½" bolts for PB66 and PB66R; all other models use 16d commons only.
- A 2" minimum sidecover is required to obtain the full load.
- Not recommended for non-top-supported installations such as fences.

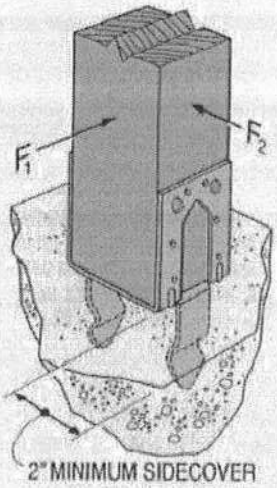
CODES: BOCA, ICBO, SBCCI NER-443; City of LA RR 25149; **Dade Co. 00-0512.11 (PB44).**

Model No.	Dimensions W	Dimensions L	Uplift Avg Ult	Allowable Loads 12-16d Nails (133 & 160) Uplift	F_1	F_2	Allowable Loads 2-½MB Uplift (133 & 160)
PB44	3⅜	3¼	4267	1365	765	1325	—
PB44R	4	3¼	4267	1365	765	1325	—
PB46	5½	3¼	4267	1365	765	1325	—
PB46R	6	3¼	4267	1365	765	1325	—
PB66	5½	5¼	5143	1640	765	1325	1640
PB66R	6	5¼	5143	1640	765	1325	1640

1. Allowable loads have been increased 33% and 60% for earthquake or wind loading, with no further increase allowed.



PB



Typical PB Installation

AC/LPC/LCE POST CAPS

The LCE4's universal design provides high capacity while eliminating the need for rights and lefts.

The AC MAX design allows for higher load capacity to match comparable post bases.

LPC—Adjustable design allows greater connection versatility.

MATERIAL: LCE4—20 ga; AC, ACE, LPC4—18 ga; LPC6—16 ga

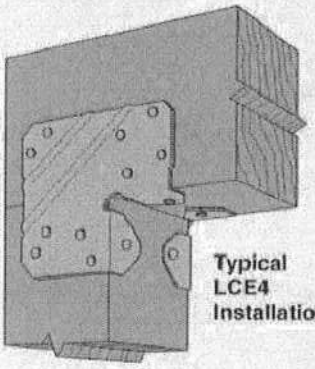
FINISH: Galvanized. Some products available with Z-MAX; see Corrosion-Resistance, page 5.

INSTALLATION: • Use all specified fasteners. See General Notes.
- Install all models in pairs. LPC—2½" beams may be used if 10dx1½" nails are substituted for 10d commons.

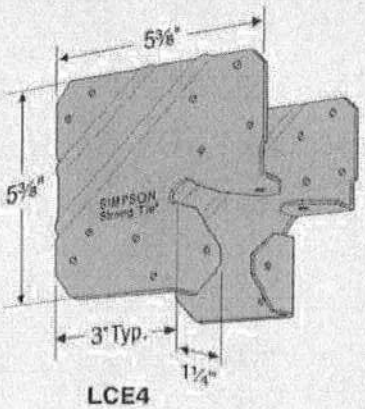
CODES: BOCA, ICBO, SBCCI NER-421, NER-443, NER-469; City of L.A. RR 25076; Dade County, FL 99-0623.04 (LPC) and Dade County, FL 99-0713.05 (AC, ACE).

Model No.	Dimensions W	Dimensions L	Total No. Fasteners Beam	Total No. Fasteners Post	Uplift Avg Ult	Allowable Loads (133 & 160)[1] Uplift	Allowable Loads (133 & 160)[1] Lateral
AC4 MIN	3⅜	6½	12-16d	8-16d	4467	1430	715
AC4 MAX	3⅜	6½	14-16d	14-16d	10000	2500	1070
AC4R MIN	4	7	12-16d	8-16d	4467	1430	715
AC4R MAX	4	7	14-16d	14-16d	10000	2500	1070
ACE4 MIN	—	4½	8-16d	6-16d	4215	1070	715
ACE4 MAX	—	4½	10-16d	10-16d	6238	1785	1070
AC6 MIN	5½	8½	12-16d	8-16d	4467	1430	715
AC6 MAX	5½	8½	14-16d	14-16d	10000	2500	1070
AC6R MIN	6	9	12-16d	8-16d	4467	1430	715
AC6R MAX	6	9	14-16d	14-16d	10000	2500	1070
ACE6 MIN	—	6½	8-16d	6-16d	4537	1070	715
ACE6 MAX	—	6½	10-16d	10-16d	6432	1785	1070
LPC4	3⅜	3½	8-10d	8-10d	2333	760	325
LPC6	5⅜	5½	8-10d	8-10d	2817	915	490
LCE4	—	5⅜	14-16d	10-16d	5518	1800	1425

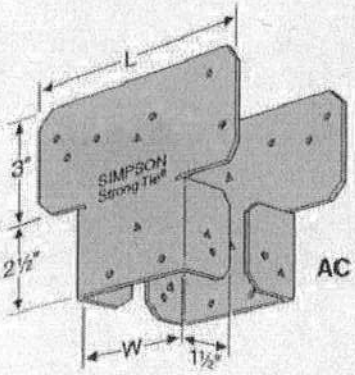
1. Allowable loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed; reduce for other load durations according to the code.
2. Loads apply only when used in pairs.
3. LPC lateral load is in the direction of the beam's axis.
4. MIN nailing quantity and load values – fill all round holes; MAX nailing quantities and load values – fill round and triangle holes.



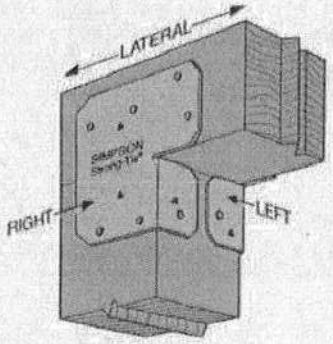
Typical LCE4 Installation



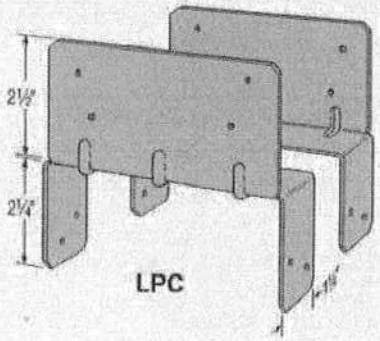
LCE4



AC



Typical ACE Installation



LPC

AB/ABA/ABE/ABU/PBS ADJUSTABLE AND STANDOFF POST BASES

SIMPSON Strong-Tie

The AB is a fully-adjustable post base which offers moisture protection and finished hardware appearance.

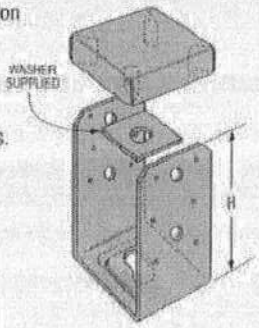
Post Bases provide tested capacity. They feature 1" standoff height above concrete floors, code-required when supporting permanent structures that are exposed to the weather or water splash, or in basements. They reduce the potential for decay at post and column ends.

MATERIAL: AB—12 ga plates; 16 ga base cover; all others—see table.

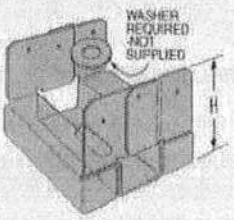
FINISH: Galvanized. Some products available in Z-MAX; see Corrosion-Resistance, page 5.

INSTALLATION:
- Use all specified fasteners.See General Notes.
- Not recommended for non-top-supported installations such as fences.
- PBS embed into wet concrete up to the bottom of the 1" standoff base plate. A 2" minimum side cover is required to obtain the full load for PBS. Holes in the bottom of the PBS straps allow for free concrete flow.
- AB—Post nail holes are sized for 10d commons. Rectangular adjustment plate assumes ½" dia anchorage. Supplied as shown; position the post, secure the easy-access nut, then bend up the fourth side.
- AB, ABA, ABE and ABU—for pre-pour installed anchors. For epoxy or wedge anchors, select and install according to anchor manufacturer's recommendations; anchor diameter shown in table. Install required washer, which is not included for ABAs.
- See Simpson Anchor Systems for tested, load-rated anchors.

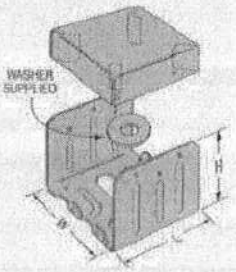
CODES: BOCA, ICBO, SBCCI NER-393, NER-422, NER-432, NER-469, NER-499; ICBO 5670; City of L.A. RR 24818, RR 25064, 25074, 25158; Dade Co FL. 99-0713.05 (ABA, ABE), 00-0512.11 (ABU).



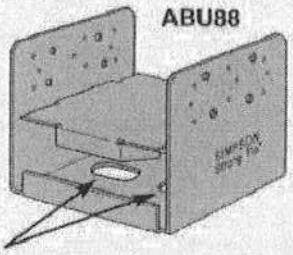
ABU44 (other sizes similar)



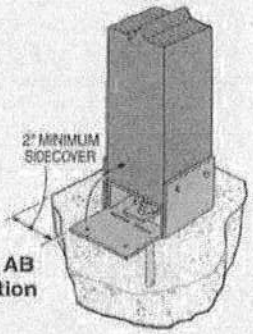
ABA44 (other sizes similar)
U.S. Patent 5,333,435



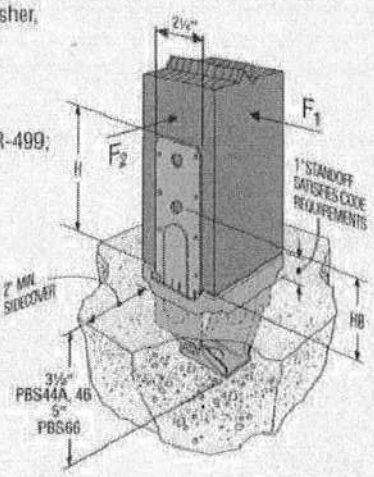
ABE44
ABE46,46R,66 and 66R supplied with rectangular washer.



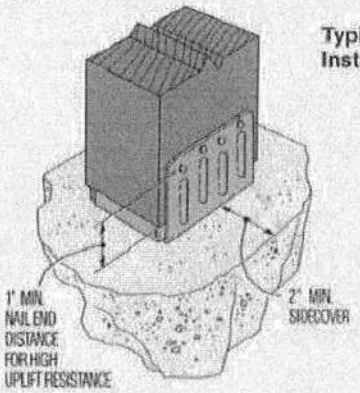
ABU88
2 load transfer plates supplied



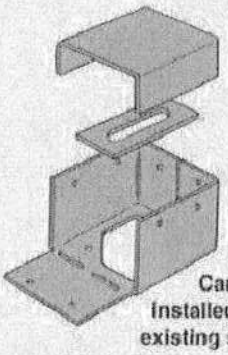
Typical AB Installation



Typical PBS44A Installation



Typical ABE46R Installation for rough lumber (ABE similar)



AB
Can be installed on existing slab

Model No.	Dimensions W	Dimensions L	Allowable Downloads (100)
AB44	3⅜	3⅜	4065
AB44R	4	4⅛	4065
AB46	3⅜	5⅛	4165
AB46R	4	6	4165
AB66	5⅛	5⅜	5335
AB66R	6	6	5335

1. Loads may not be increased for short-term loading.

Model No.	Nominal Post Size	Material Base (Ga)	Material Strap (Ga)	Dimensions W	L	H	HB	Fasteners Anch. Dia	Post Nails	Post Bolts Qty	Post Bolts Dia	Uplift Avg Ult	Allowable Loads Uplift (133) Nails	Uplift (133) Bolts	Uplift (160) Nails	Uplift (160) Bolts	F_1 (133 & 160) Nails	F_1 (133 & 160) Bolts	F_2 (133 & 160) Nails	F_2 (133 & 160) Bolts	Down (100)
ABA44	4x4	16	16	3⅜	3⅛	3⅛	—	½	6-10d	—	—	2120	555	—	555	—	—	—	—	—	6000
ABE44	4x4	16	16	3⅜	3½	2¾	—	½	6-10d	—	—	1893	520	—	520	—	—	—	—	—	6665
ABU44	4x4	16	12	3⅜	3	5⅛	1¼	⅝	12-16d	2	½	7833	2200	1800	2200	2160	—	—	—	—	6665
PBS44A	4x4	12	14	3⅜	2¼	6¼	3⅜	—	14-16d	2	½	7733	2400	2400	2400	2400	1165	230	885	885	6665
ABA44R	RGH 4x4	16	16	4⅛	3⅛	2 13/16	—	½	6-10d	—	—	2120	555	—	555	—	—	—	—	—	8000
ABE44R	RGH 4x4	16	16	4	3½	2⅝	—	½	6-10d	—	—	1893	400	—	400	—	—	—	—	—	6665
ABE46	4x6	12	16	3⅜	5⅞	4⅛	—	⅝	8-16d	—	—	5167	810	—	810	—	—	—	—	—	7335
PBS46	4x6	12	14	3⅜	2¼	6⅜	3⅜	—	14-16d	2	½	7733	2400	2400	2400	2400	1165	360	885	885	9335
ABA46	4x6	14	14	3⅜	5⅞	3⅛	—	⅝	8-16d	—	—	2967	700	—	700	—	—	—	—	—	9435
ABU46	4x6	12	12	3⅜	5	7	2⅜	⅝	12-16d	2	½	8633	2255	2300	2300	2300	—	—	—	—	10335
ABE46R	RGH 4x6	12	16	4⅛	5⅛	3⅛	—	⅝	8-16d	—	—	5167	810	—	810	—	—	—	—	—	7335
ABA46R	RGH 4x6	14	14	4⅛	5⅞	2⅞	—	⅝	8-16d	—	—	2967	935	—	935	—	—	—	—	—	12000
PBS66	6x6	12	12	5⅛	2¼	6½	3⅛	—	14-16d	2	½	13100	2630	3560	3160	4000	1865	570	1700	1700	9335
ABA66	6x6	14	14	5⅛	5¼	3⅛	—	⅜	8-16d	—	—	3050	720	—	720	—	—	—	—	—	10665
ABE66	6x6	12	14	5½	5⅛	3⅛	—	⅜	8-16d	—	—	4833	900	—	900	—	—	—	—	—	12000
ABU66	6x6	12	10	5½	5	6⅛	1¼	⅜	12-16d	2	½	8900	2300	2300	2300	2300	—	—	—	—	12000
ABA66R	RGH 6x6	14	14	6	5⅞	2⅞	—	⅜	8-16d	—	—	3050	985	—	985	—	—	—	—	—	12665
ABE66R	RGH 6x6	12	14	6⅛	5⅛	2⅞	—	⅜	8-16d	—	—	4833	900	—	900	—	—	—	—	—	12000
ABU88[4]	8x8	12	14	7½	7	7	—	2-⅝	18-16d	—	—	12893	2320	—	2320	—	—	—	—	—	24335
ABU88R[4]	RGH 8x8	12	14	8	7	7	—	2-⅝	18-16d	—	—	12893	2320	—	2320	—	—	—	—	—	24335

1. Uplift and lateral loads have been increased 33% and 60% for earthquake or wind loading; no further increase allowed. Reduce by 33% and 60% for normal loading.
2. Downloads may not be increased for short-term loading.
3. Specifier to design concrete for shear capacity.
4. ABU88 and ABU88R may be installed with 8-SDS¼X3 wood screws for the same table load.

Caps & Bases

Important Notice: If visually graded lumber is used for the trusses covered by these designs, see "SPIB Important Notice, Dated July 28, 2010" (reprinted at www.mii.com) before use. MiTek does not warrant third-party lumber design values.

RE: HAYGOOD-ONEAL -

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:
Customer Info: ONEAL Project Name: ONEAL Model:
Lot/Block: . Subdivision: .
Address: .
City: . State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2007 Design Program: OnLine Plus 28.0.006
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 12 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T3999622	A1	2/15/011
2	T3999623	A2	2/15/011
3	T3999624	A4	2/15/011
4	T3999625	A3GE	2/15/011
5	T3999626	B1	2/15/011
6	T3999627	B2GE	2/15/011
7	T3999628	C1	2/15/011
8	T3999629	C2GE	2/15/011
9	T3999630	D1	2/15/011
10	T3999631	D2GE	2/15/011
11	T3999632	P1	2/15/011
12	T3999633	P2GE	2/15/011

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2013.

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

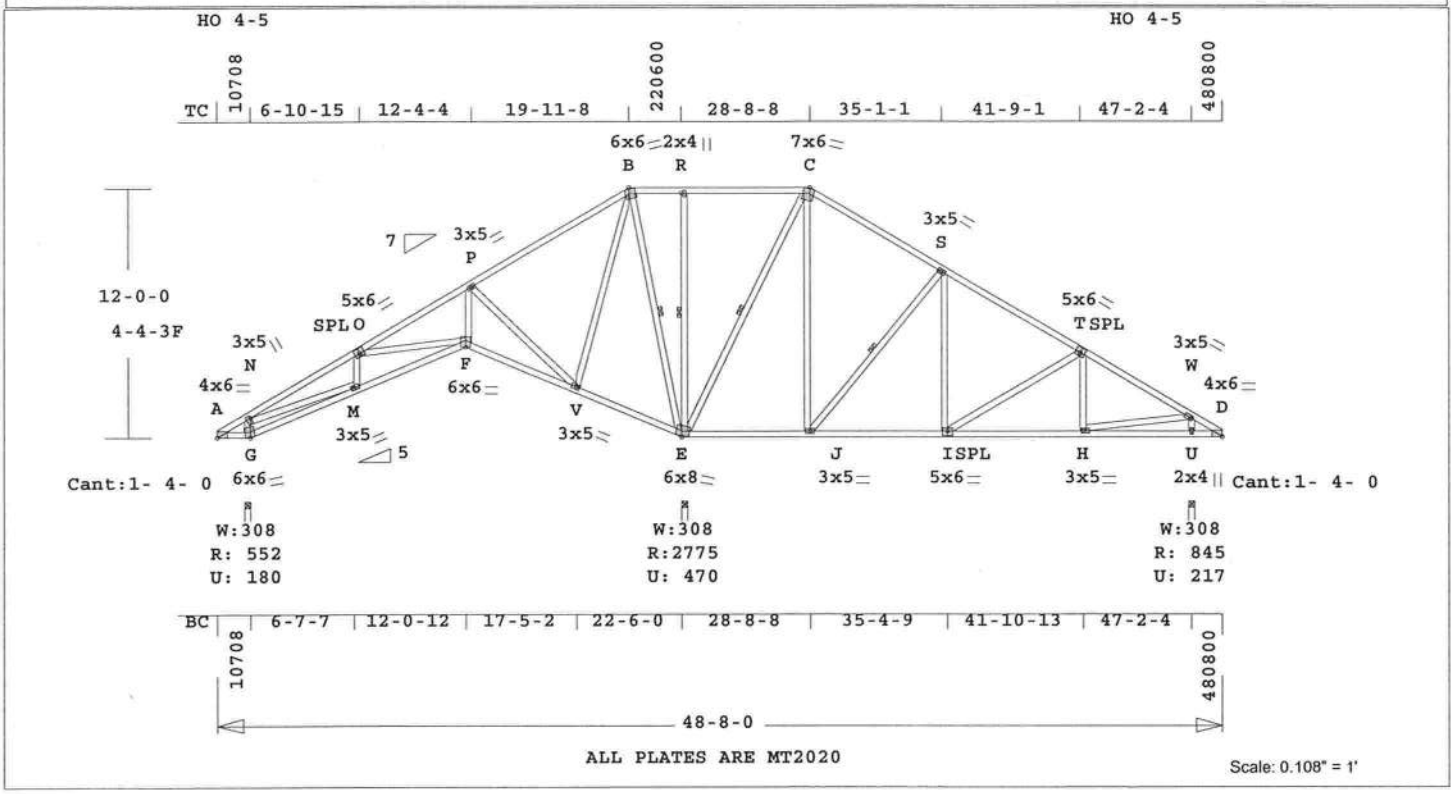
FL Cert. 6634

February 15,2011

Albani, Thomas 1 of 1

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	*A1*	10	SP	480800	7	0	0	*T3999622*

ONEAL



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 415.3 LBS

Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

	CSI	-Size-	----Lumber----
TC	0.58	2x 4	SP-#2
BC	0.49	2x 4	SP-#2
WB	0.97	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	19-11- 8
TC	24.0"	19-11- 8	28- 8- 8
TC	Cont.	28- 8- 8	48- 8- 0
BC	Cont.	0- 0- 0	48- 8- 0

One Continuous Lateral Brace
B -E E -R E -C J -S
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
G	553	180 U	311 R
E	2776	470 U	
U	845	217 U	311 R

Jt	Brg Size	Required
G	3.5"	1.5"
E	3.5"	3.0"
U	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -N	0.25	81 T	0.01 0.24
N -O	0.24	664 C	0.00 0.24
O -P	0.52	61 C	0.00 0.52
P -B	0.58	520 T	0.06 0.52
B -R	0.41	725 T	0.12 0.29
R -C	0.41	724 T	0.12 0.29
C -S	0.43	303 T	0.00 0.43
S -T	0.43	471 C	0.00 0.43
T -W	0.32	823 C	0.00 0.32
W -D	0.18	86 C	0.00 0.18
Bottom Chords			
A -G	0.09	50 T	0.00 0.09
G -M	0.13	357 T	0.00 0.13
M -F	0.22	622 T	0.10 0.12
F -V	0.14	277 T	0.00 0.14
V -E	0.49	688 C	0.00 0.49
E -J	0.40	346 C	0.00 0.40
J -I	0.46	410 T	0.06 0.40
I -H	0.32	717 T	0.12 0.20
H -U	0.19	357 T	0.00 0.19
U -D	0.10	92 T	0.01 0.09
Webs			
G -N	0.05	536 C	
N -M	0.11	598 T	
M -O	0.01	119 T	
O -F	0.26	573 C	
F -P	0.06	374 T	
P -V	0.56	690 C	
V -B	0.05	336 T	
B -E	0.47	846 C	1 Br
E -R	0.16	294 C	1 Br
E -C	0.97	1432 C	1 Br
J -C	0.58	886 T	
J -S	0.30	726 C	1 Br
I -S	0.07	415 T	
I -T	0.36	407 C	
H -T	0.02	174 T	
H -W	0.12	657 T	
U -W	0.07	749 C	

TL Defl	-0.16" in E -J	L/999	
LL Defl	-0.09" in E -J	L/999	
LL Cant	0.00" in A -G	L/999	
Hz Disp	LL	DL	TL
	Jt U 0.03"	0.04"	0.07"
Shear // Grain	in P -B	0.28	

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.36
N	MT20	3.0x 5.0	0.9-0.3		0.53
O	MT20	5.0x 6.0-0.3	0.5		0.45
P	MT20	3.0x 5.0 Ctr	Ctr		0.36
B	MT20	6.0x 6.0	1.0-3.7		0.52
R	MT20	2.0x 4.0 Ctr	Ctr		0.34
C	MT20	7.0x 6.0-1.1-4.2			0.65
S	MT20	3.0x 5.0 Ctr	Ctr		0.36
T	MT20	5.0x 6.0	0.3	0.5	0.45
W	MT20	3.0x 5.0 Ctr	Ctr		0.36
D	MT20	4.0x 6.0-0.2	0.1		0.36
G	MT20	6.0x 6.0-0.7	3.5		0.33
M	MT20	3.0x 5.0-0.9-0.3			0.42
F	MT20	6.0x 6.0 Ctr-0.8			0.44
V	MT20	3.0x 5.0-0.5	0.2		0.41
E	MT20	6.0x 8.0	0.7	3.7	0.58
J	MT20	3.0x 5.0 Ctr	Ctr		0.62
I	MT20	5.0x 6.0 Ctr-0.5			0.39
H	MT20	3.0x 5.0 1.2	0.1		0.47
U	MT20	2.0x 4.0 Ctr	Ctr		0.35

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

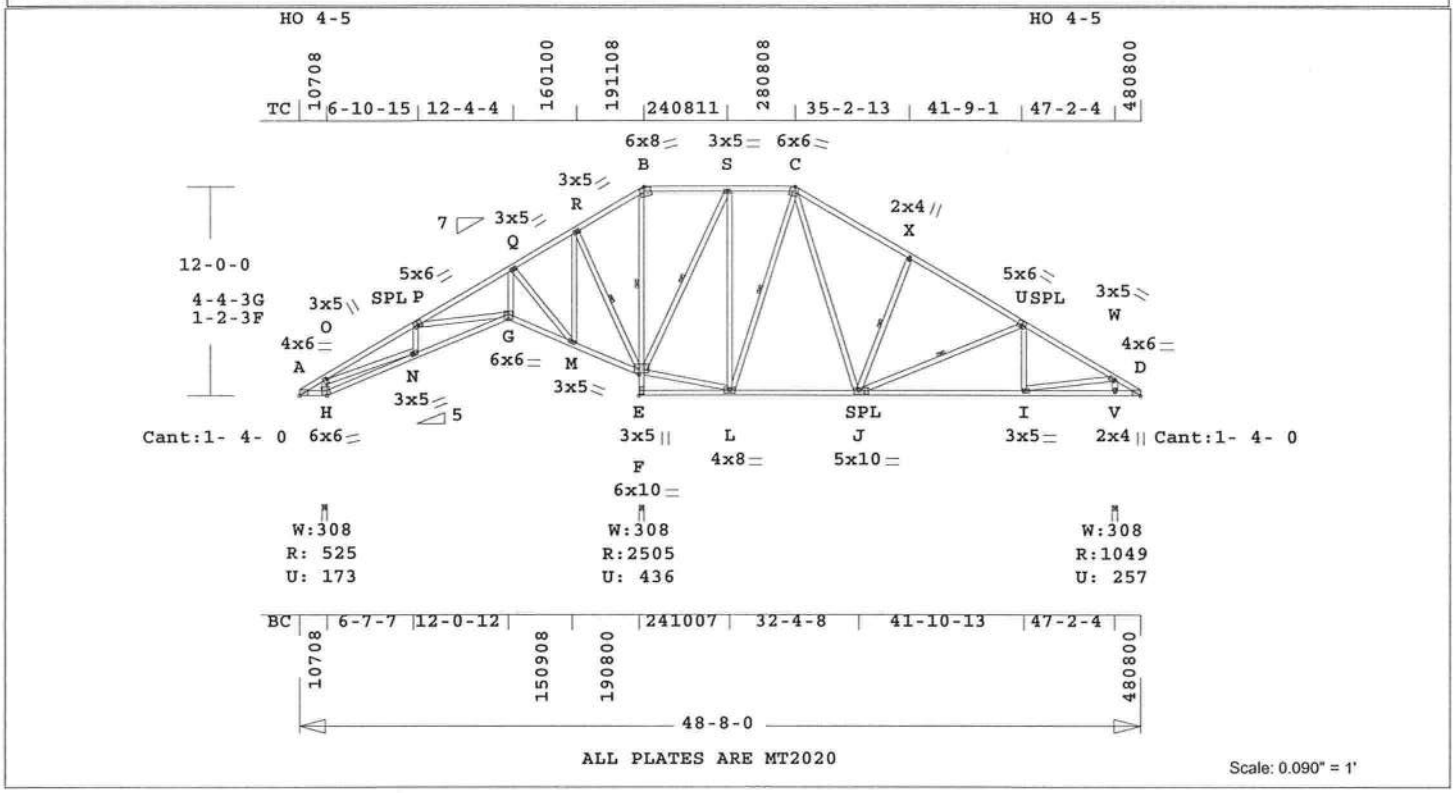
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1432 Lbs
Max tens. force 886 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	A2	8	SP	480800	7	0	0	T3999623

ONEAL



ALL PLATES ARE MT2020

Scale: 0.090" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 438.8 LBS

Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

	CSI	-Size-	----Lumber----
TC	0.43	2x 4	SP-#2
BC	0.58	2x 4	SP-#2
CW	0.22	2x 4	SP-#2
WB	0.83	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	19-11- 8
TC	24.0"	19-11- 8	28- 8- 8
TC	Cont.	28- 8- 8	48- 8- 0
BC	Cont.	0- 0- 0	48- 8- 0

One Continuous Lateral Brace
R -F F -S L -C J -X
J -U F -B
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
H	525	173 U	311 R
E	2506	437 U	
V	1050	258 U	311 R

Jt	Brg Size	Required
H	3.5"	1.5"
E	3.5"	2.7"
V	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -O	0.22	90 T	0.01 0.21
O -P	0.25	603 C	0.00 0.25
P -Q	0.25	134 T	0.00 0.25
Q -R	0.27	452 T	0.06 0.21
R -B	0.25	674 T	0.12 0.13
B -S	0.36	580 T	0.09 0.27
S -C	0.27	352 T	0.00 0.27
C -X	0.43	610 C	0.00 0.43
X -U	0.43	749 C	0.00 0.43
U -W	0.31	1148 C	0.00 0.31
W -D	0.19	82 C	0.00 0.19
--------Bottom Chords---------			
A -H	0.09	56 T	0.00 0.09
H -N	0.13	350 T	0.00 0.13
N -G	0.19	574 T	0.09 0.10
G -M	0.08	372 T	0.00 0.08
M -F	0.08	559 C	0.00 0.08
E -L	0.31	50 C	0.00 0.31
L -J	0.46	279 T	0.02 0.44
J -I	0.58	997 T	0.16 0.42
I -V	0.38	350 T	0.00 0.38
V -D	0.08	91 T	0.01 0.07
----------Chord-Webs----------			
E -F	0.22	2488 C	0.22 0.00
F -B	0.07	589 C	0.06 0.01
-------------Webs-------------			
H -O	0.05	496 C	
O -N	0.10	564 T	
N -P	0.02	134 T	
P -G	0.32	705 C	
G -Q	0.04	296 T	
Q -M	0.20	418 C	
M -R	0.05	311 T	
R -F	0.14	429 C	1 Br
F -S	0.76	1423 C	1 Br
F -L	0.10	267 C	
L -S	0.58	956 T	
L -C	0.46	772 C	1 Br
C -J	0.83	809 T	
J -X	0.12	418 C	1 Br
J -U	0.17	428 C	1 Br
I -U	0.03	214 T	
I -W	0.17	944 T	
V -W	0.09	971 C	

TL Defl -0.36" in J -I L/900
LL Defl -0.16" in J -I L/999
LL Cant 0.00" in A -H L/999
Hz Disp LL DL TL
Jt V 0.02" 0.02" 0.04"
Shear // Grain in B -S 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	0.2	0.1	0.36
O	MT20	3.0x 5.0	0.9	-0.3	0.50
P	MT20	5.0x 6.0	-0.3	0.5	0.45
Q	MT20	3.0x 5.0	Ctr	Ctr	0.36
R	MT20	3.0x 5.0	Ctr	Ctr	0.38
B	MT20	6.0x 8.0	1.1	-3.9	0.44
S	MT20	3.0x 5.0	Ctr	Ctr	0.67
C	MT20	6.0x 6.0	-1.0	-3.7	0.51
X	MT20	2.0x 4.0	Ctr	Ctr	0.29
U	MT20	5.0x 6.0	0.3	0.5	0.45
W	MT20	3.0x 5.0	Ctr	Ctr	0.50
D	MT20	4.0x 6.0	-0.2	0.1	0.36
H	MT20	6.0x 6.0	-0.7	3.5	0.33
N	MT20	3.0x 5.0	-0.9	-0.3	0.40
G	MT20	6.0x 6.0	Ctr	-0.8	0.44
M	MT20	3.0x 5.0	Ctr	Ctr	0.31
F	MT20	6.0x10.0	Ctr	2.5	0.51
E	MT20	3.0x 5.0	Ctr	Ctr	0.93
L	MT20	4.0x 8.0	Ctr	Ctr	0.36
J	MT20	5.0x10.0	-2.0	-0.5	0.50
I	MT20	3.0x 5.0	1.2	0.1	0.68
V	MT20	2.0x 4.0	Ctr	Ctr	0.40

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

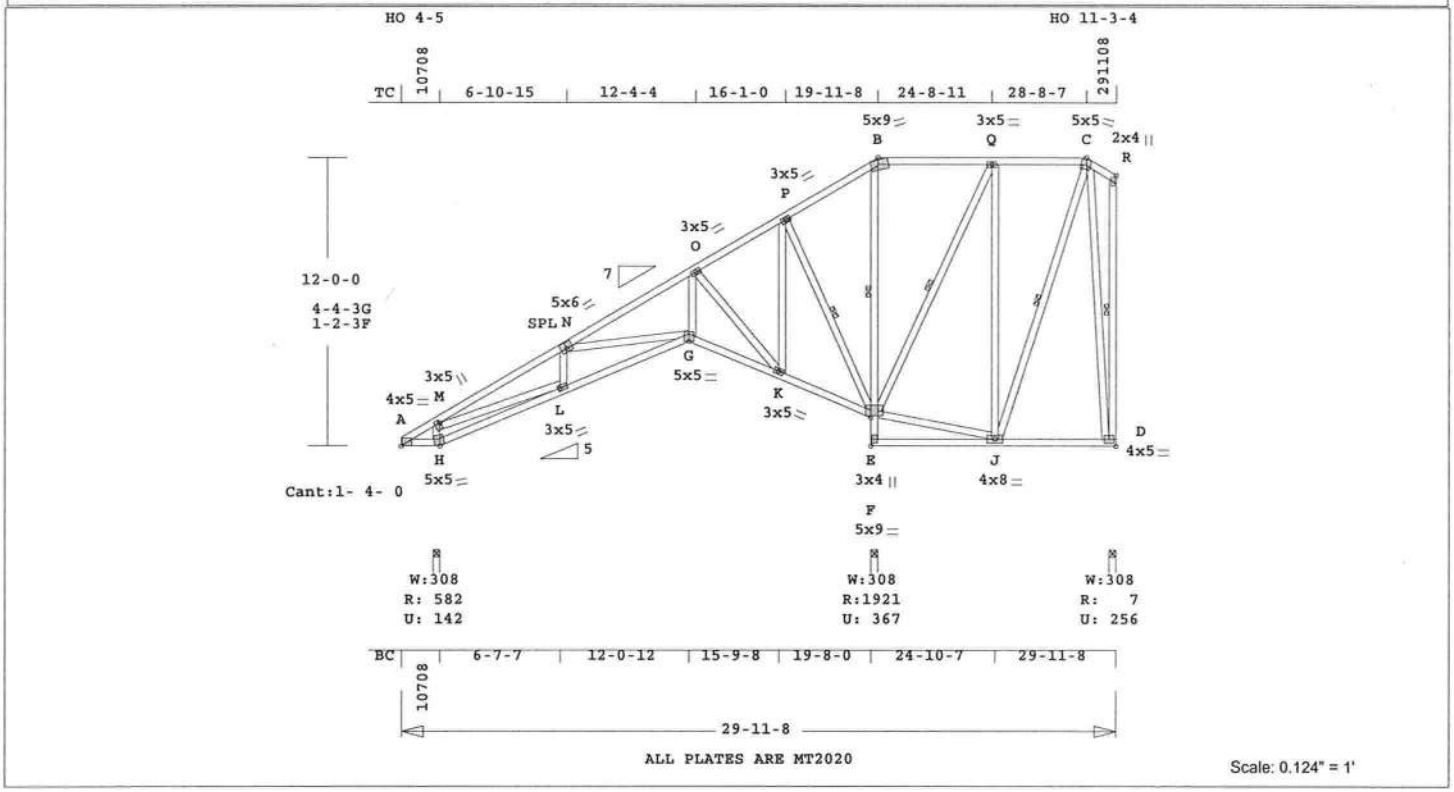
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2488 Lbs
Max tens. force 997 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	*A4*	1	SP	291108	7	0	0	*T3999624*

ONEAL

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Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

     CSI -Size- ----Lumber----
TC  0.33  2x 4  SP-#2
BC  0.24  2x 4  SP-#2
CW  0.17  2x 4  SP-#2
WB  0.67  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 19-11- 8
 TC   24.0"   19-11- 8 28- 8- 7
 TC  Cont.    28- 8- 7 29-11- 8
 BC  Cont.     0- 0- 0 29-11- 8
One Continuous Lateral Brace
  P -F   F -Q   J -C   D -R
  F -B
Attach CLB with (2)-10d nails
  at each web.

psf-Ld  Dead  Live
TC      10.0  20.0
BC      10.0   0.0
TC+BC   20.0  20.0
Total   40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.15  Fc=1.10  Ft=1.10
BC Fb=1.10  Fc=1.10  Ft=1.10

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
H    582   143 U   238 R
E   1922   368 U
D      7   256 U   483 R

Jt   Brg Size   Required
H       3.5"       1.5"
E       3.5"       2.0"
D       3.5"       1.5"

Plus  9 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 BC LL Load Case(s)
Plus  1 DL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -M  0.21   142 C  0.00  0.21
M -N  0.26   937 C  0.05  0.21
N -O  0.25   210 C  0.00  0.25
O -P  0.24   269 T  0.03  0.21
P -B  0.21   534 T  0.09  0.12
B -Q  0.33   461 T  0.07  0.26
Q -C  0.27   261 T  0.01  0.26
C -R  0.04   302 T  0.00  0.04
--------Bottom Chords---------
A -H  0.15   142 T  0.02  0.13
H -L  0.16   315 T  0.01  0.15
L -G  0.24   880 T  0.15  0.09
G -K  0.09   274 T  0.01  0.08
K -F  0.08   405 C  0.00  0.08
```

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 329.9 LBS

```
E -J  0.18    45 C  0.00  0.18
J -D  0.21   346 T  0.00  0.21
----------Chord-Webs----------
E -F  0.17  1890 C  0.17  0.00
F -B  0.05   519 C  0.05  0.00
------------Webs-------------
H -M  0.05   511 C
M -L  0.13   711 T
L -N  0.02   132 T
N -G  0.31   693 C
G -O  0.07   431 T
O -K  0.30   617 C
K -P  0.07   392 T
P -F  0.17   520 C        1 Br
F -Q  0.46   855 C        1 Br
F -J  0.12   309 C
J -Q  0.10   448 T
J -C  0.15   257 C        1 Br
C -D  0.20   317 T
D -R  0.67   167 T WindLd 1 Br

TL Defl  -0.10" in L -G  L/999
LL Defl  -0.03" in J -D  L/999
LL Cant   0.00" in A -H  L/999
Hz Disp   LL      DL      TL
  Jt E   0.02"   0.04"   0.06"
Shear // Grain  in B -Q   0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  4.0x 5.0 Ctr 0.1 0.37
M  MT20  3.0x 5.0 0.9-0.3 0.57
N  MT20  5.0x 6.0-0.3 0.5 0.45
O  MT20  3.0x 5.0 Ctr Ctr 0.36
P  MT20  3.0x 5.0 Ctr Ctr 0.38
B  MT20  5.0x 9.0 1.0-3.6 0.37
Q  MT20  3.0x 5.0 Ctr Ctr 0.38
C  MT20  5.0x 5.0-0.4-3.3 0.70
R  MT20  2.0x 4.0 Ctr Ctr 0.28
H  MT20  5.0x 5.0-0.6 2.9 0.33
L  MT20  3.0x 5.0-0.5-0.2 0.69
G  MT20  5.0x 5.0 Ctr-1.3 0.52
K  MT20  3.0x 5.0 Ctr Ctr 0.38
F  MT20  5.0x 9.0 Ctr 1.7 0.46
E  MT20  3.0x 4.0 Ctr Ctr 0.89
J  MT20  4.0x 8.0 Ctr Ctr 0.28
D  MT20  4.0x 5.0 Ctr Ctr 0.25

REVIEWED BY:
MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

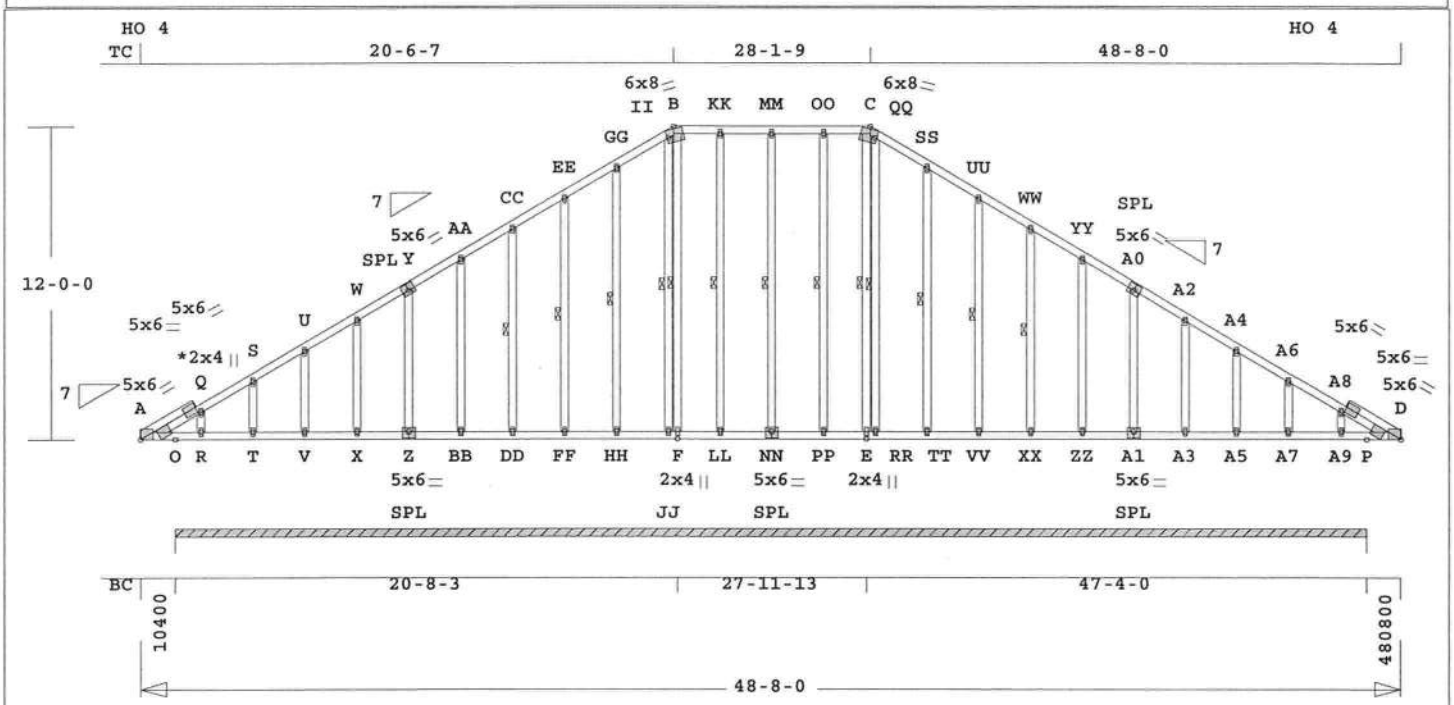
NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
  TPI 2002
This truss has been designed
  for 20.0  psf LL on the B.C.
  in areas where a rectangle
   3- 6- 0 tall by
   2- 0- 0 wide
  will fit between the B.C.
  and any other member.
Design checked for 10 psf non-
  concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          120 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:          5.0 psf
  BC Dead Load:          5.0 psf
Max comp. force     1890 Lbs
Max tens. force      880 Lbs
Connector Plate Fabrication
  Tolerance = 20%
This truss is designed for a
  creep factor of 1.5  which
  is used to calculate total
  load deflection.
```

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	A3GE	1	HIPP	480800	7	0	0	T3999625

ONEAL



ALL PLATES ARE MT2020

See Joint Q For Typical Gable Plate Size and Placement

Scale: 0.135" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 541.3 LBS

Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

	CSI	-Size-	----Lumber----
TC	0.08	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
WB	0.03	2x 4	SP-#2
GW	0.10	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 6- 7
TC	24.0"	20- 6- 7	28- 1- 9
TC	Cont.	28- 1- 9	48- 8- 0
BC	Cont.	0- 0- 0	48- 8- 0

One Continuous Lateral Brace
F -II E -QQ DD-CC FF-EE
HH-GG JJ-II LL-KK NN-MM
PP-OO RR-QQ TT-SS VV-UU
XX-WW
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
O	3893	868 U	312 R

Jt	Brg Size	Required
O	552.0"	16"-to- 568"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -Q	0.08	251 C	0.02 0.06
Q -S	0.05	206 C	0.02 0.03
S -U	0.04	141 T	0.01 0.03
U -W	0.03	120 T	0.00 0.03
W -Y	0.03	102 C	0.00 0.03
Y -AA	0.03	86 C	0.00 0.03
AA-CC	0.03	142 T	0.00 0.03
CC-EE	0.04	212 T	0.02 0.02
EE-GG	0.05	282 T	0.03 0.02
GG-II	0.06	356 T	0.04 0.02
II-KK	0.06	341 T	0.04 0.02
KK-MM	0.06	341 T	0.04 0.02
MM-OO	0.06	341 T	0.04 0.02
OO-QQ	0.06	341 T	0.04 0.02
QQ-SS	0.06	356 T	0.04 0.02
SS-UU	0.05	282 T	0.03 0.02
UU-WW	0.04	212 T	0.02 0.02
WW-YY	0.03	142 T	0.00 0.03
YY-A0	0.03	86 C	0.00 0.03
A0-A2	0.03	102 C	0.00 0.03
A2-A4	0.03	120 T	0.00 0.03
A4-A6	0.04	141 T	0.01 0.03
A6-A8	0.05	206 C	0.02 0.03
A8-D	0.08	251 C	0.02 0.06
Bottom Chords			
A -R	0.09	2 T	0.00 0.09
R -T	0.02	0 T	0.00 0.02
T -V	0.02	0 T	0.00 0.02
V -X	0.02	0 T	0.00 0.02
X -Z	0.02	0 T	0.00 0.02
Z -BB	0.02	0 T	0.00 0.02
BB-DD	0.02	0 T	0.00 0.02
DD-FF	0.02	0 T	0.00 0.02
FF-HH	0.02	0 T	0.00 0.02
HH-JJ	0.02	0 T	0.00 0.02
JJ-F	0.01	0 T	0.00 0.01
F -LL	0.01	0 T	0.00 0.01
LL-NN	0.02	0 T	0.00 0.02
NN-PP	0.02	0 T	0.00 0.02
PP-E	0.01	0 T	0.00 0.01
E -RR	0.01	0 T	0.00 0.01
RR-TT	0.02	0 T	0.00 0.02
TT-VV	0.02	0 T	0.00 0.02
VV-XX	0.02	0 T	0.00 0.02
XX-ZZ	0.02	0 T	0.00 0.02
ZZ-A1	0.02	0 T	0.00 0.02
A1-A3	0.02	0 T	0.00 0.02
A3-A5	0.02	0 T	0.00 0.02
A5-A7	0.02	0 T	0.00 0.02
A7-A9	0.02	0 T	0.00 0.02
A9-D	0.09	2 T	0.00 0.09
Webs			
F -II	0.03	58 C	1 Br
E -QQ	0.03	58 C	1 Br
Gable Webs			
R -Q	0.01	118 C	
T -S	0.01	134 C	
V -U	0.02	135 C	
X -W	0.04	135 C	
Z -Y	0.06	135 C	
BB-AA	0.10	135 C	
DD-CC	0.03	135 C	1 Br
FF-EE	0.04	135 C	1 Br
HH-GG	0.06	147 C	1 Br
JJ-II	0.03	57 C	1 Br
LL-KK	0.06	114 C	1 Br
NN-MM	0.06	124 C	1 Br
PP-OO	0.06	114 C	1 Br
RR-QQ	0.03	57 C	1 Br
TT-SS	0.06	147 C	1 Br
VV-UU	0.04	135 C	1 Br
XX-WW	0.03	135 C	1 Br
ZZ-YY	0.10	135 C	
A1-A0	0.06	135 C	
A3-A2	0.04	135 C	
A5-A4	0.02	135 C	
A7-A6	0.01	134 C	
A9-A8	0.01	118 C	

TL Defl 0.00" in R -T L/999
LL Defl 0.00" in HH-JJ L/999
Shear // Grain in O -Q 0.08

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	5.0x 6.0	1.8	0.2	0.33
Q	MT20	2.0x 4.0	Ctr	Ctr	0.00
S	MT20	2.0x 4.0	Ctr	Ctr	0.00
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
Y	MT20	5.0x 6.0-0.3	0.5		0.38
AA	MT20	2.0x 4.0	Ctr	Ctr	0.00
CC	MT20	2.0x 4.0	Ctr	Ctr	0.00
EE	MT20	2.0x 4.0	Ctr	Ctr	0.00
GG	MT20	2.0x 4.0	Ctr	Ctr	0.00
II	MT20	6.0x 8.0	0.6-4.2		0.48
KK	MT20	2.0x 4.0	Ctr	Ctr	0.00
MM	MT20	2.0x 4.0	Ctr	Ctr	0.00
OO	MT20	2.0x 4.0	Ctr	Ctr	0.00
QQ	MT20	6.0x 8.0-0.6-4.2			0.48
SS	MT20	2.0x 4.0	Ctr	Ctr	0.00
UU	MT20	2.0x 4.0	Ctr	Ctr	0.00
WW	MT20	2.0x 4.0	Ctr	Ctr	0.00
YY	MT20	2.0x 4.0	Ctr	Ctr	0.00
A0	MT20	5.0x 6.0	0.3	0.5	0.38
A2	MT20	2.0x 4.0	Ctr	Ctr	0.00
A4	MT20	2.0x 4.0	Ctr	Ctr	0.00
A6	MT20	2.0x 4.0	Ctr	Ctr	0.00
A8	MT20	2.0x 4.0	Ctr	Ctr	0.00
D	MT20	5.0x 6.0-1.8	0.2		0.33
R	MT20	2.0x 4.0	Ctr	Ctr	0.00
T	MT20	2.0x 4.0	Ctr	Ctr	0.00
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	MT20	2.0x 4.0	Ctr	Ctr	0.00
Z	MT20	5.0x 6.0	Ctr-0.5		0.39
BB	MT20	2.0x 4.0	Ctr	Ctr	0.00
DD	MT20	2.0x 4.0	Ctr	Ctr	0.00
FF	MT20	2.0x 4.0	Ctr	Ctr	0.00
HH	MT20	2.0x 4.0	Ctr	Ctr	0.00
JJ	MT20	2.0x 4.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.34
LL	MT20	2.0x 4.0	Ctr	Ctr	0.00
NN	MT20	5.0x 6.0	Ctr-0.5		0.39
PP	MT20	2.0x 4.0	Ctr	Ctr	0.00
E	MT20	2.0x 4.0	Ctr	Ctr	0.34
RR	MT20	2.0x 4.0	Ctr	Ctr	0.00
TT	MT20	2.0x 4.0	Ctr	Ctr	0.00
VV	MT20	2.0x 4.0	Ctr	Ctr	0.00
XX	MT20	2.0x 4.0	Ctr	Ctr	0.00
ZZ	MT20	2.0x 4.0	Ctr	Ctr	0.00
A1	MT20	5.0x 6.0	Ctr-0.5		0.39
A3	MT20	2.0x 4.0	Ctr	Ctr	0.00
A5	MT20	2.0x 4.0	Ctr	Ctr	0.00
A7	MT20	2.0x 4.0	Ctr	Ctr	0.00
A9	MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 307 Lbs
Max tens. force 356 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	*A3GE*	1	HIPP	480800	7	0	0	*T3999625*
ONEAL								

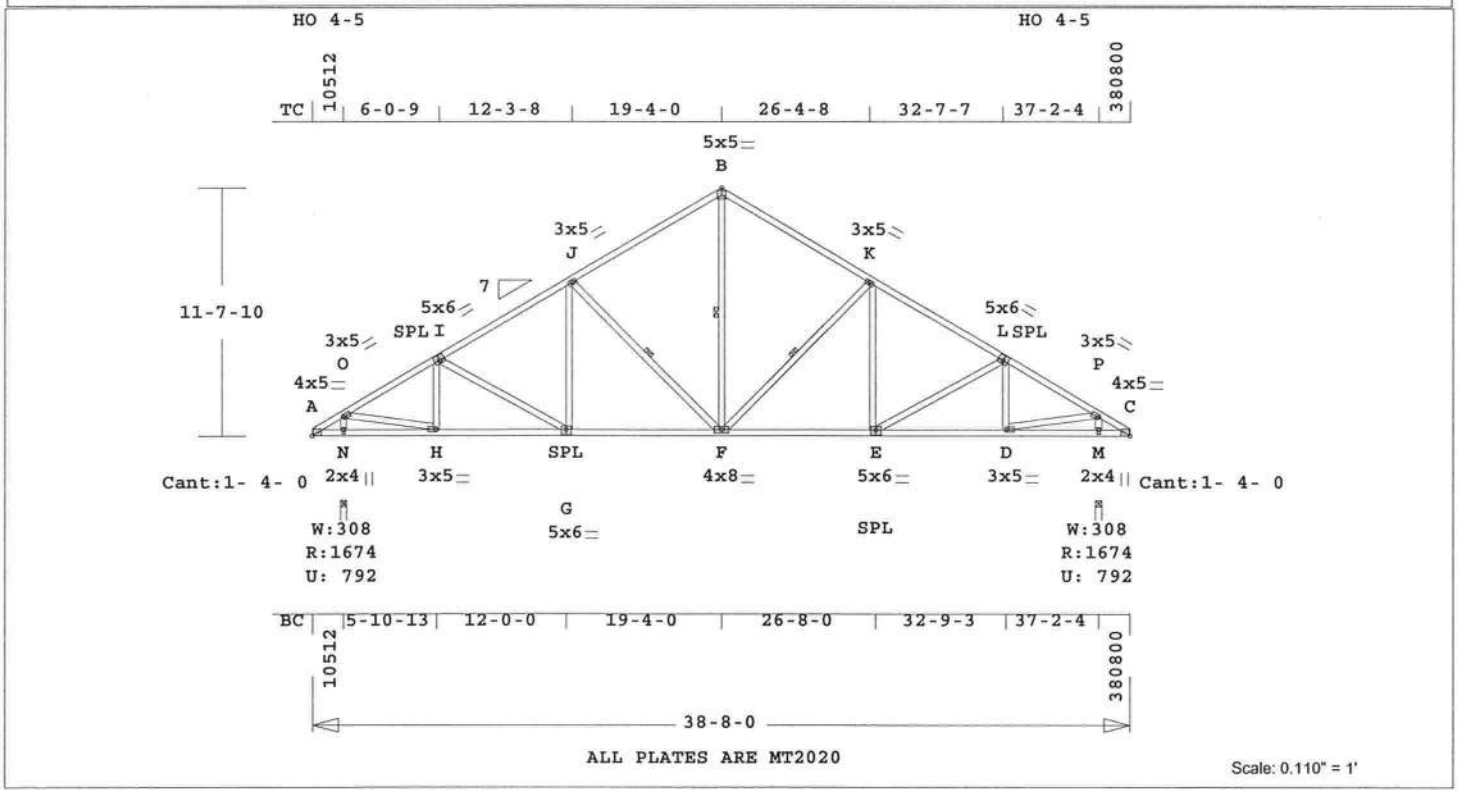
creep factor of 1.5 which
is used to calculate total
load deflection.

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	B1	4	TR	380800	7	0	0	T3999626

ONEAL



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 298.2 LBS

Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

	CSI	Size	Lumber
TC	0.59	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
WB	0.64	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 8- 0
BC	Cont.	0- 0- 0	38- 8- 0

One Continuous Lateral Brace
J -F F -B F -K
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
N	1674	792 U	291 R
M	1674	792 U	291 R

Jt	Brg Size	Required
N	3.5"	1.8"
M	3.5"	1.8"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -O	0.15	70 T	0.00	0.15
O -I	0.42	2035 C	0.25	0.17
I -J	0.59	1993 C	0.24	0.35
J -B	0.55	1551 T	0.20	0.35
B -K	0.55	1551 T	0.20	0.35
K -L	0.59	1993 C	0.24	0.35
L -P	0.42	2035 C	0.25	0.17
P -C	0.15	70 T	0.00	0.15
Bottom Chords				
A -N	0.13	71 T	0.01	0.12
N -H	0.13	282 T	0.01	0.12
H -G	0.53	1762 T	0.29	0.24
G -F	0.59	1730 T	0.29	0.30
F -E	0.59	1730 T	0.29	0.30
E -D	0.53	1762 T	0.29	0.24
D -M	0.13	298 T	0.01	0.12
M -C	0.13	71 T	0.01	0.12
Webs				
N -O	0.19	1553 C		
O -H	0.45	1726 T		
H -I	0.05	272 C		
I -G	0.09	196 T		
G -J	0.28	362 C		
J -F	0.25	703 T		1 Br
F -B	0.64	1273 C		1 Br
F -K	0.25	703 T		1 Br
E -K	0.28	362 C		
E -L	0.09	196 T		
D -L	0.05	272 C		
D -P	0.45	1726 T		
M -P	0.19	1553 C		

TL Defl -0.28" in F -E L/999
LL Defl -0.13" in F -E L/999
LL Cant 0.01" in M -C L/999
Shear // Grain in J -B 0.25

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.37
O	MT20	3.0x 5.0	Ctr	Ctr	0.88
I	MT20	5.0x 6.0	-0.3	0.5	0.45
J	MT20	3.0x 5.0	Ctr	Ctr	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.41
K	MT20	3.0x 5.0	Ctr	Ctr	0.38
L	MT20	5.0x 6.0	0.3	0.5	0.45
P	MT20	3.0x 5.0	Ctr	Ctr	0.88
C	MT20	4.0x 5.0	Ctr	0.1	0.37
N	MT20	2.0x 4.0	Ctr	-0.5	0.91
H	MT20	3.0x 5.0	-2.2	0.2	0.82
G	MT20	5.0x 6.0	Ctr	-0.5	0.41
F	MT20	4.0x 8.0	Ctr	Ctr	0.41
E	MT20	5.0x 6.0	Ctr	-0.5	0.41
D	MT20	3.0x 5.0	2.2	0.2	0.82
M	MT20	2.0x 4.0	Ctr	-0.5	0.91

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

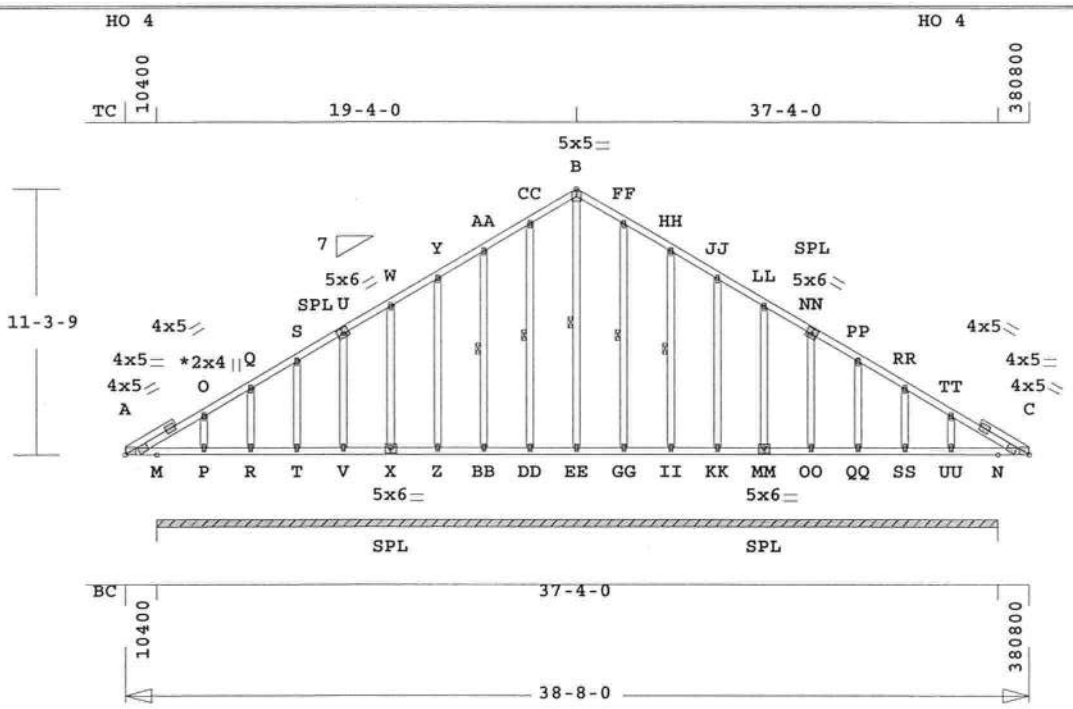
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
1- 4- 0 37- 4- 0
Max comp. force 2035 Lbs
Max tens. force 1899 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	*B2GE*	1	TR	380800	7	0	0	*T3999627*

ONEAL



ALL PLATES ARE MT2020

See Joint O For Typical Gable Plate Size and Placement

Scale: 0.122" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 351.5 LBS

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Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

     CSI -Size- ----Lumber----
TC  0.06  2x 4  SP-#2
BC  0.08  2x 4  SP-#2
GW  0.13  2x 4  SP-#2

Brace truss as follows:
      O.C.     From      To
 TC  Cont.    0- 0- 0 38- 8- 0
 BC  Cont.    0- 0- 0 38- 8- 0
One Continuous Lateral Brace
  BB-AA  DD-CC  EE-B   GG-FF
  II-HH
Attach CLB with (2)-10d nails
  at each web.

psf-Ld  Dead  Live
TC      10.0  20.0
BC      10.0   0.0
TC+BC   20.0  20.0
Total   40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.15  Fc=1.10  Ft=1.10
BC Fb=1.10  Fc=1.10  Ft=1.10

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
M   3093   703 U   281 R

Jt   Brg Size   Required
M     432.0"    16"-to- 448"

Plus  9 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 DL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -O  0.06   183 C  0.01  0.05
O -Q  0.05   132 C  0.00  0.05
Q -S  0.03   119 C  0.00  0.03
S -U  0.03   102 C  0.00  0.03
U -W  0.03   102 C  0.00  0.03
W -Y  0.04   163 T  0.02  0.02
Y -AA 0.06   233 T  0.03  0.03
AA-CC 0.06   306 T  0.03  0.03
CC-B  0.06   368 T  0.04  0.02
B -FF 0.06   368 T  0.04  0.02
FF-HH 0.06   306 T  0.04  0.02
HH-JJ 0.06   233 T  0.03  0.03
JJ-LL 0.04   163 T  0.02  0.02
LL-NN 0.03   102 C  0.00  0.03
NN-PP 0.03   102 C  0.00  0.03
PP-RR 0.03   119 C  0.00  0.03
RR-TT 0.05   132 C  0.00  0.05
TT-C  0.06   183 C  0.01  0.05
--------Bottom Chords---------
A -P  0.08     1 T  0.00  0.08
P -R  0.02     0 T  0.00  0.02
R -T  0.02     0 T  0.00  0.02
T -V  0.02     0 T  0.00  0.02
V -X  0.02     0 T  0.00  0.02
X -Z  0.02     0 T  0.00  0.02
Z -BB 0.02     0 T  0.00  0.02
BB-DD 0.02     0 T  0.00  0.02
DD-EE 0.02     0 T  0.00  0.02
EE-GG 0.02     0 T  0.00  0.02
GG-II 0.02     0 T  0.00  0.02
II-KK 0.02     0 T  0.00  0.02
KK-MM 0.02     0 T  0.00  0.02
MM-OO 0.02     0 T  0.00  0.02
OO-QQ 0.02     0 T  0.00  0.02
QQ-SS 0.02     0 T  0.00  0.02
SS-UU 0.02     0 T  0.00  0.02
UU-C  0.08     1 T  0.00  0.08
----------Gable Webs----------
P -O  0.01   161 C
R -Q  0.01   124 C
T -S  0.03   137 C
V -U  0.05   135 C
X -W  0.08   135 C
Z -Y  0.11   134 C
BB-AA 0.04   141 C          1 Br
DD-CC 0.04   123 C          1 Br
EE-B  0.13   273 C          1 Br
GG-FF 0.04   123 C          1 Br
II-HH 0.04   141 C          1 Br
KK-JJ 0.11   134 C
MM-LL 0.08   135 C
OO-NN 0.05   135 C
QQ-PP 0.03   137 C
SS-RR 0.01   124 C
UU-TT 0.01   161 C

TL Defl   0.00" in M -P  L/999
LL Defl   0.00" in UU-N  L/999
Shear // Grain  in M -O   0.09

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X    Y    JSI
A  MT20  4.0x 5.0 Ctr-0.3  0.37
O  MT20  2.0x 4.0 Ctr Ctr  0.00
Q  MT20  2.0x 4.0 Ctr Ctr  0.00
S  MT20  2.0x 4.0 Ctr Ctr  0.00
U  MT20  5.0x 6.0-0.3 0.5  0.38
W  MT20  2.0x 4.0 Ctr Ctr  0.00
Y  MT20  2.0x 4.0 Ctr Ctr  0.00
AA MT20  2.0x 4.0 Ctr Ctr  0.00
CC MT20  2.0x 4.0 Ctr Ctr  0.00
B  MT20  5.0x 5.0 Ctr Ctr  0.34
FF MT20  2.0x 4.0 Ctr Ctr  0.00
HH MT20  2.0x 4.0 Ctr Ctr  0.00
JJ MT20  2.0x 4.0 Ctr Ctr  0.00
LL MT20  2.0x 4.0 Ctr Ctr  0.00
NN MT20  5.0x 6.0 0.3 0.5  0.38
PP MT20  2.0x 4.0 Ctr Ctr  0.00
RR MT20  2.0x 4.0 Ctr Ctr  0.00
TT MT20  2.0x 4.0 Ctr Ctr  0.00
C  MT20  4.0x 5.0 Ctr-0.3  0.37
P  MT20  2.0x 4.0 Ctr Ctr  0.00
R  MT20  2.0x 4.0 Ctr Ctr  0.00
T  MT20  2.0x 4.0 Ctr Ctr  0.00
V  MT20  2.0x 4.0 Ctr Ctr  0.00
X  MT20  5.0x 6.0 Ctr-0.5  0.39
Z  MT20  2.0x 4.0 Ctr Ctr  0.00
BB MT20  2.0x 4.0 Ctr Ctr  0.00
DD MT20  2.0x 4.0 Ctr Ctr  0.00
EE MT20  2.0x 4.0 Ctr Ctr  0.00
GG MT20  2.0x 4.0 Ctr Ctr  0.00
II MT20  2.0x 4.0 Ctr Ctr  0.00
KK MT20  2.0x 4.0 Ctr Ctr  0.00
MM MT20  5.0x 6.0 Ctr-0.5  0.39
OO MT20  2.0x 4.0 Ctr Ctr  0.00
QQ MT20  2.0x 4.0 Ctr Ctr  0.00
SS MT20  2.0x 4.0 Ctr Ctr  0.00
UU MT20  2.0x 4.0 Ctr Ctr  0.00

REVIEWED BY:
MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
  TPI 2002
WARNING  Do Not Cut overframe
  member between outside of
  truss and first tie-plate
  to inside of heel plate.
Design checked for 10 psf non-
  concurrent LL on BC.
Refer to Gen Det 3 series for
  web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:        120 mph
  Mean Roof Height:  15-0
  Exposure Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
Max comp. force      331 Lbs
Max tens. force      368 Lbs
Connector Plate Fabrication
  Tolerance = 20%
This truss is designed for a
  creep factor of 1.5  which
  is used to calculate total
  load deflection.
```
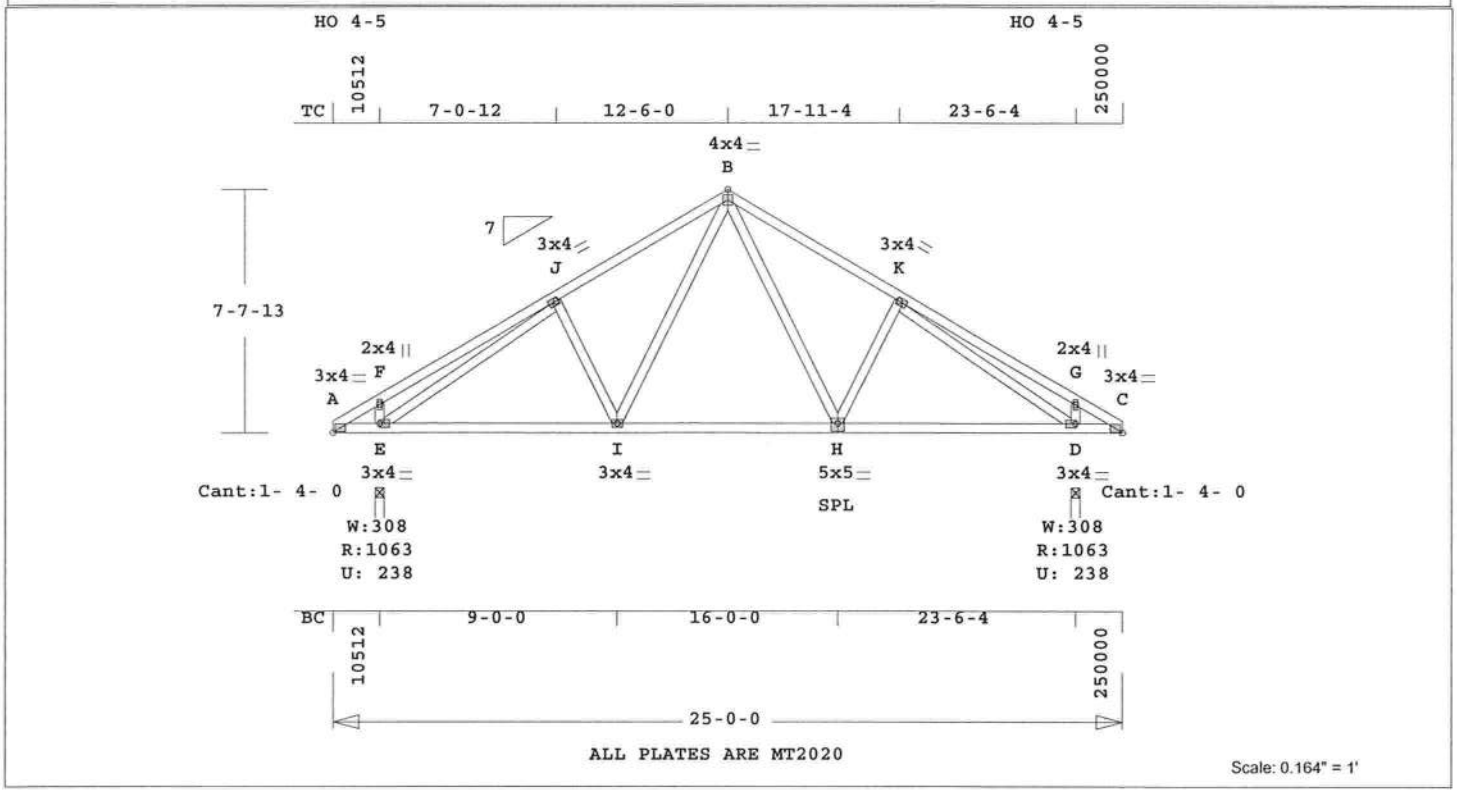

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	C1	8	TR	250000	7	0	0	T3999628

ONEAL



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 175.6 LBS

```
Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

     CSI -Size- ----Lumber----
TC  0.29  2x 4  SP-#2
BC  0.43  2x 4  SP-#2
WB  0.74  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 25- 0- 0
 BC  Cont.     0- 0- 0 25- 0- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.15  Fc=1.10  Ft=1.10
BC Fb=1.10  Fc=1.10  Ft=1.10

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
E   1064   239 U   176 R
D   1064   239 U   176 R

Jt   Brg Size   Required
E       3.5"       1.5"
D       3.5"       1.5"

Plus  9 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 BC LL Load Case(s)
Plus  1 DL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -F  0.26   185 C  0.00  0.26
F -J  0.27   303 C  0.00  0.27
J -B  0.29  1065 C  0.06  0.23
B -K  0.29  1065 C  0.06  0.23
K -G  0.27   303 C  0.00  0.27
G -C  0.26   185 C  0.00  0.26
--------Bottom Chords---------
A -E  0.28   169 T  0.02  0.26
E -I  0.43   988 T  0.16  0.27
I -H  0.40   725 T  0.12  0.28
H -D  0.43   988 T  0.16  0.27
D -C  0.28   169 T  0.02  0.26
```

```
------------Webs------------
E -F  0.04   337 C
E -J  0.74  1049 C
J -I  0.08   273 C
I -B  0.18   424 T
B -H  0.18   424 T
H -K  0.08   273 C
K -D  0.74  1049 C
D -G  0.04   337 C

TL Defl  -0.13" in I -H  L/999
LL Defl  -0.07" in I -H  L/999
LL Cant   0.00" in D -C  L/999
Shear // Grain  in F -J   0.19

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  3.0x 4.0 Ctr Ctr 0.50
F  MT20  2.0x 4.0 Ctr Ctr 0.31
J  MT20  3.0x 4.0-1.0-0.6 0.54
B  MT20  4.0x 4.0 Ctr Ctr 0.53
K  MT20  3.0x 4.0 1.0-0.6 0.54
G  MT20  2.0x 4.0 Ctr Ctr 0.31
C  MT20  3.0x 4.0 Ctr Ctr 0.50
E  MT20  3.0x 4.0 Ctr Ctr 0.68
I  MT20  3.0x 4.0 Ctr Ctr 0.38
H  MT20  5.0x 5.0 Ctr-0.5 0.44
D  MT20  3.0x 4.0 Ctr Ctr 0.68

REVIEWED BY:
MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
  TPI 2002
This truss has been designed
  for 20.0  psf LL on the B.C.
  in areas where a rectangle
   3- 6- 0 tall by
   2- 0- 0 wide
  will fit between the B.C.
  and any other member.
Design checked for 10 psf non-
  concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          120 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
Max comp. force     1065 Lbs
Max tens. force      988 Lbs
Connector Plate Fabrication
  Tolerance = 20%
This truss is designed for a
  creep factor of 1.5  which
  is used to calculate total
  load deflection.
```

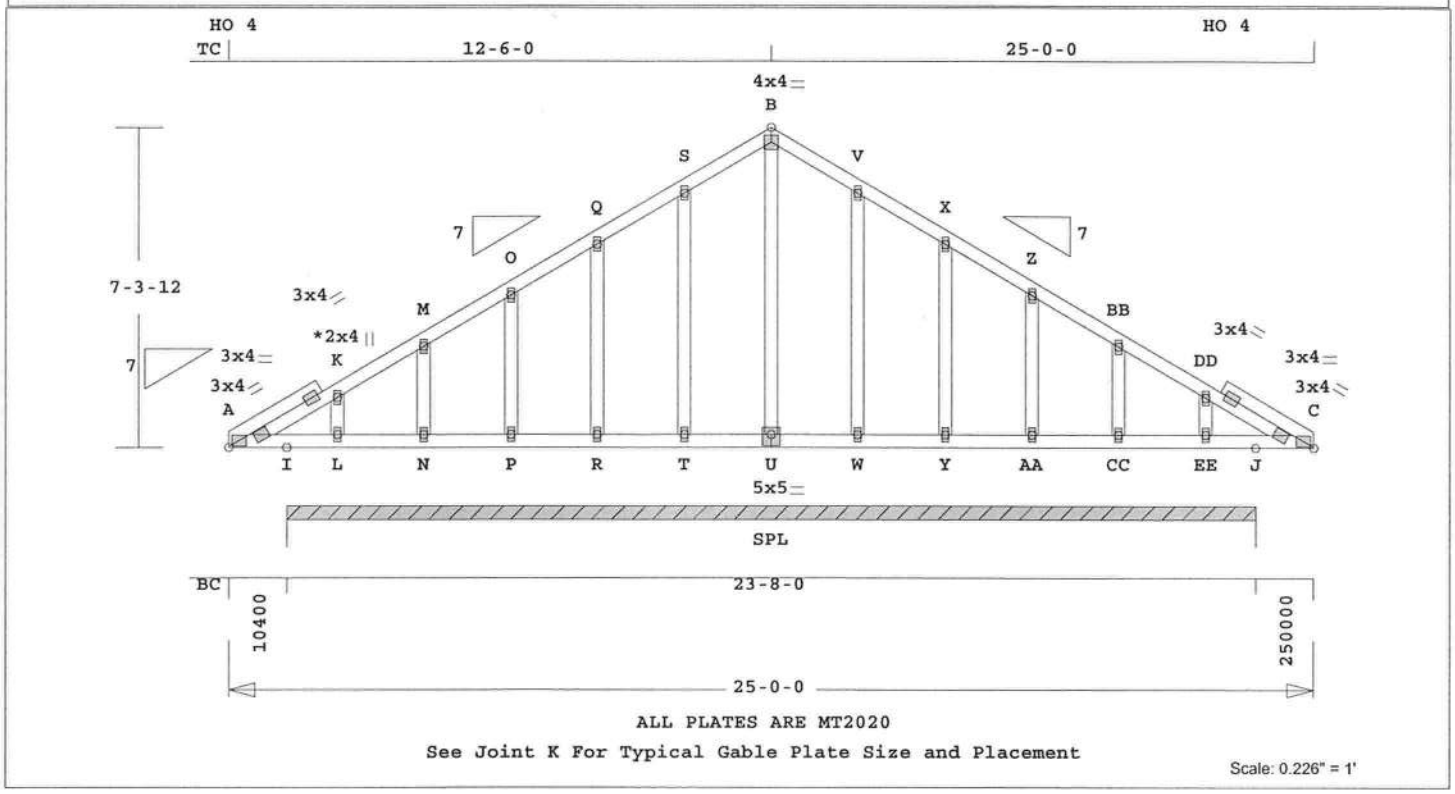
THOMAS A. ALBANI LICENSE No 39380 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	C2GE	1	TR	250000	7	0	0	T3999629

ONEAL



ALL PLATES ARE MT2020

See Joint K For Typical Gable Plate Size and Placement

Scale: 0.226" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 183.6 LBS

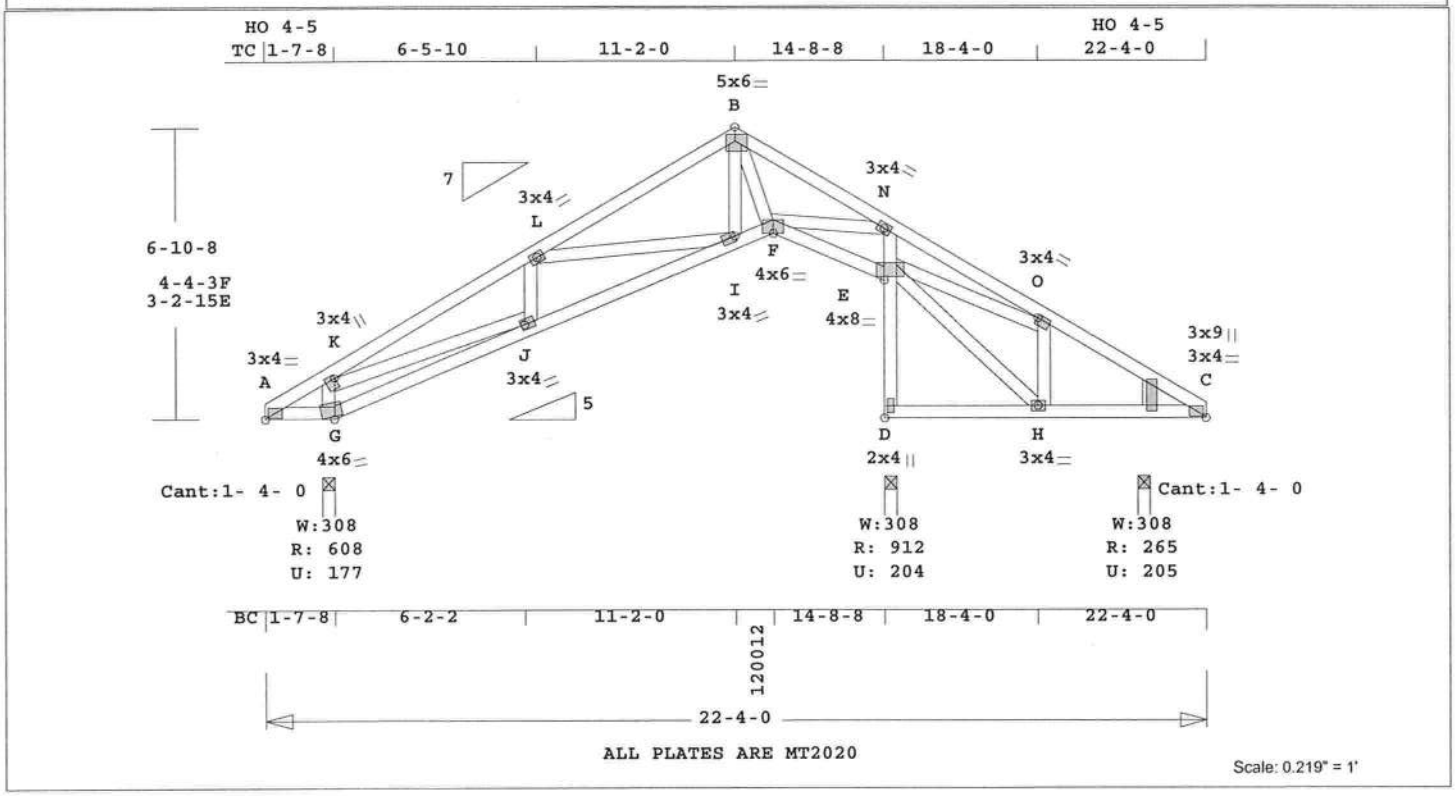
```
Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

     CSI -Size- ----Lumber----
TC  0.04  2x 4  SP-#2
BC  0.04  2x 4  SP-#2
GW  0.09  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0 25- 0- 0
 BC  Cont.    0- 0- 0 25- 0- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.15  Fc=1.10  Ft=1.10
BC Fb=1.10  Fc=1.10  Ft=1.10

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
I   2000   477 U   167 R

Jt   Brg Size   Required
I     268.0"    16"-to- 284"

Plus  9 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 DL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -K  0.04   112 C  0.01  0.03
K -M  0.03    74 C  0.00  0.03
M -O  0.03    59 C  0.00  0.03
O -Q  0.03    84 C  0.00  0.03
Q -S  0.04   149 T  0.02  0.02
S -B  0.04   217 T  0.02  0.02
B -V  0.04   217 T  0.02  0.02
V -X  0.04   149 T  0.02  0.02
X -Z  0.03    84 C  0.00  0.03
Z -BB 0.03    59 C  0.00  0.03
BB-DD 0.03    74 C  0.00  0.03
DD-C  0.04   112 C  0.01  0.03
--------Bottom Chords---------
A -L  0.04     0 T  0.00  0.04
L -N  0.02     0 T  0.00  0.02
N -P  0.02     0 T  0.00  0.02
P -R  0.02     0 T  0.00  0.02
R -T  0.02     0 T  0.00  0.02
T -U  0.02     0 T  0.00  0.02
U -W  0.02     0 T  0.00  0.02
W -Y  0.02     0 T  0.00  0.02
Y -AA 0.02     0 T  0.00  0.02
AA-CC 0.02     0 T  0.00  0.02
CC-EE 0.02     0 T  0.00  0.02
EE-C  0.04     0 T  0.00  0.04
----------Gable Webs----------
L -K  0.01   124 C
N -M  0.01   136 C
P -O  0.02   134 C
R -Q  0.04   137 C
T -S  0.06   132 C
U -B  0.09   132 C
W -V  0.06   132 C
Y -X  0.04   137 C
AA-Z  0.02   134 C
CC-BB 0.01   136 C
EE-DD 0.01   124 C

TL Defl   0.00" in CC-EE L/999
LL Defl   0.00" in CC-EE L/999
Shear // Grain  in K -M   0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  3.0x 4.0 Ctr Ctr 0.50
K  MT20  2.0x 4.0 Ctr Ctr 0.00
M  MT20  2.0x 4.0 Ctr Ctr 0.00
O  MT20  2.0x 4.0 Ctr Ctr 0.00
Q  MT20  2.0x 4.0 Ctr Ctr 0.00
S  MT20  2.0x 4.0 Ctr Ctr 0.00
B  MT20  4.0x 4.0 Ctr Ctr 0.42
V  MT20  2.0x 4.0 Ctr Ctr 0.00
X  MT20  2.0x 4.0 Ctr Ctr 0.00
Z  MT20  2.0x 4.0 Ctr Ctr 0.00
BB MT20  2.0x 4.0 Ctr Ctr 0.00
DD MT20  2.0x 4.0 Ctr Ctr 0.00
C  MT20  3.0x 4.0 Ctr Ctr 0.50
L  MT20  2.0x 4.0 Ctr Ctr 0.00
N  MT20  2.0x 4.0 Ctr Ctr 0.00
P  MT20  2.0x 4.0 Ctr Ctr 0.00
R  MT20  2.0x 4.0 Ctr Ctr 0.00
T  MT20  2.0x 4.0 Ctr Ctr 0.00
U  MT20  5.0x 5.0 Ctr-0.5 0.39
W  MT20  2.0x 4.0 Ctr Ctr 0.00
Y  MT20  2.0x 4.0 Ctr Ctr 0.00
AA MT20  2.0x 4.0 Ctr Ctr 0.00
CC MT20  2.0x 4.0 Ctr Ctr 0.00
EE MT20  2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
  TPI 2002
WARNING  Do Not Cut overframe
  member between outside of
  truss and first tie-plate
  to inside of heel plate.
Design checked for 10 psf non-
  concurrent LL on BC.
Refer to Gen Det 3 series for
  web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          120 mph
  Mean Roof Height:  15-0
  Exposure  Category:     B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
Max comp. force      201 Lbs
Max tens. force      217 Lbs
Connector Plate Fabrication
  Tolerance = 20%
This truss is designed for a
  creep factor of 1.5  which
  is used to calculate total
  load deflection.
```

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	D1	2	SP	220400	7	0	0	T3999630

ONEAL



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 161.3 LBS

Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
BC	0.21	2x 4	SP-#2
CW	0.08	2x 4	SP-#2
WB	0.19	2x 4	SP-#2
WG	---	2x 8	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	22- 4- 0
BC	Cont.	0- 0- 0	22- 4- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
G	609	178 U	159 R
D	913	204 U	
C	265	205 U	157 R

Jt	Brg Size	Required
G	3.5"	1.5"
D	3.5"	1.5"
C	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -K	0.18	127 C	0.00	0.18
K -L	0.23	1028 C	0.05	0.18
L -B	0.20	492 C	0.00	0.20
B -N	0.17	517 C	0.00	0.17
N -O	0.25	466 T	0.08	0.17
O -C	0.16	273 T	0.03	0.13
Bottom Chords				
A -G	0.13	121 T	0.01	0.12
G -J	0.13	228 T	0.01	0.12
J -I	0.21	963 T	0.09	0.12
I -F	0.15	454 T	0.07	0.08
F -E	0.11	422 C	0.00	0.11
D -H	0.11	10 C	0.00	0.11
H -C	0.14	141 C	0.00	0.14
Chord-Webs				
D -E	0.08	877 C	0.08	0.00
E -N	0.06	713 C	0.06	0.00
Webs				
G -K	0.05	532 C		
K -J	0.14	809 T		
J -L	0.01	99 T		
L -I	0.19	550 C		
I -B	0.03	250 T		
B -F	0.03	214 T		
F -N	0.15	813 T		
E -O	0.11	457 C		
E -H	0.07	191 C		
H -O	0.01	96 C		

TL Defl	-0.08"	in J -I	L/999
LL Defl	-0.03"	in J -I	L/999
LL Cant	0.00"	in A -G	L/999

Hz Disp	LL	DL	TL
Jt C	0.02"	0.02"	0.04"

Shear // Grain in L -B 0.17

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.50
K	MT20	3.0x 4.0	0.9	-0.3	0.88
L	MT20	3.0x 4.0	Ctr	Ctr	0.48
B	MT20	5.0x 6.0	0.5	-0.5	0.59
N	MT20	3.0x 4.0	Ctr	Ctr	0.88
O	MT20	3.0x 4.0	-0.5	-0.2	0.62
C	MT20	3.0x 4.0	Ctr	Ctr	0.50
C	MT20	3.0x 9.0	Ctr	Ctr	0.00
G	MT20	4.0x 6.0	-1.0	2.6	0.36
J	MT20	3.0x 4.0	-0.9	-0.3	0.76
I	MT20	3.0x 4.0	Ctr	Ctr	0.45
F	MT20	4.0x 6.0	Ctr	-1.8	0.79
E	MT20	4.0x 8.0	Ctr	1.0	0.47
D	MT20	2.0x 4.0	Ctr	Ctr	0.62
H	MT20	3.0x 4.0	Ctr	Ctr	0.41

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

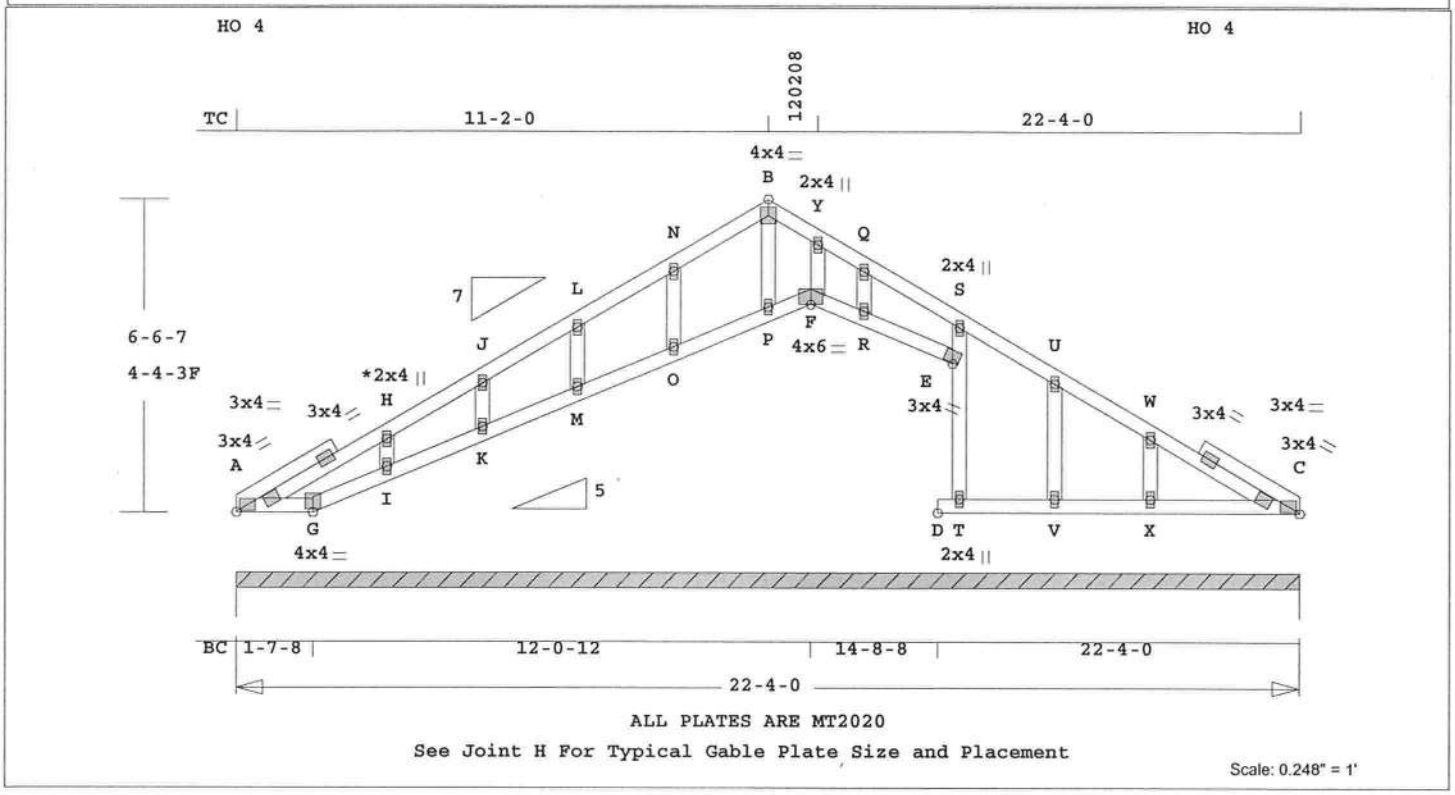
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
14- 8- 8 21- 0- 0
Max comp. force 1028 Lbs
Max tens. force 963 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	D2GE	1	SP	220400	7	0	0	T3999631

ONEAL



ALL PLATES ARE MT2020

See Joint H For Typical Gable Plate Size and Placement

Scale: 0.248" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 132.5 LBS

```
Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

     CSI -Size- ----Lumber----
TC  0.80  2x 4  SP-#2
BC  0.56  2x 4  SP-#2
CW  0.04  2x 4  SP-#2
WB  0.02  2x 4  SP-#2
GW  0.08  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 22- 4- 0
 BC  Cont.     0- 0- 0 22- 4- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.15  Fc=1.10  Ft=1.10
BC Fb=1.10  Fc=1.10  Ft=1.10

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A   1787   368 U   149 R

Jt   Brg Size   Required
A     268.0"     0"-to- 268"

Plus  9 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 DL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -H  0.80   681 C  0.00  0.80
H -J  0.36   703 C  0.00  0.36
J -L  0.43   648 C  0.00  0.43
L -N  0.38   608 C  0.00  0.38
N -B  0.20   597 C  0.00  0.20
B -Y  0.28   660 C  0.00  0.28
Y -Q  0.28   579 C  0.00  0.28
Q -S  0.06   640 C  0.00  0.06
S -U  0.04   627 C  0.02  0.02
U -W  0.04   624 C  0.01  0.03
W -C  0.05   590 C  0.00  0.05
--------Bottom Chords---------
A -G  0.21   372 C  0.00  0.21
G -I  0.49    71 C  0.00  0.49
I -K  0.40    31 C  0.00  0.40
K -M  0.46    38 T  0.00  0.46
M -O  0.45    52 T  0.00  0.45
O -P  0.56   100 T  0.01  0.55
P -F  0.55    79 C  0.00  0.55
F -R  0.04    36 T  0.00  0.04
R -E  0.04    47 T  0.00  0.04
T -V  0.02     0 T  0.00  0.02
V -X  0.02     0 T  0.00  0.02
X -C  0.03    26 T  0.00  0.03

----------Chord-Webs----------
T -E  0.04   125 C  0.00  0.04
E -S  0.04   132 C  0.00  0.04
------------Webs-------------
F -Y  0.02   216 C
----------Gable Webs----------
I -H  0.01   141 C
K -J  0.00    49 T
M -L  0.01    69 T
O -N  0.01   111 C
P -B  0.08   486 T
R -Q  0.00    63 T
V -U  0.01   138 C
X -W  0.02   201 C

TL Defl  -0.56" in K -M  L/474
LL Defl  -0.23" in K -M  L/999
Hz Disp    LL       DL       TL
  Jt D   0.00"    0.00"    0.00"
Shear // Grain  in G -G   0.63

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  3.0x 4.0 Ctr Ctr 0.50
H  MT20  2.0x 4.0 Ctr Ctr 0.00
J  MT20  2.0x 4.0 Ctr Ctr 0.00
L  MT20  2.0x 4.0 Ctr Ctr 0.00
N  MT20  2.0x 4.0 Ctr Ctr 0.00
B  MT20  4.0x 4.0 Ctr Ctr 0.42
Y  MT20  2.0x 4.0 Ctr Ctr 0.31
Q  MT20  2.0x 4.0 Ctr Ctr 0.00
S  MT20  2.0x 4.0 Ctr Ctr 0.33
U  MT20  2.0x 4.0 Ctr Ctr 0.00
W  MT20  2.0x 4.0 Ctr Ctr 0.00
C  MT20  3.0x 4.0 Ctr Ctr 0.50
G  MT20  4.0x 4.0 Ctr 0.9 0.43
I  MT20  2.0x 4.0 Ctr Ctr 0.00
K  MT20  2.0x 4.0 Ctr Ctr 0.00
M  MT20  2.0x 4.0 Ctr Ctr 0.00
O  MT20  2.0x 4.0 Ctr Ctr 0.00
P  MT20  2.0x 4.0 Ctr Ctr 0.00
F  MT20  4.0x 6.0 Ctr-1.8 0.39
R  MT20  2.0x 4.0 Ctr Ctr 0.00
E  MT20  3.0x 4.0 Ctr Ctr 0.48
T  MT20  2.0x 4.0 Ctr Ctr 0.58
V  MT20  2.0x 4.0 Ctr Ctr 0.00
X  MT20  2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
MiTek Industries, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
```

```
Analysis Conforms To:
  FBC2007
  TPI 2002
WARNING  Do Not Cut overframe
  member between outside of
  truss and first tie-plate
  to inside of heel plate.
Design checked for 10 psf non-
  concurrent LL on BC.
Refer to Gen Det 3 series for
  web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          120 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
Max comp. force      703 Lbs
Max tens. force      486 Lbs
Connector Plate Fabrication
  Tolerance = 20%
This truss is designed for a
  creep factor of 1.5  which
  is used to calculate total
  load deflection.
```

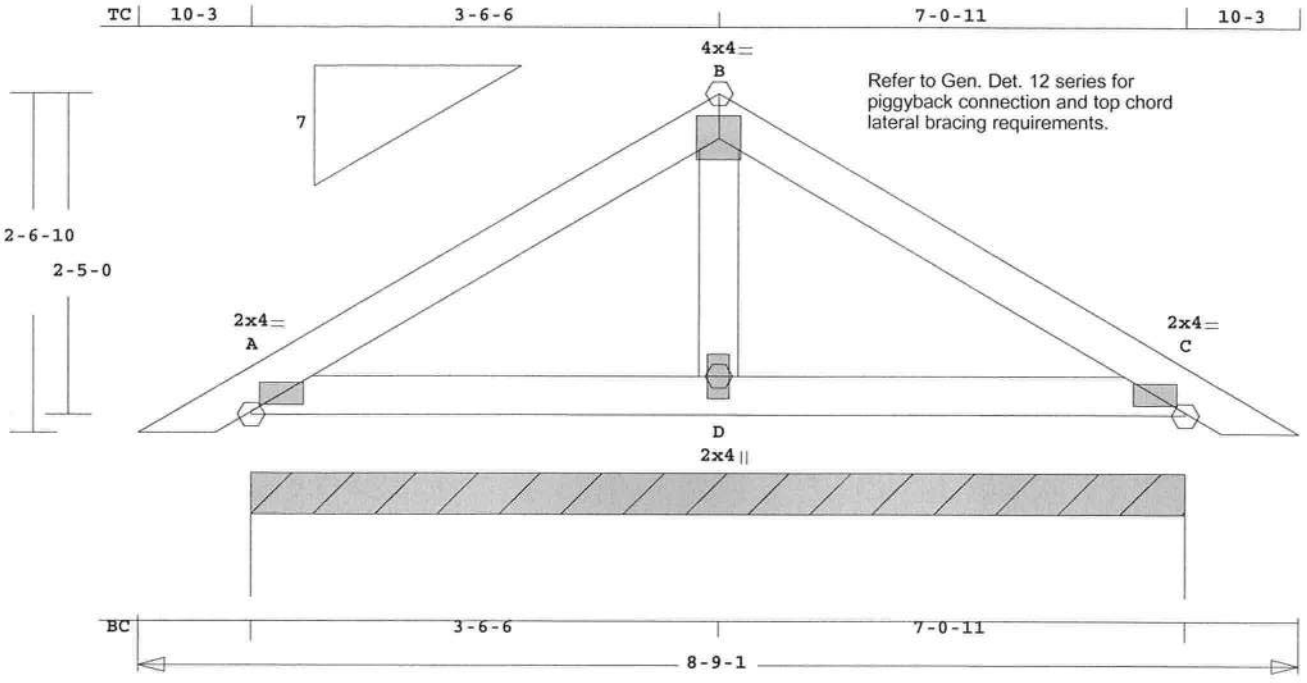
THOMAS A. ALBANI LICENSE No 39380 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	P1	19	TR	80901	7	10- 3	10- 3	T3999632

ONEAL



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 35.8 LBS

Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

	CSI	-Size-	----Lumber----
TC	0.08	2x 4	SP-#2
BC	0.07	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 9- 1
BC	Cont.	0- 0- 0	8- 9- 1

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	567	125 U	48 R

Jt	Brg Size	Required
A	84.7"	0"-to- 85"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.08	181 C	0.00 0.08
B -C	0.08	181 C	0.00 0.08
--------Bottom Chords---------			
A -D	0.07	2 T	0.00 0.07
D -C	0.07	2 T	0.00 0.07
------------Webs-------------			
D -B	0.00	27 T	

TL Defl 0.00" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -B 0.10

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.62
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
C	MT20	2.0x 4.0	Ctr	Ctr	0.62
D	MT20	2.0x 4.0	Ctr	Ctr	0.13

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed

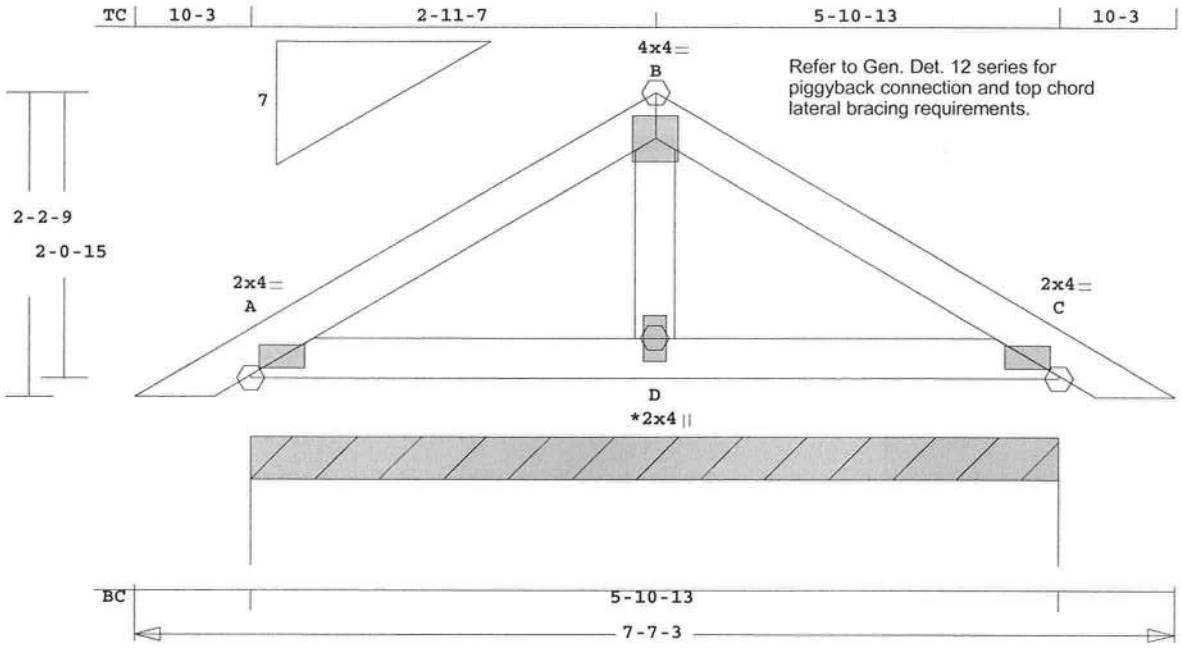
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 181 Lbs
Max tens. force 139 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

February 15,2011

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-ONEAL	P2GE	1	TR	70703	7	10- 3	10- 3	T3999633

ONEAL



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.710" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 30.5 LBS

Online Plus -- Version 28.0.006
RUN DATE: 15-FEB-11

	CSI	-Size-	----Lumber----
TC	0.05	2x 4	SP-#2
BC	0.05	2x 4	SP-#2
GW	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 7- 3
BC	Cont.	0- 0- 0	7- 7- 3

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	474	106 U	39 R

Jt	Brg Size	Required
A	70.8"	0"-to- 71"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.05	134 C	0.00 0.05
B -C	0.05	134 C	0.00 0.05
--------Bottom Chords---------			
A -D	0.05	2 T	0.00 0.05
D -C	0.05	2 T	0.00 0.05

----------Gable Webs----------
D -B 0.00 37 C

TL Defl 0.00" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -B 0.08

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.62
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
C	MT20	2.0x 4.0	Ctr	Ctr	0.62
D	MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.

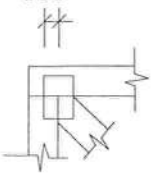
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 134 Lbs
Max tens. force 104 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

February 15,2011

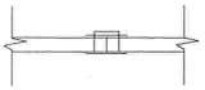
ONLINE PLUS GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

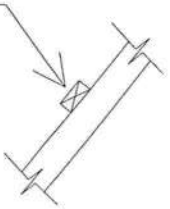
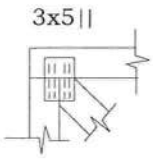


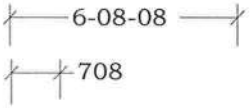
PLATE SIZE AND ORIENTATION

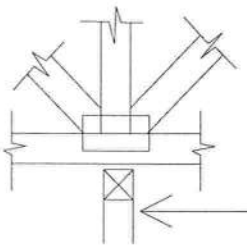


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.

MiTek®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

Lake City, Fl

Project Summary
Entire House
Boozer heat & a.c.

Job:
Date: 2-4-11
By: A W

Project Information

For: Sandra O'neal
Lake City, Fl

Notes: New Home

Design Information

Weather: Jacksonville, Cecil Field NAS, FL, US

Winter Design Conditions

Outside db	***25***	°F
Inside db	70	°F
Design TD	45	°F

Summer Design Conditions

Outside db	***97***	°F
Inside db	75	°F
Design TD	22	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	57	gr/lb

Heating Summary

Structure	23771	Btuh
Ducts	3569	cfm
Central vent (183 cfm)	9018	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	36358	Btuh

Sensible Cooling Equipment Load Sizing

Structure	20056	Btuh
Ducts	4646	Btuh
Central vent (183 cfm)	4409	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.02	
Equipment sensible load	29692	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	1806	1806
Volume (ft³)	16477	16477
Air changes/hour	0.56	0.25
Equiv. AVF (cfm)	155	69

Latent Cooling Equipment Load Sizing

Structure	5271	Btuh
Ducts	1231	Btuh
Central vent (183 cfm)	7108	Btuh
Equipment latent load	13610	Btuh
Equipment total load	43303	Btuh
Req. total capacity at 0.70 SHR	3.5	ton

Heating Equipment Summary

Make Ruud
Trade Ruud UPPA Series
Model UPPA-049JA

Efficiency	8.4 HSPF	
Heating input		
Heating output	47500	Btuh @ 47°F
Temperature rise	28	°F
Actual air flow	1533	cfm
Air flow factor	0.056	cfm/Btuh
Static pressure	0.00	in H2O
Space thermostat		

Cooling Equipment Summary

Make Ruud
Trade Ruud UPPA Series
Cond UPPA-049JA
Coil UGPL-10?BRM?+RCHJ-51A1

Efficiency	13.4 SEER	
Sensible cooling	32200	Btuh
Latent cooling	13800	Btuh
Total cooling	46000	Btuh
Actual air flow	1533	cfm
Air flow factor	0.062	cfm/Btuh
Static pressure	0.00	in H2O
Load sensible heat ratio	0.68	

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Right-J Worksheet
Entire House
Boozer heat & a.c.

Job:
Date: 2-4-11
By: A W

Lake City, Fl

1	Room name						Entire House				Kitchen			
2	Exposed wall						110.0 ft				21.0 ft			
3	Ceiling height						9.1 ft				12.6 ft		heat/cool	
4	Room dimensions										21.0 x 21.0 ft			
5	Room area						1806.0 ft²				441.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	4.09	2.59	80	64	262	166	0	0	0	0
.	G	61B	0.000	n	0.00	0.00	16	0	0	0	0	0	0	0
.	W	12C-0sw	0.091	e	4.09	2.59	296	281	1151	729	0	0	0	0
.	G	2A-2ob	0.630	e	28.35	52.98	15	0	425	795	0	0	0	0
11	W	12C-0sw	0.091	s	4.09	2.59	160	125	512	324	0	0	0	0
	G	2A-2ob	0.630	s	28.35	23.77	35	0	992	832	0	0	0	0
	W	12C-0sw	0.091	w	4.09	2.59	441	372	1522	964	265	226	924	585
	G	2A-2ob	0.630	w	28.35	52.98	69	0	1956	3655	39	0	1106	2066
	C	16B-30ad	0.032	-	1.44	1.82	1806	1806	2601	3294	441	441	635	804
	F	22A-tph	1.358	-	61.11	0.00	1806	110	6722	0	441	21	1283	0
6	c) AED excursion									1050				692
	Envelope loss/gain								16143	11809			3948	4147
12	a) Infiltration								7628	1656			2067	449
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230				13			2990	2			460
		Appliances @	1200				3			3600	3			3600
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								-0	0			17	20
14	Subtotal								23771	20056			6031	8676
15	Duct loads						15%	23%	3569	4646	5%	10%	302	868
	Total room load								27340	24702			6333	9544
	Air required (cfm)								1533	1533			355	592

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Right-J Worksheet
Entire House
Boozer heat & a.c.

Job:
Date: 2-4-11
By: A W

Lake City, Fl

1	Room name						Living Room				BR 2			
2	Exposed wall						34.0 ft				8.0 ft			
3	Ceiling height						8.0 ft		heat/cool		8.0 ft		heat/cool	
4	Room dimensions						1.0	x 372.0 ft			10.0	x 11.0 ft		
5	Room area						372.0 ft²				110.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	4.09	2.59	0	0	0	0	0	0	0	0
.	G	61B	0.000	n	0.00	0.00	0	0	0	0	0	0	0	0
.	W	12C-0sw	0.091	e	4.09	2.59	0	0	0	0	0	0	0	0
.	G	2A-2ob	0.630	e	28.35	52.98	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	s	4.09	2.59	96	76	311	197	64	49	201	127
	G	2A-2ob	0.630	s	28.35	23.77	20	0	567	475	15	0	425	357
	W	12C-0sw	0.091	w	4.09	2.59	176	146	598	379	0	0	0	0
	G	2A-2ob	0.630	w	28.35	52.98	30	0	851	1589	0	0	0	0
	C	16B-30ad	0.032	-	1.44	1.82	372	372	536	679	110	110	158	201
	F	22A-tph	1.358	-	61.11	0.00	372	34	2078	0	110	8	489	0
6	c) AED excursion									380				20
	Envelope loss/gain								4940	3699			1273	704
12	a) Infiltration								2125	461			500	109
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230				0			0	2			460
		Appliances @	1200				0			0	0			0
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			30	36
14	Subtotal								7065	4161			1803	1308
15	Duct loads						18%	33%	1301	1381	18%	33%	332	434
	Total room load								8366	5542			2135	1743
	Air required (cfm)								469	344			120	108

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Right-J Worksheet
Entire House
Boozer heat & a.c.

Job:
Date: 2-4-11
By: A W

Lake City, Fl

1	Room name						UR				MBR				
2	Exposed wall						0.0 ft				0.0 ft				
3	Ceiling height						8.0 ft		heat/cool		8.0 ft		heat/cool		
4	Room dimensions						10.0	x 7.0 ft			12.0	x 16.0 ft			
5	Room area						70.0 ft²				192.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	4.09	2.59	0	0	0	0	0	0	0	0
.	G	61B	0.000	n	0.00	0.00	0	0	0	0	0	0	0	0
.	W	12C-0sw	0.091	e	4.09	2.59	0	0	0	0	0	0	0	0
.	G	2A-2ob	0.630	e	28.35	52.98	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	s	4.09	2.59	0	0	0	0	0	0	0	0
	G	2A-2ob	0.630	s	28.35	23.77	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	4.09	2.59	0	0	0	0	0	0	0	0
	G	2A-2ob	0.630	w	28.35	52.98	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.44	1.82	70	70	101	128	192	192	276	350
	F	22A-tph	1.358	-	61.11	0.00	70	0	0	0	192	0	0	0
6	c) AED excursion									-29				-40
	Envelope loss/gain								101	98			276	310
12	a) Infiltration								0	0			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230				2			460	2			460
		Appliances @	1200				0			0	0			0
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								46	56			40	48
14	Subtotal								147	614			316	817
15	Duct loads						18%	33%	27	204	18%	33%	58	271
	Total room load								174	818			374	1089
	Air required (cfm)								10	51			21	68

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Right-J Worksheet
Entire House
Boozer heat & a.c.

Job:
Date: 2-4-11
By: A W

Lake City, Fl

1	Room name						Hall						Mbath			
2	Exposed wall						0.0 ft						28.0 ft			
3	Ceiling height						8.0 ft		heat/cool				8.0 ft		heat/cool	
4	Room dimensions						1.0	x 140.0 ft					13.0	x 18.0 ft		
5	Room area						140.0 ft²						234.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	4.09	2.59	0	0	0	0	80	64	262	166
.	G	61B	0.000	n	0.00	0.00	0	0	0	0	16	0	0	0
.	W	12C-0sw	0.091	e	4.09	2.59	0	0	0	0	144	144	590	373
.	G	2A-2ob	0.630	e	28.35	52.98	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	s	4.09	2.59	0	0	0	0	0	0	0	0
	G	2A-2ob	0.630	s	28.35	23.77	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	4.09	2.59	0	0	0	0	0	0	0	0
	G	2A-2ob	0.630	w	28.35	52.98	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.44	1.82	140	140	202	255	234	234	337	427
	F	22A-tph	1.358	-	61.11	0.00	140	0	0	0	234	28	1711	0
6	c) AED excursion									-13				-90
	Envelope loss/gain								202	243			2900	876
12	a) Infiltration								0	0			1750	380
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230				0			0	2			460
		Appliances @	1200				0			0	0			0
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								-202	-243			7	8
14	Subtotal								0	0			4656	1724
15	Duct loads						18%	33%	0	0	18%	33%	858	572
	Total room load								0	0			5514	2296
	Air required (cfm)								0	0			309	143

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Right-J Worksheet
Entire House
Boozer heat & a.c.

Job:
Date: 2-4-11
By: A W

Lake City, Fl

							Bath 2 5.0 ft 8.0 ft heat/cool 13.0 x 5.0 ft 65.0 ft²				BR 3 14.0 ft 8.0 ft heat/cool 13.0 x 14.0 ft 182.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	4.09	2.59	0	0	0	0	0	0	0	0
.	G	61B	0.000	n	0.00	0.00	0	0	0	0	0	0	0	0
.	W	12C-0sw	0.091	e	4.09	2.59	40	40	164	104	112	97	397	252
.	G	2A-2ob	0.630	e	28.35	52.98	0	0	0	0	15	0	425	795
11	W	12C-0sw	0.091	s	4.09	2.59	0	0	0	0	0	0	0	0
	G	2A-2ob	0.630	s	28.35	23.77	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	4.09	2.59	0	0	0	0	0	0	0	0
	G	2A-2ob	0.630	w	28.35	52.98	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.44	1.82	65	65	94	119	182	182	262	332
	F	22A-tph	1.358	-	61.11	0.00	65	5	306	0	182	14	856	0
6	c) AED excursion									-26				157
	Envelope loss/gain								563	196			1940	1536
12	a) Infiltration								312	68			875	190
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230				1			230	2			460
		Appliances @	1200				0			0	0			0
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								17	20			46	56
14	Subtotal								892	514			2861	2241
15	Duct loads						18%	33%	164	171	18%	33%	527	744
	Total room load								1056	685			3388	2985
	Air required (cfm)								59	42			190	185

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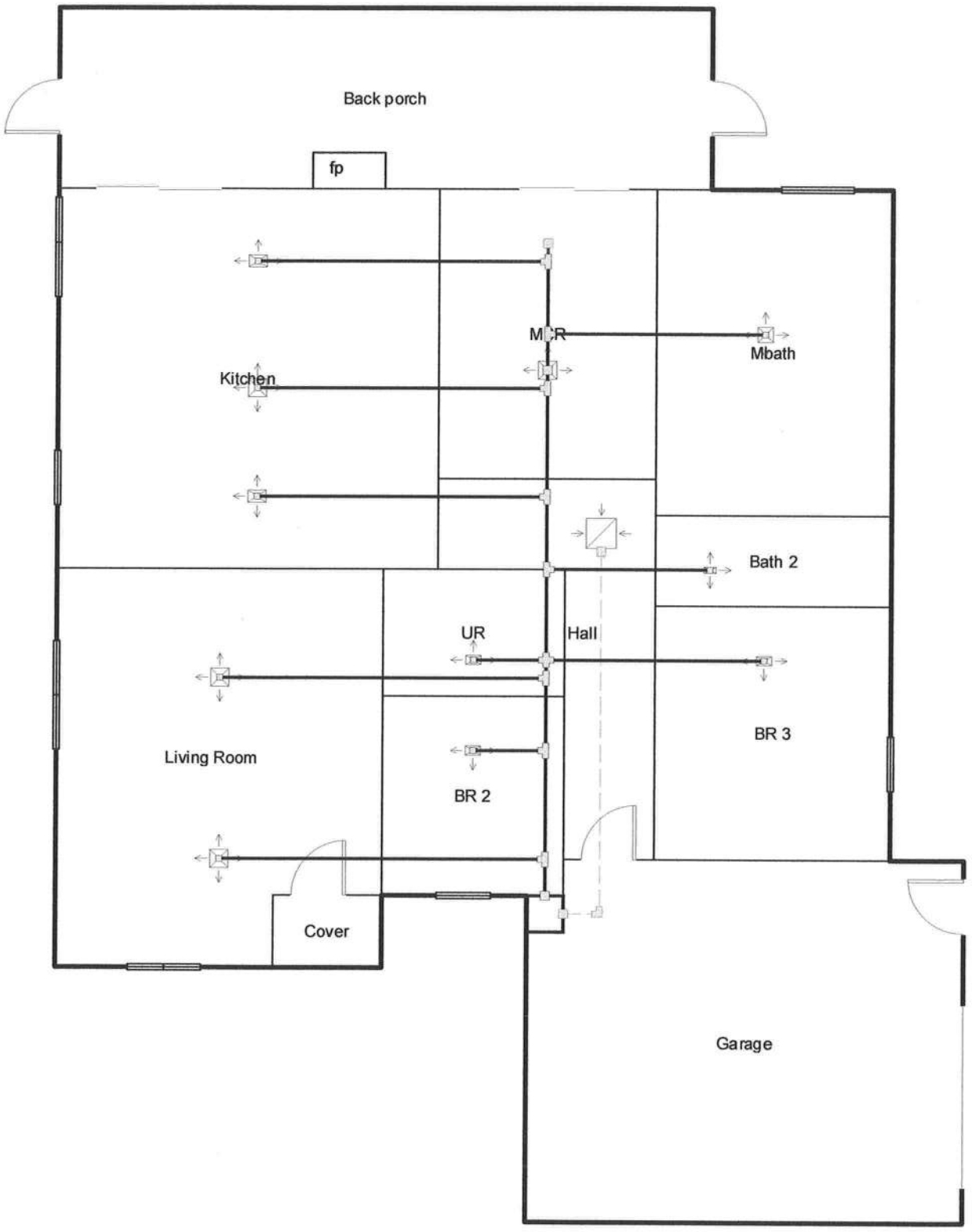
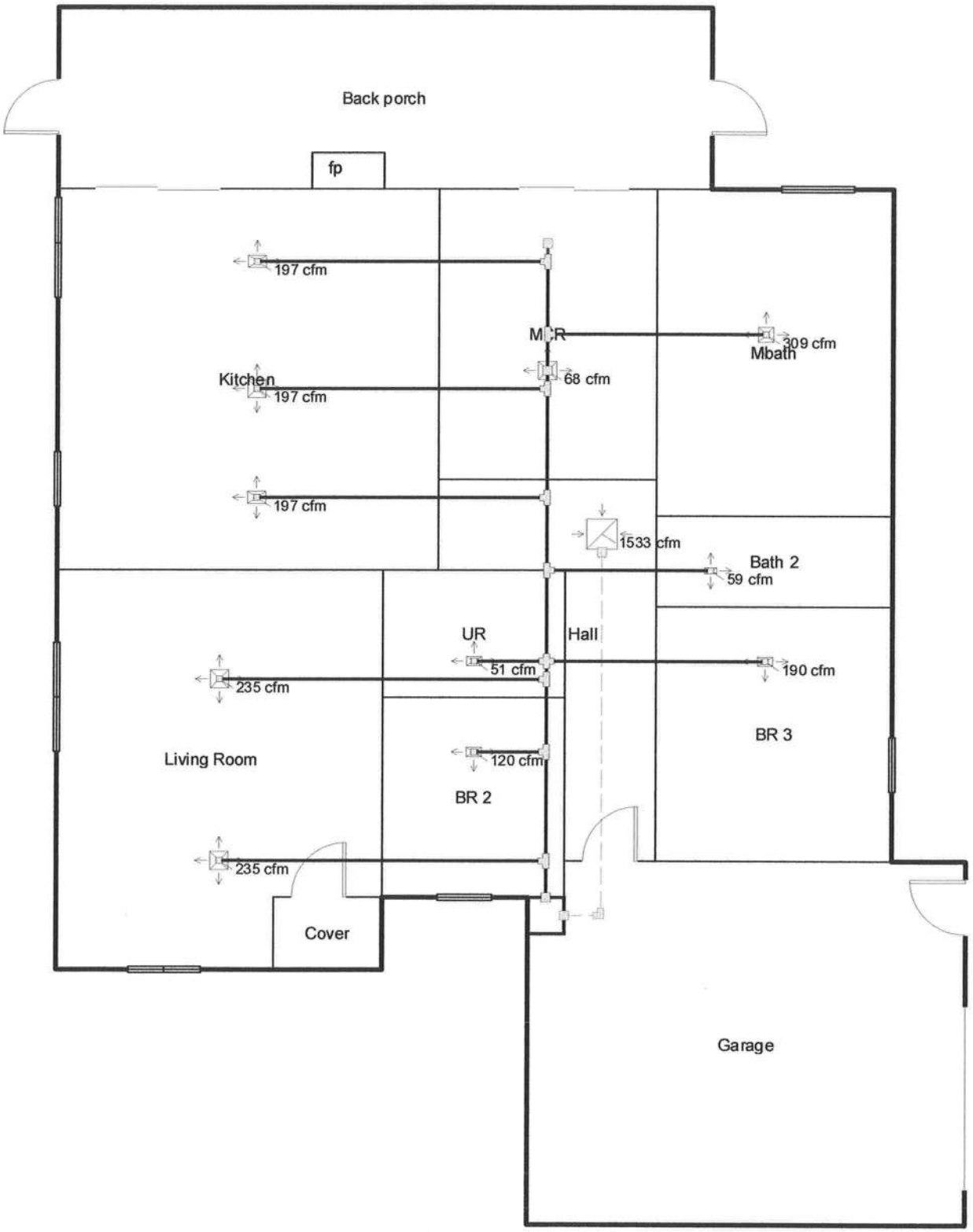
Sheet 1



Job #: **Performed by A W for:** Sandra O'neal Lake City, Fl	**Boozer heat & a.c.** Lake City, Fl	Scale: 1 : 100 Page 1 Right-Suite Residential 5.9.51 RSR26315 2011-Feb-07 14:13:15 C:\My Documents\Wrightsoft HVAC...

Sheet 1



Job #: **Performed by A W for:** Sandra O'neal Lake City, Fl	**Boozer heat & a.c.** Lake City, Fl	Scale: 1 : 100 Page 1 Right-Suite Residential 5.9.51 RSR26315 2011-Feb-07 14:13:31 C:\My Documents\Wrightsoft HVAC...

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 1100B-06 — **Residential Component Prescriptive Method B** — **ALL CLIMATE ZONES**

Compliance with Method B of Chapter 11 of the *Florida Building Code, Residential*, or Subchapter 13-6 of the *Florida Building Code, Building*, may be demonstrated by the use of Form 1100B for single-and multiple-family residences of three stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency requirements on Table 11B-1 and all applicable mandatory requirements summarized in Table 11B-2 of this form. If a building does not comply with this method, it may still comply under Method A of Chapter 11 or Subchapter 13-6 of the applicable code.

PROJECT NAME AND ADDRESS:	O'neal 577 SW Sheppard Way LC 32024	**BUILDER:**	owner build
		PERMITTING OFFICE:	Columbia County
OWNER:	Sandra O'neal	**PERMIT NO.:**	2 9 2 2 8	**JURISDICTION NO.:**	2 2 1 0 0 0

1. New construction including additions which incorporate any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other nonvertical roof glass.
2. Fill in all the applicable spaces of the "To Be Installed" column on "Table 11B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
3. Complete page 1 based on the "To Be Installed" column information.
4. Read "Minimum Requirements for All Packages", Table 11B-2 and check each box to indicate your intent to comply with all applicable items.
5. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. New construction or addition	1. new	
2. Single-family detached or multiple-family attached	2. single	
3. If multiple-family–No. of units covered by this submission	3. na	
4. Is this a worst case? (yes/no)	4. yes	
5. Conditioned floor area (sq. ft.)	5. 1820	
6. Glass type and area:		
a. U-factor	6a. .65	
b. SHGC	6b. .37	
c. Glass area	6c. 222 sq. ft.	
7. Percentage of glass to floor area	7. .12 %	
8. Floor type, area or perimeter, and insulation:		
a. Slab-on-grade (*R*-value)	8a. R= NA 178 lin. ft.	
b. Wood, raised (*R*-value)	8b. R= NA NA sq. ft.	
c. Wood, common (*R*-value)	8c. R= NA NA sq. ft.	
d. Concrete, raised (*R*-value)	8d. R= NA NA sq. ft.	
e. Concrete, common (*R*-value)	8e. R= NA NA sq. ft.	
9. Wall type, area and insulation:		
a. Exterior: 1. Masonry (Insulation R-value)	9a-1. R= ~~—~~ ~~—~~ sq. ft.	
2. Wood frame (Insulation *R*-value)	9a-2. R= 13 1424 sq. ft.	
b. Adjacent: 1. Masonry (Insulation *R*-value)	9b-1. R= ____ ____ sq. ft.	
2. Wood frame (Insulation *R*-value)	9b-2. R= ____ ____ sq. ft.	
10. Ceiling type, area and insulation:		
a. Under attic (Insulation *R*-value)	10a. R= 30 sq. ft. 1820	
b. Single assembly (Insulation *R*-value)	10b. R= ____ ____ sq. ft.	
11. Air distribution system: Duct insulation, location	11a. R= 6 ____	
Test report required if duct in unconditioned space	11b. Test report attached? Yes (No)	
12. Cooling system:	12a. Type: central	
(Types: central, room unit, package terminal A.C., gas, none)	12b. SEER/EER: 16	
	12c. Capacity: ____	
13. Heating system:	13a. Type: heat pump	
(Types: heat pump, elec. strip, nat. gas, LP-Gas, gas h.p., room or PTAC, none)	13b. HSPF/COP/AFUE: ____	
	13c. Capacity: ____	
14. Programmable thermostat installed on HVAC systems:	14. (Yes) No	
15. Hot water system:	15a. Type: Gas	
(Types: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none)	15b. EF: 0.58	

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

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

PREPARED BY: _____ DATE: 2-20-11

I hereby certify that this building is in compliance with the Florida Energy Code:

OWNER AGENT: _____ DATE: 3/24/11

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: _____

DATE: _____

FORM 1100B-08

TABLE 11B-1	MINIMUM REQUIREMENTS (See Note 1)	All Climate Zones
BUILDING COMPONENT	**PERFORMANCE CRITERIA**	**INSTALLED VALUES:**
Windows (see Note 2):	U-factor = 0.65 SHGC = 0. 35 % CFA <= 16%	U-factor= .65 SHGC= .35 % of CFA= 12
Exterior door type	Wood or insulated	Type: insulated
Walls – Ext. and Adj. (See Note 3): Frame Mass Interior of wall: Exterior of wall:	R-13 R-6 R-4	R-value = 13 R-value = R-value =
Ceilings (see Notes 3 & 4)	R-30	R-value = 30
Floors: Slab-on-grade Over unconditioned spaces (see Note 3)	No requirement R-13	R-value =
Hot water systems (storage type) Electric (see Note 5): Gas fired (see Note 6):	40 gal: EF = 0.92 50 gal: EF = 0.90 40 gal: EF = 0.59 50 gal: EF = 0.58	Gallons – EF = Gallons = 50 EF = .58
Air conditioning systems (see Note 7)	SEER = 13.0	SEER = 16
Heat pump systems (see Note 8)	SEER = 13.0 HSPF = 7.7	SEER = 16 HSPF =
Gas furnaces	AFUE = 78%	AFUE =
Oil furnaces	AFUE = 78%	AFUE =
Programmable thermostat	Must be installed on all HVAC systems	Installed? (Yes) No
Ductwork (see Note 9) Unconditioned space[9] Conditioned space Unvented attic assembly per R806.4 with insulation at the roof plane	R-6, Tested NA R-4.2	Location: Unconditioned space R-value= 6 Test report: Conditioned space R-value = (No test report required)
Air Handler location: Unconditioned attic[9] or garage Conditioned space or Unvented attic assembly per R806.4 with insulation at the roof plane	Requires test report No duct test required	Location: Test report:

(1) Each component present in the As-Built home must meet or exceed each of the applicable performance criteria in order to comply with this code using this method; otherwise Method A compliance must be used.
(2) Windows and doors qualifying as glazed fenestration areas must comply with both the maximum U-Factor and the maximum SHGC (Solar Heat Gain Coefficient) criteria and have a maximum total window area equal to or less than 16 % of the conditioned floor area (CFA), otherwise Method A must be used for compliance. Exception: Additions of 600 square feet (56 m^2) or less may have maximum CFA of 50 percent.
(3) R-Values are for insulation material only as applied in accordance with manufacturers' installation instructions. For mass walls, the interior (Int) requirement must be met unless at least 50% of the insulation value is on the exterior (Ext) or integral to the wall.
(4) Attic knee walls shall be insulated to same level as ceilings and shall have a positive means of maintaining insulation in place. Such means may include rigid insulation board or air barrier sheet materials adequately fastened to the attic sides of knee wall framing materials.
(5) For other electric storage volumes, minimum EF = 0.97 - (0.00132 * volume)
(6) For other natural gas storage volumes, minimum EF = 0.67 - (0.0019 * volume)
(7) For all conventional units with capacities greater than 30,000 Btu/hr. For Small-Duct, High-Velocity units, Space Constrained units, and units with capacities less than 30,000 Btu/hr see Table 13-607.AB.3.2A of the *Florida Building Code, Building,* or Table N1107.AB.3.2A of the *FBC-Residential.*
(8) For all conventional units with capacities greater than 30,000 Btu/hr. For Small-Duct, High-Velocity units, Space Constrained units, and units with capacities less than 30,000 Btu/hr see Table 13-607.AB.3.2B of the *Florida Building Code, Building,* or Table N1107.AB.3.2B of the *FBC-Residential.*
(9) All ducts and air handlers shall be either located in conditioned space or tested by a Class 1 BERS rater to be "substantially" leak free. "Substantially leak free" shall mean distribution system air leakage to outdoors no greater than 3 cfm per 100 square feet of conditioned floor area at a pressure differential of 25 Pascal (0.10 in. w.c.) across the entire air distribution system, including the manufacturer's air handler enclosure.

TABLE 11B-2		MINIMUM REQUIREMENTS FOR ALL PACKAGES	
COMPONENTS	**SECTION**	**REQUIREMENTS**	**CHECK**
Exterior joints & cracks	N1106.AB.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior windows & doors	N1106.AB.1.1	Max. 0.3 cfm/sq.ft. window area; 0.5 cfm/sq.ft. door area.	✓
Sole & top plates	N1106.AB.2.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed lighting	N1106.AB.1.2.4	Type IC rated with no penetrations (two alternatives allowed)	✓
Multistory houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	NA
Exhaust fans	N1106.AB.1.3	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	✓
Water heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.AB.3. Switch or clearly marked circuit breaker electric or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	✓
Swimming pools & spas	N1112.AB.2.3.4	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	NA
Hot water pipes	N1112.AB.5	Insulation is required for hot water circulating systems (including heat recovery units).	✓
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	✓
HVAC duct construction, insulation & installation	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 attics must be insulated to a minimum of R-6.	✓
HVAC controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	✓

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 000029228 CONTRACTOR Sandra S. O'Neal PHONE 386-752-5327

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

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

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

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

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

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

"Revised"

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MECHANICAL/ A/C _____	Print Name_____ License #:	Signature_____ Phone #:
PLUMBING/ GAS	Print Name_____ License #:	Signature_____ Phone #:
ROOFING	Print Name_____ License #:	Signature_____ Phone #:
SHEET METAL	Print Name_____ License #:	Signature_____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name_____ License#:	Signature_____ Phone #:
SOLAR	Print Name_____ License #:	Signature_____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION ✓	240	Will Sikes	Will Sikes
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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ELECTRICAL	Print Name_____ License #:	Signature_____ Phone #:
~~MECHANICAL~~/ ~~A/C~~ ____	Print Name MARCO HENRY SIMS License #: 00945	Signature M. Henry Sims Phone #: 352-258-3047
PLUMBING/ GAS	Print Name_____ License #:	Signature_____ Phone #:
ROOFING	Print Name_____ License #:	Signature_____ Phone #:
SHEET METAL	Print Name_____ License #:	Signature_____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name_____ License#:	Signature_____ Phone #:
SOLAR	Print Name_____ License #:	Signature_____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
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MECHANICAL/ A/C _____	Print Name_____ License #:	Signature_____ Phone #:
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FIRE SYSTEM/ SPRINKLER	Print Name_____ License#:	Signature_____ Phone #:
SOLAR	Print Name_____ License #:	Signature_____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING	000330	Bobby Touchton / Touchton Painting LLC	Bobby Touchton
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

Gran Li/ -6-27-11 *

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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 24-5S-16-03707-005 **Building permit No.** 000029228

Use Classification SFD, UTILITY **Fire:** 6.42

Permit Holder OWNER BUILDER **Waste:** 16.75

Owner of Building SANDRA S. O'NEAL **Total:** 23.17

Location: 577 SW SHEPPARD WAY, LAKE CITY, FL 32024

Date: 09/26/2011

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)