DATE 07/21/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027962

APPLICANT PAT HAYGOOD PHONE 386 303-1981

ADDRESS 12592 S US HIGHWAY 441 LAKE CITY FL 32025

OWNER JEFFREY & ALLIE KNIGHT PHONE 755-7684

ADDRESS 108 SW MAULDIN AVE LAKE CITY FL 32025

CONTRACTOR PATRICK HAYGOOD PHONE 386 303-1981

LOCATION OF PROPERTY 47S, TR ON KING RD, 2 1/2 TO MAULDIN, STRAIGHT AHEAD
LOT IS ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 160000.00

HEATED FLOOR AREA 2081.00 TOTAL AREA 3200.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 17

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

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

PARCEL ID 33-4S-16-03265-005 SUBDIVISION ____

LOT ____ BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 1.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CRC1326715	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	09-367	BK	HD	Y

COMMENTS: ONE FOOT ABOVE THE ROAD, SPECIAL FAMILY LOT

Check # or Cash 3481

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by Foundation ____ date/app. by Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by Slab ____ date/app. by Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by Insulation ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by Peri. beam (Lintel) ____ date/app. by Pool ____ date/app. by

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

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

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

BUILDING PERMIT FEE $ 800.00 CERTIFICATION FEE $ 16.00 SURCHARGE FEE $ 16.00

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

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 907.00

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CW

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

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

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

QUIT-CLAIM DEED

THIS QUIT-CLAIM DEED, Executed this 2nd day of March, 20 09, by Sharon Morse and George Morse first party, whose post office address is 110 SW Mauldin Ave Lake City Fl. 32024 to Allie C. Knight, Jeffrey Knight and George R. Morse second party, whose post office address is 6664 SE Country Club Rd Lake City Fl. 32025

(Wherever used herein the terms "first party" and "second party" shall include singular and plural, heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

WITNESSETH, That the said first party, for and in consideration of the sum of 0 in hand by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quit-claim unto the said second party forever, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of Columbia State of Florida, to-wit:

See Exhibit "A"

Inst:200912003655 Date:3/6/2009 Time:12:58 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1168 P:1915

Property Appraiser's Parcel Identification Number 33-4S-16-03265-004

TO HAVE AND TO HOLD the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the state, right, title, interest, lien, equity and claim whatsoever of the said first party, either in law or equity, to the only proper use, benefit and behalf of the said second party forever.

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

Signed, sealed and delivered in presence of:

Witness Signature	Sharon Morse Signature
Andrew Alexander Name - Typed or Printed	Sharon Morse Name - Typed or Printed
Witness Signature	Signature
Stacey Sheppard Name - Typed or Printed	George R. Morse Name - Typed or Printed

STATE OF FLORIDA }
COUNTY OF COLUMBIA }

THE FOREGOING INSTRUMENT was acknowledged before me this 6 day of MARCH, 20 09 by Sharon and George Morse, who is/are personally known to me or who has/have produced FL DRIVERS LICENSE as identification and who did/did not take an oath.

Shatonia Williams
Signature of Notary Public

Title or Rank

Shatonia Williams
Name of Notary - Typed or Printed

Serial Number, if any

NOTARY PUBLIC-STATE OF FLORIDA
Shatonia Williams
Commission # DD757258
Expires: FEB. 10, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

This Instrument Prepared By:

Name - Typed or Printed

Mailing Address

winword/forms/quitdeed.doc

ATS #17296

Exhibit "A"

THAT PART OF:

Commence at the Northwest corner of the NE ¼ of Section 33, Township 4 South, Range 16 East, Columbia County, Florida, and run thence N 89°12'39" E, along the North line of said Section 33, 1072.76 feet to the Point of Beginning; thence continue N 89°12'39" E, along said North line, 783.19 feet; thence S 6°58'28" W, 615.81 feet; thence S 89°15'28" W, 782.63 feet; thence N 6°55'52" E, 615.10 feet to the Point of Beginning.

DESCRIBED AS FOLLOWS:

Commence at the Northwest corner of the NE ¼ Section 33, Township 4 South, Range 16 East, Columbia County, Florida, and run thence N 89°12'39" E, along the North line of said Section 33, 1208.13 feet to the Point of Beginning; thence continue N 89°12'39" E, along said North line, 150.00 feet; thence S 6°55'52" W, 292.00 feet; thence S 89°12'39" W, 150.00 feet; thence N 6°55'52" E, 292.00 feet to the Point of Beginning. TOGETHER WITH a 30.00 foot easement for ingress and egress described as follows: A strip of land 30 feet to the left of a line described as follows: Commence at the Northwest corner of the NE ¼ of Section 33, Township 4 South, Range 16 East, Columbia County, Florida; run thence N 89°12'39" E, along the North line of said Section 33, 1208.13 feet to the Point of Beginning; thence continue N 89°12'39" E, along said North line 1461.00 feet to the Northeast corner of said Section 33 and the Point of Termination. Said 30 foot easement not to include portions of public right of way for Mauldin and King Roads.

CK# 3481

Columbia County Building Permit Application

For Office Use Only Application # 0907-14 Date Received 7/10/09 By CF Permit # 27962

Zoning Official BLK Date 7.07.09 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 18" above Rd River N/A Plans Examiner KO Date 7-13-09

Comments Special Family lot

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

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

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL Suspended ☑ 911 Sheet

Septic Permit No. "Pat" Fax 386-752-3496

Name Authorized Person Signing Permit Samuel P. Haygood Haygood Homes, Inc Phone 386-303-1981

Address 12592 S. US Hwy 441 Lake City, Fl 32025

Owners Name Jeffrey & Allie C. Knight Phone 386-755-7684

911 Address 108 SW Mauldin Ave LC 32024

Contractors Name Samuel Patrick Haygood Phone 386-303-1981

Address 12592 S. US Hwy 441 L.C 32025

Fee Simple Owner Name & Address Columbia Bank L.C

Bonding Co. Name & Address

Architect/Engineer Name & Address Pat Haygood / Marty Humphries

Mortgage Lenders Name & Address Columbia Bank L.C

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

Property ID Number 33-4S-16-03265-005 Estimated Cost of Construction 209,550.

Subdivision Name Lot Block Unit Phase

Driving Directions Highway 47 South to King Rd. turn right - go 2 1/2 miles to Mauldin Rd. Sign located @ driveway Straight Ahead - lot on left Number of Existing Dwellings on Property 0

Construction of New home SFD Total Acreage 1 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 17'

Actual Distance of Structure from Property Lines - Front 200' Side 28' Left Side 50' right Rear 75'

Number of Stories 1 Heated Floor Area 2081 Total Floor Area 3200 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.

spoke with PAT 7/20/09

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

Allie C. Kurt
Owners Signature

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 CRC1326715
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 9th **day of** July **20**09.

Personally known ✓ **or Produced Identification** _____

Nancy K. McCoy
State of Florida Notary Signature (For the Contractor)

NANCY K. MCCOY
Notary Public - State of Florida
My Comm. Expires Apr 28, 2013
Commission # DD 882767
Bonded Through National Notary Assn.

CONTRACTORS ADDENDUM TO BUILDING PERMIT NUMBER _____

CONTRACTORS WHO WAS ISSUED THE BUILDING PERMIT _____

Per Florida Statute 489.113 a contractor shall subcontract all electrical, mechanical, plumbing, roofing, sheet metal, swimming pool, and air-conditioning work, unless such contractor holds a state certificate or registration in the respective trade category. For the exemptions see Florida Statute 489.113(3). Per Columbia County Ordinance 89-6 all Sub-Contractors performing work in Columbia County must hold a valid Columbia County Competency Card in their construction trade.

List all subcontractors by first and last name, not company name, and list their Columbia County Competency number or State license number. Please list your name for all of the work you will be performing.

Electrical Mark Mathews No ER-0014352 Plumbing Don Bills No RF-11067418

A/C Harry Moseley No RA0030316 Mechanical _____ No _____

Roofing George Duckworth No CCC1327937 Sheet Metal _____ No _____

Mason Ed Dennard No 000246 Concrete Finisher Darrell Spradley No see attached

Painting Pat Haygood No CRC1326715 Alum/Vinyl Siding _____ No _____

Insulation Ken Sivik No _____ Drywall Bobby Jackson No see attached

Stucco _____ No _____ Plaster _____ No _____

Glass _____ No _____ Garage Door Lake City Glass No _____

Floor Covering Vann Carpet One No _____ Ceramic Tile Vann Carpet One No _____

Cabinet Install Miracle of Trenton, fl Cabinets No _____ Acoustical Ceiling _____ No _____

Framing Pat Haygood No CRC1326715 Metal Bldg Erect _____ No _____

If at any time you change the subcontractors who are listed on this addendum, you must resubmit the addendum form or notify the Building Department in writing that you have changed subcontractors.

As the contractor of record it is your responsibility to make sure this information is correct and up to date as to the sub-contractors on the job you have permitted.

Contractor Signature _____ S. P. HAYGOOD Printed Name _____ 2-8-09 Date

2008-09

COLUMBIA COUNTY BUSINESS TAX RECEIPT
RONNIE BRANNON, TAX COLLECTOR

RECEIPT EXPIRES 09/30/2009

RECEIPT NUMBER: 2011

MACHINES	ROOMS	SEATS	EMPLOYEES
			2

BUSINESS TYPE: 000201 CONCRETE FINISHING CONTRACTOR

RONNIE BRANNON TAX C
2305505.0001 of 0001
DATE 07/09/2008
Oper JZH
T111 023
Paid 18.00

DARRELL E SPRADLEY
DARRELL E SPRADLEY
537 NW EDGAR TERR
LAKE CITY FLA 32055

SUPPLEMENTAL
X RENEWAL 18.00
NEW RECEIPT
TRANSFER

PENALTY 0.00
TOTAL 18.00

LOCATION ADDRESS: 537 NW EDGAR TERR
LAKE CITY FL 32055

X Darrell E Spradley

SIGN AND RETURN WITH PAYMENT

I SWEAR THAT THIS APPLICATION FOR RECEIPT IS MADE FOR THE BUSINESS OR PROFESSION INDICATED HEREON AND IS TRUE AND CORRECT

THE APPLICATION MUST COMPLY WITH STATE AND LOCAL ORDINANCE INCLUDING ZONING

0000001800 0000001800 00000000000000832 1001 0

This tax is furnished in pursuance of Lafayette County Ordinance No.4

0030

2008-2009
LAFAYETTE COUNTY
BUSINESS TAX RECEIPT

LAFAYETTE COUNTY
STATE OF FLORIDA

DUE: $40.00
DILINQUENT PENALTY 10%: _____
TOTAL AMOUNT PAID: _____

IN CONSIDERATION OF THE TOTAL SUM OF MONEY SHOWN HERE THE RECEIPT OF WHICH IS HEREBY ACKNOWLEDGED

BOBBY JACKSON

IS HERBY LICENSED TO ENGAGE IN THE BUSINESS, PROFESSION OR OCCUAPTION OF

JACKSON DRYWALL & TEXTURE SERVICE , INC.

AT ADDRESS: 4788 US HWY 90, WELLBORN FL 32094

FOR THE PERIOD BEGINNING ON THE 26 DAY OF SEPT, 2008 AND ENDING ON THE FIRST DAY OF OCTOBER 2009.

DATE ISSUED: 9-26-08 CLERK OF CIRCUIT COURT: _____

NOTE: A PENALTY IS IMPOSED FOR FAILURE TO KEEP THIS RECEIPT EXHIBITED CONSPICUOUSLY AT YOUR ESTABLISHMENT OR PLACE OF BUSINESS

0907-14

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 5/12/2009 **DATE ISSUED:** 5/19/2009

ENHANCED 9-1-1 ADDRESS:

108 SW MAULDIN AVE

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

33-4S-16-03265-005

Remarks:

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

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

1441

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

George and Sharon Morse, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Allie Knight, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as Daughter, and both individuals being first duly sworn according to law, depose and say:

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

2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. 33-45-16-03265-003.

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

4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 33-45-16-03265-005.

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

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

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

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

Sharon Morse
Owner

George Morse
Sharon Morse
Typed or Printed Name

Allie C. Knight
Family Member

Allie Knight
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 17th day of July, 2009, by George Morse and Sharon Morse (Owner) who is personally known to me or has produced their Florida Drivers License as identification.

Notary Public

MICHAEL J. CARR
Commission # DD519389
My Commission Expires
February 19, 2010

Subscribed and sworn to (or affirmed) before me this 17th day of July, 2009, by Allie Knight (Family Member) who is personally known to me or has produced her Florida Drivers License as identification.

Notary Public

MICHAEL J. CARR
Commission # DD519389
My Commission Expires
February 19, 2010

Columbia County, Florida
Planning & Zoning Department

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

To: Pat Haygood, Haygood Homes, Inc. Fax: 386.752.3496

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

Number of Pages : 3 Date : 14 July 2009

RE: Building Permit Application 0907-14, Jeffery & Allie Knight

Dear Pat:

The above referenced building permit application property is located within an Agriculture-3 (A-3) zoning district. This zoning district requires a minimum of five (5) acres for one (1) dwelling unit. Under the County's Land Development Regulations (LDR's) a Special Family Lot Permit can be issued to a family member being, brother, sister, parent, grandparent, child, adopted child or grandchild. A family affidavit will need to be completed and submitted prior to a building permit being issued. Please find attached a copy of the family relationship affidavit.

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

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Attachment

Columbia County Property Appraiser

DB Last Updated: 4/27/2009

2009 Preliminary Values

Tax Record | Property Card | Interactive GIS Map | Print

Parcel: 33-4S-16-03265-005

Search Result: 1 of 15 Next >>

Owner & Property Info

Owner's Name	KNIGHT ALLIE C & JEFFREY &		
Site Address			
Mailing Address	GEORGE R MORSE 664 SE COUNTRY CLUB RD LAKE CITY, FL 32025		
Use Desc. (code)	VACANT (000000)		
Neighborhood	033416.00	**Tax District**	3
UD Codes	MKTA01	**Market Area**	01
Total Land Area	1.000 ACRES		
Description	COMM NW COR OF NE1/4, RUN E 1208.13 FT FOR POB, CONT E 150 FT, S 292 FT, W 150 FT, N 292 FT TO POB. ORB 873-1128, QC 1168-1915		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$16,214.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$16,214.00

Just Value	$16,214.00
Class Value	$0.00
Assessed Value	$16,214.00
Exemptions	$0.00
Total Taxable Value	County: $16,214.00 | City: $16,214.00 Other: $16,214.00 | School: $16,214.00

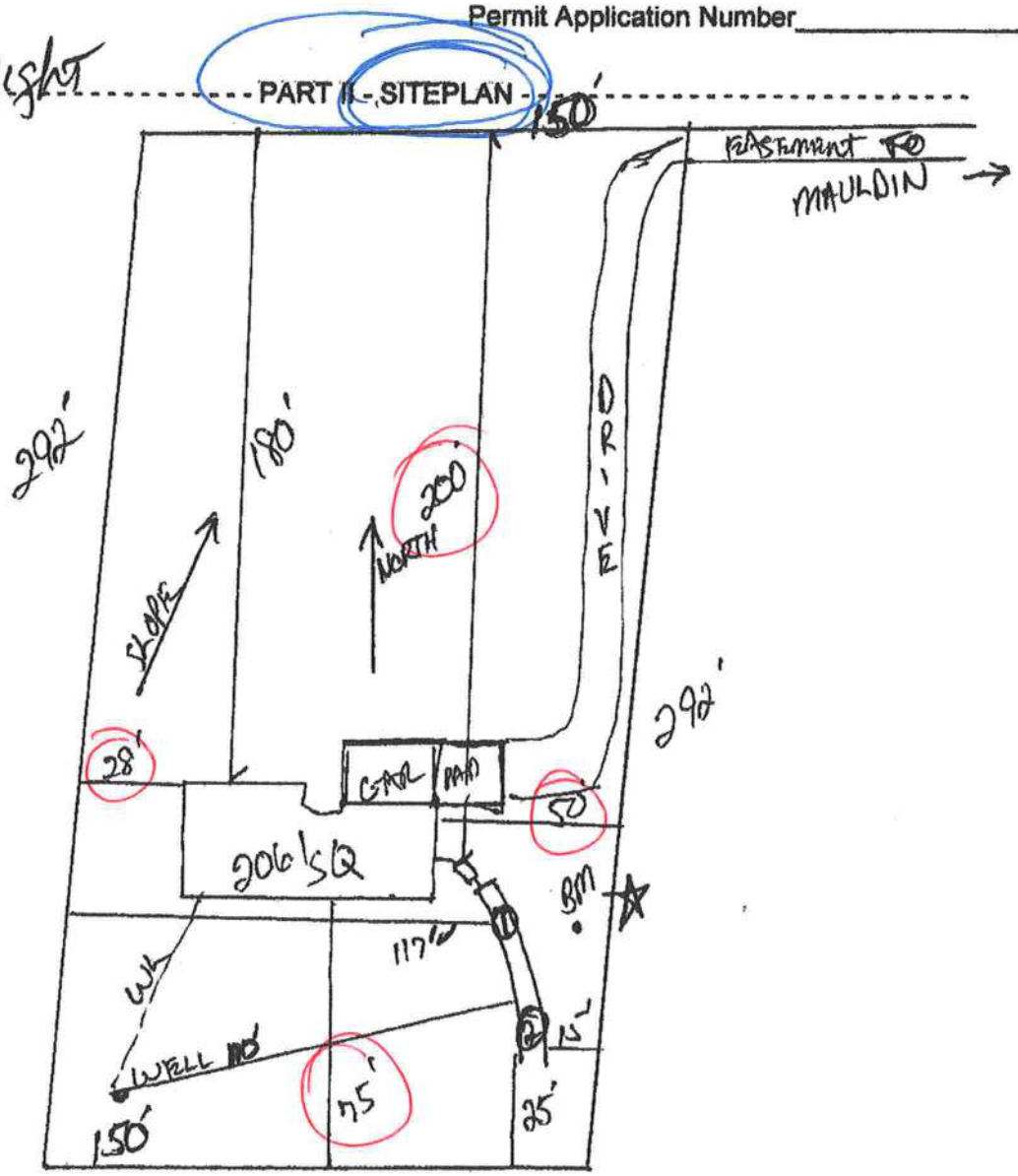
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number_____

KNIGHT

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: _____ MASTER CONTRACTOR

Plan Approved_____ Not Approved_____ Date_____

By_____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

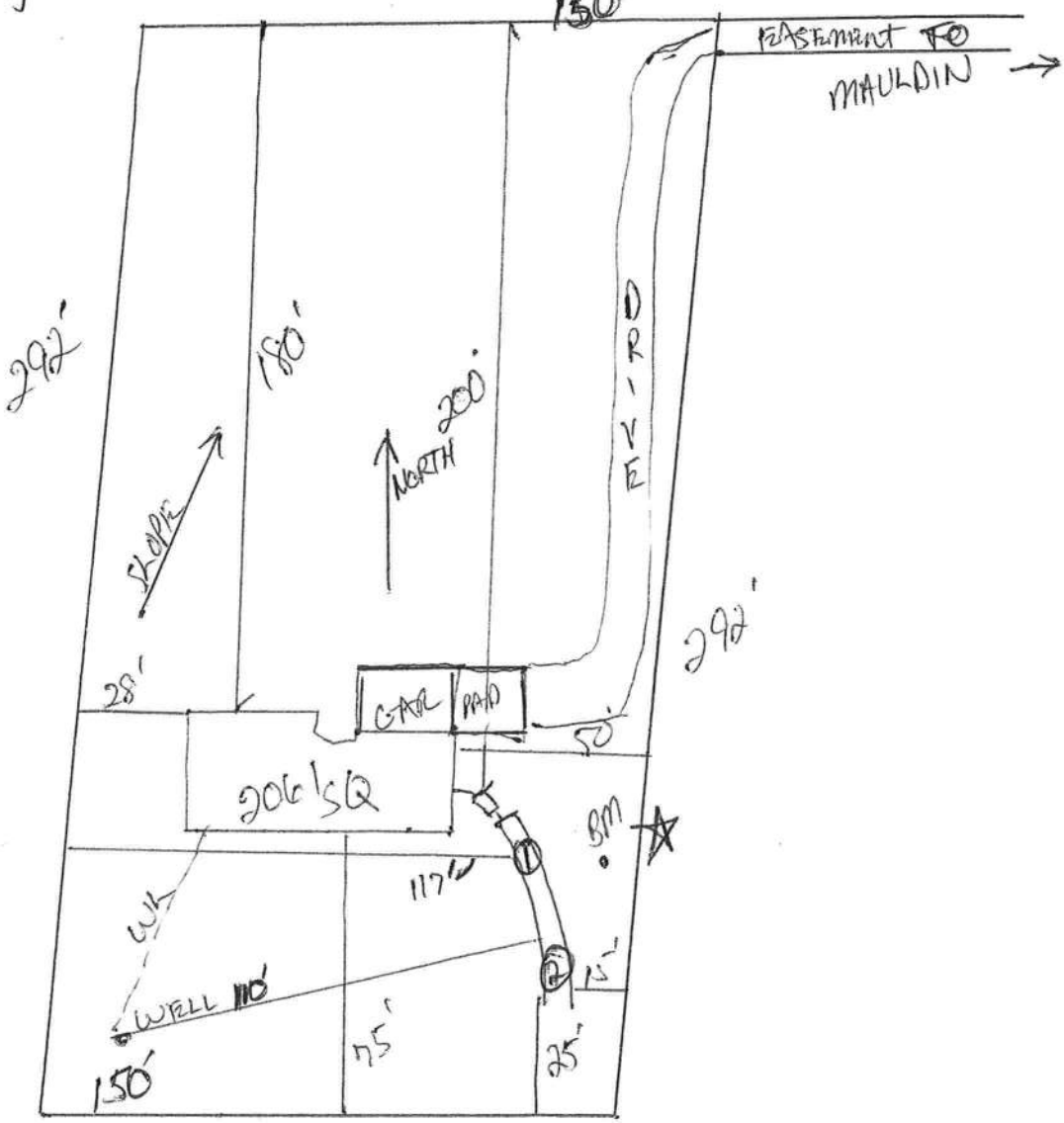
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-0367

KNIGHT

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Rocky Todd MASTER CONTRACTOR

Plan Approved / Not Approved Date 5/5/19

By _____ Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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:	Knight Resident 108 SW Mauldin LC 32024	**BUILDER:**	Haygood Homes, Inc
		PERMITTING OFFICE:	
OWNER:	Jeffrey & Allie C Knight	**PERMIT NO.:**	279627
		JURISDICTION NO.:	221000

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. 2081	
6. Glass type and area:		
a. U-factor	6a. .65	
b. SHGC	6b. .35	
c. Glass area	6c. 117 sq. ft.	
7. Percentage of glass to floor area	7. .060 %	
8. Floor type, area or perimeter, and insulation:		
a. Slab-on-grade (*R*-value)	8a. R= NA 224 lin. ft.	
b. Wood, raised (*R*-value)	8b. R= NA sq. ft.	
c. Wood, common (*R*-value)	8c. R= NA sq. ft.	
d. Concrete, raised (*R*-value)	8d. R= NA sq. ft.	
e. Concrete, common (*R*-value)	8e. R= NA sq. ft.	
9. Wall type, area and insulation:		
a. Exterior: 1. Masonry (Insulation R-value)	9a-1. R= sq. ft.	
a. Exterior: 2. Wood frame (Insulation *R*-value)	9a-2. R= 13 1872 sq. ft.	
b. Adjacent: 1. Masonry (Insulation *R*-value)	9b-1. R= sq. ft.	
b. Adjacent: 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. 2081	
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: 13	
	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: Elect.	
(Types: elec., nat. gas, LP-gas, solar, heat rec., ded. heat pump, other, none)	15b. EF: .90	

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

PREPARED BY: [signature] DATE: 7-8-09

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

OWNER AGENT: [signature] DATE: 7-8-09

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

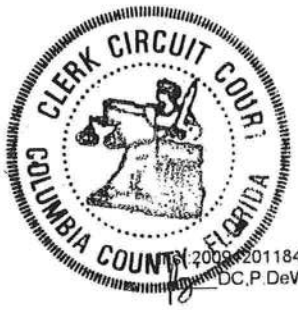
TABLE 11B-1	MINIMUM REQUIREMENTS (See Note 1)	All Climate Zones
BUILDING COMPONENT	**PERFORMANCE CRITERIA**	**INSTALLED VALUES:**
Windows (see Note 2):	U-factor = 0.65 SHGC = 0. 35 % CFA <= 16%	U-factor= .65 SHGC= .35 % of CFA= 1690
Exterior door type	Wood or insulated	Type: Insulated
Walls – Ext. and 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 = 50 EF = .90 Gallons = EF =
Air conditioning systems (see Note 7)	SEER = 13.0	SEER = 13
Heat pump systems (see Note 8)	SEER = 13.0 HSPF = 7.7	SEER = 13 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.	✓

THIS INSTRUMENT PREPARED BY
AND RETURN TO:

MARK E. FEAGLE, ESQUIRE
FEAGLE & FEAGLE, ATTORNEYS, P.A.
153 NE Madison Street
Post Office Box 1653
Lake City, Florida 32056-1653
Florida Bar No. 0576905



STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Bonnie Dow Deputy Clerk
Date July 16, 2009

INST:2009012011842 Date:7/16/2009 Time:4:02 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 3 B:1177 P:574

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property: (legal description of the property, and street address if available)

THAT PART OF:

COMMENCE AT THE NORTHWEST CORNER OF THE NE 1/4, SECTION 33, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE N 89°12'39" E ALONG THE NORTH LINE OF SAID SECTION 33, 1072.76 FEET TO THE POINT OF BEGINNING, THENCE CONTINUE N 89°12'39" E ALONG SAID NORTH LINE, 783.19 FEET, THENCE S 6°58'28" W, 615.81 FEET, THENCE S 89°15'28" W, 782.63 FEET, THENCE N 6°55'52" E, 615.10 FEET TO THE POINT OF BEGINNING.

DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF THE NE 1/4, SECTION 33, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE N 89°12'39" E ALONG THE NORTH LINE OF SAID SECTION 33, 1208.13 FEET TO THE POINT OF BEGINNING, THENCE CONTINUE N 89°12'39" E ALONG SAID NORTH LINE, 150.00 FEET, THENCE S 06°55'52" W, 292.00 FEET, THENCE S 89°12'39" W, 150.00 FEET, THENCE N 06°55'52" E, 292.00 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH A 30 FOOT PERPETUAL EASEMENT FOR INGRESS AND EGRESS FROM MAULDIN ROAD TO THE ABOVE DESCRIBED LANDS, SAID 30.00 FOOT EASEMENT BEING DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF SECTION 33, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, RUN THENCE N 89°12'39" E ALONG THE NORTH LINE OF SAID SECTION 33, 1358.13 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N 89°12'39" E ALONG SAID NORTH LINE 1281.00 FEET TO THE EXISTING WESTERLY RIGHT OF WAY LINE OF MAULDIN ROAD; THENCE S 07°01'04" W ALONG SAID WESTERLY RIGHT OF WAY LINE, 30.28 FEET; THENCE S 89°12'39" W, 1280.96 FEET TO THE EAST LINE OF THE ABOVE DESCRIBED LANDS; THENCE N 06°55'52" E, ALONG SAID EAST LINE, 30.27 FEET TO THE POINT OF BEGINNING.

3. Owner information:

a. Name and address: Jeffrey Knight and his wife, Allie C. Knight
664 SE Country Club Road
Lake City, Florida 32025.

b. Interest in property: Owner

c. Name and address of fee simple titleholder (if other than Owner):
Same as Owner.

4. Contractor: Haygood Homes, Inc.
12592 South U.S. Highway 441
Lake City, Florida 32025
Phone: 386/752-3496.

5. Surety:

a. Name and address: N/A

b. Amount of bond: $_____.

6. Lender: Columbia Bank
Post Office Box 1609
Lake City, Florida 32056-1609.

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 718.13(1)(a)7., Florida Statutes: Jeffrey Knight and his wife, Allie C. Knight
664 SE Country Club Road
Lake City, Florida 32025.

8. In addition to himself, Owner designate: (name and address), to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(a)7., Florida Statutes.
None.

9. Expiration date of notice of commencement (the expiration date is 1 year

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

JEFFREY KNIGHT

ALLIE C. KNIGHT

SWORN TO AND SUBSCRIBED before me this 26th day of June, 2009, by **JEFFREY KNIGHT** and his wife, **ALLIE C. KNIGHT** who are personally know to me or who have produced Florida driver's licenses as identification.

Notary Public, State of Florida

(**NOTARIAL SEAL**)

My Commission Expires: 9-9-11

MARK FEAGLE
Notary Public, State of Florida
My Comm. Expires Sept. 9, 2011
Comm. No. DD 712782

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.) 2081		Total (Sq. Ft.) under roof 3200	IIIIIIII	IIIIIIII	IIIII

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

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

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

Elevations Drawing including:

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

Floor Plan including:

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

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

GENERAL REQUIREMENTS: 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 1000 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 after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

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

Hay Good Homes

Prepared By: Harry Moody

TOTAL HEATING AND COOLING REQUIREMENTS

Page 2

For:

Name: Jeff & Christian Wright

Address:

City: Lake City

(✓) Check Constr. Type	ITEM	AREA SQUARE FEET	DESIGN TEMPERATURE DIFFERENCE 30°	35°	40°	45°	50°	HEATING (BTUH LOSS)	DESIGN TEMP 90°	95°	COOLING MULT. (CIRCLE)	COOLING (BTUH GAIN)
	Gross Wall Area	1791										
	Glass Area (From page 1)	120						6600				5400
	Partitions, Frame											
	Finished 1 side, No Insulation		17	19	22	25	28		6.5		10.0	
	Finished 2 sides, No Insulation		9	11	12	14	16		4.5		6.0	
	Finished 2 sides, R-5		4	5	5.5	6	7		2.5		3.5	
	Finished 2 sides, R-11		2	3	3	4	4		2.0		2.5	
	Other											
	Doors (Excluding glass)											
	No weatherstripping		135	160	180	200	225		10.0		13.0	
	Weatherstripped	126	70	85	95	110	120	11970	10.0		13.0	1638
	R-5 Insulation, No weatherstripping		123	144	164	185	205		4.3		5.5	
	R-5 Insulation, weatherstripping		68	79	90	101	113		4.0		5.0	
	Other											
	Net Exterior Walls											
	CBS Furred, No Insulation		9	10	12	13	14		4.5		6.0	
	CBS Furred, R-3 Insulation		5	6	7	8	8		3.0		4.2	
	CBS Furred, R-4 Insulation		4	5	6	6	7		2.7		3.8	
	CBS Furred, R-5 Insulation		4	5	5	6	6		2.5		3.5	
	Frame, No Insulation		8	9	10	11	13		5.5		7.0	
	Frame, R-11 Insulation	1545	2	2	3	3	4	4635	2.5		3.0	4635
	Frame, R-14 Insulation		1.5	1.7	2	2.5	3		2		2.8	
	Other											
	Ceiling under attic (Roof DK / LT)											
	No Insulation		18	21	24	27	30		9	7	10	8.5
	R-11 Insulation		2.4	2.8	3.2	3.5	3.9		2.5	2	3	2.5
	R-19 Insulation		1.5	1.7	1.9	2.2	2.4		1.5	1.5	2	1.5
	R-22 Insulation		1.2	1.5	1.7	1.9	2.1		1.5	1.0	1.5	1.5
	R-26 Insulation		1.1	1.3	1.4	1.6	1.8		1.3	1	1.5	1.2
	R-30 Insulation	2180	1	1.1	1.3	1.4	1.6	2934	1.1	.9	1.3	1.0	2834
	Other											
	Floor, Concrete Slab	Perimeter Ft.										
	No Edge Insulation		35	40	40	45	45		0		0	
	Other											
	Subtotal							26039				14507
	People @ 300 & Appl. @ 1200											6300
	Sensible BTUH Gain											20907
	Duct BTUH Loss & Gain											
	2 In. Flex. or 1 In. Rigid				.10			2603			.10	2080
	1½ In. Rigid				.075						.075	
	Total BTUH Loss							28642				
	Subtotal BTUH Gain											22887
	× 1.3 = Total BTUH Gain											29754

Calculated Heating Requirements 28642 BTUH

Size of Unit Chosen 30,000 BTUH

% Oversized

% Undersized

Calculated Cooling Requirements 29754 BTUH

Size of Unit Chosen 36,000 BTUH

% Oversized

% Undersized

Location: Project Name: Knight Residence

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

Category/Subcategory	Manufacturer	Product Description	Approval Number
A. EXTERIOR DOORS			FL 4242-R
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			FL 889-R
2. Soffits			FL 4899
3. EIFS		Vinyl Siding D5	FI 4905
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			FL 3820-R1
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys.			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

ory/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			FL 1960-R1
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-R1
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 inspection

Contractor or Contractor's Authorized Agent Signature

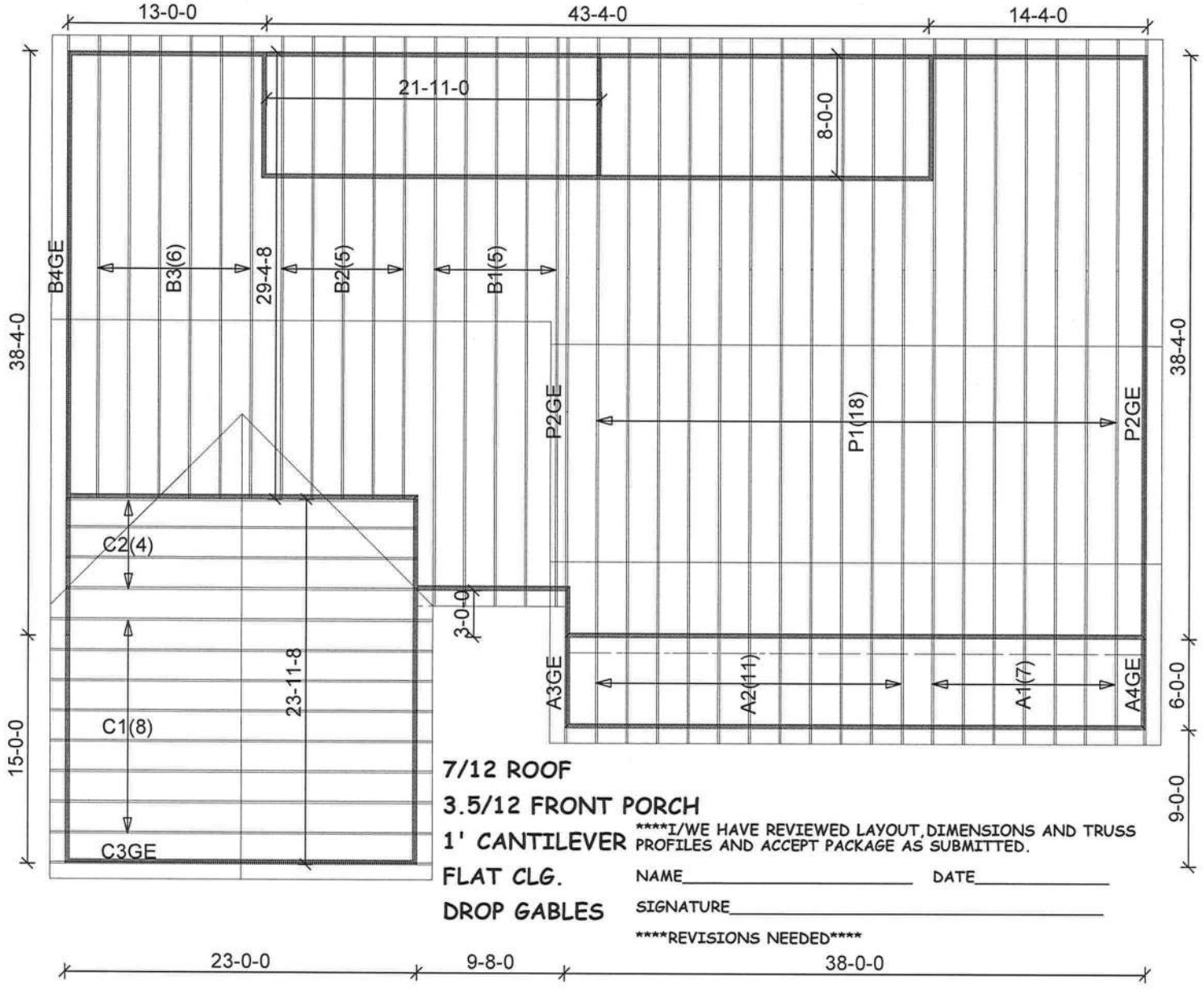
Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

VERIFY LAYOUT, DIMENSIONS AND TRUSS PROFILES



7/12 ROOF

3.5/12 FRONT PORCH

1' CANTILEVER

FLAT CLG.

DROP GABLES

****I/WE HAVE REVIEWED LAYOUT, DIMENSIONS AND TRUSS PROFILES AND ACCEPT PACKAGE AS SUBMITTED.

NAME_____ DATE_____

SIGNATURE_____

****REVISIONS NEEDED****

Mayo Truss Co. Inc.
845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

HAYGOOD HOMES

KNIGHT

LAKE CITY

120 MPH ASCE WIND LOAD

Roof Loading
TC Live: 20.00 psf
TC Dead: 10.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 25.00
BC Stress Inc: 25.00
Spacing: 2- 0- 0 o.c.

Account: CONTRACTORS
Job: HAYGOOD-KNIGHT
Designer: C. LITTLE
Checker:
Date: 06-29-09

RE: HAYGOOD-KNIGHT - ROOF DESIGN INFO

Site Information:

Customer Info: HAYGOOD HOMES Model: KNIGHT
Lot/Block: . Subdivision: .
Address: .
City: LAKE 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: Robbins OnLine Plus 23.0.055□
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 13 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	T3395883	A1	6/26/09
2	T3395884	A2	6/26/09
3	T3395885	A3GE	6/26/09
4	T3395886	A4GE	6/26/09
5	T3395887	B1	6/26/09
6	T3395888	B2	6/26/09
7	T3395889	B3	6/26/09
8	T3395890	B4GE	6/26/09
9	T3395891	C1	6/26/09
10	T3395892	C2	6/26/09
11	T3395893	C3GE	6/26/09
12	T3395894	P1	6/26/09
13	T3395895	P2GE	6/26/09

The truss drawing(s) referenced above have been prepared by Robbins Engineering, 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, 2011.

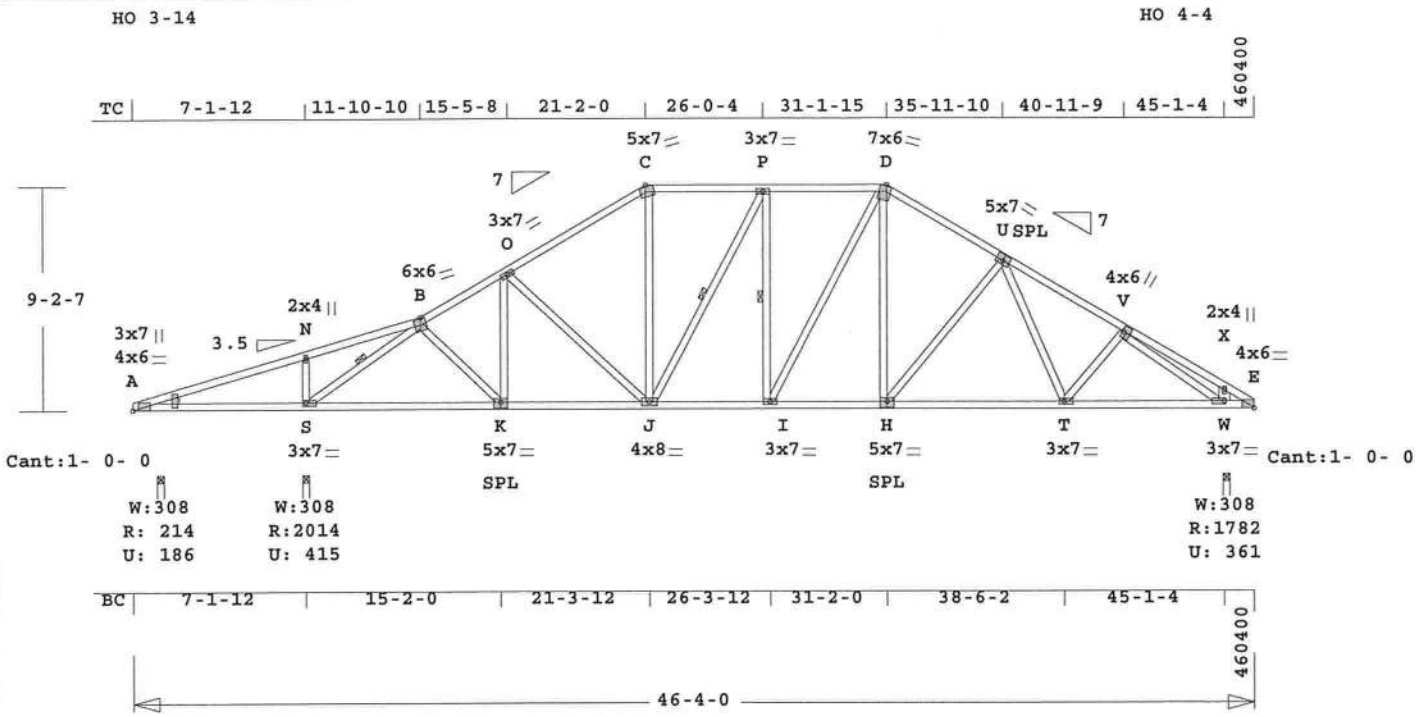
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbinseng.com

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	A1	7	SP	460400	3.5	0	0	T3395883

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 362.7 LBS

```
Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

     CSI -Size- ----Lumber----
TC  0.53  2x 4  SP-#2
BC  0.60  2x 4  SP-#2
WB  0.87  2x 4  SP-#2
--  0.02  2x 6  SP-#2
    W -X
WG   ---  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0 21- 2- 0
 TC   24.0"  21- 2- 0 31- 1-15
 TC  Cont.   31- 1-15 46- 4- 0
 BC  Cont.    0- 0- 0 46- 4- 0
One Continuous Lateral Brace
  S -B   J -P   I -P
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-
A    215   187 U   152 R
S   2014   415 U
W   1783   361 U   226 R

Jt   Brg Size   Required
A       3.5"       1.5"
S       3.5"       2.1"
W       3.5"       1.9"

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  0.53   240 T  0.03  0.50
N -B  0.51   361 T  0.01  0.50
B -O  0.36  2191 C  0.03  0.33
O -C  0.34  1929 C  0.05  0.29
C -P  0.26  1669 C  0.01  0.25
P -D  0.27  1840 C  0.02  0.25
D -U  0.29  2009 C  0.12  0.17
U -V  0.29  2345 C  0.12  0.17
V -X  0.23   270 C  0.00  0.23
X -E  0.23   198 C  0.00  0.23
--------Bottom Chords---------
A -S  0.36   299 C  0.00  0.36
S -K  0.60  1829 T  0.30  0.30
K -J  0.44  1881 T  0.31  0.13
J -I  0.43  1840 T  0.30  0.13
I -H  0.57  1732 T  0.29  0.28
H -T  0.60  1963 T  0.32  0.28
T -W  0.56  1990 T  0.33  0.23
W -E  0.22   189 T  0.02  0.20
------------Webs-------------
S -N  0.05   452 C
S -B  0.38  2392 C        1 Br
B -K  0.02   180 T
K -O  0.03   213 T
O -J  0.33   334 C
J -C  0.29   647 T
J -P  0.14   357 C        1 Br
I -P  0.02   161 T        1 Br
I -D  0.20   225 T
H -D  0.18   534 T
H -U  0.37   403 C
U -T  0.03   226 T
T -V  0.02   128 T
V -W  0.87  2267 C
W -X  0.02   282 C

TL Defl  -0.23" in H -T  L/999
LL Defl  -0.09" in H -T  L/999
LL Cant   0.00" in W -E  L/999
Shear // Grain  in N -B   0.29

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 Ctr 0.1 0.42
A  MT20  3.0x 7.0 Ctr Ctr 0.00
N  MT20  2.0x 4.0 Ctr Ctr 0.23
B  MT20  6.0x 6.0 Ctr Ctr 0.61
O  MT20  3.0x 7.0 Ctr Ctr 0.25
C  MT20  5.0x 7.0 0.9-3.3 0.33
P  MT20  3.0x 7.0 Ctr Ctr 0.25
D  MT20  7.0x 6.0-1.1-4.2 0.52
U  MT20  5.0x 7.0 0.3 0.5 0.44
V  MT20  4.0x 6.0 1.2-0.9 0.88
X  MT20  2.0x 4.0 Ctr Ctr 0.23
E  MT20  4.0x 6.0-0.2 0.2 0.35
S  MT20  3.0x 7.0 Ctr Ctr 0.72
K  MT20  5.0x 7.0 Ctr-0.5 0.41
J  MT20  4.0x 8.0 Ctr Ctr 0.20
I  MT20  3.0x 7.0 Ctr Ctr 0.25
H  MT20  5.0x 7.0 Ctr-0.5 0.39
T  MT20  3.0x 7.0 0.9 Ctr 0.27
W  MT20  3.0x 7.0 Ctr Ctr 0.68

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

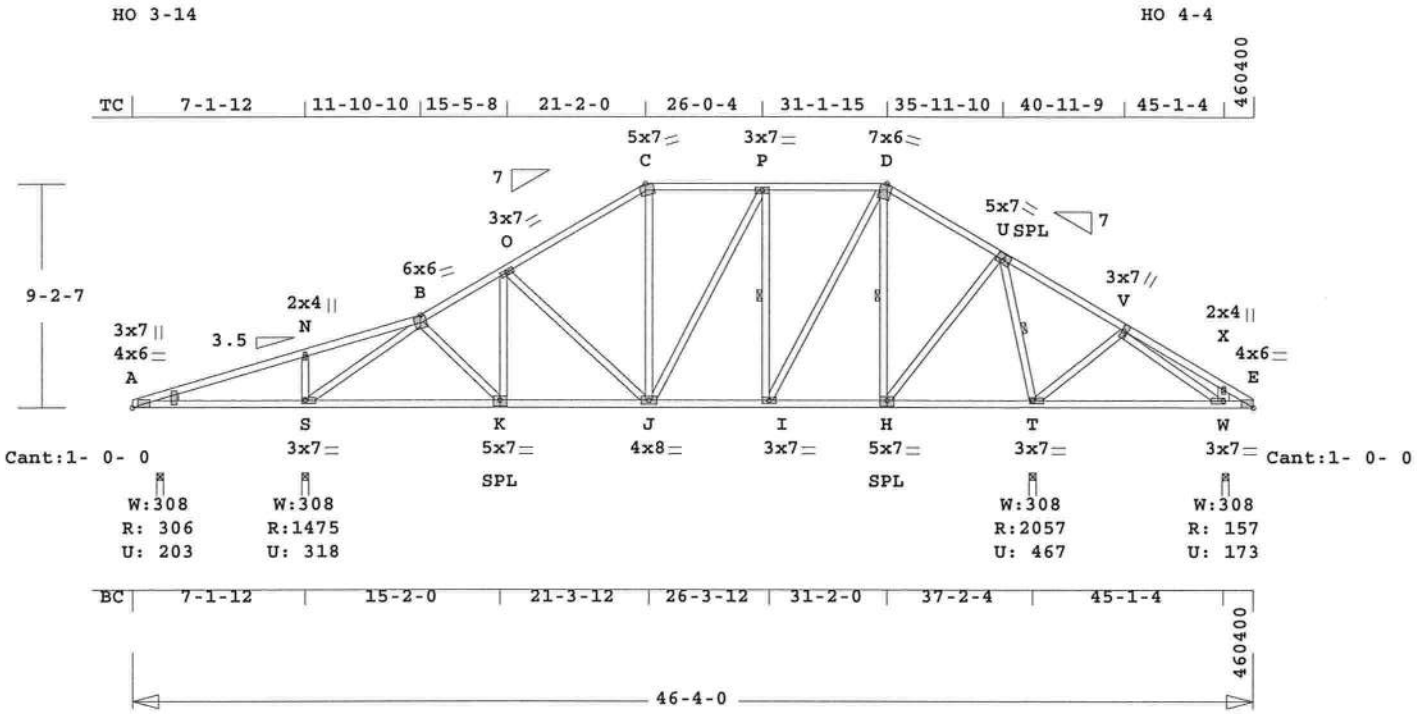
NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
This truss has been designed
  for 20.0  psf LL on the B.C.
  in areas where a rectangle
   3- 6- 0 tall by
   2- 0- 0 wide
  will fit between the B.C.
  and any other member.
Design checked for 10 psf non-
  concurrent 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- 0- 0     7- 1-12
Max comp. force     2392 Lbs
Max tens. force     1990 Lbs
Quality Control Factor 1.25
```


Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	A2	11	SP	460400	3.5	0	0	T3395884

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 363.9 LBS

```
Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

     CSI -Size- ----Lumber----
TC  0.42  2x 4  SP-#2
BC  0.48  2x 4  SP-#2
WB  0.81  2x 4  SP-#2
--  0.01  2x 6  SP-#2
    W -X
WG   ---  2x 4  SP-#2

Brace truss as follows:
      O.C.      From      To
 TC  Cont.    0- 0- 0 21- 2- 0
 TC   24.0"  21- 2- 0 31- 1-15
 TC  Cont.   31- 1-15 46- 4- 0
 BC  Cont.    0- 0- 0 46- 4- 0
One Continuous Lateral Brace
  I -P   H -D   U -T
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-
A    307   203 U   152 R
S   1476   319 U
T   2057   467 U
W    158   173 U   226 R

Jt   Brg Size   Required
A       3.5"       1.5"
S       3.5"       1.6"
T       3.5"       2.2"
W       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  0.42   332 T  0.00  0.42
N -B  0.42   450 T  0.00  0.42
B -O  0.31  1532 C  0.10  0.21
O -C  0.29  1185 C  0.08  0.21
C -P  0.22  1022 C  0.00  0.22
P -D  0.22   948 C  0.00  0.22
D -U  0.25   698 C  0.00  0.25
U -V  0.33   425 T  0.08  0.25
V -X  0.22   340 T  0.00  0.22
X -E  0.11   259 T  0.02  0.09
--------Bottom Chords---------
A -S  0.34   285 C  0.00  0.34
S -K  0.48  1368 T  0.22  0.26
K -J  0.40  1324 T  0.12  0.28
J -I  0.30   948 T  0.15  0.15
I -H  0.28   600 T  0.10  0.18
H -T  0.31   159 C  0.00  0.31
T -W  0.31   135 C  0.00  0.31
W -E  0.29   203 C  0.02  0.27
-------------Webs-------------
S -N  0.05   410 C
S -B  0.81  1541 C
B -K  0.03   229 T
K -O  0.04   277 T
O -J  0.40   408 C
J -C  0.12   282 T
J -P  0.14   181 T
I -P  0.14   439 C        1 Br
I -D  0.49   728 T
H -D  0.18   565 C        1 Br
H -U  0.18   988 T
U -T  0.30  1683 C        1 Br
T -V  0.11   304 T
V -W  0.10   361 T
W -X  0.01   250 C

TL Defl  -0.12" in T -W  L/765
LL Defl  -0.06" in T -W  L/999
LL Cant   0.00" in W -E  L/999
Shear // Grain  in N -B   0.26

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 Ctr 0.1  0.42
A  MT20  3.0x 7.0 Ctr Ctr  0.00
N  MT20  2.0x 4.0 Ctr Ctr  0.23
B  MT20  6.0x 6.0 Ctr Ctr  0.43
O  MT20  3.0x 7.0 Ctr Ctr  0.25
C  MT20  5.0x 7.0 0.9-3.3  0.33
P  MT20  3.0x 7.0 Ctr Ctr  0.25
D  MT20  7.0x 6.0-1.1-4.2  0.52
U  MT20  5.0x 7.0 0.3 0.5  0.53
V  MT20  3.0x 7.0 0.4-0.3  0.35
X  MT20  2.0x 4.0 Ctr Ctr  0.23
E  MT20  4.0x 6.0-0.2 0.2  0.35
S  MT20  3.0x 7.0 Ctr Ctr  0.46
K  MT20  5.0x 7.0 Ctr-0.5  0.39
J  MT20  4.0x 8.0 Ctr Ctr  0.20
I  MT20  3.0x 7.0 Ctr Ctr  0.40
H  MT20  5.0x 7.0 Ctr-0.5  0.39
T  MT20  3.0x 7.0 Ctr Ctr  0.36
W  MT20  3.0x 7.0 Ctr Ctr  0.19

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

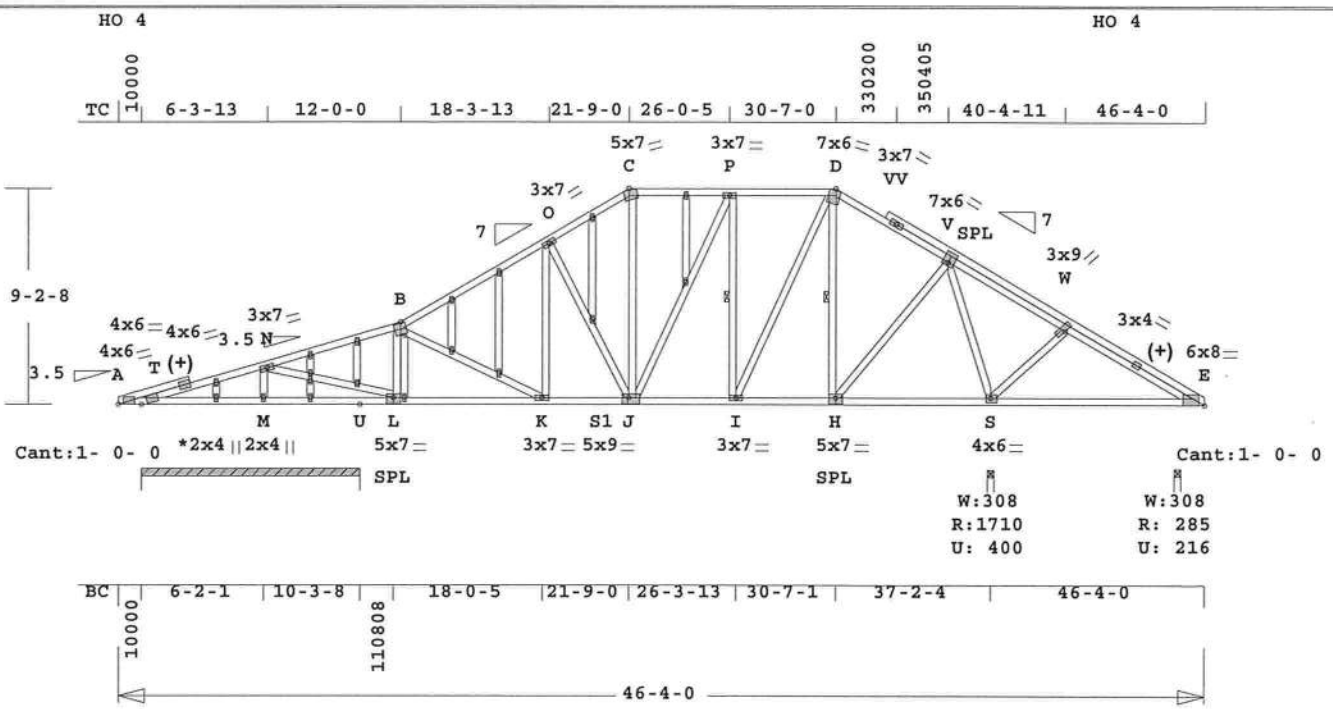
NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
This truss has been designed
  for 20.0  psf LL on the B.C.
  in areas where a rectangle
   3- 6- 0 tall by
   2- 0- 0 wide
  will fit between the B.C.
  and any other member.
Design checked for 10 psf non-
  concurrent 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- 0- 0     7- 1-12
            37- 2- 4    45- 4- 0
Max comp. force     1683 Lbs
Max tens. force     1368 Lbs
Quality Control Factor 1.25
```


Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	*A3GE*	1	SP	460400	3.5	0	0	*T3395885*

KNIGHT



ALL PLATES ARE MT2020

See * For Typical Gable Plate Size and Placement

Scale: 0.121" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 435.0 LBS

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	Size	Lumber
TC	0.39	2x 4	SP-#2 (+)
BC	0.44	2x 4	SP-#2
WB	0.85	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 9- 0
TC	24.0"	21- 9- 0	30- 7- 0
TC	Cont.	30- 7- 0	46- 4- 0
BC	Cont.	0- 0- 0	46- 4- 0

One Continuous Lateral Brace
I -P H -D
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-
U	1739	393 U	159 R
S	1710	400 U	
E	285	217 U	227 R

Jt	Brg Size	Required
U	111.5"	12"-to- 124"
S	3.5"	1.8"
E	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 -N	0.39	166 T	0.03	0.36	
N -FF	0.37	1416 C	0.01	0.36	
FF-O	0.37	1336 C	0.03	0.34	
O -C	0.33	1080 C	0.09	0.24	
C -P	0.19	918 C	0.08	0.11	
P -D	0.19	842 C	0.08	0.11	
D -VV	0.11	638 C	0.07	0.04	
VV-V	0.07	387 C	0.03	0.04	
VV-V	0.07	387 C	0.00	0.07	
V -W	0.09	151 T	0.03	0.06	
V -W	0.10	151 T	0.01	0.09	
W -E	0.34	253 T	0.01	0.33	
Bottom Chords					
A -M	0.16	44 T	0.00	0.16	
M -U	0.34	44 T	0.00	0.34	
U -L	0.34	226 C	0.00	0.34	
L -K	0.44	1371 T	0.23	0.21	
K -S1	0.35	1163 T	0.19	0.16	
S1-I	0.19	842 T	0.14	0.05	
I -H	0.21	589 T	0.07	0.14	
H -S	0.37	193 T	0.02	0.35	
S -E	0.36	213 C	0.01	0.35	
E -E	0.27	213 C	0.00	0.27	
Webs					
M -N	0.11	1205 C			
N -L	0.36	1557 T			
L -FF	0.08	517 C			
FF-K	0.17	242 T			
K -O	0.05	316 T			
O -S1	0.46	508 C			
S1-C	0.28	354 T			
S1-P	0.05	190 T			
I -P	0.14	443 C			1 Br
I -D	0.38	586 T			
H -D	0.15	481 C			1 Br
H -V	0.13	737 T			
V -S	0.85	1372 C			
S -W	0.10	329 C			

TL Defl -0.14" in S -E L/640
LL Defl -0.08" in L -K L/999
LL Cant 0.01" in E -E L/999
Shear // Grain in E -E 0.29

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	Ctr	-0.3	0.44
N	MT20	3.0x 7.0	Ctr	Ctr	0.49
FF	MT20	6.0x 6.0	Ctr	Ctr	0.40
O	MT20	3.0x 7.0	Ctr	Ctr	0.30
C	MT20	5.0x 7.0	0.9	-3.3	0.33
P	MT20	3.0x 7.0	Ctr	Ctr	0.27
D	MT20	7.0x 6.0	-1.1	-4.2	0.55
VV	MT20	3.0x 7.0	Ctr	Ctr	0.77
V	MT20	7.0x 6.0	0.9	1.5	0.48
W	MT20	3.0x 9.0	-1.1	1.2	0.23
E	MT20	6.0x 8.0	-4.1	1.1	0.43
M	MT20	2.0x 4.0	Ctr	Ctr	0.46
L	MT20	5.0x 7.0	Ctr	-0.5	0.59
K	MT20	3.0x 7.0	Ctr	Ctr	0.19
S1	MT20	5.0x 9.0	1.5	-0.5	0.45
I	MT20	3.0x 7.0	Ctr	Ctr	0.34
H	MT20	5.0x 7.0	Ctr	-0.5	0.39
S	MT20	4.0x 6.0	0.5	Ctr	0.36

9 Gable studs to be attached with 2.0x4.0 plates each end.
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

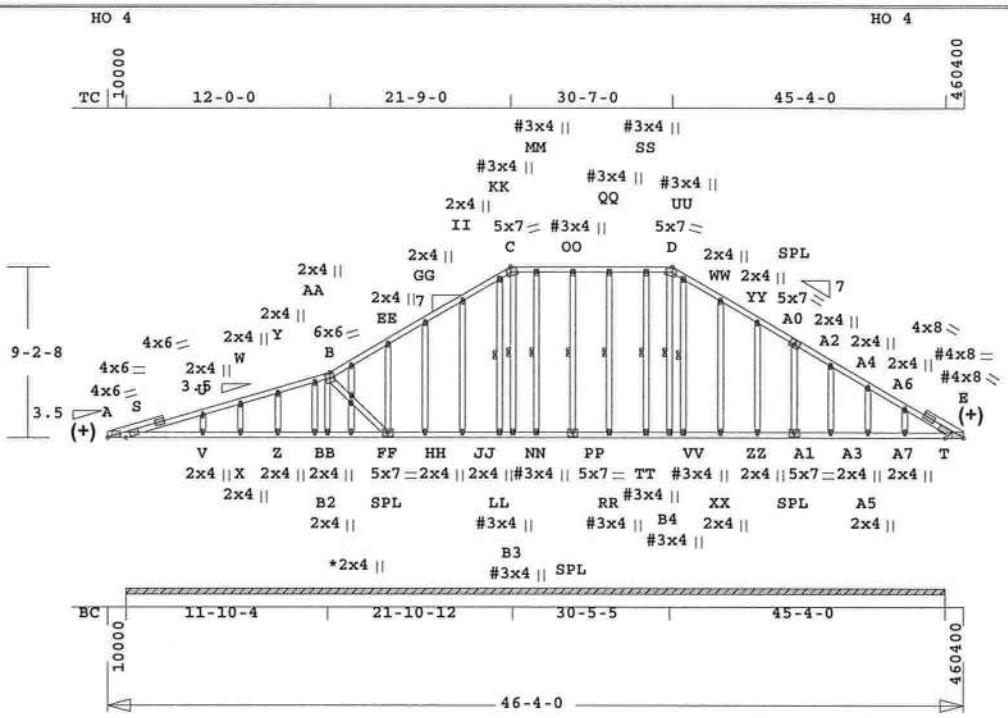
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - 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
User-defined wind-exposed BC regions --From-- ---To---
37- 2- 4 45- 4- 0
Max comp. force 1416 Lbs
Max tens. force 1557 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	A4GE	1	SP	460400	3.5	0	0	T3395886

KNIGHT



ALL PLATES ARE MT2020, # = PLATE SELECTED IN PLATE MONITOR

See * For Typical Gable Plate Size and Placement

Scale: 0.096" = 1'

Robbins Engineering, Inc./Online Plus™

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	-Size-	----Lumber----
TC	0.13	2x 4	SP-#2 (+)
BC	0.14	2x 4	SP-#2
WB	0.03	2x 4	SP-#2
GW	0.12	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 9- 0
TC	24.0"	21- 9- 0	30- 7- 0
TC	Cont.	30- 7- 0	46- 4- 0
BC	Cont.	0- 0- 0	46- 4- 0

One Continuous Lateral Brace
B3-C B4-D LL-KK NN-MM
PP-OO RR-QQ TT-SS VV-UU
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-
S	3707	812 U	227 R

Jt	Brg Size	Required
S	532.0"	12"-to- 544"

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 -U	0.13	121 C	0.00 0.13
U -W	0.13	139 C	0.00 0.13
W -Y	0.04	128 C	0.00 0.04
Y -AA	0.04	132 C	0.00 0.04
AA-B	0.06	125 T	0.01 0.05
B -EE	0.08	104 C	0.00 0.08
EE-GG	0.08	101 T	0.00 0.08
GG-II	0.05	161 T	0.02 0.03
II-KK	0.06	237 T	0.03 0.03
KK-C	0.04	267 T	0.03 0.01
C -MM	0.03	251 T	0.03 0.00
MM-OO	0.05	251 T	0.03 0.02
OO-QQ	0.05	251 T	0.03 0.02
QQ-SS	0.05	251 T	0.03 0.02
SS-D	0.03	251 T	0.03 0.00
D -UU	0.04	264 T	0.03 0.01
UU-WW	0.06	238 T	0.03 0.03
WW-YY	0.05	163 T	0.02 0.03
YY-A0	0.03	93 T	0.00 0.03
A0-A2	0.03	50 C	0.00 0.03
A2-A4	0.03	66 C	0.00 0.03
A4-A6	0.06	124 C	0.01 0.05
A6-E	0.07	192 C	0.02 0.05
Bottom Chords			
A -V	0.14	15 T	0.00 0.14
V -X	0.09	0 T	0.00 0.09
X -Z	0.02	0 T	0.00 0.02
Z -BB	0.02	0 T	0.00 0.02
BB-B2	0.04	0 T	0.00 0.04
B2-FF	0.04	0 T	0.00 0.04
FF-HH	0.04	0 T	0.00 0.04
HH-JJ	0.02	0 T	0.00 0.02
JJ-LL	0.02	0 T	0.00 0.02
LL-B3	0.01	0 T	0.00 0.01
B3-NN	0.01	0 T	0.00 0.01
NN-PP	0.02	0 T	0.00 0.02
PP-RR	0.02	0 T	0.00 0.02
RR-TT	0.02	0 T	0.00 0.02
TT-B4	0.01	0 T	0.00 0.01
B4-VV	0.01	0 T	0.00 0.01
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-E	0.08	11 T	0.00 0.08
Webs			
B2-B	0.01	83 C	
B -FF	0.03	253 T	
B3-C	0.02	67 C	1 Br
B4-D	0.01	61 C	1 Br
Gable Webs			
V -U	0.03	243 T	
X -W	0.01	81 C	
Z -Y	0.01	132 C	
BB-AA	0.00	46 C	
FF-EE	0.08	205 C	
HH-GG	0.06	113 C	
JJ-II	0.12	148 C	
LL-KK	0.02	77 C	1 Br
NN-MM	0.03	99 C	1 Br
PP-OO	0.04	124 C	1 Br
RR-QQ	0.04	124 C	1 Br
TT-SS	0.03	99 C	1 Br
VV-UU	0.02	77 C	1 Br
XX-WW	0.12	146 C	
ZZ-YY	0.08	134 C	
A1-A0	0.05	135 C	
A3-A2	0.03	137 C	
A5-A4	0.01	124 C	
A7-A6	0.01	157 C	

TL Defl -0.01" in S -V L/999
LL Defl -0.01" in S -V L/999
Shear // Grain in S -U 0.16

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	Ctr	-0.3	0.44
U	MT20	2.0x 4.0	Ctr	Ctr	0.23
W	MT20	2.0x 4.0	Ctr	Ctr	0.23
Y	MT20	2.0x 4.0	Ctr	Ctr	0.23
AA	MT20	2.0x 4.0	Ctr	Ctr	0.23

APPROX. TRUSS WEIGHT: 437.1 LBS

B	MT20	6.0x 6.0	Ctr	Ctr	0.40
EE	MT20	2.0x 4.0	Ctr	Ctr	0.23
GG	MT20	2.0x 4.0	Ctr	Ctr	0.23
II	MT20	2.0x 4.0	Ctr	Ctr	0.23
KK#	MT20	3.0x 4.0	Ctr	Ctr	0.15
C	MT20	5.0x 7.0	0.9	-3.3	0.33
MM#	MT20	3.0x 4.0	Ctr	Ctr	0.19
OO#	MT20	3.0x 4.0	Ctr	Ctr	0.19
QQ#	MT20	3.0x 4.0	Ctr	Ctr	0.19
SS#	MT20	3.0x 4.0	Ctr	Ctr	0.19
D	MT20	5.0x 7.0	-0.9	-3.3	0.33
UU#	MT20	3.0x 4.0	Ctr	Ctr	0.15
WW	MT20	2.0x 4.0	Ctr	Ctr	0.23
YY	MT20	2.0x 4.0	Ctr	Ctr	0.23
A0	MT20	5.0x 7.0	0.3	0.5	0.38
A2	MT20	2.0x 4.0	Ctr	Ctr	0.23
A4	MT20	2.0x 4.0	Ctr	Ctr	0.23
A6	MT20	2.0x 4.0	Ctr	Ctr	0.23
E	MT20	4.0x 8.0	-3.1	1.6	0.53
V	MT20	2.0x 4.0	Ctr	Ctr	0.29
X	MT20	2.0x 4.0	Ctr	Ctr	0.29
Z	MT20	2.0x 4.0	Ctr	Ctr	0.29
BB	MT20	2.0x 4.0	Ctr	Ctr	0.29
B2	MT20	2.0x 4.0	Ctr	Ctr	0.29
FF	MT20	5.0x 7.0	Ctr	-0.5	0.44
HH	MT20	2.0x 4.0	Ctr	Ctr	0.29
JJ	MT20	2.0x 4.0	Ctr	Ctr	0.29
LL#	MT20	3.0x 4.0	Ctr	Ctr	0.19
B3#	MT20	3.0x 4.0	Ctr	Ctr	0.19
NN#	MT20	3.0x 4.0	Ctr	Ctr	0.19
PP	MT20	5.0x 7.0	Ctr	-0.5	0.39
RR#	MT20	3.0x 4.0	Ctr	Ctr	0.19
TT#	MT20	3.0x 4.0	Ctr	Ctr	0.19
B4#	MT20	3.0x 4.0	Ctr	Ctr	0.19
VV#	MT20	3.0x 4.0	Ctr	Ctr	0.19
XX	MT20	2.0x 4.0	Ctr	Ctr	0.29
ZZ	MT20	2.0x 4.0	Ctr	Ctr	0.29
A1	MT20	5.0x 7.0	Ctr	-0.5	0.39
A3	MT20	2.0x 4.0	Ctr	Ctr	0.29
A5	MT20	2.0x 4.0	Ctr	Ctr	0.29
A7	MT20	2.0x 4.0	Ctr	Ctr	0.29

= Plate Monitor used
2 Gable studs to be attached with 2.0x4.0 plates each end.
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
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.

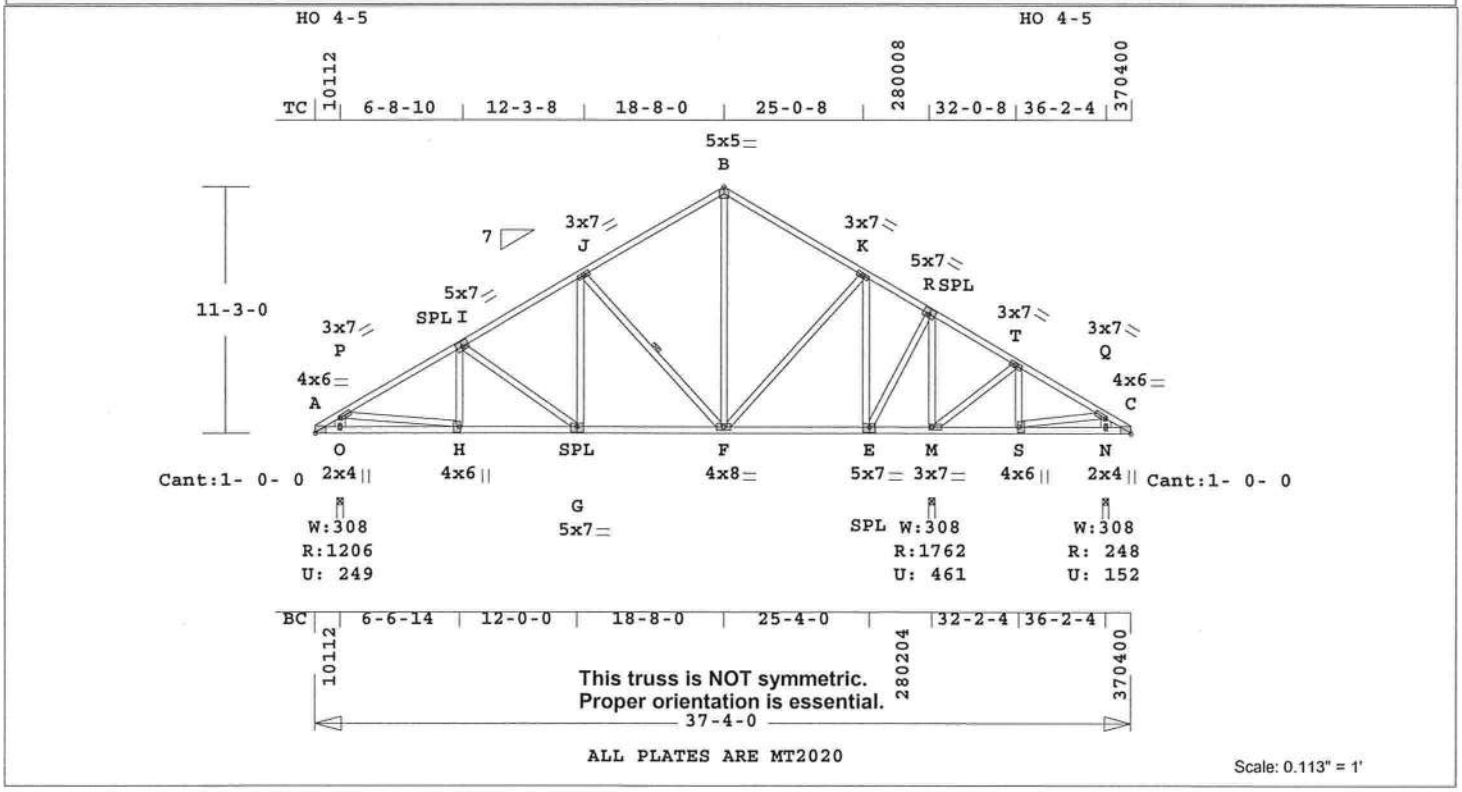
Refer to Gen Det 3 series for web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 231 Lbs
Max tens. force 267 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	*B1*	5	TR	370400	7	0	0	*T3395887*

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 307.4 LBS

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Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

     CSI -Size- ----Lumber----
TC  0.35  2x 4  SP-#2
BC  0.43  2x 4  SP-#2
WB  0.68  2x 4  SP-#2
--  0.06  2x 6  SP-#2
    O -P   N -Q

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0 37- 4- 0
 BC  Cont.    0- 0- 0 37- 4- 0
One Continuous Lateral Brace
  J -F
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   1206   249 U   278 R
M   1762   462 U
N    248   153 U   278 R

Jt   Brg Size   Required
O       3.5"       1.5"
M       3.5"       1.9"
N       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 -P  0.25   191 C  0.00  0.25
P -I  0.26  1483 C  0.01  0.25
I -J  0.35  1238 C  0.00  0.35
J -B  0.35   737 C  0.00  0.35
B -K  0.31   735 C  0.01  0.30
K -R  0.30   366 C  0.00  0.30
R -T  0.20   269 T  0.03  0.17
T -Q  0.17   137 T  0.00  0.17
Q -C  0.09    40 T  0.00  0.09
--------Bottom Chords---------
A -O  0.17   221 T  0.02  0.15
O -H  0.17   369 T  0.02  0.15
H -G  0.40  1280 T  0.21  0.19
G -F  0.43  1075 T  0.18  0.25
F -E  0.30   333 T  0.05  0.25
E -M  0.18   296 C  0.00  0.18
M -S  0.09   165 T  0.00  0.09
S -N  0.09   263 T  0.00  0.09
N -C  0.06    38 C  0.00  0.06
-------------Webs-------------
O -P  0.06  1084 C
P -H  0.19  1068 T
H -I  0.01   118 T
I -G  0.21   309 C
G -J  0.06   361 T
J -F  0.24   654 C        1 Br
F -B  0.33   352 T
F -K  0.08   444 T
E -K  0.65   827 C
E -R  0.21  1175 T
M -R  0.68  1518 C
M -T  0.12   400 T
S -T  0.02   171 T
S -Q  0.03   151 C
N -Q  0.01   184 C

TL Defl  -0.13" in G -F  L/999
LL Defl  -0.07" in G -F  L/999
LL Cant   0.00" in A -O  L/999
Shear // Grain  in J -B   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 6.0 0.2 0.1 0.36
P  MT20  3.0x 7.0 Ctr Ctr 0.35
I  MT20  5.0x 7.0-0.3 0.5 0.38
J  MT20  3.0x 7.0 Ctr Ctr 0.27
B  MT20  5.0x 5.0 Ctr Ctr 0.34
K  MT20  3.0x 7.0 Ctr Ctr 0.27
R  MT20  5.0x 7.0 0.3 0.5 0.56
T  MT20  3.0x 7.0 Ctr Ctr 0.23
Q  MT20  3.0x 7.0 Ctr Ctr 0.20
C  MT20  4.0x 6.0-0.2 0.1 0.36
O  MT20  2.0x 4.0 Ctr Ctr 0.35
H  MT20  4.0x 6.0-1.2 0.1 0.49
G  MT20  5.0x 7.0 Ctr-0.5 0.39
F  MT20  4.0x 8.0 Ctr Ctr 0.19
E  MT20  5.0x 7.0 Ctr-0.5 0.45
M  MT20  3.0x 7.0 Ctr Ctr 0.30
S  MT20  4.0x 6.0 1.2 0.1 0.21
N  MT20  2.0x 4.0 Ctr Ctr 0.29

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

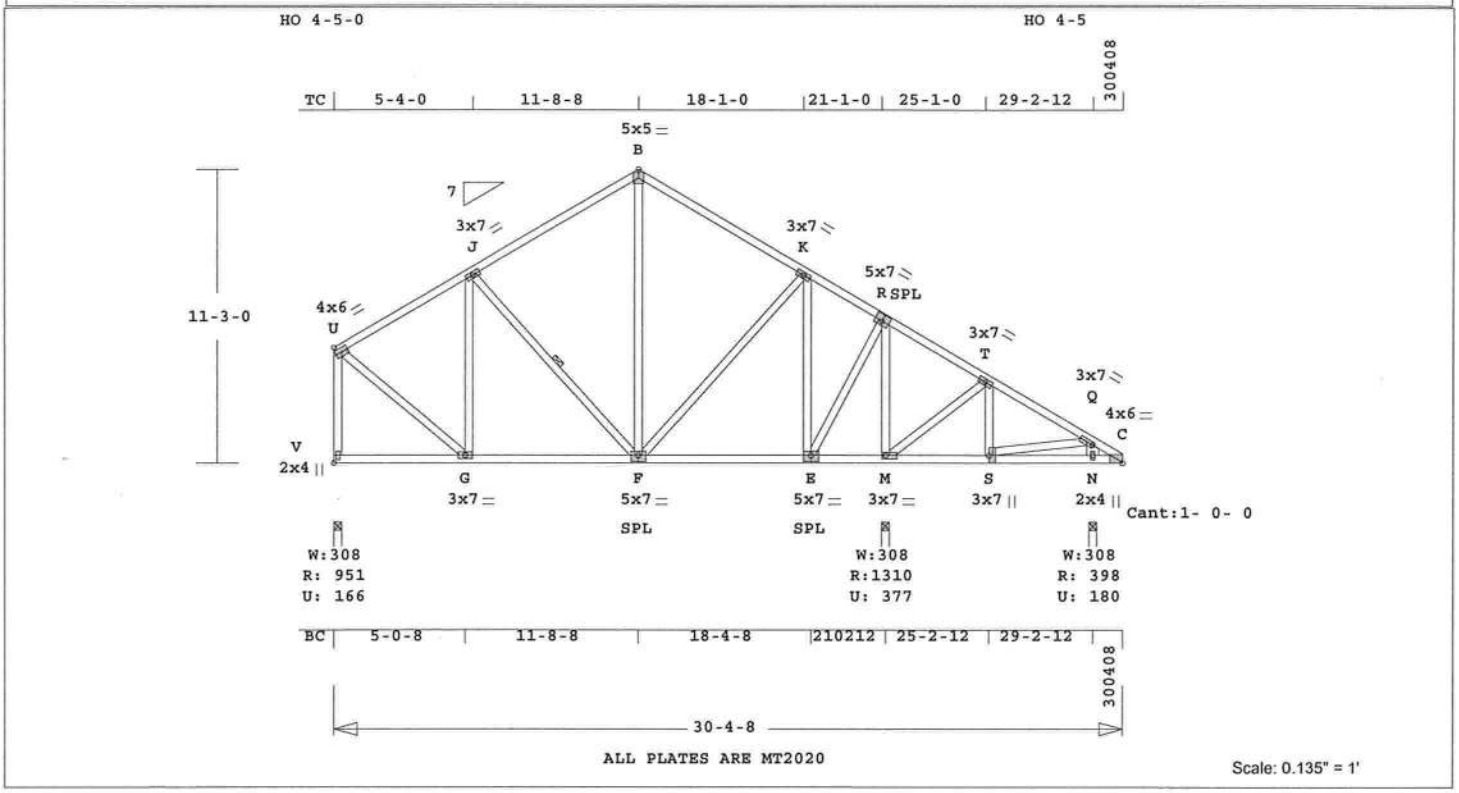
NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
This truss has been designed
  for 20.0  psf LL on the B.C.
  in areas where a rectangle
   3- 6- 0 tall by
   2- 0- 0 wide
  will fit between the B.C.
  and any other member.
Design checked for 10 psf non-
  concurrent 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---
           28- 2- 4   36- 4- 0
Max comp. force     1518 Lbs
Max tens. force     1280 Lbs
Quality Control Factor 1.25
```


Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	*B2*	5	TR	300408	7	0	0	*T3395888*

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.1 LBS

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	Size	Lumber
TC	0.38	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
WB	0.49	2x 4	SP-#2
--	0.02	2x 6	SP-#2
	N -Q		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	30- 4- 8
BC	Cont.	0- 0- 0	30- 4- 8

One Continuous Lateral Brace
J -F
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-
V	951	167 U	341 R
M	1310	378 U	
N	398	180 U	248 R

Jt	Brg Size	Required
V	3.5"	1.5"
M	3.5"	1.5"
N	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				
U -J	0.38	634 C	0.00	0.38
J -B	0.38	561 C	0.00	0.38
B -K	0.30	557 C	0.00	0.30
K -R	0.30	413 C	0.00	0.30
R -T	0.17	78 T	0.00	0.17
T -Q	0.17	243 C	0.00	0.17
Q -C	0.10	48 T	0.00	0.10
Bottom Chords				
V -G	0.20	275 T	0.00	0.20
G -F	0.34	566 T	0.09	0.25
F -E	0.31	375 T	0.06	0.25
E -M	0.18	215 T	0.00	0.18
M -S	0.09	213 T	0.00	0.09
S -N	0.09	237 T	0.00	0.09
N -C	0.06	45 C	0.00	0.06
Webs				
V -U	0.25	918 C	WindLd	
U -G	0.13	735 T		
G -J	0.19	250 C		
J -F	0.07	208 C		1 Br
F -B	0.22	230 T		
F -K	0.05	154 T		
E -K	0.39	503 C		
E -R	0.14	807 T		
M -R	0.49	1090 C		
M -T	0.10	409 T		
S -T	0.02	177 C		
S -Q	0.03	173 T		
N -Q	0.02	328 C		

TL Defl -0.08" in F -E L/999
LL Defl -0.05" in G -F L/999
Shear // Grain in J -B 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
U	MT20	4.0x 6.0	0.1	0.1	0.26
J	MT20	3.0x 7.0	Ctr	Ctr	0.27
B	MT20	5.0x 5.0	Ctr	Ctr	0.34
K	MT20	3.0x 7.0	Ctr	Ctr	0.27
R	MT20	5.0x 7.0	0.3	0.5	0.41
T	MT20	3.0x 7.0	Ctr	Ctr	0.23
Q	MT20	3.0x 7.0	Ctr	Ctr	0.20
C	MT20	4.0x 6.0	-0.2	0.1	0.36
V	MT20	2.0x 4.0	Ctr	Ctr	0.29
G	MT20	3.0x 7.0	Ctr	Ctr	0.27
F	MT20	5.0x 7.0	Ctr	-0.5	0.44
E	MT20	5.0x 7.0	Ctr	-0.5	0.43
M	MT20	3.0x 7.0	Ctr	Ctr	0.22
S	MT20	3.0x 7.0	1.5	0.2	0.22
N	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

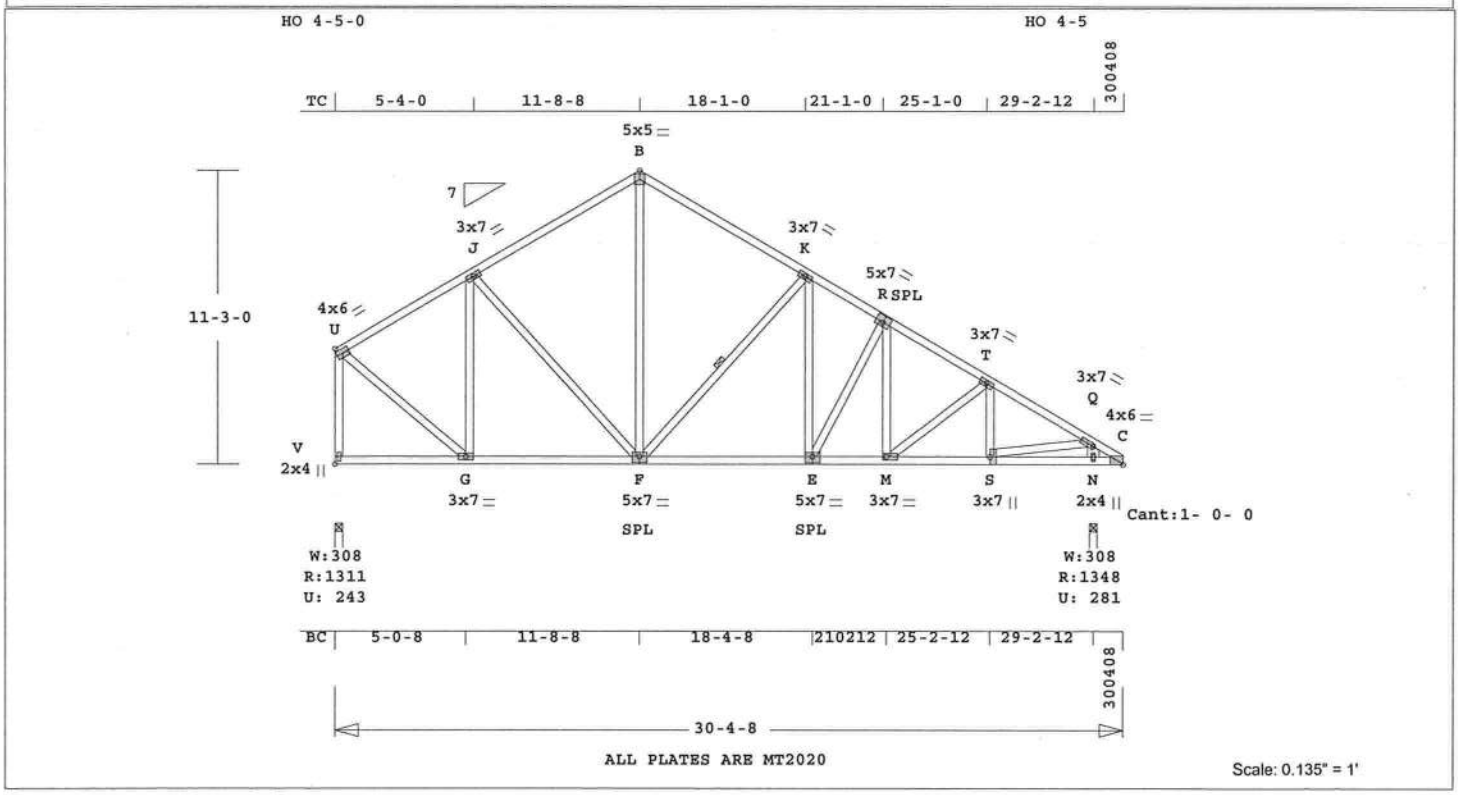
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - 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---
21- 2-12 29- 4- 8
Max comp. force 1090 Lbs
Max tens. force 807 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	*B3*	6	TR	300408	7	0	0	*T3395889*

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.1 LBS

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	-Size-	----Lumber----
TC	0.37	2x 4	SP-#2
BC	0.46	2x 4	SP-#2
WB	0.56	2x 4	SP-#2
--	0.07	2x 6	SP-#2
	N -Q		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	30- 4- 8
BC	Cont.	0- 0- 0	30- 4- 8

One Continuous Lateral Brace
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-
V	1312	244 U	341 R
N	1348	281 U	248 R

Jt	Brg Size	Required
V	3.5"	1.5"
N	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			
U -J	0.37	929 C	0.00 0.37
J -B	0.37	1002 C	0.00 0.37
B -K	0.31	999 C	0.01 0.30
K -R	0.32	1470 C	0.08 0.24
R -T	0.20	1613 C	0.08 0.12
T -Q	0.20	1679 C	0.08 0.12
Q -C	0.15	120 C	0.00 0.15
Bottom Chords			
V -G	0.20	275 T	0.00 0.20
G -F	0.38	820 T	0.13 0.25
F -E	0.46	1290 T	0.21 0.25
E -M	0.41	1389 T	0.23 0.18
M -S	0.30	1449 T	0.24 0.06
S -N	0.12	293 T	0.02 0.10
N -C	0.12	121 T	0.02 0.10
Webs			
V -U	0.35	1279 C	WindLd
U -G	0.19	1066 T	
G -J	0.36	462 C	
J -F	0.17	143 T	
F -B	0.56	619 T	
F -K	0.23	635 C	1 Br
E -K	0.07	387 T	
E -R	0.14	253 C	
M -R	0.02	153 T	
M -T	0.05	150 C	
S -T	0.02	166 C	
S -Q	0.24	1348 T	
N -Q	0.07	1237 C	

TL Defl -0.14" in F -E L/999
LL Defl -0.08" in F -E L/999
LL Cant 0.00" in N -C L/999
Shear // Grain in J -B 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
U	MT20	4.0x 6.0	0.1	0.1	0.38
J	MT20	3.0x 7.0	Ctr	Ctr	0.27
B	MT20	5.0x 5.0	Ctr	Ctr	0.34
K	MT20	3.0x 7.0	Ctr	Ctr	0.27
R	MT20	5.0x 7.0	0.3	0.5	0.41
T	MT20	3.0x 7.0	Ctr	Ctr	0.23
Q	MT20	3.0x 7.0	Ctr	Ctr	0.42
C	MT20	4.0x 6.0	-0.2	0.1	0.36
V	MT20	2.0x 4.0	Ctr	Ctr	0.32
G	MT20	3.0x 7.0	Ctr	Ctr	0.39
F	MT20	5.0x 7.0	Ctr	-0.5	0.44
E	MT20	5.0x 7.0	Ctr	-0.5	0.43
M	MT20	3.0x 7.0	Ctr	Ctr	0.19
S	MT20	3.0x 7.0	1.5	0.2	0.69
N	MT20	2.0x 4.0	Ctr	Ctr	0.36

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

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

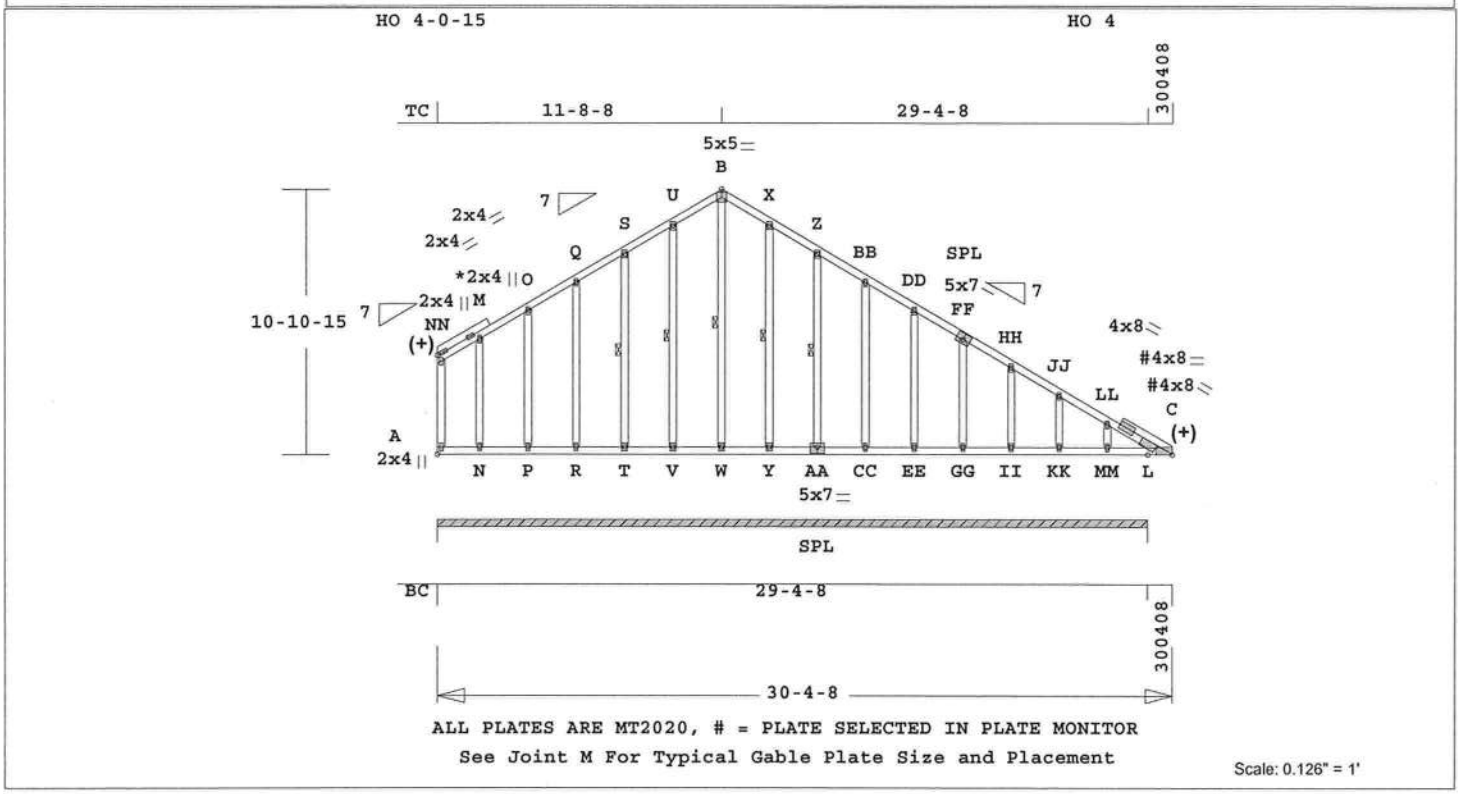
Analysis Conforms To:
FBC2007
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components 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 1679 Lbs
Max tens. force 1449 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	*B4GE*	1	SP	300408	7	0	0	*T3395890*

KNIGHT



Robbins Engineering, Inc./Online Plus™

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	-Size-	----Lumber----
TC	0.08	2x 4	SP-#2 (+)
BC	0.09	2x 4	SP-#2
WB	0.11	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	30- 4- 8
BC	Cont.	0- 0- 0	30- 4- 8

One Continuous Lateral Brace
T -S V -U W -B Y -X
AA-Z
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-
A	2430	525 U	325 R

Jt	Brg Size	Required
A	352.5"	0"-to- 353"

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			
NN-M	0.05	118 T	0.01 0.04
M -O	0.05	166 T	0.02 0.03
O -Q	0.06	234 T	0.03 0.03
Q -S	0.07	302 T	0.04 0.03
S -U	0.06	374 T	0.04 0.02
U -B	0.08	433 T	0.05 0.03
B -X	0.08	434 T	0.05 0.03
X -Z	0.07	374 T	0.04 0.03
Z -BB	0.06	300 T	0.04 0.02
BB-DD	0.05	231 T	0.03 0.02
DD-FF	0.04	209 C	0.02 0.02
FF-HH	0.03	223 C	0.00 0.03
HH-JJ	0.03	236 C	0.00 0.03
JJ-LL	0.03	243 C	0.00 0.03
LL-C	0.06	208 C	0.02 0.04
Bottom Chords			
A -NN	0.09	0 T	0.00 0.09
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 -V	0.02	0 T	0.00 0.02
V -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-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-C	0.05	11 T	0.00 0.05
Webs			
A -NN	0.11	104 C	0.01 0.10
Gable Webs			
N -M	0.03	111 C	0.01 0.02
P -O	0.02	138 C	0.01 0.01
R -Q	0.02	134 C	0.01 0.01
T -S	0.01	141 C	0.01 0.00
V -U	0.02	124 C	0.01 0.01
W -B	0.03	334 C	0.03 0.00
Y -X	0.01	124 C	0.01 0.00
AA-Z	0.01	141 C	0.01 0.00
CC-BB	0.01	134 C	0.01 0.00
EE-DD	0.01	135 C	0.01 0.00
GG-FF	0.01	135 C	0.01 0.00
II-HH	0.01	135 C	0.00 0.01
KK-JJ	0.01	134 C	0.00 0.01
MM-LL	0.03	122 C	0.00 0.03

TL Defl 0.00" in MM-L L/999
LL Defl 0.00" in N -P L/999
Shear // Grain in U -B 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
NN	MT20	2.0x 4.0	Ctr	Ctr	0.23
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
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	5.0x 5.0	Ctr	Ctr	0.34
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
FF	MT20	5.0x 7.0	0.3	0.5	0.38
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
C	MT20	4.0x 8.0	-3.0	1.5	0.51
A	MT20	2.0x 4.0	Ctr	Ctr	0.29

APPROX. TRUSS WEIGHT: 300.9 LBS

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
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
Y	MT20	2.0x 4.0	Ctr	Ctr	0.00
AA	MT20	5.0x 7.0	Ctr	-0.5	0.39
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	2.0x 4.0	Ctr	Ctr	0.00
KK	MT20	2.0x 4.0	Ctr	Ctr	0.00
MM	MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

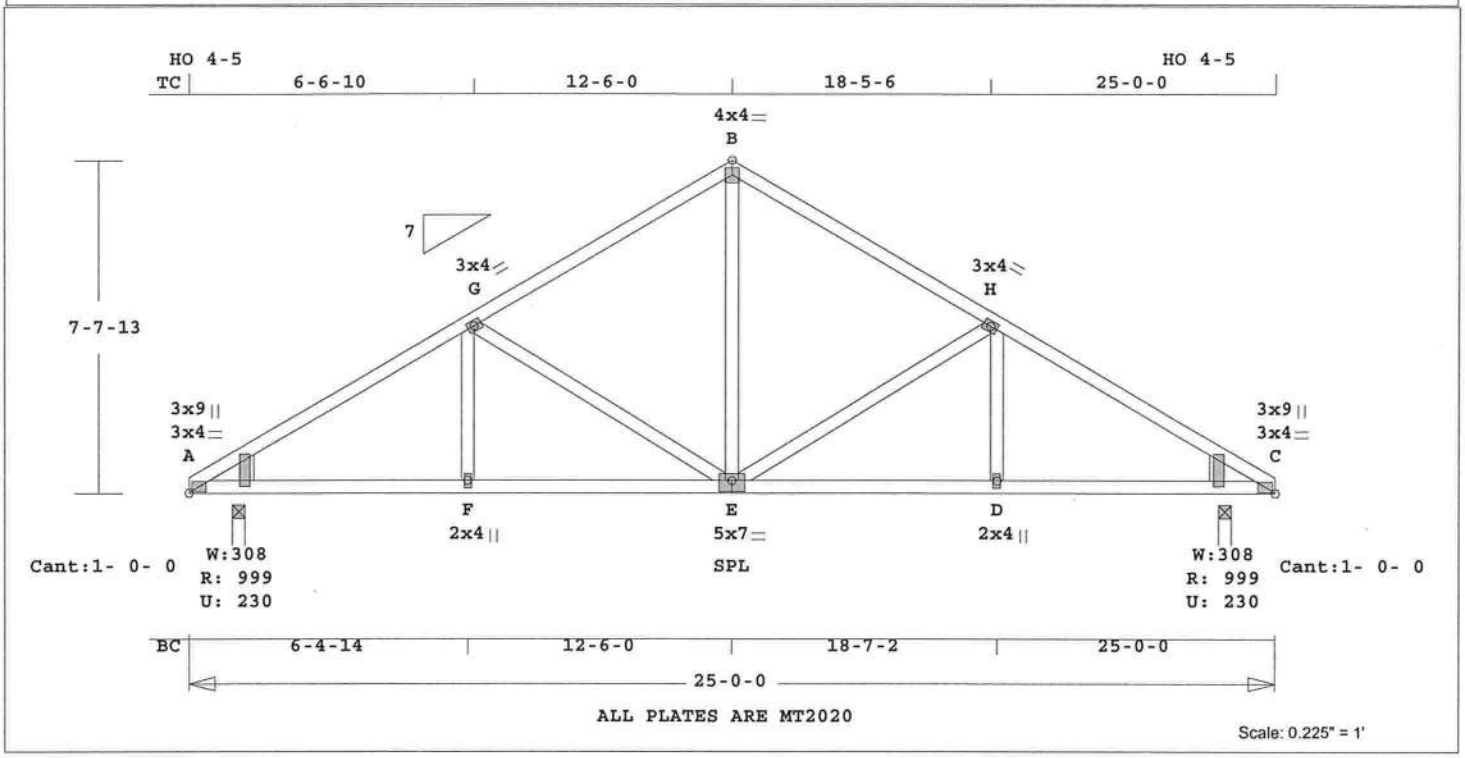
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
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 367 Lbs
Max tens. force 434 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	*C1*	8	TR	250000	7	0	0	*T3395891*

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 162.7 LBS

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2
BC	0.64	2x 4	SP-#2
WB	0.26	2x 4	SP-#2
WG	---	2x 8	SP-2400f-2.0E

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-
A	1000	231 U	176 R
C	1000	231 U	176 R

Jt	Brg Size	Required
A	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 -G	0.52	1189 C	0.01 0.51
G -B	0.30	867 C	0.01 0.29
B -H	0.30	867 C	0.01 0.29
H -C	0.52	1189 C	0.01 0.51
Bottom Chords			
A -F	0.64	1011 T	0.16 0.48
F -E	0.36	1011 T	0.16 0.20
E -D	0.36	1011 T	0.16 0.20
D -C	0.64	1011 T	0.16 0.48
Webs			
F -G	0.02	162 T	
G -E	0.26	351 C	
E -B	0.17	518 T	
E -H	0.26	351 C	
D -H	0.02	162 T	

TL Defl -0.16" in F -E L/999
LL Defl -0.07" in F -E L/999
Shear // Grain in A -G 0.20

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	0.54
A	MT20	3.0x 9.0	Ctr	Ctr	0.00
G	MT20	3.0x 4.0	Ctr	Ctr	0.38
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
H	MT20	3.0x 4.0	Ctr	Ctr	0.38
C	MT20	3.0x 4.0	Ctr	Ctr	0.54
C	MT20	3.0x 9.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.44
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

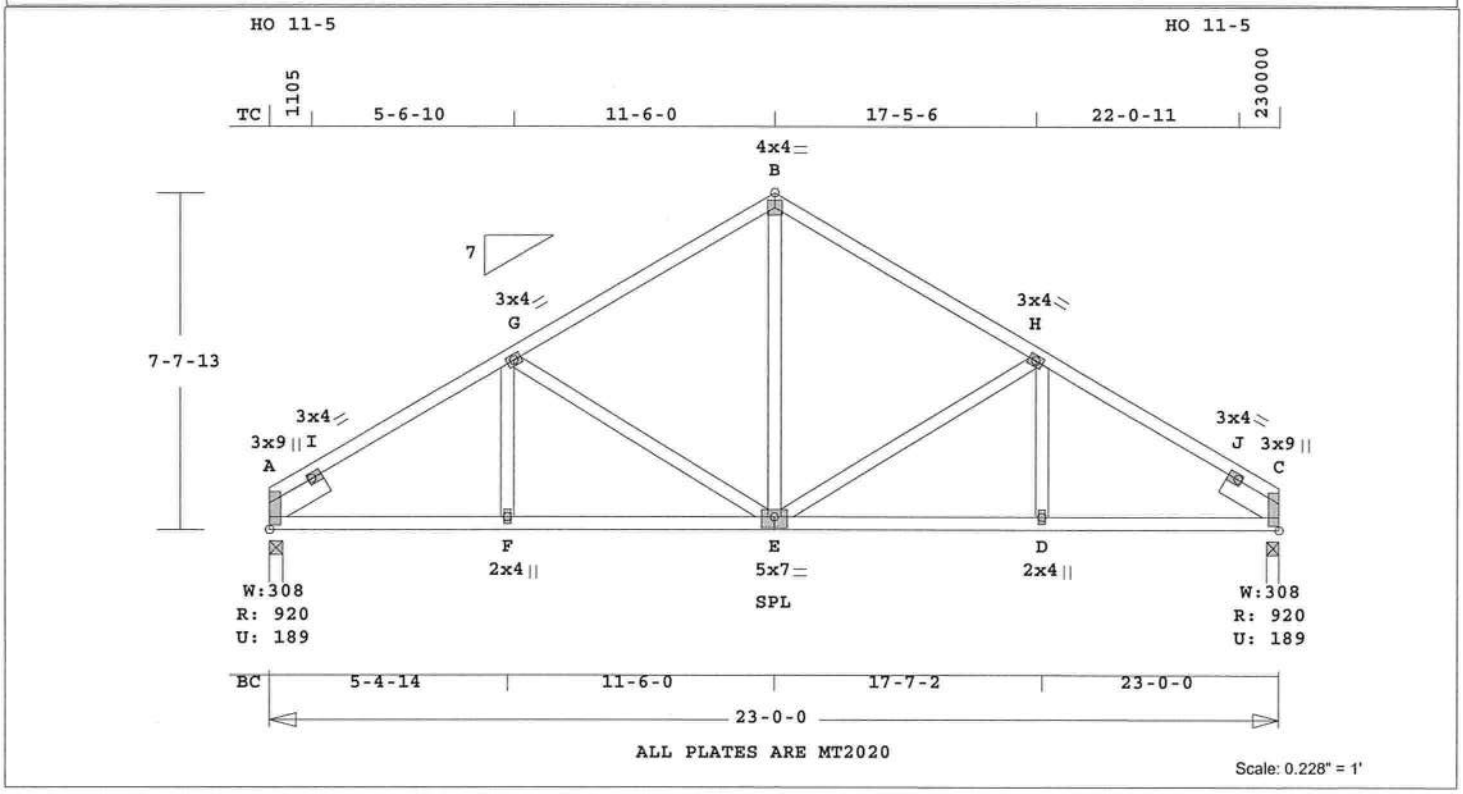
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - 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 1189 Lbs
Max tens. force 1011 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	*C2*	4	TR	230000	7	0	0	*T3395892*

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 155.3 LBS

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	-Size-	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.65	2x 4	SP-#2
WB	0.25	2x 4	SP-#2
SL	0.05	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	23- 0- 0
BC	Cont.	0- 0- 0	23- 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-
A	920	190 U	163 R
C	920	190 U	163 R

Jt	Brg Size	Required
A	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 -I	0.47	522 C	0.00 0.47
I -G	0.48	1157 C	0.01 0.47
G -B	0.31	851 C	0.01 0.30
B -H	0.31	851 C	0.01 0.30
H -J	0.48	1157 C	0.01 0.47
J -C	0.47	522 C	0.00 0.47
Bottom Chords			
A -F	0.65	982 T	0.16 0.49
F -E	0.36	982 T	0.16 0.20
E -D	0.36	982 T	0.16 0.20
D -C	0.65	982 T	0.16 0.49
Webs			
F -G	0.02	163 T	
G -E	0.25	329 C	
E -B	0.16	501 T	
E -H	0.25	329 C	
D -H	0.02	163 T	
Sliders			
A -I	0.05	834 C	
J -C	0.05	834 C	

TL Defl -0.16" in F -E L/999
LL Defl -0.07" in F -E L/999
Shear // Grain in I -I 0.37

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 9.0	1.5	0.3	0.51
I	MT20	3.0x 4.0-0.1	-0.1	0.1	0.31
G	MT20	3.0x 4.0	Ctr	Ctr	0.38
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
H	MT20	3.0x 4.0	Ctr	Ctr	0.38
J	MT20	3.0x 4.0	0.1	-0.1	0.31
C	MT20	3.0x 9.0	-1.5	0.3	0.51
F	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.44
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

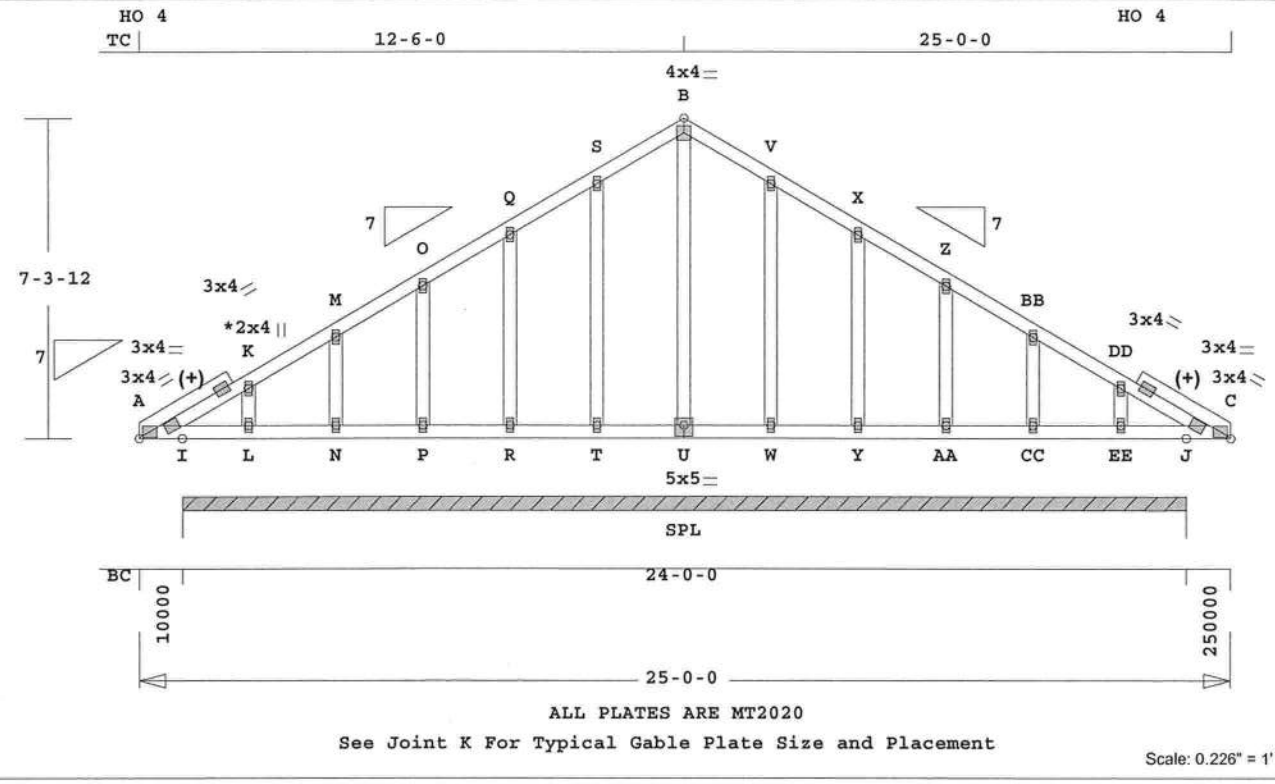
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - 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 1157 Lbs
Max tens. force 982 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	C3GE	1	TR	250000	7	0	0	T3395893

KNIGHT



ALL PLATES ARE MT2020

See Joint K For Typical Gable Plate Size and Placement

Scale: 0.226" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 183.6 LBS

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	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	460 U	167 R

Jt	Brg Size	Required
I	276.0"	12"-to- 288"

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	123 C	0.01		0.03
K -M	0.03	78 C	0.00		0.03
M -O	0.03	63 C	0.00		0.03
O -Q	0.03	73 C	0.00		0.03
Q -S	0.03	138 T	0.00		0.03
S -B	0.04	206 T	0.02		0.02
B -V	0.04	206 T	0.02		0.02
V -X	0.03	138 T	0.00		0.03
X -Z	0.03	73 C	0.00		0.03
Z -BB	0.03	63 C	0.00		0.03
BB-DD	0.03	78 C	0.00		0.03
DD-C	0.04	123 C	0.01		0.03
Bottom Chords					
A -L	0.04	9 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	9 T	0.00		0.04
Gable Webs					
L -K	0.01	127 C			
N -M	0.01	134 C			
P -O	0.02	135 C			
R -Q	0.04	137 C			
T -S	0.06	132 C			
U -B	0.09	121 C			
W -V	0.06	132 C			
Y -X	0.04	137 C			
AA-Z	0.02	135 C			
CC-BB	0.01	134 C			
EE-DD	0.01	127 C			

TL Defl 0.00" in L -N L/999
LL Defl 0.00" in L -N L/999
Shear // Grain in I -K 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:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

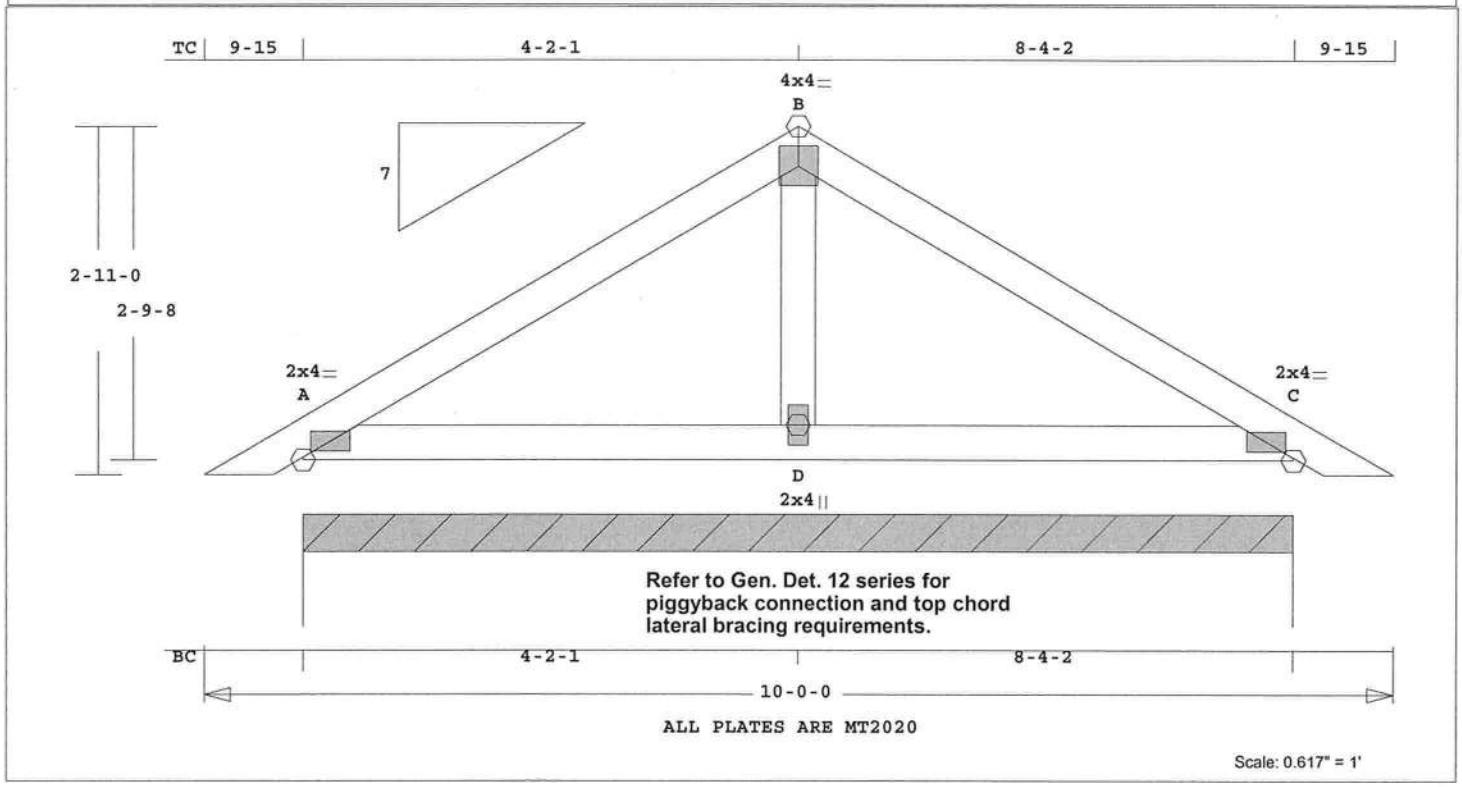
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - 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 189 Lbs
Max tens. force 206 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	P1	18	TR	100000	7	9-15	9-15	T3395894

KNIGHT



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 41.7 LBS

Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

	CSI	-Size-	----Lumber----
TC	0.11	2x 4	SP-#2
BC	0.11	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 0- 0
BC	Cont.	0- 0- 0	10- 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-
A	669	146 U	57 R

Jt	Brg Size	Required
A	100.1"	0"-to- 100"

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	0.11	241 C	0.00 0.11
B -C	0.11	241 C	0.00 0.11
Bottom Chords			
A -D	0.11	2 T	0.00 0.11
D -C	0.11	2 T	0.00 0.11
Webs			
D -B	0.00	50 T	

TL Defl -0.01" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -B 0.12

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:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
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.

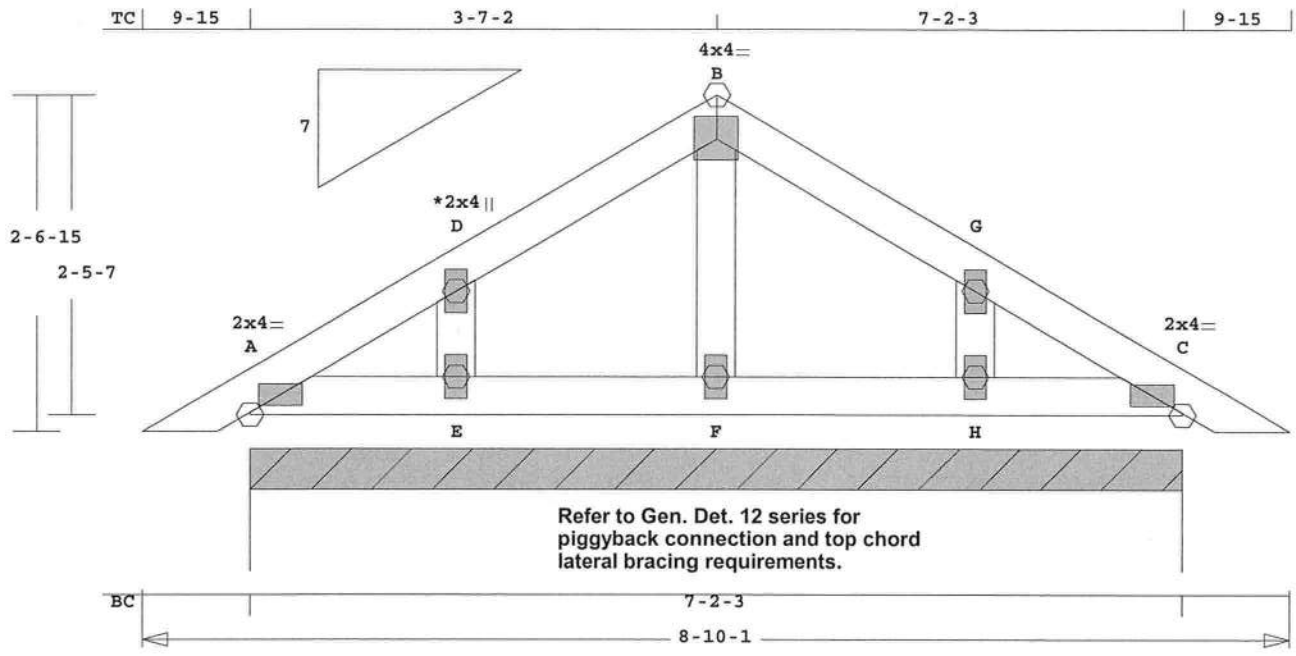
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 241 Lbs
Max tens. force 182 Lbs
Quality Control Factor 1.25

Thomas Albani, FL Lic. #39380
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HAYGOOD-KNIGHT	P2GE	2	TR	81001	7	9-15	9-15	T3395895

KNIGHT



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.674" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 39.1 LBS

```
Online Plus -- Version 23.0.055
RUN DATE: 26-JUN-09

     CSI -Size- ----Lumber----
TC  0.03  2x 4  SP-#2
BC  0.02  2x 4  SP-#2
GW  0.01  2x 4  SP-#2

Brace truss as follows:
      O.C.     From      To
 TC  Cont.    0- 0- 0  8-10- 1
 BC  Cont.    0- 0- 0  8-10- 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    577   126 U    49 R

Jt   Brg Size   Required
A      86.2"     0"-to-  86"

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 -D  0.03    33 C  0.00  0.03
D -B  0.03    59 C  0.00  0.03
B -G  0.03    60 C  0.00  0.03
G -C  0.03    33 C  0.00  0.03
--------Bottom Chords---------
A -E  0.01     1 T  0.00  0.01
E -F  0.02     0 T  0.00  0.02
F -H  0.02     0 T  0.00  0.02
H -C  0.01     1 T  0.00  0.01
----------Gable Webs----------
E -D  0.01   132 C
F -B  0.00    76 C
H -G  0.01   132 C

TL Defl   0.00" in E -F  L/999
LL Defl   0.00" in E -F  L/999
Shear // Grain  in D -B   0.06

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
D  MT20  2.0x 4.0 Ctr Ctr 0.00
B  MT20  4.0x 4.0 Ctr Ctr 0.42
G  MT20  2.0x 4.0 Ctr Ctr 0.00
C  MT20  2.0x 4.0 Ctr Ctr 0.62
E  MT20  2.0x 4.0 Ctr Ctr 0.00
F  MT20  2.0x 4.0 Ctr Ctr 0.00
H  MT20  2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
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       132 Lbs
Max tens. force       122 Lbs
Quality Control Factor 1.25
```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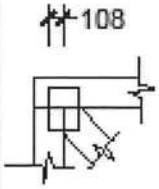
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

June 26,2009

ROBBINS ENG. GENERAL NOTES & SYMBOLS

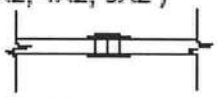
PLATE LOCATION



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.

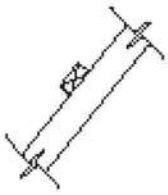
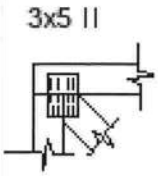


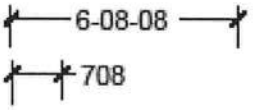
PLATE SIZE AND ORIENTATION

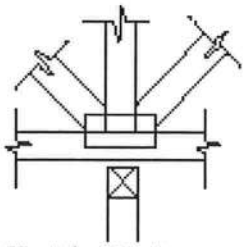


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" 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 erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS 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.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 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.

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 FABRICATOR.

Robbins Engineering, Inc.

6904 Parke East Blvd.
Tampa, Fl 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com

Knight Residence, Columbia County FL

Wind Load Analysis Requirements

(In Compliance with the 2007 Florida Building Code and 2009 Amendments)

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

Description of New Residence:

Footprint: 70'6"'wide x 53'4"deep overall("L" shaped)(see plan #0901 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 7/16" OSB sheathing (min.)
Roof Type: gable(analyzed for 1' eave overhang and porch areas)
Foundation: footer & stemwall with slab

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 = 17'
Roof Cross Slope = 7:12 primarily with 3.5:12 over front porch
Eave Overhang= (Analyzed for 1' eaves and porch areas)
Wall Height = 9'1" (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 7/16" Oriented Strand Board(OSB) minimum 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)

7-6-09

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 and window under 4' in width. At top and bottom of wall for windows and doors larger than 4' in width install two Simpson model SP4's each side of each opening. All other wall locations install SP4's top and bottom of wall 4' on center. At each side of garage door opening at top and bottom of the wall install 3-SPH4's. For wall between garage and cooled/heated area of home install one Simpson model SP4 at the top and bottom of the wall 32" on center and each side of door openings.
Porch Columns:	ABU66 & notch Columns for header at top and install 2-5/8" carriage bolts. Install Simpson HUC410 at rear porch beam to home connection.
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 and 8" from corners each way and at each side of door openings. (3000 psi concrete min.) Porch footer may be reduced to 16" in width.(Note: foundation designed using an allowable bearing pressure of 1000 psf)

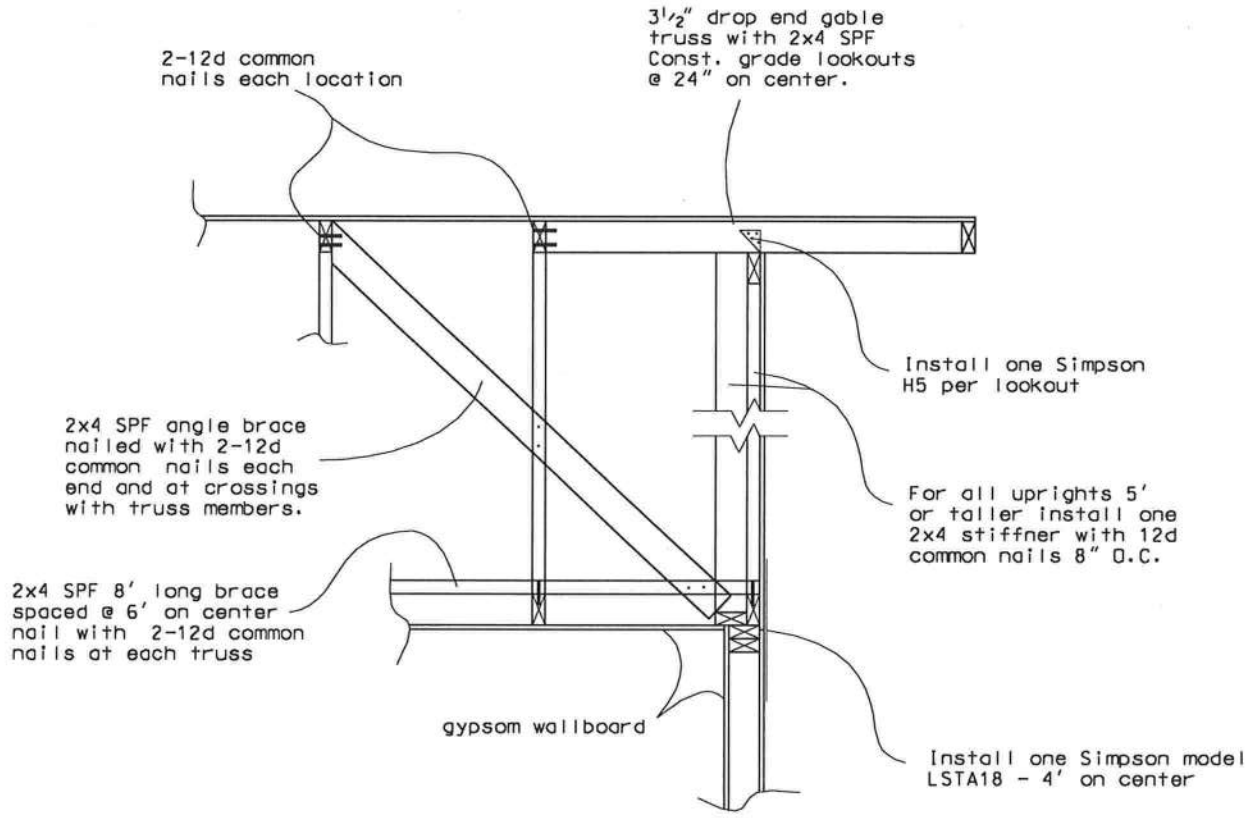
Header Requirements:

Windows/Doors& Porches: Minimum header shall be 2 - #2 SYP 2x10's w 1/2" OSB or plywood between nailed w 12d nails 10" on center top & bottom.

Carport beam: Minimum header shall be 1-LVL beam 3.5" x14" Fb=2250 and E =1.5 mil. psi

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

Misty S. [illegible]
7-6-09



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

7-6-09

Knight 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.

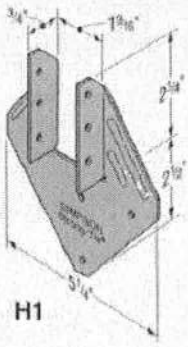
Allowable loads for more than one direction for a single connection cannot be added together. A design load which can be divided into components in the directions given must be evaluated as follows:
Design Shear/Allowable Shear + Design Tension/Allowable Tension < 1.0.

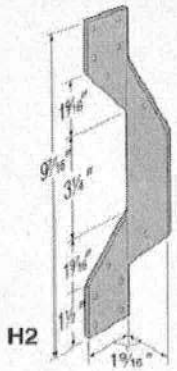
MATERIAL: See table

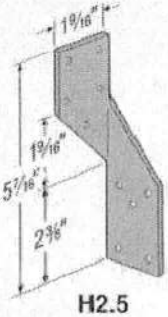
FINISH: Galvanized; H10-2, H11Z–Z-MAX. Other models available in stainless steel or Z-MAX; see Corrosion-Resistance, page 5.

INSTALLATION:
- 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.

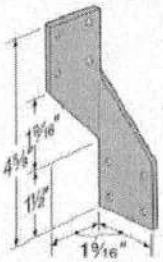
CODES: BOCA, ICBO, SBCCI NER-422, NER-393, NER-432; NER-499; City of L.A. RR 24818; Dade Co, FL 00-0512.11 (H10); 00-0926.01 (H1, H2.5, H3, H4, H5).

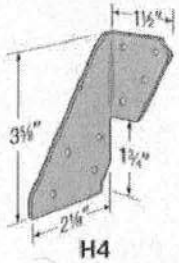

H1

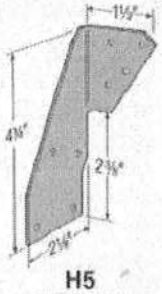

H2

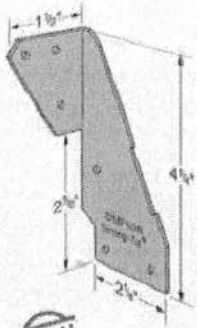

H2.5


H2.5A

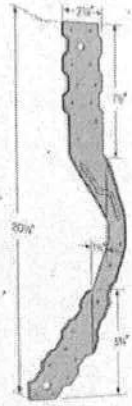

H3

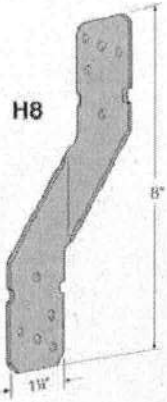

H4
U.S. Patent 4,714,372

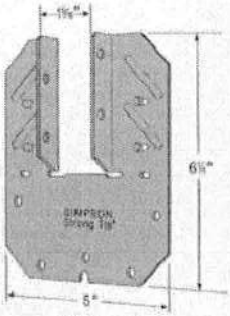

H5
U.S. Patent 4,714,372

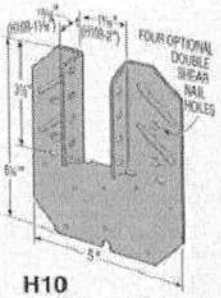

H5A
U.S. Patent 4,714,372


H6

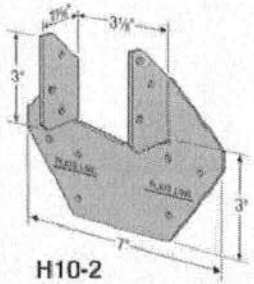

H7

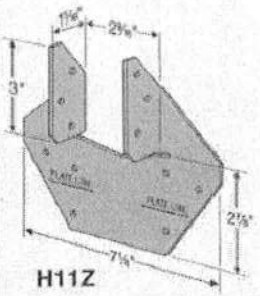

H8


H9


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)
						Uplift		Lateral (133/160)			Uplift		Lateral (133/160)		
		To Rafters/ Truss	To Plates	To Studs		(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
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
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.

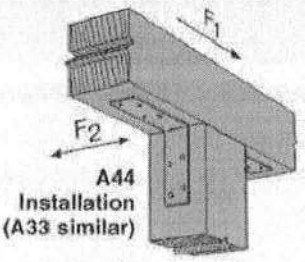
MATERIAL: Z clips–see table. A21 and A23–18 ga.; all other A angles–12 ga.

FINISH: Galvanized

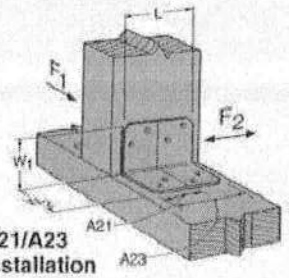
INSTALLATION: • Use all specified fasteners. See General Notes.
• Z clips do not provide lateral stability. Do not walk on stiffeners or apply load until diaphragm is installed and nailed to stiffeners.

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).

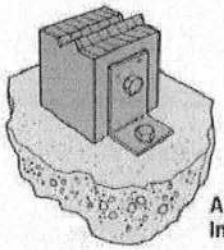
Model No.	Dimensions			Fasteners				Avg Ult F_2	Allowable Loads[2] DF/SP			
				Base		Post			(133)		(160)	
	W_1	W_2	L	Bolts	Nails	Bolts	Nails		F_1	F_2	F_1	F_2
A21	2	1½	1⅜	—	2-10dx1½	—	2-10dx1½	540	245	175	290	175
A23	2	1½	2¼	—	4-10dx1½	—	4-10dx1½	1767	485	485	585	565
A33	3	3	1½	—	4-10d	—	4-10d	2635	625	330	750	330
A44	4⅛	4⅛	1½	—	4-10d	—	4-10d	2490	625	295	750	295
A66	5⅛	5⅛	1½	2-⅞	—	2-⅞	—	N/A	N/A	N/A	N/A	N/A
A88	8	8	2	3-⅞	—	3-⅞	—	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



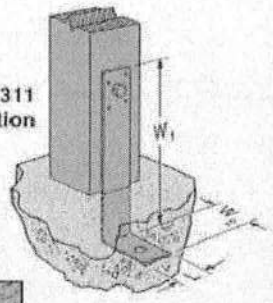
A44 Installation (A33 similar)



A21/A23 Installation



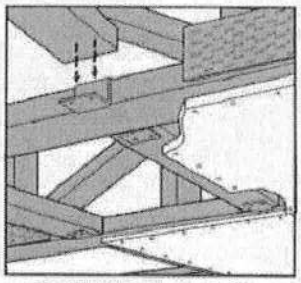
A24 Installation



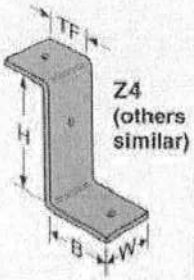
A311 Installation

Model No.	Ga	Dimensions				Fasteners[1] (Total)	Avg Ult	Allowable[2] Download (125)
		W	H	B	TF			
Z2	20	2⅝	1½	1⅜	1⅜	4-10dx1½	1507	465
Z4	12	1½	3½	2⅛	1¾	2-16d	1450	465
Z6	12	1½	5½	2	1⅜	2-16d	1517	485
Z28	28	2⅝	1½	1⅜	1⅜	10dx1½[3]	—	—
Z38	28	2⅝	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.

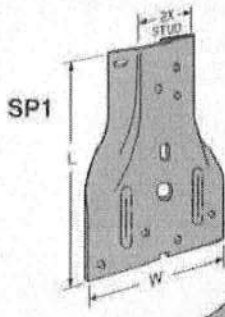
MATERIAL: SPH–18 gauge, all others–20 gauge **FINISH**: Galvanized

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.

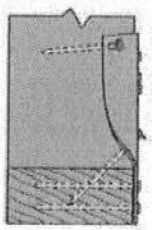
CODES: BOCA, ICBO, SBCCI NER-432, NER-443, NER-499; SBCCI 9603A; City of LA RR 25318 (RSP4); Dade Co. FL 99-0623.04 (SP1, SP2, SP4, SP6, SP8).

Model No.	Dimensions		Fasteners		Avg Ult	Allowable Uplift Loads DF/SP	
	W	L	Stud[1]	Plate		(133)[2]	(160)[2]
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	7⅛	8⅝	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	7⅛	8⅝	10-10dx1½	—	3993	1240	1240
			12-10dx1½	—	4470	1360	1360
RSP4 (1)	2⅛	4½	4-8dx1½	4-8dx1½	1032	315	315
RSP4 (2)	2⅛	4⅛	4-8dx1½	4-8dx1½	1445	450	450

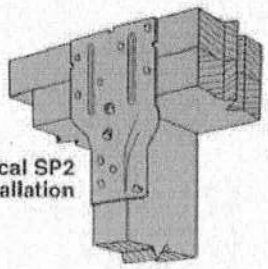
1. SP1, 2, 3 and SP5: drive one stud nail at an angle through the stud into the plate to achieve the table load (see illustration).
2. Allowable loads have been increased 33% and 60% for earthquake or wind loading; no further increase allowed. Reduce by 33% and 60% for normal loading.
3. RSP4–see installation 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



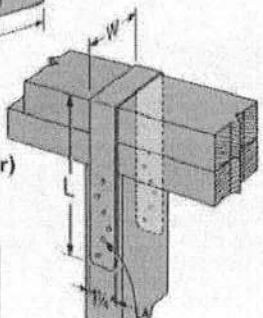
SP1



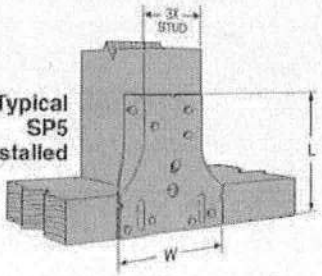
SP1 Nailing Profile



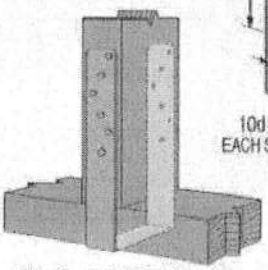
Typical SP2 Installation



Typical SPH Installation (SP4, 6, 8 similar)

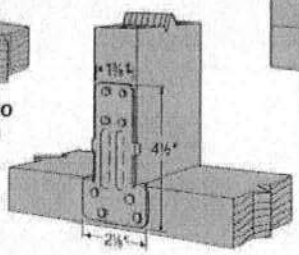


Typical SP5 Installed

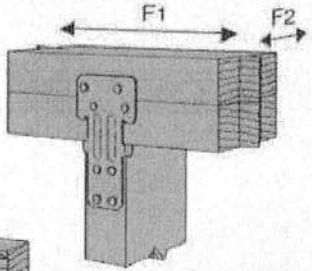


Typical SPH4 Stud to Single Bottom Plate

10d×1½" NAILS EACH SIDE OF STUD



(1) Typical RSP4 Stud to Single Bottom Plate



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

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.

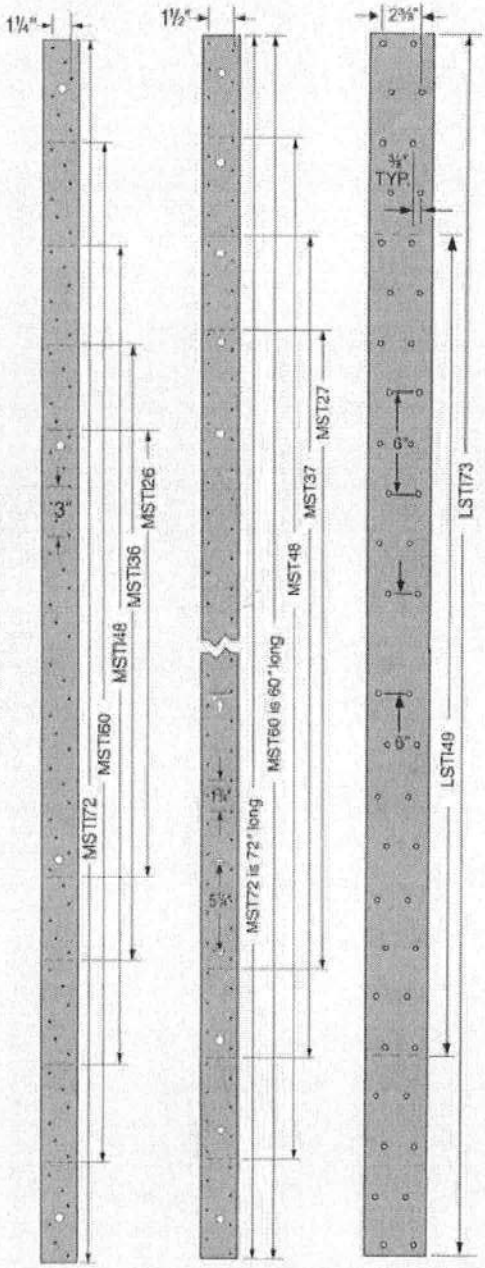
Install Strap Ties where plates or soles are cut, at wall intersections, and as ridge ties. LSTA and MSTA straps are engineered for use on 1½" members. The 3" center-to-center nail spacing reduces the possibility of splitting. For the MST, this may be a problem on lumber narrower than 3½"; either fill 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.

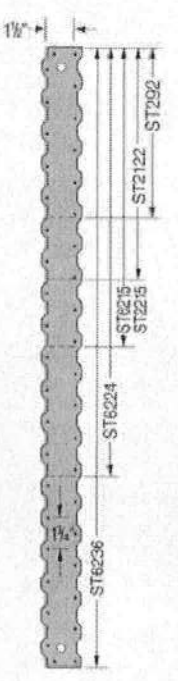
INSTALLATION: Use all specified fasteners. See General Notes.

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.

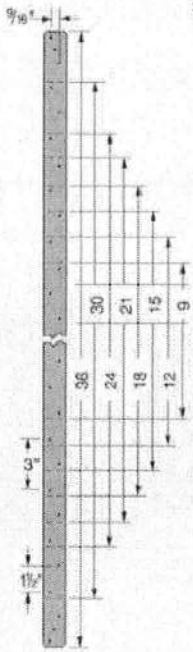


MSTI MST LSTI

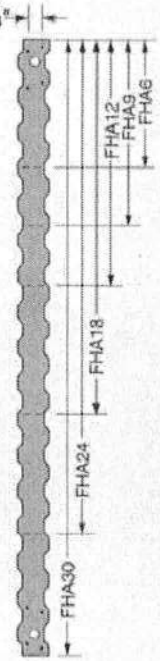


ST
U.S. Patent 4,367,973

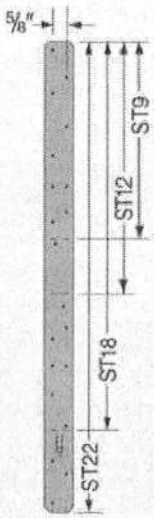
MSTAM36



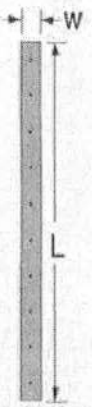
LSTA and MSTA (pilot holes not shown)



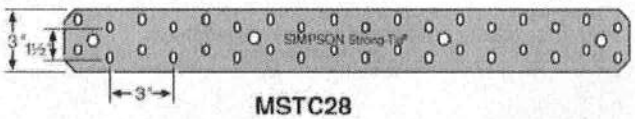
FHA



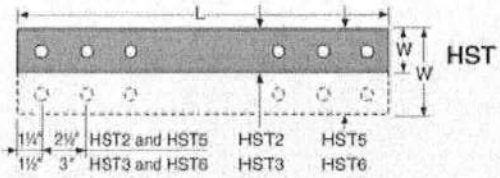
ST9, ST12, ST18, ST22



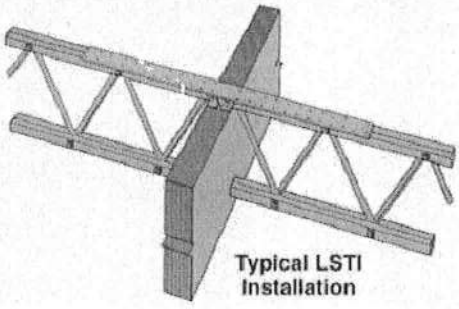
ST2115



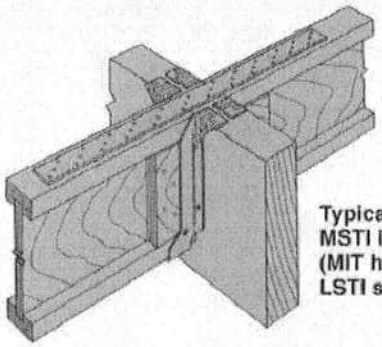
MSTC28



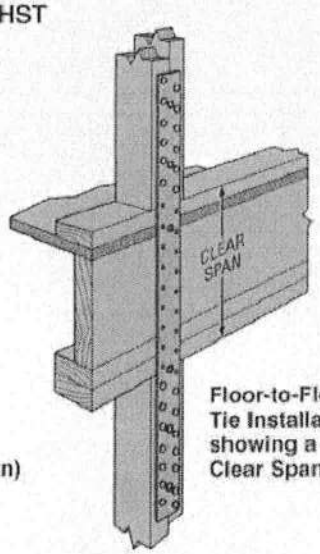
HST



Typical LSTI Installation



Typical MSTI Installation (MIT hanger shown) LSTI similar

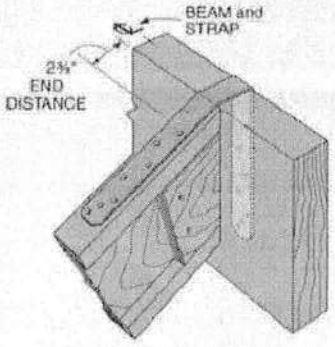


Floor-to-Floor Tie Installation showing a Clear Span

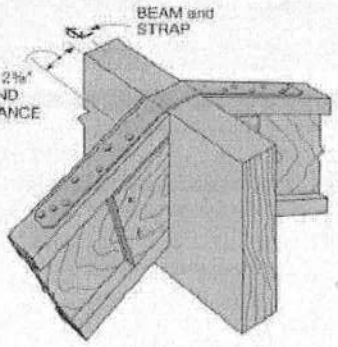
RPS/ST/FHA/PS/HST/LSTA/LSTI/MST/MSTA/MSTC/MSTI

STRAP TIES

Model No.	Ga	Dimensions W	Dimensions L	Fasteners (Total) Nails	Allowable Tension Loads Floor (100)	(133)	(160)
RPS18	16	1½	18⅝	12-16d	810	1080	1295
RPS22	16	1½	22⅝	16-10d	905	1205	1445
RPS28	16	1½	28⅝	12-16d	810	1080	1295
LSTA9	20	1¼	9	8-10d	450	605	725
LSTA12	20	1¼	12	10-10d	565	755	905
LSTA15	20	1¼	15	12-10d	680	905	1085
LSTA18	20	1¼	18	14-10d	790	1055	1265
LSTA21	20	1¼	21	16-10d	905	1205	1295
LSTA24	20	1¼	24	18-10d	1015	1295	1295
ST292	20	2⅛	9⅛	12-16d	790	1055	1130
ST2122	20	2⅛	12⅛	16-16d	1070	1425	1505
ST2115	20	¾	16⅛	10-16d	450	600	600
ST2215	20	2⅛	16⅛	20-16d	1270	1695	1695
LSTA30	18	1¼	30	22-10d	1255	1670	1715
LSTA36	18	1¼	36	26-10d	1480	1715	1715
LSTI49	18	3¼	49	32-10dx1½	1455	1940	2330
LSTI73	18	3¼	73	48-10dx1½	2185	2910	3495
MSTA9	18	1¼	9	8-10d	455	610	730
MSTA12	18	1¼	12	10-10d	570	760	910
MSTA15	18	1¼	15	12-10d	685	910	1095
MSTA18	18	1¼	18	14-10d	800	1065	1275
MSTA21	18	1¼	21	16-10d	910	1215	1460
MSTA24	18	1¼	24	18-10d	1025	1370	1640
MSTA30	16	1¼	30	22-10d	1265	1685	2025
MSTA36	16	1¼	36	26-10d	1495	1995	2135
ST6215	16	2⅛	16⅝	20-16d	1330	1775	2130
ST6224	16	2⅛	23⅝	28-16d	1890	2520	2630
ST9	16	1¼	9	8-16d	530	705	850
ST12	16	1¼	11⅝	10-16d	665	885	1065
ST18	16	1¼	17¾	14-16d	900	1200	1200
ST22	16	1¼	21⅝	18-16d	1025	1370	1370
MSTC28	16	3	28¼	36-16d sinkers	2070	2760	3310
MSTC40	16	3	40¼	52-16d sinkers	2990	3985	4740
MSTC52	16	3	52¼	62-16d sinkers	3555	4740	4740
MSTC66	14	3	65¾	76-16d sinkers	4390	5855	5855
MSTC78	14	3	77¾	76-16d sinkers	4390	5855	5855
ST6236	16	2⅛	33⅞	40-16d	2575	3430	3430
FHA6	12	1⅛	6⅛	8-16d	550	735	885
FHA9	12	1⅛	9	8-16d	550	735	885
FHA12	12	1⅛	11⅞	8-16d	550	735	885
FHA18	12	1⅛	17¼	8-16d	550	735	885
FHA24	12	1⅛	23⅛	8-16d	550	735	885
FHA30	12	1⅛	30	8-16d	550	735	885
MSTI26	12	2⅛	26	26-10dx1½	1130	1510	1810
MSTI36	12	2⅛	36	36-10dx1½	1565	2090	2505
MSTI48	12	2⅛	48	48-10dx1½	2135	2850	3420
MSTI60	12	2⅛	60	60-10dx1½	2760	3680	4415
MSTI72	12	2⅛	72	72-10dx1½	3310	4415	4725



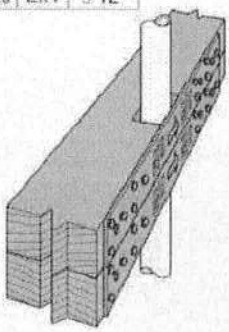
Typical LSTA Installation (hanger not shown)



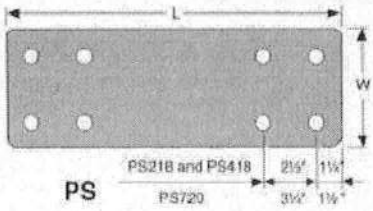
Typical LSTA Installation (hanger not shown)

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

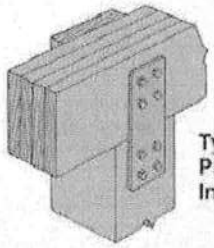
RPS



Typical RPS Installation



PS



Typical PS720 Installation

Model No.	Ga	Dimensions W	Dimensions L	Bolts Qty	Bolts Dia
PS218[6]	7	2	18	4	⅝
PS418[6]	7	4	18	4	⅝
PS720[6]	7	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	½	2070	2760	2790	1295	1725	2070
MST37	12	2⅛	37½	42-16d	6	½	2860	3815	3815	1825	2435	2920
MST48	12	2⅛	48	46-16d	8	½	3345	4460	4460	2225	2970	3560
MST60	10	2⅛	60	56-16d	10	½	4350	5800	5800	2670	3565	4275
MST72	10	2⅛	72	56-16d	10	½	4350	5800	5800	2670	3565	4275
HST2	7	2½	21¼	—	6	⅝	—	—	—	3130	4175	5005
HST5	7	5	21¼	—	12	⅝	—	—	—	6385	8510	10210
HST3	3	3	25½	—	6	¾	—	—	—	4645	6195	7435
HST6	3	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.

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.

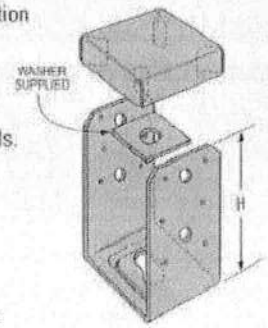
Post Bases provide tested capacity. They feature 1" standoff height above concrete floors, code-required when supporting permanent structures that are exposed to the weather or water splash, or in basements. They reduce the potential for decay at post and column ends.

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

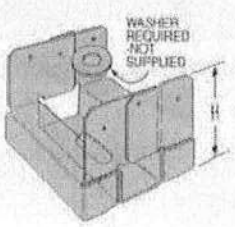
FINISH: Galvanized. Some products available in Z-MAX; see Corrosion-Resistance, page 5.

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).

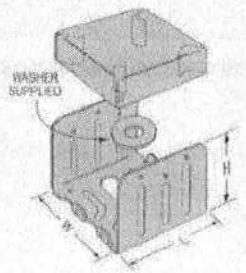


ABU44 (other sizes similar)



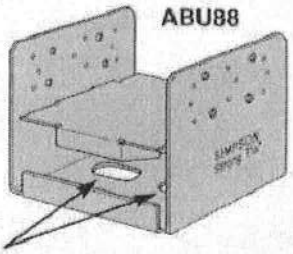
ABA44 (other sizes similar)

U.S. Patent 5,333,435



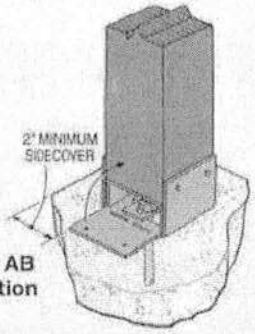
ABE44

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



ABU88

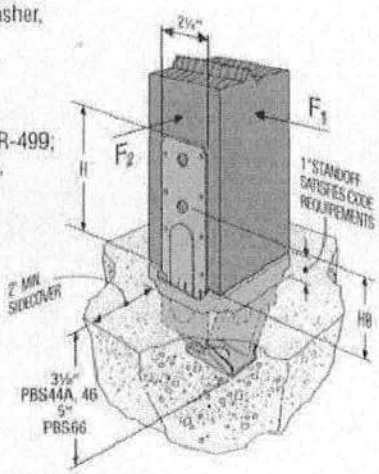
2 load transfer plates supplied



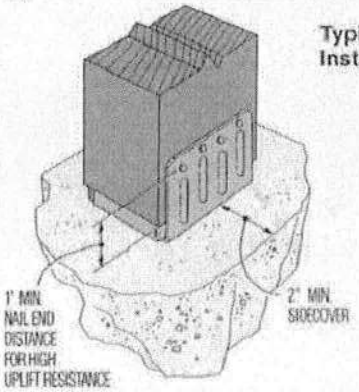
Typical AB Installation

Model No.	Dimensions W	Dimensions L	Allowable Downloads (100)
AB44	3⅜	3⅜	4065
AB44R	4	4⅛	4065
AB46	3⅜	5⅜	4165
AB46R	4	6	4165
AB66	5½	5⅜	5335
AB66R	6	6	5335

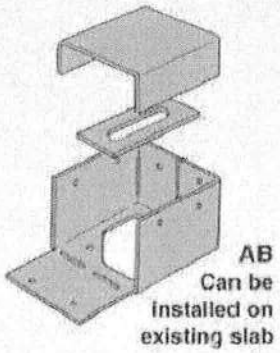
1. Loads may not be increased for short-term loading.



Typical PBS44A Installation



Typical ABE46R Installation for rough lumber (ABE similar)



AB Can be installed on existing slab

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	3⅜	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	5¾	1¾	⅝	12-16d	2	½	7833	2200	1800	2200	2160	—	—	—	—	6665
PBS44A	4x4	12	14	3⅜	2¼	6¾	3⅛	—	14-16d	2	½	7733	2400	2400	2400	2400	1165	230	885	885	6665
ABA44R	RGH 4x4	16	16	4⅛	3½	2 15/16	—	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	5 11/16	4⅛	—	⅝	8-16d	—	—	5167	810	—	810	—	—	—	—	—	7335
PBS46	4x6	12	14	3⅜	2¼	6⅞	3⅜	—	14-16d	2	½	7733	2400	2400	2400	2400	1165	360	885	885	9335
ABA46	4x6	14	14	3⅜	5 11/16	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	5 11/16	3⅝	—	⅝	8-16d	—	—	5167	810	—	810	—	—	—	—	—	7335
ABA46R	RGH 4x6	14	14	4⅛	5 11/16	2⅞	—	⅝	8-16d	—	—	2967	935	—	935	—	—	—	—	—	12000
PBS66	6x6	12	12	5½	2¼	6½	3 1/16	—	14-16d	2	½	13100	2630	3560	3160	4000	1865	570	1700	1700	9335
ABA66	6x6	14	14	5½	5¼	3⅛	—	⅝	8-16d	—	—	3050	720	—	720	—	—	—	—	—	10665
ABE66	6x6	12	14	5½	5 11/16	3⅛	—	⅝	8-16d	—	—	4833	900	—	900	—	—	—	—	—	12000
ABU66	6x6	12	10	5½	5	6 15/16	1¾	⅝	12-16d	2	½	8900	2300	2300	2300	2300	—	—	—	—	12000
ABA66R	RGH 6x6	14	14	6	5 11/16	2⅞	—	⅝	8-16d	—	—	3050	985	—	985	—	—	—	—	—	12665
ABE66R	RGH 6x6	12	14	6 15/16	5 11/16	2⅞	—	⅝	8-16d	—	—	4833	900	—	900	—	—	—	—	—	12000
ABU88[4]	8x8	12	14	7½	7	7	—	2-⅝	18-16d	—	—	12893	2320	—	2320	—	—	—	—	—	24335
ABU88R	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

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 33-4S-16-03265-005 **Building permit No.** 000027962

Use Classification SFD,UTILITY **Fire:** 57.78

Permit Holder PATRICK HAYGOOD **Waste:** 150.75

Owner of Building JEFFREY & ALLIE KNIGHT **Total:** 208.53

Location: 108 SW MAULDIN AVE., LAKE CITY, FL

Date: 01/11/2010

Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

NOTICE OF INSPECTION AND/OR TREATMENT

Date of Inspection
8/3/01 #27962

Date of Treatment

Date of Spot Treatment
Premise Pro

Pesticide Used
subterranean Termites

Wood-Destroying Organisms Treated

Notice
It is a violation of Florida State Law (Chap. 482.226) for anyone other than the property owner to remove this notice.

Address:
Pestmaster Services of Lake City
187 SE Country Club Rd., Suite 101 • Lake City, FL 32025