DATE 06/18/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025926

APPLICANT CLAUDE HARPE PHONE 352 258-3949

ADDRESS P.O. BOX 358242 GAINESVILLE FL 32635

OWNER BUDDY MILLER PHONE 352-359-5748

ADDRESS 230 SW SUNFLOWER CT FT. WHITE FL 32038

CONTRACTOR CLAUDE HARPE PHONE 352 258-3949

LOCATION OF PROPERTY 441S, TR ON TOMMY LITES, TR ON TUSTENUGGEE AVE, TL ON MARIGOLD PLACE, TR ON SUNFLOWER, TO CUL-DE-SAC ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 107950.00

HEATED FLOOR AREA 2159.00 TOTAL AREA 3916.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 12/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 14

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 18-6S-17-09696-101 SUBDIVISION TUSTENUGGEE PLANTATION UNREC

LOT 1 BLOCK PHASE UNIT 1 TOTAL ACRES 10.00

		CBC1250864	Claude Harpe	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	07-433-N	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,

Check # or Cash 2912

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

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

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 540.00 CERTIFICATION FEE $ 19.58 SURCHARGE FEE $ 19.58

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** 654.16

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Sent to AR 5-29-12 EH # 07-433 SW. READVISED 6-14-07

Columbia County Building Permit Application

For Office Use Only Application # 0705-76 Date Received 5/28/07 By LG Permit # 25926

Application Approved by - Zoning Official BLK Date 6.06.07 Plans Examiner OKJH Date 6-4-07

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

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

Fax 352 331-1222

Name Authorized Person Signing Permit CLAUDE HARPE / ~~ROCKY CHITTY~~ Phone 352-258-3949

Address

Owners Name DEBRA & BUDDY MILLER Phone 386 462-7576

911 Address 230 SW SUNFLOWER CT, FT WHITE, FL 32038

Contractors Name HARPE CONST INC Phone 352-258-3949

Address P O BOX 358242 GAINESVILLE FLA 32635

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address SCHAFER ENG LLC 7104 NW 42 LANE G'VILLE

Mortgage Lenders Name & Address

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

Property ID Number 18-6S-17-09696-101 Estimated Cost of Construction 225,000

Subdivision Name TUSTENUGGEE Plantation Lot 1 Block Unit 1 Phase

Driving Directions HWY 441 S TO TOMMY LITES TURN R GO TO SW TUSTENUGGEE AVE TURN R GO TO SW MARIGOLD PLACE TURN L TAKE 1ST R ON SW SUNFLOWER CT - GO TO END OF ROAD on right

Type of Construction NEW SFD Number of Existing Dwellings on Property

Total Acreage 10 Lot Size Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 250' Side 250' Side 550' Rear 550'

Total Building Height 14 Number of Stories 1 Heated Floor Area 2159 TOTAL 3918 Roof Pitch 12/12

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.

OWNERS AFFIDAVIT: 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.

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

Claude Harpe

Owner Builder or Authorized Person by Notarized Letter

Claude Harpe

Contractor Signature

Contractors License Number CBC1250864

Competency Card Number

NOTARY STAMP/SEAL

GALE TEDDER
MY COMMISSION # DD 329586
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 29th day of MAY 2007.

Personally known ____ or Produced Identification DL

Notary Signature

(Revised Sept. 2006)

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: 5/29/2007 **DATE ISSUED:** 5/30/2007

ENHANCED 9-1-1 ADDRESS:

230 SW SUNFLOWER CT

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

18-6S-17-09696-102

Remarks:

LOT 2 TUSTENUGGEE PLANTATION UNIT 1 UNREC

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

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

774

Approved Address

MAY 30 2007

911Addressing/GIS Dept

Columbia County Property Appraiser

DB Last Updated: 3/8/2007

Parcel: 18-6S-17-09696-102

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

<< Prev Search Result: 70 of 85 Next >>

Owner's Name	MILLER R F "BUDDY" & DEBORAH H		
Site Address	TUSTENUGGEE PLANTATIONS		
Mailing Address	9404 NW 156TH AVE ALACHUA, FL 32615		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	18617.01	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	10.000 ACRES		
Description	AKA LOT 2 TUSTENUGGEE PLANTATION UNIT 1 UNREC: COMM NE COR, RUN W 1300.56 FT FOR POB, CONT W 657.94 FT, S 662.15 FT, E 657.94 FT, N 662.15 FT TO POB. ORB 972-1147		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$75,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$75,000.00

Just Value	$75,000.00
Class Value	$0.00
Assessed Value	$75,000.00
Exempt Value	$0.00
Total Taxable Value	$75,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
1/15/2003	972/1147	WD	V	Q		$28,000.00

Building Characteristics

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

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	10.000 AC	1.00/1.00/1.00/1.00	$7,500.00	$75,000.00

Columbia County Property Appraiser DB Last Updated: 3/8/2007

<< Prev 70 of 85 Next >>

STATE OF FLORIDA AC# 2613183

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CBC1250864 06/10/06 050820632

CERTIFIED BUILDING CONTRACTOR
HARPE, CLAUDE EVERETT
CLAUDE HARPE CONSTRUCTION SERVICE

IS CERTIFIED under the provisions of Ch.489 FS.

Expiration date: AUG 31, 2008 L06061000249

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 94819 CUP/WUP # _____ DID # _____

If permit is for multiple wells indicate the number of wells drilled _____.

Indicate remaining wells to be cancelled _____

WATER WELL CONTRACTORS

SIGNATURE _____ License # 1105

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	1	—	—
Bentonite:			

WELL LOCATION: County COLUMBIA

____ 1/4 of ____ 1/4 of Section _____ Twp: _____ Rge: _____

Latitude 294703 Longitude 82 7 58

DATE STAMP

Official Use Only

Sketch of well location on property

N

No SEPTIC OR HOUSE YET

Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ ppm Sulfate: ____ ppm

Chloride: ____ ppm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [✓] Submersible [ ] Turbine

Horsepower 3 Capacity 30 G.P.M. 30

Pump Depth 90 Ft. Intake Depth 90 Ft.

Form 40B-3-3 Rev. 12/95

OWNER'S NAME Budd Miller

COMPLETION DATE 3/22/01 Florida Unique I.D. _____

WELL USE: DEP/Public ____ Irrigation ____ Domestic ✓ Monitor ____

HRS Limited ____ 62-524 ____ Other _____

DRILL METHOD [✓] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [ ] Auger Other _____

Measured Static Water Level 65 Measured Pumping Water Level _____

After ____ Hours at ____ G.P.M. Measuring Pt. (Describe): _____

Which is ____ Ft. [ ] Above [ ] Below Land Surface

Casing: [ ] Black Steel [ ] Galv. [✓] PVC Other _____

[✓] Open Hole [ ] Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color | Grain Size | Type of Material
Casing Diameter & Depth (Ft.)	From	To	
Diameter ____	0	80	SaCl
From ____	80	140	Ls
To ____			
Diameter ____			
From ____			
To ____			
Liner [ ] or Casing [✓]			
Diameter 4	0	100	
From ____			
To ____			

FAXED By: SHELL Date: 3/23/01

Driller's Name: (print or type) STAN GRIFFIS

Buddy Miller

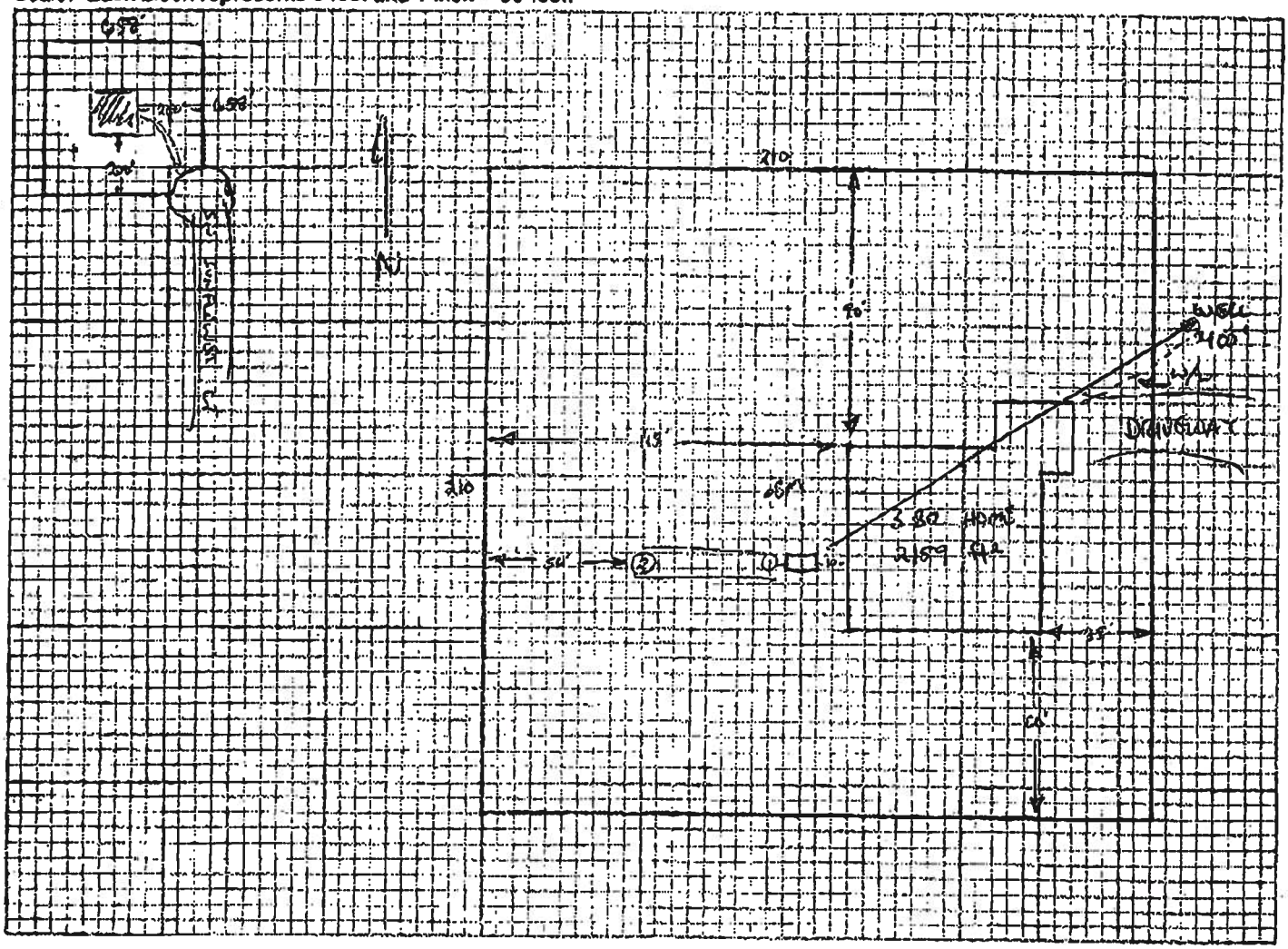
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-0433-N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: 1AC OR 10

NO SLOPE

Site Plan submitted by: Claude Harpe (Signature) AGENT (Title)

Plan Approved / Not Approved

By Pam APPROVED Columbia CHD County Health Department

Date 6/14/7

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4016, 10/98 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 0344-032-4016-e)

RECEIVED 6/14/7

FAXED

(3) ✓

25926

Prepared by and Return to:
Marie Graham, an employee of
First American Title Insurance Company
2632 Northwest 43rd Street, Building C
Gainesville, Florida 32606
(352)336-0440
File No.: 1094-1687516

Rec 27.00
CC 3.50

NOTICE OF COMMENCEMENT

Inst.200712016737 Date:7/26/2007 Time:11:33 AM
DC,P DeWitt Cason Columbia County Page 1 of 3

Permit No. #1094-1687516

Tax Folio/Parcel ID: R09696-101 State: Florida County: Alachua

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

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

230 SW Sunflower Court, Fort White, FL 32038, 1 and 2,

PARCEL 1 OF TUSTENUGGEE PLANTATIONS UNIT I, UNRECORDED:

A PART OF SECTION 18, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A RAILROAD SPIKE AT THE NORTHEAST CORNER OF SAID SECTION 18 AND RUN THENCE S.89°49'17"W., ALONG THE NORTH BOUNDARY THEREOF, 642.62 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S.89°49'17"W., ALONG SAID NORTH BOUNDARY, 657.94 FEET, THENCE S.00°27'15"E., 662.15 FEET, THENCE N.89°49'17"E., 657.94 FEET, THENCE N.00°27'15"W., 662.15 FEET TO THE P.O.B.; SUBJECT TO A CUL-DE-SAC EASEMENT IN THE SOUTHWEST CORNER.

TOGETHER WITH:

TUSTENUGGEE PLANTATION UNIT I
60 FOOT INGRESS/EGRESS EASEMENT

A STRIP OF LAND 60 FEET WIDE LYING 30 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

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 Rose Ann Wells
Deputy Clerk
Date July 30, 2007

COMMENCE AT A RAILROAD SPIKE AT THE NORTHEAST CORNER OF SECTION 18, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S.00°51'43"E., ALONG THE EAST LINE OF SAID SECTION AND ALONG THE CENTERLINE OF TUSTENUGGEE AVENUE, 1361.60 FEET, THENCE S.89°08'17"W., 40.00 FEET TO THE WEST RIGHT-OF-WAY LINE OF TUSTENUGGEE AVENUE AND THE POINT OF BEGINNING OF SAID CENTERLINE, THENCE CONTINUE S.89°08'17"W., 612.00 FEET, THENCE S.89°49'17"W., 657.94 FEET TO REFERENCE POINT "A". THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "B", THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "C", THENCE CONTINUE S.89°49'17"W., 657.94 FEET TO THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION.

AND

PARCEL 2 OF TUSTENUGGEE PLANTATIONS UNIT I, UNRECORDED:

A PART OF SECTION 18, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A RAILROAD SPIKE AT THE NORTHEAST CORNER OF SAID SECTION 18 AND RUN THENCE S.89°49'17"W., ALONG THE NORTH BOUNDARY THEREOF, 1300.56 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S.89°49'17"W., ALONG SAID NORTH BOUNDARY, 657.94 FEET, THENCE S.00°27'15"E., 662.15 FEET, THENCE N. 89°49'17"E., 657.94 FEET, THENCE N.00°27'15"W., 662.15 FEET TO THE P.O.B.; SUBJECT TO A CUL-DE-SAC EASEMENT IN THE SOUTHEAST CORNER.

TOGETHER WITH:

TUSTENUGGEE PLANTATION UNIT I
60 FOOT INGRESS/EGRESS EASEMENT

A STRIP OF LAND 60 FEET WIDE LYING 30 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:
COMMENCE AT A RAILROAD SPIKE AT THE NORTHEAST CORNER OF SECTION 18, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S.00°51'43"E., ALONG THE EAST LINE OF SAID SECTION AND ALONG THE CENTERLINE OF TUSTENUGGEE AVENUE, 1361.60 FEET, THENCE S.89°08'17"W., 40.00 FEET TO THE WEST RIGHT-OF-WAY LINE OF TUSTENUGGEE AVENUE AND THE POINT OF BEGINNING OF SAID CENTERLINE, THENCE CONTINUE S.89°08'17"W., 612.00 FEET, THENCE S.89°49'17"W., 657.94 FEET TO REFERENCE POINT "A". THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "B", THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "C", THENCE CONTINUE S.89°49'17"W., 657.94 FEET TO THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION.

2. General description of improvement:

3a. Owner name/address: R. F. Buddy Miller and Deborah H. Miller, 0 SW Sunflower Court, Fort White, FL 32038

3b. Interest in property:
3c. Name and address of fee simple title holder (if other than owner):

4. Contractor - Qualifier Name and Address:

5. Surety - Name and Address:

Amount of bond: $

6. Lender - Name and Address:

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7, Florida Statutes:

8. In addition to him/herself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes [Provide Name/Mailing Address]:

9. NoC expiration date (one full year from the date of recording unless different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

R. F. Buddy Miller

7/25/07
Date

Deborah H. Miller

State of FLORIDA
County of Alachua

The foregoing instrument was acknowledged before me this July 25, 2007, by R. F. Buddy Miller (print name of person) as (type of authority, e.g. officer, trustee, attorney in fact) for (name of party on behalf of whom instrument was executed).

Notary Public
Alexander Marelia

NOTARY PUBLIC STATE OF FLORIDA
Alexander Marelia
Commission # DD371876
Expires: DEC. 18, 2008
Thru Atlantic Bonding Co., Inc.

(SEAL)

Personally Known -OR- Produced Identification

(3)

Prepared by and Return to:
Marie Graham, an employee of
First American Title Insurance Company
2632 Northwest 43rd Street, Building C
Gainesville, Florida 32606
(352)336-0440
File No.: 1094-1687516

Rec 27.00
CC 3.50

NOTICE OF COMMENCEMENT

Inst:200712016737 Date:7/26/2007 Time:11:33 AM
DC,P.DeWitt Cason ,Columbia County Page 1 of 3

Permit No. #[redacted]

Tax Folio/Parcel ID: R09696-101 State: Florida County: Alachua

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TOGETHER WITH:

TUSTENUGGEE PLANTATION UNIT I
60 FOOT INGRESS/EGRESS EASEMENT

A STRIP OF LAND 60 FEET WIDE LYING 30 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

25/26

COMMENCE AT A RAILROAD SPIKE AT THE NORTHEAST CORNER OF SECTION 18, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S.00°51'43"E., ALONG THE EAST LINE OF SAID SECTION AND ALONG THE CENTERLINE OF TUSTENUGGEE AVENUE, 1361.60 FEET, THENCE S.89°08'17"W., 40.00 FEET TO THE WEST RIGHT-OF-WAY LINE OF TUSTENUGGEE AVENUE AND THE POINT OF BEGINNING OF SAID CENTERLINE, THENCE CONTINUE S.89°08'17"W., 612.00 FEET, THENCE S.89°49'17"W., 657.94 FEET TO REFERENCE POINT "A". THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "B", THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "C", THENCE CONTINUE S.89°49'17"W., 657.94 FEET TO THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION.

AND

PARCEL 2 OF TUSTENUGGEE PLANTATIONS UNIT I, UNRECORDED:

A PART OF SECTION 18, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A RAILROAD SPIKE AT THE NORTHEAST CORNER OF SAID SECTION 18 AND RUN THENCE S.89°49'17"W., ALONG THE NORTH BOUNDARY THEREOF, 1300.56 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S.89°49'17"W., ALONG SAID NORTH BOUNDARY, 657.94 FEET, THENCE S.00°27'15"E., 662.15 FEET, THENCE N. 89°49'17"E., 657.94 FEET, THENCE N.00°27'15"W., 662.15 FEET TO THE P.O.B.; SUBJECT TO A CUL-DE-SAC EASEMENT IN THE SOUTHEAST CORNER.

TOGETHER WITH:

TUSTENUGGEE PLANTATION UNIT I
60 FOOT INGRESS/EGRESS EASEMENT

A STRIP OF LAND 60 FEET WIDE LYING 30 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:
COMMENCE AT A RAILROAD SPIKE AT THE NORTHEAST CORNER OF SECTION 18, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S.00°51'43"E., ALONG THE EAST LINE OF SAID SECTION AND ALONG THE CENTERLINE OF TUSTENUGGEE AVENUE, 1361.60 FEET, THENCE S.89°08'17"W., 40.00 FEET TO THE WEST RIGHT-OF-WAY LINE OF TUSTENUGGEE AVENUE AND THE POINT OF BEGINNING OF SAID CENTERLINE, THENCE CONTINUE S.89°08'17"W., 612.00 FEET, THENCE S.89°49'17"W., 657.94 FEET TO REFERENCE POINT "A". THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "B", THENCE CONTINUE S.89°49'17"W., 1315.88 FEET TO REFERENCE POINT "C", THENCE CONTINUE S.89°49'17"W., 657.94 FEET TO THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "A" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "B" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN N.00°27'15"W., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A 50 FOOT RADIUS AND THE POINT OF TERMINATION. ALSO: BEGIN AT REFERENCE POINT "C" AND RUN S.00°27'15"E., 662.15 FEET TO THE CENTER OF A CUL-DE-SAC HAVING A RADIUS OF 50 FEET AND THE POINT OF TERMINATION.

2. General description of improvement:

3a. Owner name/address: R. F. Buddy Miller and Deborah H. Miller, 0 SW Sunflower Court, Fort White, FL 32038

3b. Interest in property:
3c. Name and address of fee simple title holder (if other than owner):

4. Contractor - Qualifier Name and Address:

5. Surety - Name and Address:

Amount of bond: $

6. Lender - Name and Address:

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7, Florida Statutes:

8. In addition to him/herself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes [Provide Name/Mailing Address]:

9. NoC expiration date (one full year from the date of recording unless different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

R. F. Buddy Miller

7/25/07
Date

Deborah H. Miller

State of FLORIDA
County of Alachua

The foregoing instrument was acknowledged before me this July 25, 2007, by R. F. Buddy Miller (print name of person) as (type of authority, e.g. officer, trustee, attorney in fact) for (name of party on behalf of whom instrument was executed).

Notary Public
Alexander Marelia

NOTARY PUBLIC STATE OF FLORIDA
Alexander Marelia
Commission # DD371876
Expires: DEC. 18, 2008
Bonded Thru Atlantic Bonding Co., Inc.

(SEAL)

Personally Known -OR- Produced Identification

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Claude Harpe Const. - Miller Res.**	Builder:	Harpe Const.
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	25926
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.20
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2159 ft²		
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 42.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.8) 158.0 ft²		HSPF: 7.40
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (SHGC=0.59) 419.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 248.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.92
c. N/A		b. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.92
a. Frame, Wood, Exterior	R=13.0, 2285.0 ft²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 72.0 ft²	(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1466.0 ft²		
b. Under Attic	R=30.0, 896.0 ft²		
c. Under Attic	R=19.0, 256.0 ft²		
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 186.0 ft		
b. N/A			

Glass/Floor Area: 0.19 Total as-built points: 29666 Total base points: 29934 **PASS**

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

PREPARED BY: _____

DATE: 4/3/07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2159.0	18.59	7224.0	1.Double,U=0.78,SHGC=0.	S	0.0	0.0	128.0	31.69	1.00	4056.0
				2.Double,U=0.78,SHGC=0.	W	0.0	0.0	51.0	34.06	1.00	1737.0
				3.Double,U=0.78,SHGC=0.	N	0.0	0.0	158.0	16.82	1.00	2657.0
				4.Double,U=0.78,SHGC=0.	E	0.0	0.0	40.0	37.22	1.00	1488.0
				5.Double,U=0.78,SHGC=0.	SW	0.0	0.0	18.0	35.52	1.00	639.0
				6.Double,U=0.78,SHGC=0.	SE	0.0	0.0	24.0	37.85	1.00	908.0
				As-Built Total:				**419.0**			**11485.0**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	72.0	0.70	50.4	1. Frame, Wood, Exterior	13.0	2285.0	1.50	3427.5
Exterior	2285.0	1.70	3884.5	2. Frame, Wood, Adjacent	13.0	72.0	0.60	43.2
Base Total:	**2357.0**		**3934.9**	**As-Built Total:**		**2357.0**		**3470.7**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	35.0	2.40	84.0	1.Adjacent Insulated	35.0	1.60	56.0
Exterior	70.0	6.10	427.0	2.Exterior Insulated	70.0	4.10	287.0
Base Total:	**105.0**		**511.0**	**As-Built Total:**	**105.0**		**343.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2160.0	1.73	3736.8	1. Under Attic	30.0	1466.0	1.73 X 1.00	2536.2
				2. Under Attic	30.0	896.0	1.73 X 1.00	1550.1
				3. Under Attic	19.0	256.0	2.34 X 1.00	599.0
Base Total:	**2160.0**		**3736.8**	**As-Built Total:**		**2618.0**		**4685.3**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	248.0(p)	-37.0	-9176.0	1. Slab-On-Grade Edge Insulation	0.0	248.0(p	-41.20	-10217.6
Raised	0.0	0.00	0.0					
Base Total:			**-9176.0**	**As-Built Total:**		**248.0**		**-10217.6**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	2159.0	10.21	22043.4	2159.0	10.21	22043.4

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 28274.1			**Summer As-Built Points:**					**31809.8**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 42000btuh ,SEER/EFF(13.2) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			31810	1.00	(1.09 x 1.147 x 0.91)	0.259	0.950	8889.5
28274.1	**0.3250**	**9189.1**	**31809.8**	**1.00**	**1.138**	**0.259**	**0.950**	**8889.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2159.0	20.17	7838.0	1.Double,U=0.78,SHGC=0.	S	0.0	0.0	128.0	12.62	1.00	1614.0
				2.Double,U=0.78,SHGC=0.	W	0.0	0.0	51.0	19.27	1.00	982.0
				3.Double,U=0.78,SHGC=0.	N	0.0	0.0	158.0	22.72	1.00	3589.0
				4.Double,U=0.78,SHGC=0.	E	0.0	0.0	40.0	17.56	1.00	702.0
				5.Double,U=0.78,SHGC=0.	SW	0.0	0.0	18.0	15.72	1.00	282.0
				6.Double,U=0.78,SHGC=0.	SE	0.0	0.0	24.0	13.89	1.00	333.0
				As-Built Total:				**419.0**			**7502.0**
WALL TYPES	Area X	BWPM =	Points	Type		R-Value		Area X	WPM =		Points
Adjacent	72.0	3.60	259.2	1. Frame, Wood, Exterior		13.0		2285.0	3.40		7769.0
Exterior	2285.0	3.70	8454.5	2. Frame, Wood, Adjacent		13.0		72.0	3.30		237.6
Base Total:	**2357.0**		**8713.7**	**As-Built Total:**				**2357.0**			**8006.6**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	35.0	11.50	402.5	1.Adjacent Insulated				35.0	8.00		280.0
Exterior	70.0	12.30	861.0	2.Exterior Insulated				70.0	8.40		588.0
Base Total:	**105.0**		**1263.5**	**As-Built Total:**				**105.0**			**868.0**
CEILING TYPES	Area X	BWPM =	Points	Type		R-Value		Area X	WPM X	WCM =	Points
Under Attic	2160.0	2.05	4428.0	1. Under Attic		30.0		1466.0	2.05 X	1.00	3005.3
				2. Under Attic		30.0		896.0	2.05 X	1.00	1836.8
				3. Under Attic		19.0		256.0	2.70 X	1.00	691.2
Base Total:	**2160.0**		**4428.0**	**As-Built Total:**				**2618.0**			**5533.3**
FLOOR TYPES	Area X	BWPM =	Points	Type		R-Value		Area X	WPM =		Points
Slab	248.0(p)	8.9	2207.2	1. Slab-On-Grade Edge Insulation		0.0		248.0(p	18.80		4662.4
Raised	0.0	0.00	0.0								
Base Total:			**2207.2**	**As-Built Total:**				**248.0**			**4662.4**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	2159.0	-0.59	-1273.8					2159.0	-0.59		-1273.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**23176.6**	**Winter As-Built Points:**					**25298.5**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 42000 btuh ,EFF(7.4) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
23176.6	0.5540	12839.8	25298.5 **25298.5**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.461 **0.461**	0.950 **0.950**	12871.1 **12871.1**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	40.0	0.92	3	0.50	2635.00	1.00	3952.5	
				40.0	0.92	3	0.50	2635.00	1.00	3952.5	
				As-Built Total:							7905.0

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
9189	**12840**	**7905**	**29934**	**8890**	**12871**	**7905**	**29666**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.6

The higher the score, the more efficient the home.

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family	a.	Central Unit	Cap: 42.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.20
4.	Number of Bedrooms	3	b.	N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	2159 ft²	c.	N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble, U=0.8) 158.0 ft²	a.	Electric Heat Pump	Cap: 42.0 kBtu/hr
b.	SHGC:				HSPF: 7.40
	(or Clear or Tint DEFAULT)	7b. (SHGC=0.59) 419.0 ft²	b.	N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 248.0(p) ft	c.	N/A	
b.	N/A				
c.	N/A		14.	Hot water systems	
9.	Wall types		a.	Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 2285.0 ft²			EF: 0.92
b.	Frame, Wood, Adjacent	R=13.0, 72.0 ft²	b.	Electric Resistance	Cap: 40.0 gallons
c.	N/A				EF: 0.92
d.	N/A		c.	Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 1466.0 ft²	15.	HVAC credits	PT,
b.	Under Attic	R=30.0, 896.0 ft²		(CF-Ceiling fan, CV-Cross ventilation,	
c.	Under Attic	R=19.0, 256.0 ft²		HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 186.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

Notice of Treatment 12661

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Bayshore
City Lake City Phone 752-1703

Site Location: Subdivision
Lot # 10 Block# Permit # 25929
Address 7822 N US Hwy 41

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☑ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☑ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	2129	200	5gals

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

8-15-07 2:20 FRED
Date Time Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

Notice of Treatment 41687

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 116 NW 16 AVE
City GVILLE Phone 376-2661

Site Location: Subdivision
Lot # Block# Permit # 25926
Address 230 SW SUNFLOWER CT FORT WHITE, FL

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
MB-GR6-PRCHS	3,676	280.4	274

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

8/22/07 Date | 11:11 Time | DAVID REED Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0705-76

Harpe Construction Inc., Owners Debra & Buddy Miller Property ID# 18-6s-17-09696-101

On the date of May 30, 2007 application 0705-76 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0705-76 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

1. The floor plan shows that an unfinished attic bonus room will be located over the garage area. Section R309.2 of the Florida Residential Building

Code 2004 (FRBC-2004) requires that the garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.

2. Show within a drawing the stairwell design which will verify that the stairs and stairwell complies with section R311.5

Stairways.R311.5.1 Width: Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails are provided on both sides.

R311.5.2 Headroom: The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2036 mm) measured vertically from the sloped plane adjoining the tread nosing or from the floor surface of the landing or platform.

311.5.3 Stair treads and risers.

R311.5.3.1 Riser height: The maximum riser height shall be 7¾ inches (196 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

R311.5.3.2 Tread depth: The minimum tread depth, exclusive of nosing, shall be not less than 9 inches (229 mm). Treads and risers of stairs shall be permitted to be so proportioned that the sum of two risers and a tread, exclusive of projection of nosing, is not less than 24 inches (610 mm) nor more than 25 inches (635 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305) mm from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the greatest winder tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by more than 3/8

inch (9.5 mm). Also show the type doors to provide for the required fire separation of 20 minutes between the habitable rooms and the garage area.

3. The area under the stairwell is shown as to house a water heater along with general storage, provide a drawing show the design method to provide for draftstopping and fire blocking of the underside of the stairwell. The entry door to the storage area under the stairwell will not require to be fire rated provided the under side of the stairwell is protected with 5/8-inch (15.9 mm) Type X gypsum board or equivalent.
4. After reviewing the truss plan layout designed by Mayo Truss Company. Trusses numbered D3 & D4 will need to be supported by a load bearing wall which will require an interior load bearing foundation. Please show on the foundation plan this foundation design.
5. Please have Schaffer Engineering, LLC provide for field inspection proposes the header or beam sizes which will span the 16' garage door opening, also provide the attachment method to the foundation and shear walls of this header or beam.
6. Please have Schaffer Engineering, LLC provide for field inspection proposes the post and header sizes, which will support and attach to the trusses over the porch area, also include the method of attachment of the posts to the foundation and the header to the posts.
7. On the electrical plans verify that AFCI overcurrent protection device will be installed in all bedroom.
8. Please verify the electrical plans, that smoke alarms will be installed in the required location. Smoke alarms shall be installed in the following locations: in each sleeping room, and outside separate sleeping area in the immediate vicinity of the bedrooms. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. The attic area over the garage is considered a habitable area. When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed. All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.

9. 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.

10. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.

11. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.

12. Please make application for an assignment of a 911 address for this single family dwelling site, by contacting Mr. Ronnie McCardel at the Emergency Management - 911 office (386) 758-1125.

Thank You:

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Phone Number 386-758-4507
Fax Number 386-754-7088

FAX TRANSMITTAL

To: Harpe Construction Inc

From: Joe Haltiwanger
Date Sent: 05/30/07

CC: Building permit application **0705-76**
Number of Pages: *Five pages* including the cover page
Fax: (352) 331-1222
Message: Reference to building permit application Number: **0705-76**
Debra & Buddy Miller single family dwelling

HARPE - MILLER

FL

NOTE: 2006.1 Allowable Stress Design
1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWN VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND AND SEISMIC BRACING, AND OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT
2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY
3. DO NOT CUT, NOTCH OR DRILL LP LVL
4. SHIM ALL BEARINGS FOR FULL CONTACT
5. VERIFY DIMENSIONS BEFORE CUTTING LP LVL TO SIZE.
6. THIS LP LVL IS TO BE USED AS A ROOF BEAM ONLY
MAKE PROVISION FOR ADEQUATE DRAINAGE.
7. PROVIDE COMPRESSION EDGE BRACING AT EACH END OF COMPONENT

DESIGN ASSUMES COMPONENTS CARRIED ARE APPLIED TO TOP EDGE OF LP LVL SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACH PLY ATTACH THE TWO PLIES WITH 3 ROWS OF 16d (3-1/2") NAILS AT 12" OC. STAGGER ROWS. NAILS CAN BE DRIVEN FROM ONE FACE OR HALF FROM EACH FACE. NAILS MAY BE COMMON OR BOX NAILS WITH A MINIMUM SHANK DIAMETER OF 0.131". 16d SINKERS (3-1/4") MAY BE USED, BUT HALF MUST BE DRIVEN FROM EACH FACE.

LOAD TABLE

NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADING ARE CHECKED AS REQUIRED.
(DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER.)

2 BEAMS 1.75 X 16.000 LP LVL2650Fb-1.9E
DESIGN CONSISTS OF 2 - PLIES FASTENED TOGETHER (REFER TO NOTES).

DISTRIBUTION	SOURCE	TYPE	TOP/SIDE	LOAD	FROM FT-IN-SX	TO FT-IN-SX	LOAD	LDF
UNIFORM	WALL	DEAD	TOP	110 PLF	02-10-00	14-02-00		0.90
UNIFORM	ROOF	LIVE	TOP	80 PLF	02-10-00	14-02-00		1.00
UNIFORM	ROOF	LIVE	TOP	40 PLF	00-00-00	17-00-00		1.00
UNIFORM	ROOF	DEAD	TOP	40 PLF	00-00-00	17-00-00		0.90
UNIFORM	ROOF	DEAD	TOP	20 PLF	02-10-00	14-02-00		0.90
UNIFORM	BEAM	WEIGHT		16 PLF	00-00-00	17-00-00		0.90

WARNING NOTES

THIS COMPONENT DESIGN IS SPECIFICALLY FOR L-P ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN LP LVL OR LP I-JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL.

MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE LP LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS

ANCHOR LP LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS

DESIGN CRITERIA :
MSI: 0.31
VSI: 0.18

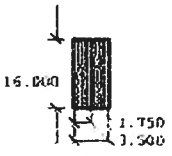
LIVE LOAD	=	20 PSF
DEAD LOAD	=	20 PSF
TOTAL LOAD	=	90 PSF

ROOF LEFT SPAN CAMB. : 0.00 FT
ROOF RIGHT SPAN CAMB. : 0.00 FT

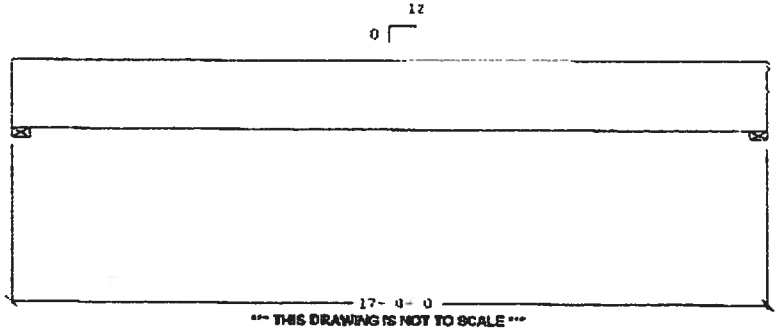
DEFLECTION CRITERIA :
LIVE LOAD DEFL: L / 240
TOTAL LOAD DEFL L / 180

CODE COMPLIANCES :

	REPORT #
ICBO	ER-5004
L.A. City	RR 25167
CCMC	11518-R
WISCONSIN	200124-M
NER	522
N.Y. CITY	MEA 97-94-E
HUD	MR 1214D



CROSS SECTION



*** THIS DRAWING IS NOT TO SCALE ***

SUPPORT REACTIONS (LBS):

MAXIMUM BEARING NUMBER	1	2
DOWN	2006	2006
UPLIFT	---	---

MIN BEARING SIZES (IN-SX)
b- 0 b- 0

	MAXIMUM DEFLECTIONS CALCULATED	ALLOWABLE
LIVE LOAD	0.08"	0.82"
*DEAD LOAD	0.19"	
TOTAL LOAD	0.27"	1.10"

Handling & Erection

Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all the framing and fastening are completed. At no time shall loads greater than design loads be applied to the component.

Design Criteria

The design and material specified are in substantial conformity with the latest revisions of NDS and ANSI. * Dead load deflection includes adjustment factor for creep. Total load deflection is instantaneous.

Miscellaneous Information

The use of this component shall be specified by the designer of the complete structure. Obtain all the necessary code compliance approval and instructions from the designers of the complete structure before using this component. If the design criteria listed above does not meet local building code requirements, do not use this design. When this drawing is signed and sealed, the structural design is approved as shown in this drawing based on data provided by the customer. LP LVL and CTR, LP I-Joists are made without camber and will deflect under load. Wood in direct contact with concrete must be protected as required by code. Continuous lateral support is assumed (wall, floor beam, etc.). LP does not provide on-site inspection. This drawing must have an Architects or Engineer's seal affixed to be considered an Engineering document.

LP LVL and CTR, LP I-Joist Specifications

* Supports and connections for LP LVL and CTR, LP I-Joists to be specific applications.
* Common nails driven parallel to glue lines shall be spaced a minimum of 4" for 16d and 3" for 8d.
* Do not cut, notch, drill or alter LP LVL and CTR, LP I-Joists except as shown in published material from LP any use of LP LVL and CTR, LP I-Joists contrary to the limits set forth herein negates any express warranty of the product and LP disclaims all implied warranties including the implied warranties of merchantability and fitness for a particular use.

* A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR

LP is a registered trademark of Louisiana-Pacific Corporation.

Software Provided By:
LP Engineered Wood Products
2706 Highway 421 North
Wilmington, NC 28401
Local 910.762.9878
National Wats 800 999 9105

05/31/07 SBCCI

DWG #_____

SHEET #_____

File: C:\Program Files\LPWood-E Design\2006.1.1\wood-e.spx

RESIDENTIAL WIND DESIGN & ANALYSIS

NO COPIES ARE TO BE PERMITTED

PREPARED FOR:

HARPE CONSTRUCTION \ THE MILLER RESIDENCE

SCHAFER ENGINEERING, LLC
7104 N.W. 42ND LANE
GAINESVILLE FL 32606
386-462-1340 / 352-375-6329

SUMMARY
OF WIND DESIGN & ANALYSIS

Trusses: Lumber type So. Pine Grade #1 #2 #3 Size 2 x 4 Spacing 24 in.

Roof sheathing: Type OSB Size 7/16 Fastener type Nails Size 8d/131 Ring Shank
Interior zone spacing: Interior 6 in. Periphery 3.5 in. R803.2.3.1
Edge and end zone spacing: Interior 6 in. Periphery 3.5 in.

Top double pl: Type Spruce Grade #1 #2 Size 2 x 4 Nail spacing 10 in.

Studs: Wood or Steel: Wood Type Spruce Grade #1 #2 Size 2 x 4
Interior stud spacing 16 in. Composite (yes or no) Y
End stud spacing 16 in. Composite (yes or no) Y

Shearwall siding: Type OSB Thickness 7/16 in.
Trans: Fastener 8d/131 Spacing: Int 8 in. Edge 3.5 in.
Long: Fastener 8d/131 Spacing: Int 8 in. Edge 3.5 in.

Allowable unit shear on shearwalls: 371 **pounds per linear foot**

Wall tension transferred by: Siding nails 8d/131 @ 3.5 O.C. edges

Foundation anchor bolts: Concrete strength 3000 psi
Size 1/2 in. Shape L Washer 2" Embedment 7 in.
Location of first anchor bolt from corner 8 in.

Anchor Bolts @ 48" O.C. Model A307 Loc. from corner 8 in.

Type of foundation: 1 #5 rebar continuous required in bond beam.

Floor slab 4 in. CMU: Size 8 x 16 in. Height 24 in. Reinf. # 5 at 72 in.
Monolithic footing: Depth 20 in. Bottom width 12 in.

Footing: Width 20 in. Depth 10 in. Reinforcing _____ --# _____ bars
Interior Footings: 16" W X 10" D

Porch Columns: 4X4X 9' SYP #2 PT @ 120" O.C. Simpson CBSQ44/CCQ44 or equal

Porch Column Fasteners: _____

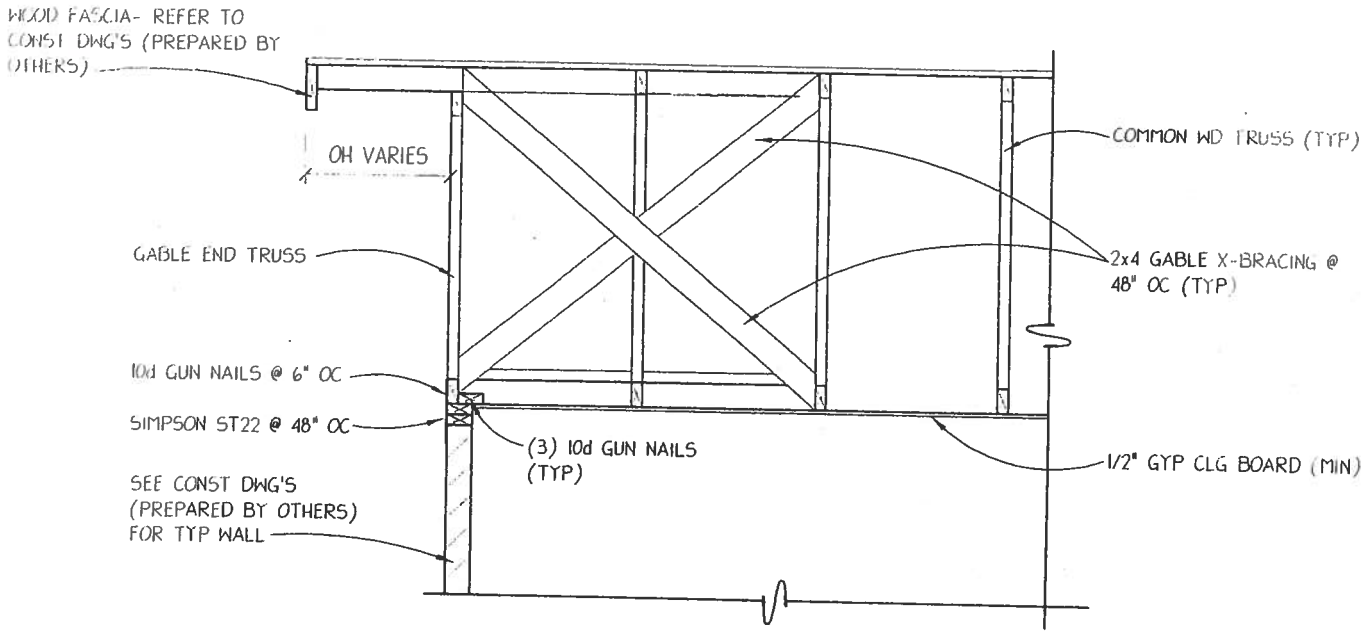
Install Simpson MCS16 or equal @ 32" O.C. attaching dormer walls to truss below

NOTE: Install Ceiling diaphragm on open porches using same nails & nail patterns as Roof sheathing.

1. Balloon frame ALL gable ends unless this summary is accompanied by Gable End Wall Brace detail.
2. All trusses must bear on exterior walls & porch beams.
3. All walls to be nailed with same nailing pattern as shearwalls.
4. This is a windload only, NOT a structural analysis.
5. This windload is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be anchored and supported in accordance to the truss engineering.
9. Wind design and analysis valid for one use only, no copies permitted.
10. The foundation is for minimum design use and may be increased.
11. All headers over 12 feet to be pre-engineered.

Miller P.E.

12-20-06
48984
7104 NW 42nd LN
GVILLE FL



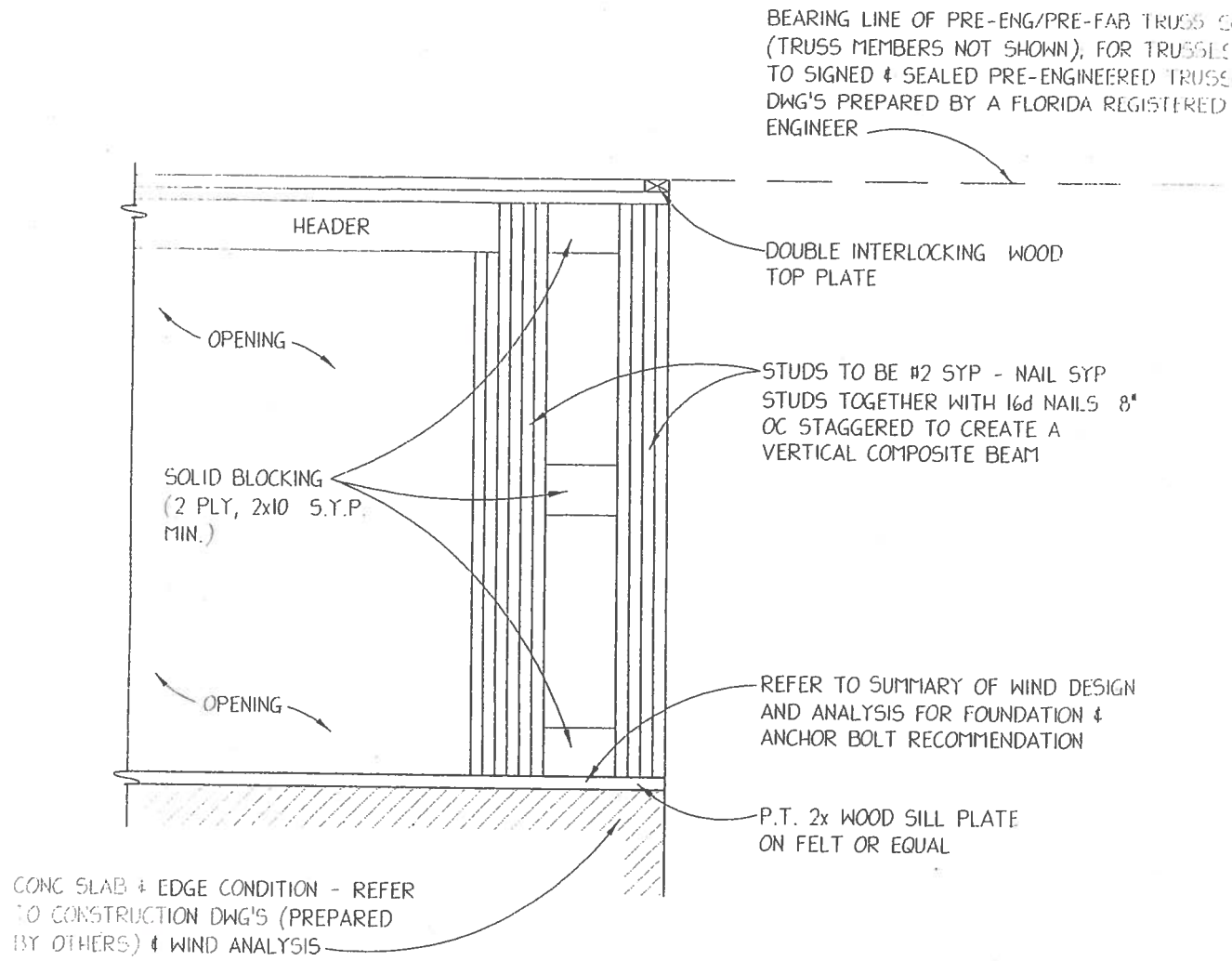
THIS WIND ANALYSIS ASSUMES IDEAL SOIL CONDITIONS W/MIN 2500 PSI SOIL BRG CAPACITY & 95% DRY PROCTOR DENSITIES

GABLE END DETAIL

SCALE: 1/2" = 1'-0"

NOTE:
INSTALL AND ERECT ALL TRUSS MEMBERS IN STRICT CONFORMANCE WOTH THE PRE-ENGINEERED ROOF TRUSS MANUFACTURERS ERECTION SHEET ACCOMPANYING THE TRUSS PACKAGE. IF NOT AVAILABLE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SUPPLIER TO OBTAIN ERECTION & BRACING SHEET.

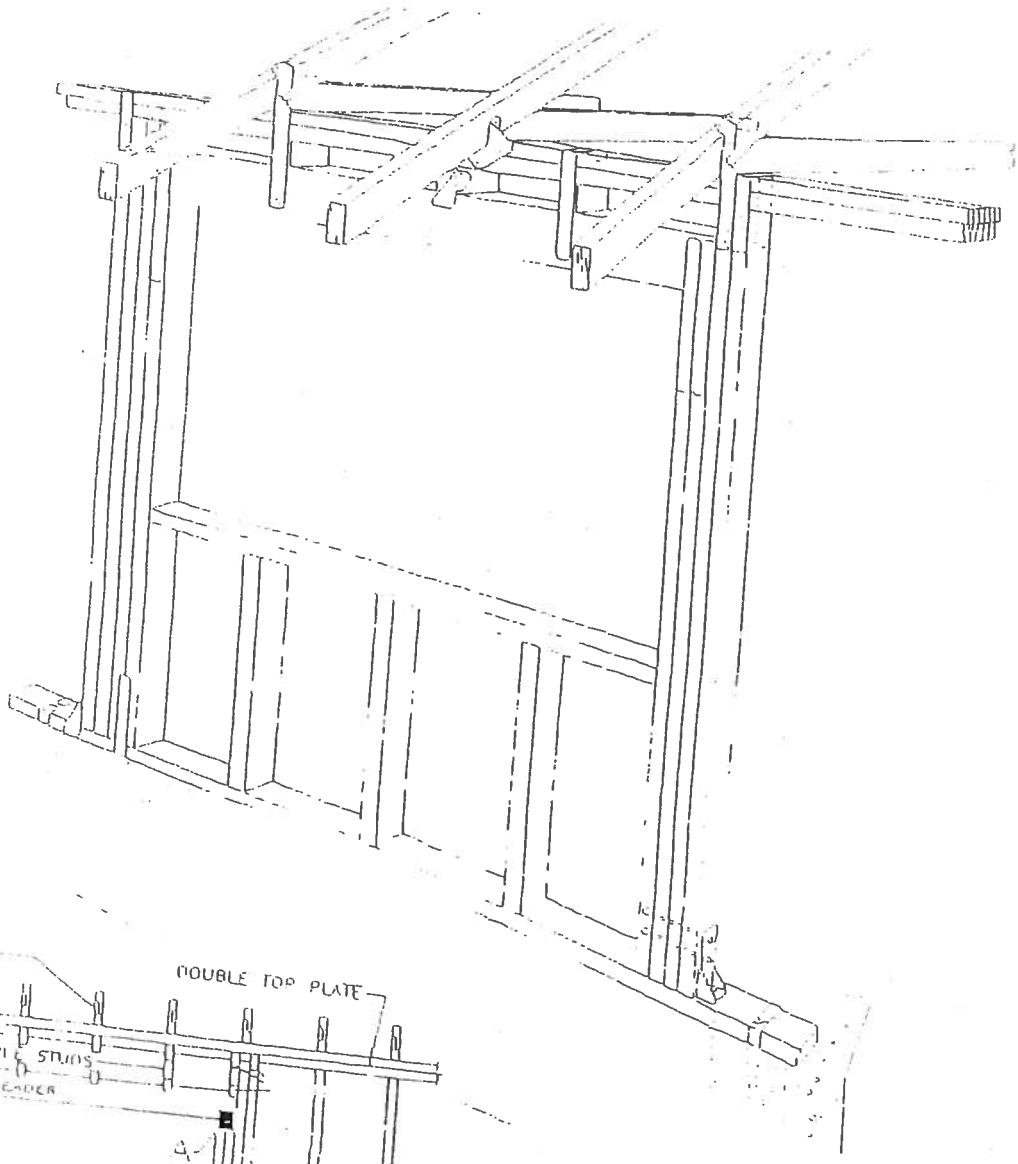
12-20-06
46988
7104 NW 42nd Ln.
Gville FL

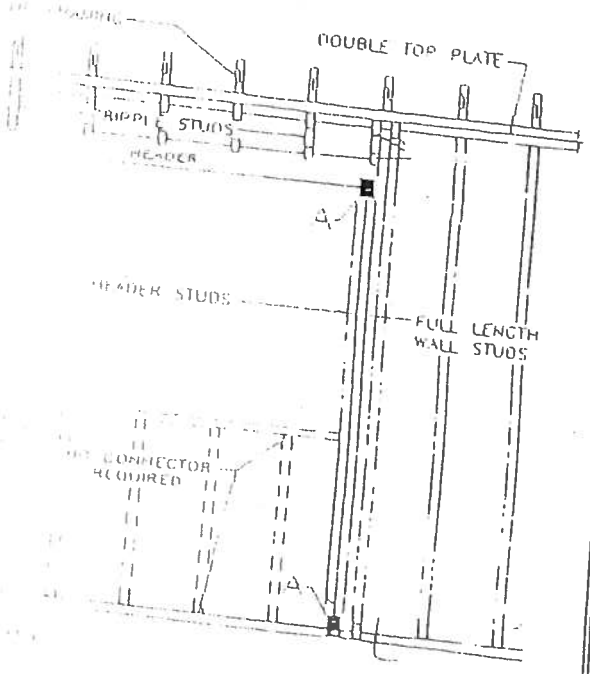


MINIMUM 2'-0" SHEAR WALL SEGMENT

NOTE: ALLOWABLE EQUIVALENT SHEAR WALL EQUAL TO 1.5 TIMES THE ACTUAL WALL SEGMENT LENGTH. MINIMUM WALL SEGMENT LENGTH OF 2'-0" WHICH EQUATES TO A 3'-0" SHEAR WALL SEGMENT. SEE WINDLOAD ANALYSIS FOR NAIL SIZES AND SPACING ON SHEATHING.

Miller Rd
12-20-06
48984
7104 NW 42nd Ln
Ocala FL





Unsupported Wall Height	Stud Spacing	Maximum Header Span (ft.)					
		3'	6'	9'	12'	15'	18'
		Number of Header Studs Supporting End of Header					
		1	1	2	2	2	3
		Number of Full Length Studs at Each End of Header					
10' or less	12 in.	2	2	3	3	4	3
	16 in.	2	2	3	4	4	3
	24 in.	1	2	2	3	3	2
greater than 10'	12 in.	2	2	3	4	5	5
	16 in.	2	2	3	3	4	4
	24 in.	1	2	2	2	3	3

Total each truss uplift on the header divide by 2 for header anchorage

TIE-DOWN TABLES

HEADERS				
Uplift Force Lbs	Top Connector **	Rating Lbs	Bottom Connector **	Rating Lbs
to 455	LSTA9	725	H3	455
to 910	LSTA12	905	2-H3	910
to 1265	LSTA18	1265	LTT19	1350
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2565
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3700
Total uplift for each truss resting on the header and divide by 2 to determine the uplift force. Use proper bolt anchors sufficient to support required load.				

TRUSSES/GIRDERS		
Uplift Force Lbs	Top Connector **	Bottom Connector **
to 500	H2.5	N/A
501-1049	H10	N/A
1050-1350	TS22	LTT19
1351-1750	2-TS22	LTT20
1751-2570	2-TS22	HD2A
2571-3665	3-TS22	HD5A
3666-5260	2-MST148	HTT22
5261-8300	2-MST48	HD10A
Two 12d common toenails are required per truss/rafter per bearing point into plate. Use proper bolt anchors. Strap rafters to truss or at each end with minimum uplift resistance of 450# each end. Strap ridge beam at each end with minimum uplift resistance of 1000#. It is the contractors responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation.		

	Top Connector **	Rating Lbs	Bottom Connector **	Rating
BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (max 17' spacing)	2-LSTA18	2400	ABU44	2300
*or per truss engineering Use proper bolt anchors All beams to be sheathed or strapped to Double Top Plate when applicable.				

CRIPPLES	Sheathing nailing alone adequate w/8d nails @ 3" O.C.

STUDS
Wall sheathing nailing Adequate exterior walls bottom w/8d nails @ 3" O.C.
Use SP1 & SP2 @ 32" O.C. on all bearing walls.
Interior anchor bolts to be ½" x 8" A307 or ½" x 7" wedge anchor or equivalent.

** Equivalent Simpson hardware, or other manufacturer, may be substituted for any of the hardware specified on this page as long as it meets the required load capacities/uplift resistance.

NOTE:

1. For nailing into SPF members, multiply table values by .86
2. See truss engineering for anchor tie-down values.

ASCE 7-02

11/16/06

Wind Load Design per ASCE 7-02

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	40	Deg
Type of Roof	Hipped	
Eave Height (Eht)	9.00	ft
Ridge Height (RHt)	27.52	ft
Mean Roof Height (Ht)	19.61	ft
Width Perp. to Wind (B)	72.33	ft
Width Parallel to Wind (L)	70.33	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.28
Flexible Structure	No

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.8794	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8539	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	V*(5280/3600)	161.33	ft/s
Vzm	bm*(zm/33)^Am*Vhref	70.89	ft/s
NF1	NatFreq*Lzm/Vzm	4.37	Hz
Rn	(7.47*NF1)/(1+10.302*NF1)^1.667	0.0552	
Nh	4.6*NatFreq*Ht/Vzm	1.27	
Nb	4.6*NatFreq*B/Vzm	4.69	
Nd	15.4*NatFreq*Depth/Vzm	15.28	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.5013	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.1904	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0633	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.5429	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	0.99	

Gust Factor Summary			
Main Wind-force resisting system:		**Components and Cladding:**	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.85	Gust Factor (G)	0.85

ASCE 7-02

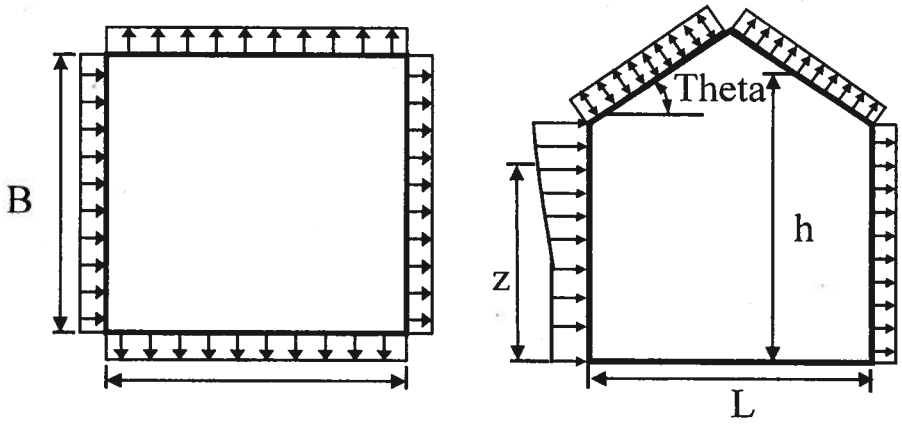
Wind Load Design per ASCE 7-02

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev.	Kz	Kzt	Kd	qz	Pressure (lb/ft^2)	
					Windward Wall*	
ft			1.00	lb/ft^2	+GCpi	-GCpi
27.52	0.70	1.00	1.00	21.70	11.36	18.28
20	0.70	1.00	1.00	21.70	11.36	18.28
19.61	0.70	1.00	1.00	21.70	11.36	18.28
15	0.70	1.00	1.00	21.70	11.36	18.28

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.62	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*ImpFac*Kh*Kht*Kd	19.22	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 72.33 ft wall)	-0.50	-11.66	-4.75
Leeward Walls (Wind Dir Parallel to 70.33 ft wall)	-0.49	-11.57	-4.65
Side Walls	-0.70	-14.95	-8.03
Roof - Normal to Ridge (Theta>=10)			
Windward - Max Negative	0.00	0.00	0.00
Windward - Max Positive	0.00	0.00	0.00
Leeward Normal to Ridge	-0.60	-13.31	-6.39
Overhang Top	0.00	0.00	0.00
Overhang Bottom	0.80	0.68	0.68
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 9.805 ft	-0.90	-18.23	-11.31

ASCE 7-02

Wind Load Design per ASCE 7-02

Dist from Windward Edge: 9.805 ft to 19.61 ft	-0.90	-18.23	-11.31
Dist from Windward Edge: 19.61 ft to 39.22 ft	-0.50	-11.66	-4.75
Dist from Windward Edge: > 39.22 ft	-0.30	-8.38	-1.46

* Horizontal distance from windward edge

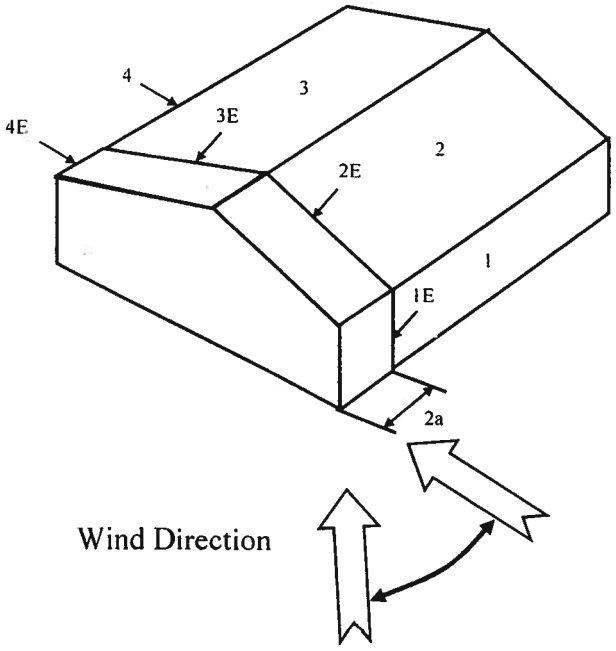
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.62
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	19.22

Case A						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	0.56	0.18	-0.18	21.70	8.25	16.06
2	0.21	0.18	-0.18	21.70	0.65	8.46
3	-0.43	0.18	-0.18	21.70	-13.24	-5.43
4	-0.37	0.18	-0.18	21.70	-11.94	-4.12
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.69	0.18	-0.18	21.70	11.07	18.88
2E	0.27	0.18	-0.18	21.70	1.95	9.77
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

* p = qh * (GCpf - GCpi)



ASCE 7-02

Wind Load Design per ASCE 7-02

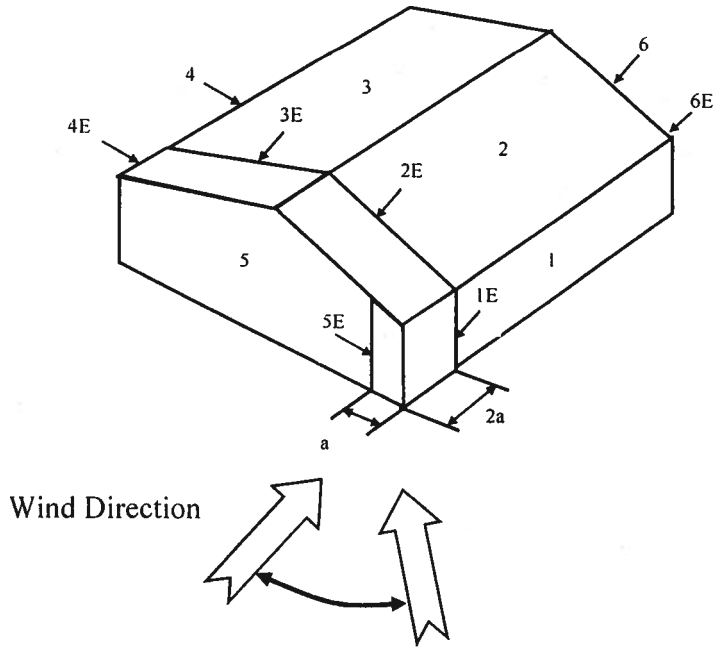
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.62
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	19.22

Case B						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

* p = qh * (GCpf - GCpi)

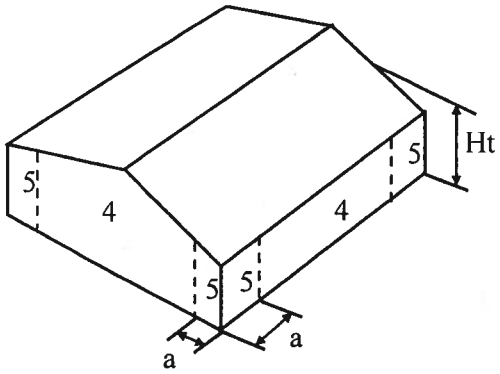


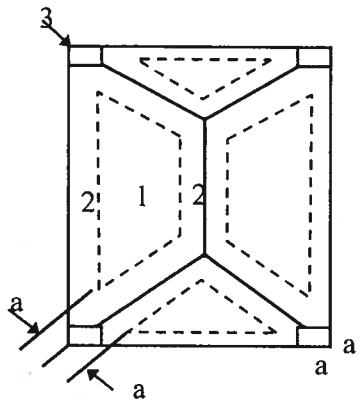
ASCE 7-02

Wind Load Design per ASCE 7-02

Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Hipped Roof
10 < Theta <= 30

a = 7.033 ==> 7.03 ft

Component	Width (ft)	Length (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
	16	7	112.00	5	0.81	-1.03	19.12	-23.24
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
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	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

ASCE 7-02

Wind Load Design per ASCE 7-02

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.41	-19.87	-11.66
	P (-GCpi) -psf	5.51	-12.95	-4.75
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.43	-19.87	-11.66
	P (-GCpi) -psf	3.43	-19.87	-11.66

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, Cf

Variable	Description	Value	
L	Roof dimension normal to wind direction	70.33	ft
B	Roof dimension parallel to wind direction	72.33	ft
L/B	Ratio of L to B	0.972	
Theta	Slope of Roof	40	Deg
Cf	Force Coefficient	0.00	
X	Distance to center of pressure from windward edge	0.00	ft

RE: HARPE-MILLER -

Site Information:
Project Customer: HARPE CONSTRUCTION Project Name: MILLER
Lot/Block: - Subdivision: -
Address: -
City: COLUMBIA COUNTY State: FL

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: FBC2004/TPI2002 Design Program: Robbins OnLine Plus 21.0.031□
Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 72 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	No.	Seal#	Truss Name	Date
1	T2553420	A1	5/23/07	18	T2553437	C4	5/23/07
2	T2553421	A2	5/23/07	19	T2553438	C5	5/23/07
3	T2553422	A3	5/23/07	20	T2553439	CJ1	5/23/07
4	T2553423	A4	5/23/07	21	T2553440	CJ2	5/23/07
5	T2553424	A5	5/23/07	22	T2553441	CJ3	5/23/07
6	T2553425	A6	5/23/07	23	T2553442	D1	5/23/07
7	T2553426	A7	5/23/07	24	T2553443	D2	5/23/07
8	T2553427	A8	5/23/07	25	T2553444	D3	5/23/07
9	T2553428	B1	5/23/07	26	T2553445	D4	5/23/07
10	T2553429	B2	5/23/07	27	T2553446	D5	5/23/07
11	T2553430	B3	5/23/07	28	T2553447	D6	5/23/07
12	T2553431	B4	5/23/07	29	T2553448	E1	5/23/07
13	T2553432	B5	5/23/07	30	T2553449	E2	5/23/07
14	T2553433	B6	5/23/07	31	T2553450	E3	5/23/07
15	T2553434	C1	5/23/07	32	T2553451	E4	5/23/07
16	T2553435	C2	5/23/07	33	T2553452	F1	5/23/07
17	T2553436	C3	5/23/07	34	T2553453	F2	5/23/07

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: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2009.

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.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007
ORegan, Philip

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

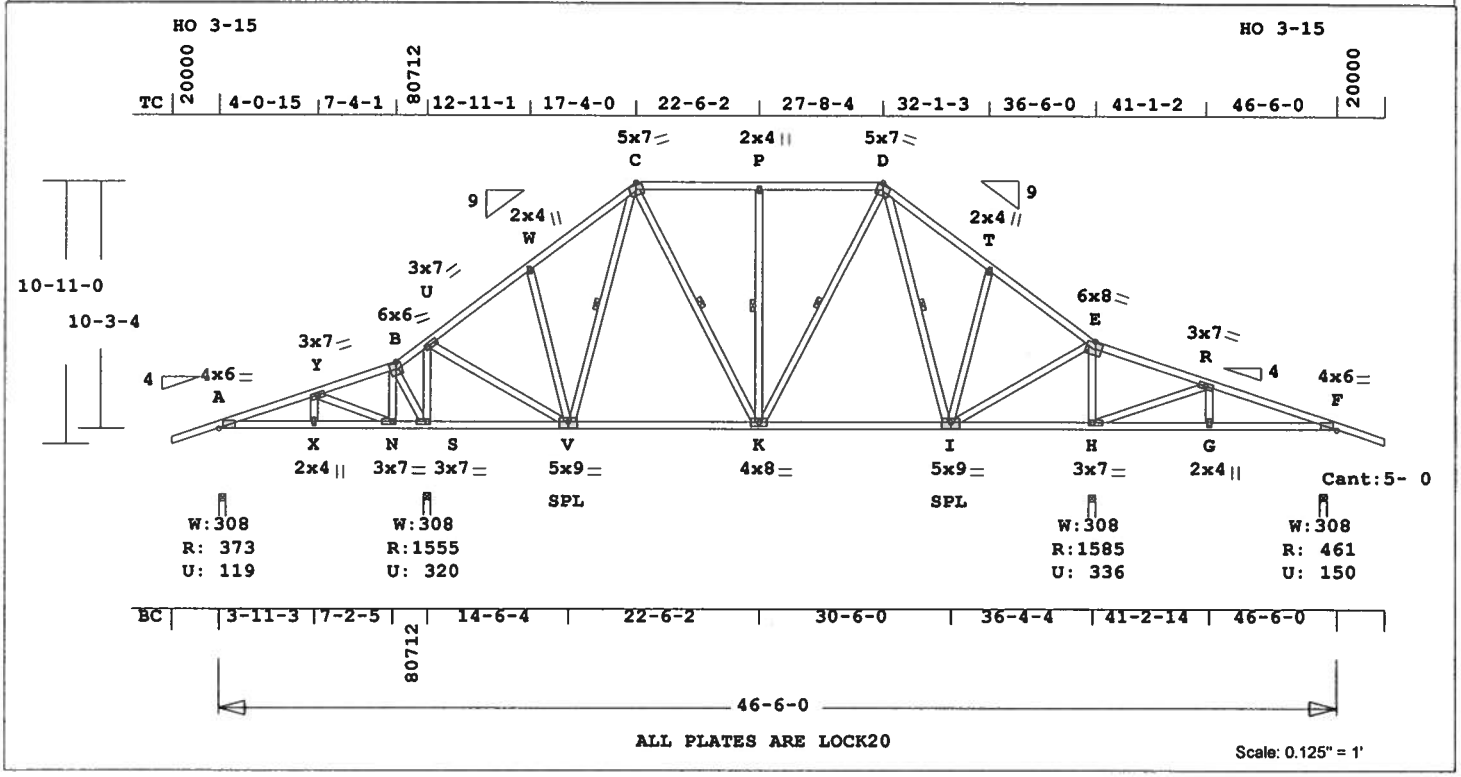
RE: HARPE-MILLER -

Site Information:
Project Customer: HARPE CONSTRUCTION Project Name: MILLER
Lot/Block: - Subdivision: -
Address: -
City: COLUMBIA COUNTY State: FL

No.	Seal#	Truss Name	Date
35	T2553454	F3	5/23/07
36	T2553455	F4	5/23/07
37	T2553456	F5	5/23/07
38	T2553457	F6	5/23/07
39	T2553458	F7	5/23/07
40	T2553459	F8	5/23/07
41	T2553460	G1	5/23/07
42	T2553461	G2	5/23/07
43	T2553462	H1	5/23/07
44	T2553463	J1	5/23/07
45	T2553464	J2	5/23/07
46	T2553465	J3	5/23/07
47	T2553466	J3A	5/23/07
48	T2553467	J3B	5/23/07
49	T2553468	J4	5/23/07
50	T2553469	J5	5/23/07
51	T2553470	J5A	5/23/07
52	T2553471	J6	5/23/07
53	T2553472	J7	5/23/07
54	T2553473	J8	5/23/07
55	T2553474	J9	5/23/07
56	T2553475	J10	5/23/07
57	T2553476	J11	5/23/07
58	T2553477	J12	5/23/07
59	T2553478	JG1	5/23/07
60	T2553479	M1	5/23/07
61	T2553480	M2	5/23/07
62	T2553481	M3	5/23/07
63	T2553482	P1	5/23/07
64	T2553483	P2	5/23/07
65	T2553484	P3	5/23/07
66	T2553485	P4	5/23/07
67	T2553486	P5	5/23/07
68	T2553487	P6	5/23/07
69	T2553488	P7	5/23/07
70	T2553489	P8	5/23/07
71	T2553490	P9	5/23/07
72	T2553491	P10	5/23/07

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A1	3	SP	460600	4	2- 0- 0	2- 0- 0	T2553420

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 382.9 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
TC	24.0"	17- 4- 0	27- 8- 4
TC	Cont.	27- 8- 4	46- 6- 0
BC	Cont.	0- 0- 0	46- 6- 0

WB 1 rows CLB on V -C
WB 1 rows CLB on C -K
WB 1 rows CLB on K -P
WB 1 rows CLB on K -D
WB 1 rows CLB on D -I
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	374	119 U	225 R
S	1555	320 U	
H	1586	337 U	
F	461	151 U	219 R

Jt	Brg Size	Required
A	3.5"	1.5"
S	3.5"	1.7"
H	3.5"	1.7"
F	3.5"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -Y	0.15	390 T	0.05 0.10
Y -B	0.13	154 T	0.01 0.12
B -U	0.16	308 T	0.05 0.11
U -W	0.20	754 C	0.00 0.20
W -C	0.20	695 C	0.05 0.15
C -P	0.24	704 C	0.00 0.24
P -D	0.24	704 C	0.00 0.24
D -T	0.17	688 C	0.04 0.13
T -E	0.22	754 C	0.00 0.22
E -R	0.31	244 T	0.03 0.28
R -F	0.28	404 C	0.00 0.28
Bottom Chords			
A -X	0.12	341 C	0.05 0.07
X -N	0.09	341 C	0.05 0.04
N -S	0.13	178 T	0.00 0.13
S -V	0.26	320 T	0.00 0.26
V -K	0.40	573 T	0.05 0.35
K -I	0.40	573 T	0.05 0.35
I -H	0.26	267 T	0.00 0.26
H -G	0.18	392 T	0.03 0.15
G -F	0.14	392 T	0.03 0.11
Webs			
X -Y	0.02	159 C	
Y -N	0.07	548 T	
N -B	0.03	307 C	
B -S	0.03	273 T	
S -U	0.21	1300 C	
U -V	0.18	967 T	
W -V	0.16	278 C	
V -C	0.03	114 T	1 Br
C -K	0.05	275 T	1 Br
K -P	0.10	317 C	1 Br
K -D	0.05	275 T	1 Br
D -I	0.04	114 C	1 Br
I -T	0.15	267 C	
I -E	0.17	931 T	
H -E	0.21	1242 C	
H -R	0.22	678 C	
G -R	0.02	192 T	

TL Defl -0.14" in K -I L/999
LL Defl -0.06" in K -I L/999
Shear // Grain in E -R 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.90
Y	LOCK	3.0x 7.0	Ctr	Ctr	0.42
B	LOCK	6.0x 6.0	Ctr	Ctr	0.86
U	LOCK	3.0x 7.0	Ctr	Ctr	0.49
W	LOCK	2.0x 4.0	Ctr	Ctr	0.52
C	LOCK	5.0x 7.0	0.3-4.1		0.95
P	LOCK	2.0x 4.0	Ctr	Ctr	0.52
D	LOCK	5.0x 7.0	-0.3-4.1		0.94
T	LOCK	2.0x 4.0	Ctr	Ctr	0.52
E	LOCK	6.0x 8.0	-0.9	0.3	0.86
R	LOCK	3.0x 7.0	Ctr	Ctr	0.42
F	LOCK	4.0x 6.0	Ctr	0.1	0.90
X	LOCK	2.0x 4.0	Ctr	Ctr	0.52
N	LOCK	3.0x 7.0	Ctr	Ctr	0.53
S	LOCK	3.0x 7.0	Ctr	Ctr	0.56
V	LOCK	5.0x 9.0	Ctr	-0.5	0.86
K	LOCK	4.0x 8.0	Ctr	Ctr	0.51
I	LOCK	5.0x 9.0	Ctr	-0.5	0.86
H	LOCK	3.0x 7.0	Ctr	Ctr	0.54
G	LOCK	2.0x 4.0	Ctr	Ctr	0.52

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:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0	8- 7-12
36- 4- 4	46- 1- 0

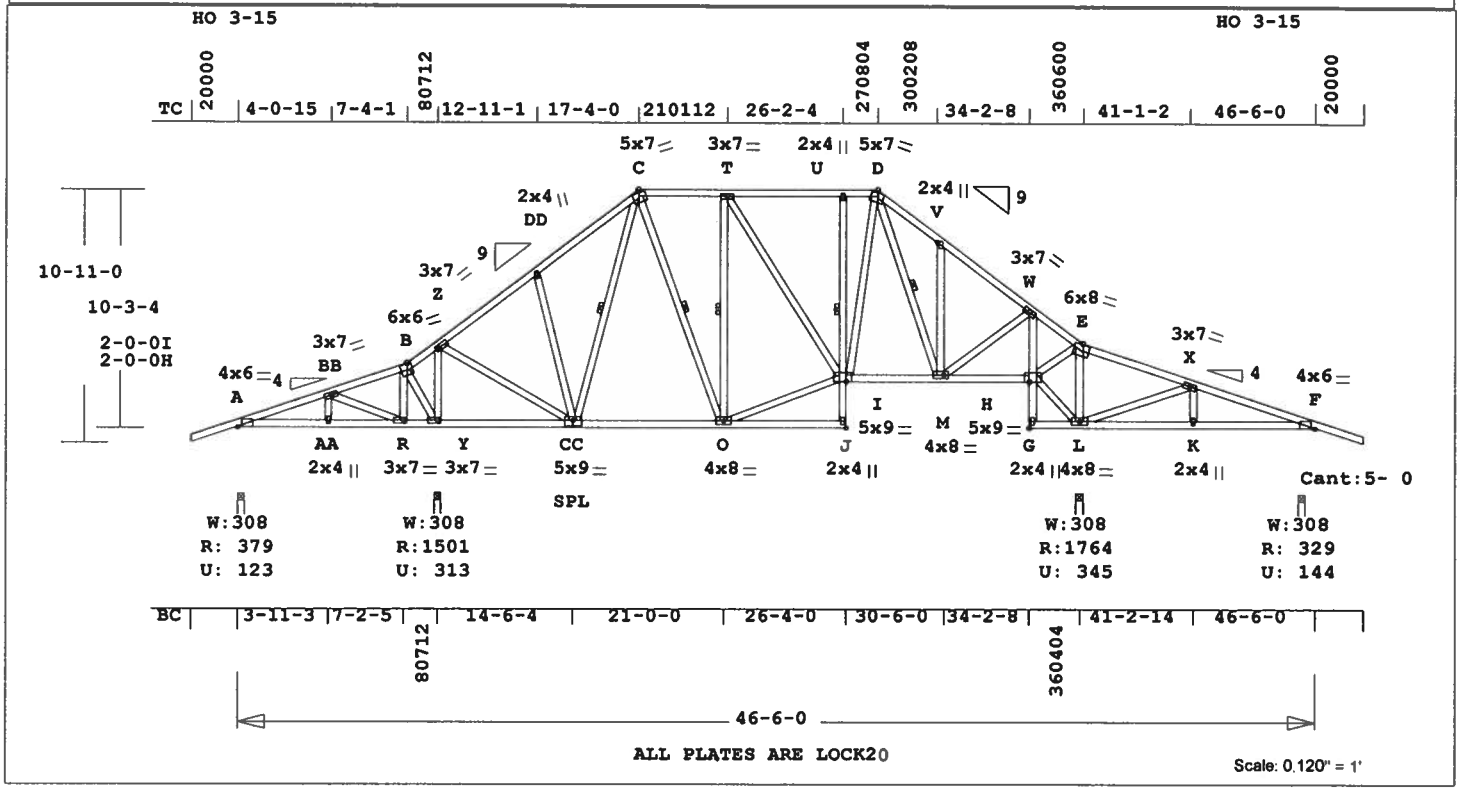
Max comp. force 1300 Lbs
Max tens. force 967 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A2	2	SP	460600	4	2- 0- 0	2- 0- 0	T2553421

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 430.4 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.38	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
CW	0.08	2x 4	SP-#2
WB	0.23	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
TC	24.0"	17- 4- 0	27- 8- 4
TC	Cont.	27- 8- 4	46- 6- 0
BC	Cont.	0- 0- 0	46- 6- 0

WB 1 rows CLB on CC-C
WB 1 rows CLB on C -O
WB 1 rows CLB on O -T
WB 1 rows CLB on D -M
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	379	123 U	225 R
Y	1502	313 U	
L	1765	346 U	
F	330	145 U	219 R

Jt	Brg Size	Required
A	3.5"	1.5"
Y	3.5"	1.6"
L	3.5"	1.9"
F	3.5"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -BB	0.15	409 T	0.05 0.10
BB-B	0.12	153 T	0.01 0.11
B -Z	0.16	289 T	0.05 0.11
Z -DD	0.20	713 C	0.00 0.20
DD-C	0.20	657 C	0.05 0.15
C -T	0.19	634 C	0.00 0.19
T -U	0.19	695 C	0.00 0.19
U -D	0.17	696 C	0.00 0.17
D -V	0.14	741 C	0.05 0.09
V -W	0.13	719 C	0.00 0.13
W -E	0.15	134 C	0.00 0.15
E -X	0.38	638 T	0.09 0.29
X -F	0.29	324 T	0.00 0.29
Bottom Chords			
A -AA	0.12	358 C	0.05 0.07
AA-R	0.09	358 C	0.05 0.04
R -Y	0.15	159 T	0.00 0.15
Y -CC	0.20	306 T	0.00 0.20
CC-O	0.26	536 T	0.05 0.21
O -J	0.21	9 C	0.00 0.21
I -M	0.15	609 T	0.10 0.05
M -H	0.09	275 T	0.00 0.09
G -L	0.10	10 C	0.00 0.10
L -K	0.14	241 C	0.00 0.14
K -F	0.14	241 C	0.00 0.14
Chord-Webs			
J -I	0.04	77 T	0.01 0.03
I -U	0.02	238 C	0.02 0.00
G -H	0.03	25 T	0.00 0.03
H -W	0.08	973 C	0.08 0.00
Webs			
AA-BB	0.02	158 C	
BB-R	0.07	546 T	
R -B	0.03	309 C	
B -Y	0.04	282 T	
Y -Z	0.20	1235 C	
Z -CC	0.17	912 T	
DD-CC	0.16	280 C	
CC-C	0.03	124 T	1 Br
C -O	0.05	270 T	1 Br
O -T	0.12	366 C	1 Br
O -I	0.12	677 T	
T -I	0.02	127 T	
I -D	0.12	470 T	
D -M	0.02	135 T	1 Br
M -V	0.11	246 C	
M -W	0.12	692 T	
H -E	0.13	739 T	
H -L	0.11	837 C	
L -E	0.14	840 C	
L -X	0.23	709 C	
K -X	0.03	210 T	

TL Defl -0.02" in K -F L/999
LL Defl 0.00" in A -AA L/999
Shear // Grain in E -X 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	Ctr	0.10
BB	LOCK	3.0x 7.0	Ctr	Ctr	0.42
B	LOCK	6.0x 6.0	Ctr	Ctr	0.86
Z	LOCK	3.0x 7.0	Ctr	Ctr	0.49
DD	LOCK	2.0x 4.0	Ctr	Ctr	0.52
C	LOCK	5.0x 7.0	0.3-4.1		0.95
T	LOCK	3.0x 7.0	Ctr	Ctr	0.54
U	LOCK	2.0x 4.0	Ctr	Ctr	0.40
D	LOCK	5.0x 7.0	-0.7-3.8		0.84
V	LOCK	2.0x 4.0	Ctr	Ctr	0.52
W	LOCK	3.0x 7.0	Ctr	Ctr	0.43
E	LOCK	6.0x 8.0	-0.9 0.3		0.86
X	LOCK	3.0x 7.0	Ctr	Ctr	0.42
F	LOCK	4.0x 6.0	Ctr	0.1	0.90
AA	LOCK	2.0x 4.0	Ctr	Ctr	0.52
R	LOCK	3.0x 7.0	Ctr	Ctr	0.53
Y	LOCK	3.0x 7.0	Ctr	Ctr	0.56
CC	LOCK	5.0x 9.0	Ctr-0.5		0.86
O	LOCK	4.0x 8.0	Ctr	Ctr	0.56
J	LOCK	2.0x 4.0	Ctr	Ctr	0.64
I	LOCK	5.0x 9.0	Ctr	0.8	0.78
M	LOCK	4.0x 8.0	Ctr	Ctr	0.58
H	LOCK	5.0x 9.0	Ctr	0.7	0.84
G	LOCK	2.0x 4.0	Ctr	Ctr	0.64
L	LOCK	4.0x 8.0	Ctr	Ctr	0.56
K	LOCK	2.0x 4.0	Ctr	Ctr	0.52

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:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	*A2*	2	SP	460600	4	2- 0- 0	2- 0- 0	*T2553421*
MILLER RESIDENCE								

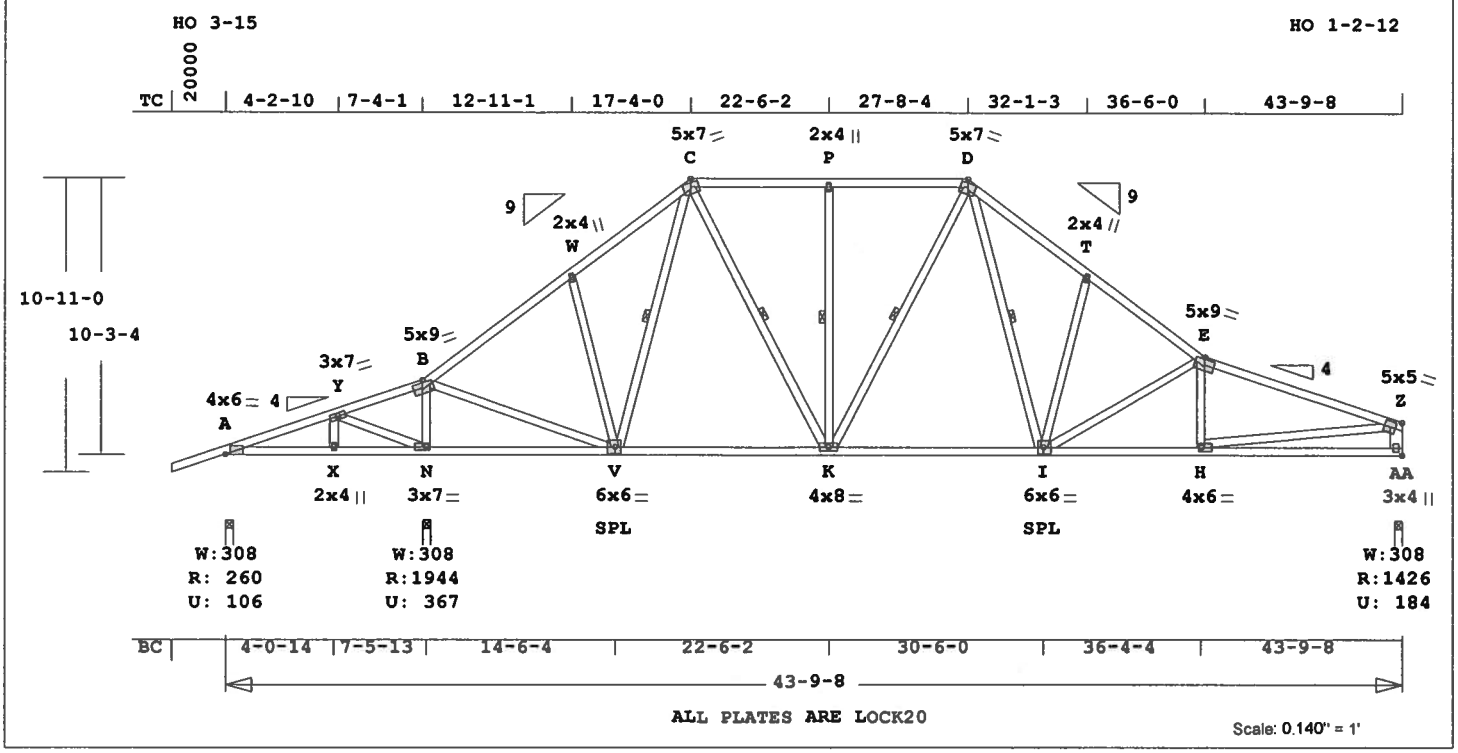
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	8- 7-12
36- 4- 4	46- 1- 0

Max comp. force 1235 Lbs
Max tens. force 912 Lbs
Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A3	1	SP	430908	4	2- 0- 0	0	T2553422

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 362.9 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	Size	Lumber
TC	0.91	2x 4	SP-#2
BC	0.53	2x 4	SP-#2
WB	0.59	2x 4	SP-#2
--	0.08	2x 6	SP-#2
	AA-Z		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
TC	24.0"	17- 4- 0	27- 8- 4
TC	Cont.	27- 8- 4	43- 9- 8
BC	Cont.	0- 0- 0	43- 9- 8

WB 1 rows CLB on V -C
WB 1 rows CLB on C -K
WB 1 rows CLB on K -P
WB 1 rows CLB on K -D
WB 1 rows CLB on D -I
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	260	107 U	218 R
N	1945	367 U	
AA	1426	185 U	235 R

Jt	Brg Size	Required
A	3.5"	1.5"
N	3.5"	2.1"
AA	3.5"	1.7"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -Y	0.21	235 T	0.00 0.21
Y -B	0.29	508 T	0.08 0.21
B -W	0.30	1239 C	0.01 0.29
W -C	0.26	1168 C	0.07 0.19
C -P	0.26	1217 C	0.01 0.25
P -D	0.23	1217 C	0.01 0.22
D -T	0.21	1838 C	0.10 0.11
T -E	0.26	1909 C	0.09 0.17
E -Z	0.91	2555 C	0.12 0.79
Bottom Chords			
A -X	0.08	230 C	0.00 0.08
X -N	0.22	230 C	0.00 0.22
N -V	0.29	442 C	0.00 0.29
V -K	0.44	942 T	0.09 0.35
K -I	0.47	1235 T	0.12 0.35
I -H	0.53	2433 T	0.40 0.13
H -AA	0.28	221 T	0.00 0.28
Webs			
X -Y	0.01	113 C	
Y -N	0.09	536 C	
N -B	0.19	1617 C	
B -V	0.33	1511 T	
W -V	0.18	311 C	
V -C	0.03	116 T	1 Br
C -K	0.10	576 T	1 Br
K -P	0.10	306 C	1 Br
K -D	0.04	108 C	1 Br
D -I	0.16	879 T	1 Br
I -T	0.15	262 C	
I -E	0.59	1049 C	
H -E	0.03	198 C	
H -Z	0.47	2451 T	
AA-Z	0.08	1359 C	WindLd

TL Defl -0.27" in K -I L/999
LL Defl -0.11" in H -AA L/999
Shear // Grain in E -Z 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.87
Y	LOCK	3.0x 7.0	Ctr	Ctr	0.42
B	LOCK	5.0x 9.0	0.5	0.2	1.00
W	LOCK	2.0x 4.0	Ctr	Ctr	0.50
C	LOCK	5.0x 7.0	0.3-4.1		0.91
P	LOCK	2.0x 4.0	Ctr	Ctr	0.50
D	LOCK	5.0x 7.0-0.3-4.1			0.91
T	LOCK	2.0x 4.0	Ctr	Ctr	0.50
E	LOCK	5.0x 9.0-0.5	0.2		1.00
Z	LOCK	5.0x 5.0	Ctr	Ctr	0.97
X	LOCK	2.0x 4.0	Ctr	Ctr	0.50
N	LOCK	3.0x 7.0	Ctr	Ctr	0.52
V	LOCK	6.0x 6.0-0.5	Ctr		0.83
K	LOCK	4.0x 8.0	Ctr	Ctr	0.50
I	LOCK	6.0x 6.0	0.5	Ctr	0.83
H	LOCK	4.0x 6.0	Ctr	Ctr	0.80
AA	LOCK	3.0x 4.0	Ctr	Ctr	0.66

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

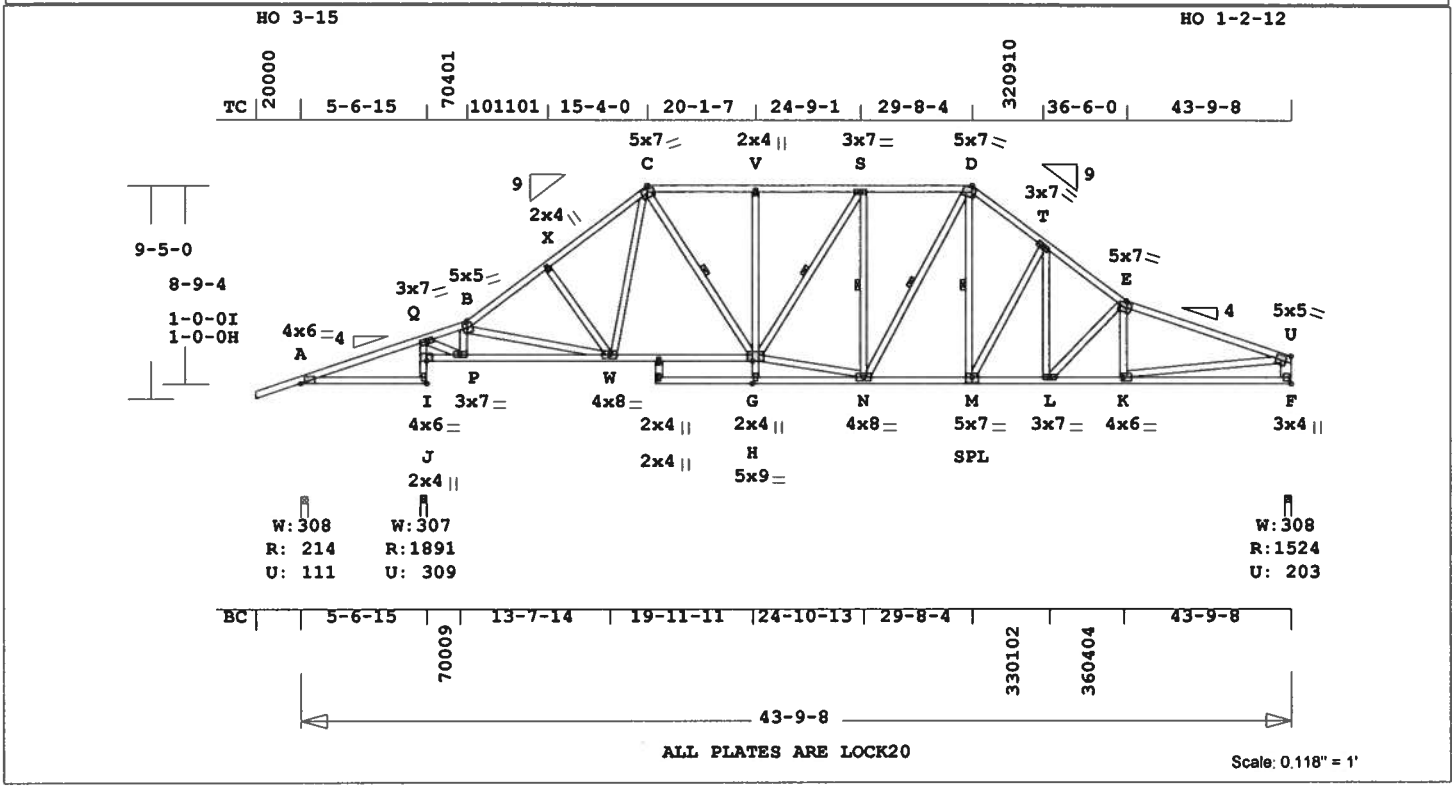
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0 7- 5-13
Max comp. force 2555 Lbs
Max tens. force 2451 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A4	1	SP	430908	4	2- 0- 0	0	T2553423

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 389.1 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.98	2x 4	SP-#2
BC	0.57	2x 4	SP-#2
CW	0.60	2x 4	SP-#2
WB	0.53	2x 4	SP-#2
--	0.08	2x 6	SP-#2
F -U			

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	15- 4- 0
TC	24.0"	15- 4- 0	29- 8- 4
TC	Cont.	29- 8- 4	43- 9- 8
BC	Cont.	0- 0- 0	43- 9- 8

WB 1 rows CLB on C -H
WB 1 rows CLB on H -S
WB 1 rows CLB on N -S
WB 1 rows CLB on N -D
WB 1 rows CLB on M -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-
A	215	111 U	181 R
J	1892	309 U	
F	1525	203 U	197 R

Jt	Brg Size	Required
A	3.5"	1.5"
J	3.4"	2.0"
F	3.5"	1.8"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -Q	0.43	310 T	0.05	0.38
Q -B	0.39	1433 C	0.01	0.38
B -X	0.24	2021 C	0.09	0.15
X -C	0.24	1884 C	0.09	0.15
C -V	0.31	1793 C	0.02	0.29
V -S	0.26	1789 C	0.02	0.24
S -D	0.25	1694 C	0.01	0.24
D -T	0.27	1936 C	0.02	0.25
T -E	0.32	2418 C	0.04	0.28
E -U	0.98	2772 C	0.14	0.84
--------Bottom Chords---------				
A -J	0.17	277 C	0.00	0.17
I -P	0.29	422 C	0.00	0.29
P -W	0.41	1386 T	0.15	0.26
W -H	0.41	1429 T	0.24	0.17
G -N	0.15	37 C	0.00	0.15
N -M	0.35	1566 T	0.26	0.09
M -L	0.37	1907 T	0.32	0.05
L -K	0.57	2639 T	0.44	0.13
K -F	0.28	183 T	0.00	0.28
----------Chord-Webs----------				
J -I	0.60	1831 C	0.02	0.58
I -Q	0.27	1730 C	0.02	0.25
G -H	0.07	75 T	0.01	0.06
H -V	0.10	252 C	0.03	0.07
------------Webs------------				
Q -P	0.35	1935 T		
P -B	0.08	848 C		
B -W	0.04	256 T		
X -W	0.08	264 C		
W -C	0.07	354 T		
C -H	0.12	651 T		1 Br
H -S	0.03	177 T		1 Br
H -N	0.31	1711 T		
N -S	0.11	473 C		1 Br
N -D	0.04	264 T		1 Br
M -D	0.12	674 T		1 Br
M -T	0.39	673 C		
L -T	0.14	756 T		
L -E	0.29	1031 C		
K -E	0.03	225 C		
K -U	0.53	2658 T		
F -U	0.08	1457 C	WindLd	

TL Defl -0.06" in A -J L/999
LL Defl -0.02" in A -J L/999
Shear // Grain in J -I 0.36

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.87
Q	LOCK	3.0x 7.0	Ctr	Ctr	0.76
B	LOCK	5.0x 5.0	0.5	0.2	1.00
X	LOCK	2.0x 4.0	Ctr	Ctr	0.50
C	LOCK	5.0x 7.0	0.3-4.1		0.87
V	LOCK	2.0x 4.0	Ctr	Ctr	0.40
S	LOCK	3.0x 7.0	Ctr	Ctr	0.53
D	LOCK	5.0x 7.0	1.7-3.5		0.78
T	LOCK	3.0x 7.0	Ctr	Ctr	0.51
E	LOCK	5.0x 7.0	0.9	0.3	1.00
U	LOCK	5.0x 5.0	Ctr	Ctr	0.97
J	LOCK	2.0x 4.0	Ctr	Ctr	0.73
I	LOCK	4.0x 6.0	Ctr	0.2	0.83
P	LOCK	3.0x 7.0	Ctr	Ctr	0.63
W	LOCK	4.0x 8.0	Ctr	Ctr	0.66
H	LOCK	5.0x 9.0	Ctr	0.8	0.74
G	LOCK	2.0x 4.0	Ctr	Ctr	0.62
N	LOCK	4.0x 8.0	Ctr	Ctr	0.68
M	LOCK	5.0x 7.0	Ctr	-0.5	0.83
L	LOCK	3.0x 7.0	Ctr	Ctr	0.48
K	LOCK	4.0x 6.0	Ctr	Ctr	0.86
F	LOCK	3.0x 4.0	Ctr	Ctr	0.66

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

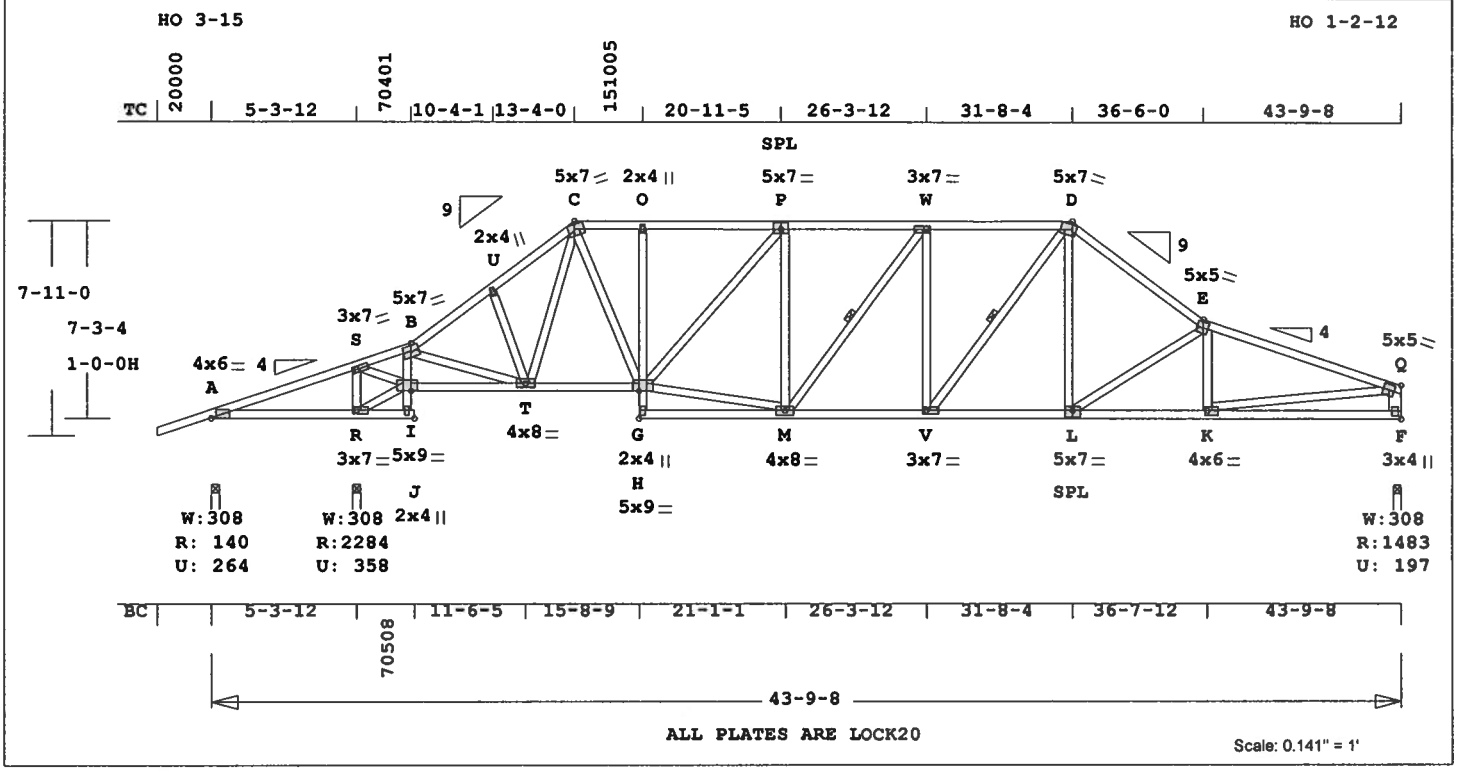
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0 5- 6-15
Max comp. force 2772 Lbs
Max tens. force 2658 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A5	1	SP	430908	4	2- 0- 0	0	T2553424

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 365.5 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.75	2x 4	SP-#2
BC	0.53	2x 4	SP-#2
CW	0.11	2x 4	SP-#2
WB	0.49	2x 4	SP-#2
--	0.08	2x 6	SP-#2
	F -Q		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	43- 9- 8
BC	Cont.	0- 0- 0	43- 9- 8

WB 1 rows CLB on M -W
WB 1 rows CLB on V -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-
A	140	264 G	143 R
R	2284	359 U	
F	1483	197 U	160 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
R	3.5"	2.4"
F	3.5"	1.7"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -S	0.54	1297 T	0.22 0.32
S -B	0.32	280 C	0.00 0.32
B -U	0.14	1676 C	0.07 0.07
U -C	0.15	1618 C	0.01 0.14
C -O	0.21	1658 C	0.01 0.20
O -P	0.27	1654 C	0.01 0.26
P -W	0.29	1849 C	0.02 0.27
W -D	0.29	1942 C	0.02 0.27
D -E	0.31	2118 C	0.02 0.29
E -Q	0.75	2700 C	0.13 0.62
Bottom Chords			
A -R	0.24	1216 C	0.01 0.23
R -J	0.23	42 C	0.00 0.23
I -T	0.13	326 T	0.03 0.10
T -H	0.29	1287 T	0.21 0.08
G -M	0.17	53 T	0.00 0.17
M -V	0.41	1942 T	0.32 0.09
V -L	0.36	1702 T	0.28 0.08
L -K	0.53	2578 T	0.43 0.10
K -F	0.26	146 T	0.00 0.26
Chord-Webs			
J -I	0.07	58 T	0.00 0.07
I -B	0.11	1250 C	0.11 0.00
G -H	0.11	83 T	0.00 0.11
H -O	0.05	196 C	0.00 0.05
Webs			
R -S	0.14	1468 C	
R -I	0.14	1344 C	
S -I	0.28	1567 T	
B -T	0.19	1053 T	
U -T	0.03	188 C	
T -C	0.02	85 T	
C -H	0.16	911 T	
H -P	0.22	296 C	
H -M	0.33	1828 T	
M -P	0.06	104 C	
M -W	0.03	154 C	1 Br
V -W	0.12	212 C	
V -D	0.07	397 T	1 Br
L -D	0.13	640 T	
L -E	0.45	1022 C	
K -E	0.03	241 C	
K -Q	0.49	2598 T	
F -Q	0.08	1417 C	WindLd

TL Defl -0.04" in A -R L/999
LL Defl -0.02" in A -R L/999
Shear // Grain in E -Q 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.87
S	LOCK	3.0x 7.0	Ctr	Ctr	0.52
B	LOCK	5.0x 7.0	Ctr	Ctr	1.00
U	LOCK	2.0x 4.0	Ctr	Ctr	0.50
C	LOCK	5.0x 7.0	0.7-3.8		0.81
O	LOCK	2.0x 4.0	Ctr	Ctr	0.40
P	LOCK	5.0x 7.0	Ctr	0.5	0.83
W	LOCK	3.0x 7.0	Ctr	Ctr	0.51
D	LOCK	5.0x 7.0	-1.7-3.5		0.78
E	LOCK	5.0x 5.0	-0.5	0.2	1.00
Q	LOCK	5.0x 5.0	Ctr	Ctr	0.97
R	LOCK	3.0x 7.0	Ctr	Ctr	0.45
J	LOCK	2.0x 4.0	Ctr	Ctr	0.62
I	LOCK	5.0x 9.0	Ctr	0.8	0.71
T	LOCK	4.0x 8.0	Ctr	Ctr	0.58
H	LOCK	5.0x 9.0	Ctr	0.7	0.80
G	LOCK	2.0x 4.0	Ctr	Ctr	0.62
M	LOCK	4.0x 8.0	Ctr	Ctr	0.72
V	LOCK	3.0x 7.0	Ctr	Ctr	0.51
L	LOCK	5.0x 7.0	Ctr	-0.5	0.83
K	LOCK	4.0x 6.0	Ctr	Ctr	0.84
F	LOCK	3.0x 4.0	Ctr	Ctr	0.66

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

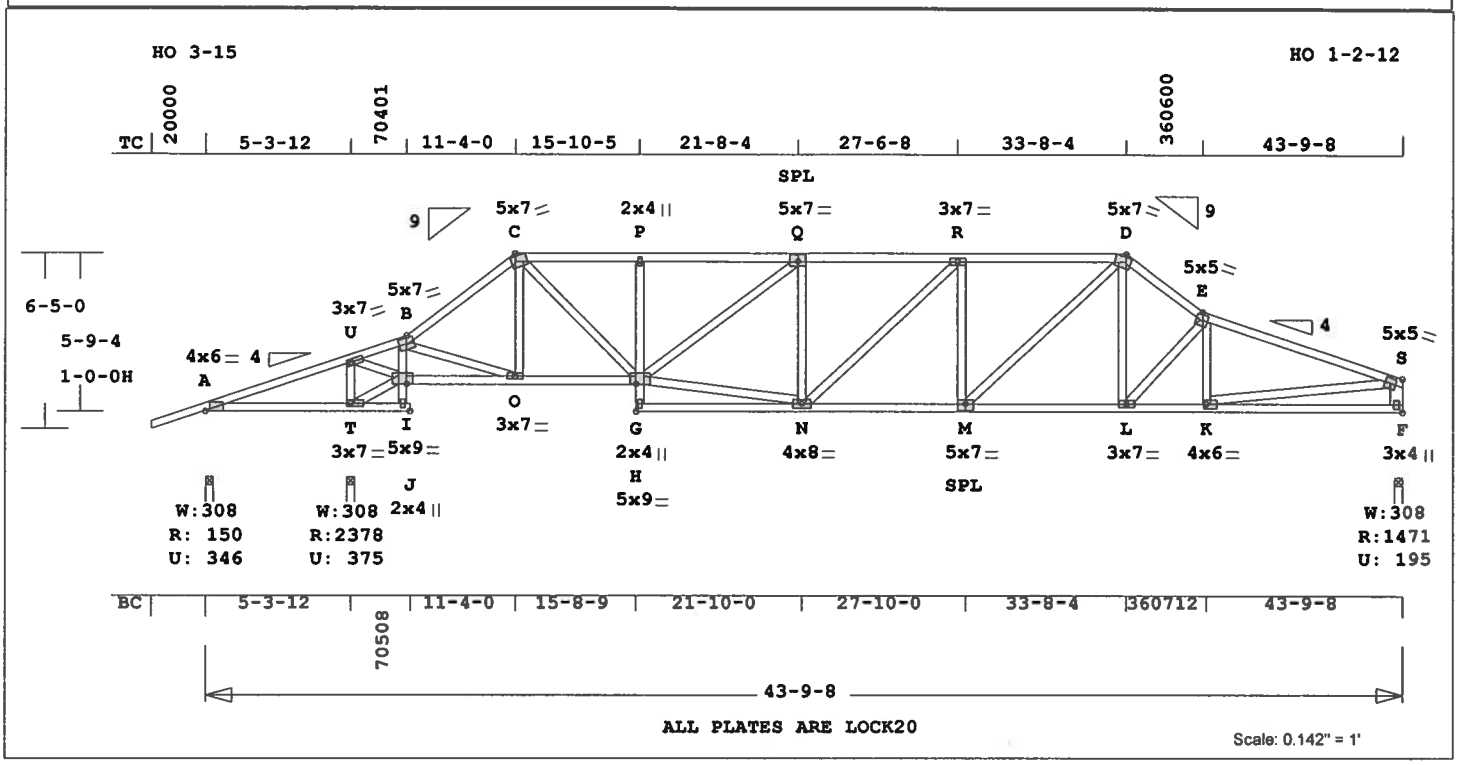
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0 5- 3-12
Max comp. force 2700 Lbs
Max tens. force 2598 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A6	1	SP	430908	4	2- 0- 0	0	T2553425

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 336.4 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	Size	Lumber
TC	0.79	2x 4	SP-#2
BC	0.52	2x 4	SP-#2
CW	0.18	2x 4	SP-#2
WB	0.49	2x 4	SP-#2
--	0.08	2x 6	SP-#2
	F -S		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	43- 9- 8
BC	Cont.	0- 0- 0	43- 9- 8

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	151	347 G	105 R
T	2378	376 U	
F	1472	195 U	122 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
T	3.5"	2.5"
F	3.5"	1.7"

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

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -U	0.60	1538 T	0.26	0.34
U -B	0.34	26 T	0.00	0.34
B -C	0.17	1537 C	0.07	0.10
C -P	0.26	2156 C	0.03	0.23
P -Q	0.34	2145 C	0.03	0.31
Q -R	0.37	2360 C	0.03	0.34
R -D	0.38	2416 C	0.04	0.34
D -E	0.33	2387 C	0.03	0.30
E -S	0.79	2661 C	0.12	0.67
Bottom Chords				
A -T	0.26	1444 C	0.01	0.25
T -J	0.25	53 C	0.00	0.25
I -O	0.10	110 T	0.00	0.10
O -H	0.31	1232 T	0.20	0.11
G -N	0.21	90 T	0.00	0.21
N -M	0.52	2416 T	0.40	0.12
M -L	0.42	1929 T	0.32	0.10
L -K	0.52	2539 T	0.42	0.10
K -F	0.27	108 T	0.00	0.27
Chord-Webs				
J -I	0.09	60 T	0.00	0.09
I -B	0.12	1346 C	0.12	0.00
G -H	0.18	96 T	0.00	0.18
H -P	0.10	313 C	0.00	0.10
Webs				
T -U	0.14	1440 C		
T -I	0.16	1587 C		
U -I	0.27	1509 T		
B -O	0.22	1233 T		
O -C	0.06	252 C		
C -H	0.24	1310 T		
H -Q	0.18	268 C		
H -N	0.42	2301 T		
N -Q	0.07	197 C		
N -R	0.06	76 C		
M -R	0.12	328 C		
M -D	0.17	663 T		
L -D	0.12	695 T		
L -E	0.21	862 C		
K -E	0.03	249 C		
K -S	0.49	2559 T		
F -S	0.08	1406 C	WindLd	

TL Defl -0.33" in M -L L/999
LL Defl -0.15" in N -M L/999
Shear // Grain in E -S 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.87
U	LOCK	3.0x 7.0	Ctr	Ctr	0.50
B	LOCK	5.0x 7.0	Ctr	Ctr	1.00
C	LOCK	5.0x 7.0	1.7-3.5		0.78
P	LOCK	2.0x 4.0	Ctr	Ctr	0.40
Q	LOCK	5.0x 7.0	Ctr	0.5	0.83
R	LOCK	3.0x 7.0	Ctr	Ctr	0.47
D	LOCK	5.0x 7.0	-1.7-3.5		0.78
E	LOCK	5.0x 5.0	-0.5	0.2	1.00
S	LOCK	5.0x 5.0	Ctr	Ctr	0.97
T	LOCK	3.0x 7.0	Ctr	Ctr	0.49
J	LOCK	2.0x 4.0	Ctr	Ctr	0.62
I	LOCK	5.0x 9.0	Ctr	0.8	0.71
O	LOCK	3.0x 7.0	Ctr	Ctr	0.56
H	LOCK	5.0x 9.0	Ctr	0.8	0.71
G	LOCK	2.0x 4.0	Ctr	Ctr	0.62
N	LOCK	4.0x 8.0	Ctr	Ctr	0.89
M	LOCK	5.0x 7.0	Ctr	-0.5	0.83
L	LOCK	3.0x 7.0	Ctr	Ctr	0.49
K	LOCK	4.0x 6.0	Ctr	Ctr	0.83
F	LOCK	3.0x 4.0	Ctr	Ctr	0.66

REVIEWED BY:
Robbins Engineering, Inc.

6904 Parke East Blvd.
Tampa, FL 33610

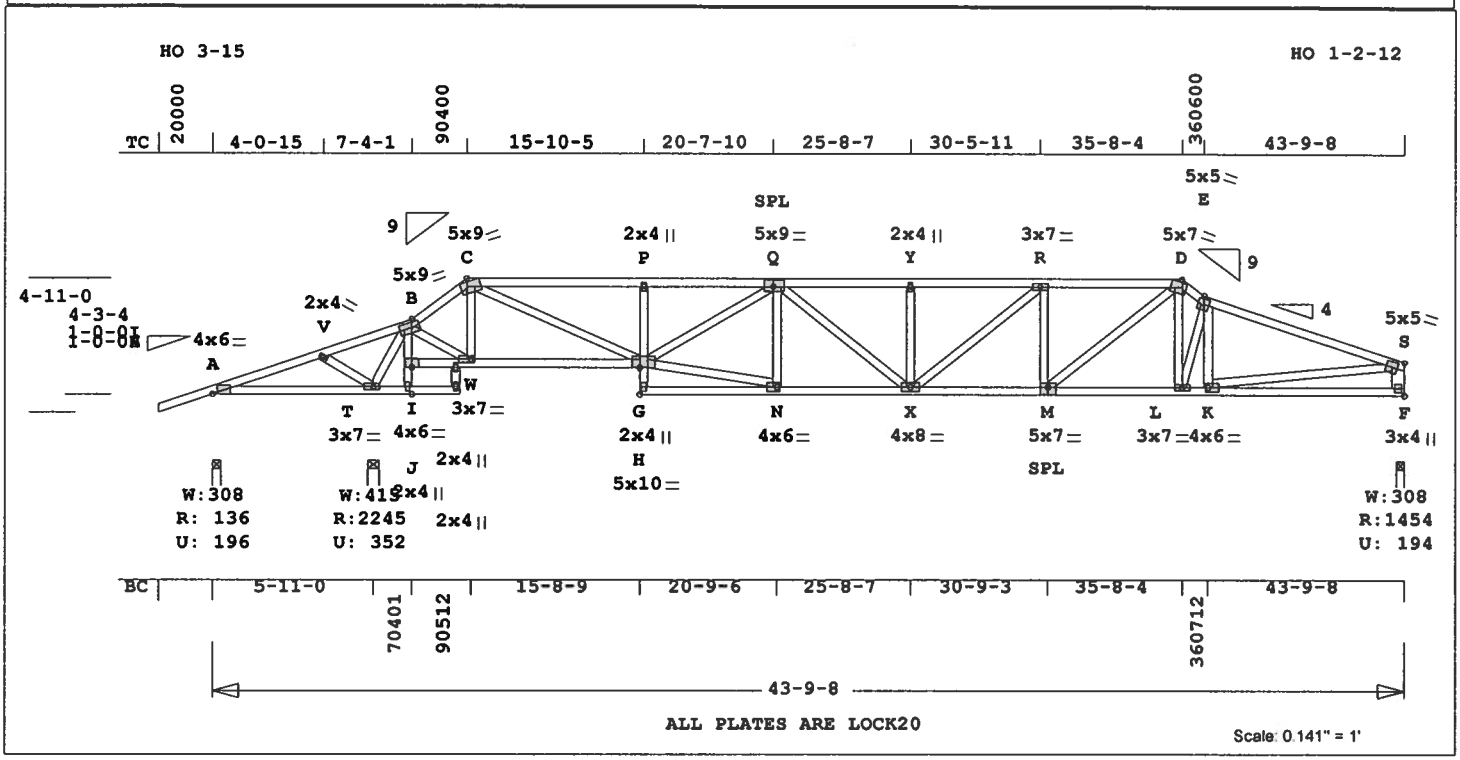
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0 5- 3-12
Max comp. force 2661 Lbs
Max tens. force 2559 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A7	1	SP	430908	4	2- 0- 0	0	T2553426

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 326.7 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	Size	Lumber
TC	0.82	2x 4	SP-#2
BC	0.58	2x 4	SP-#2
CW	0.53	2x 4	SP-#2
WB	0.55	2x 4	SP-#2
--	0.08	2x 6	SP-#2
	F -S		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	43- 9- 8
BC	Cont.	0- 0- 0	43- 9- 8

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	136	196 G	68 R
T	2245	352 U	
F	1454	195 U	84 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
T	4.9"	2.5"
F	3.5"	1.7"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -V	0.46	963 T	0.16 0.30
V -B	0.51	1297 T	0.21 0.30
B -C	0.30	1093 C	0.00 0.30
C -P	0.40	3081 C	0.11 0.29
P -Q	0.28	3052 C	0.15 0.13
Q -Y	0.27	3269 C	0.07 0.20
Y -R	0.28	3269 C	0.07 0.21
R -D	0.27	3025 C	0.08 0.19
D -E	0.34	2706 C	0.04 0.30
E -S	0.82	2618 C	0.12 0.70
Bottom Chords			
A -T	0.23	891 C	0.00 0.23
T -J	0.23	256 C	0.00 0.23
I -W	0.20	377 C	0.00 0.20
W -H	0.29	837 T	0.14 0.15
G -N	0.14	112 T	0.00 0.14
N -X	0.58	3042 T	0.51 0.07
X -M	0.56	3025 T	0.50 0.06
M -L	0.43	2249 T	0.37 0.06
L -K	0.54	2497 T	0.41 0.13
K -F	0.26	71 T	0.00 0.26

Membr	CSI	P Lbs	Axl-CSI-Bnd
Chord-Webs			
I -B	0.30	68 C	0.00 0.30
J -I	0.53	91 C	0.00 0.53
G -H	0.23	79 T	0.00 0.23
H -P	0.19	324 C	0.00 0.19
Webs			
V -T	0.05	439 C	
T -B	0.25	2072 C	
B -W	0.24	1352 T	
W -C	0.07	548 C	
C -H	0.51	2457 T	
H -Q	0.01	55 T	
H -N	0.55	2990 T	
N -Q	0.10	484 C	
Q -X	0.05	292 T	
X -Y	0.06	290 C	
X -R	0.05	314 T	
M -R	0.10	506 C	
M -D	0.18	988 T	
L -D	0.12	701 T	
L -E	0.12	732 C	
K -E	0.03	221 C	
K -S	0.49	2516 T	
F -S	0.08	1390 C	WindLd

TL Defl -0.49" in N -X L/908
LL Defl -0.24" in N -X L/999
Shear // Grain in J -I 0.33

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.87
V	LOCK	2.0x 4.0	Ctr	Ctr	0.50
B	LOCK	5.0x 9.0-0.9-0.3			1.00
C	LOCK	5.0x 9.0	1.8-3.8		0.81
P	LOCK	2.0x 4.0	Ctr	Ctr	0.40
Q	LOCK	5.0x 9.0	0.5	0.5	0.83
Y	LOCK	2.0x 4.0	Ctr	Ctr	0.50
R	LOCK	3.0x 7.0	Ctr	Ctr	0.46
D	LOCK	5.0x 7.0-1.7-3.5			0.78
E	LOCK	5.0x 5.0-0.5	0.2		1.00
S	LOCK	5.0x 5.0	Ctr	Ctr	0.97
T	LOCK	3.0x 7.0-0.7	Ctr		0.76
J	LOCK	2.0x 4.0	Ctr	Ctr	0.62
I	LOCK	4.0x 6.0	Ctr	0.2	0.83
W	LOCK	3.0x 7.0	Ctr	Ctr	0.46
H	LOCK	5.0x10.0	Ctr	0.8	0.87
G	LOCK	2.0x 4.0	Ctr	Ctr	0.62
N	LOCK	4.0x 6.0	Ctr	Ctr	0.98
X	LOCK	4.0x 8.0	Ctr	Ctr	0.45
M	LOCK	5.0x 7.0	Ctr-0.5		0.83
L	LOCK	3.0x 7.0	Ctr	Ctr	0.63
K	LOCK	4.0x 6.0	Ctr	Ctr	0.82
F	LOCK	3.0x 4.0	Ctr	Ctr	0.66

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:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0	5-11- 0

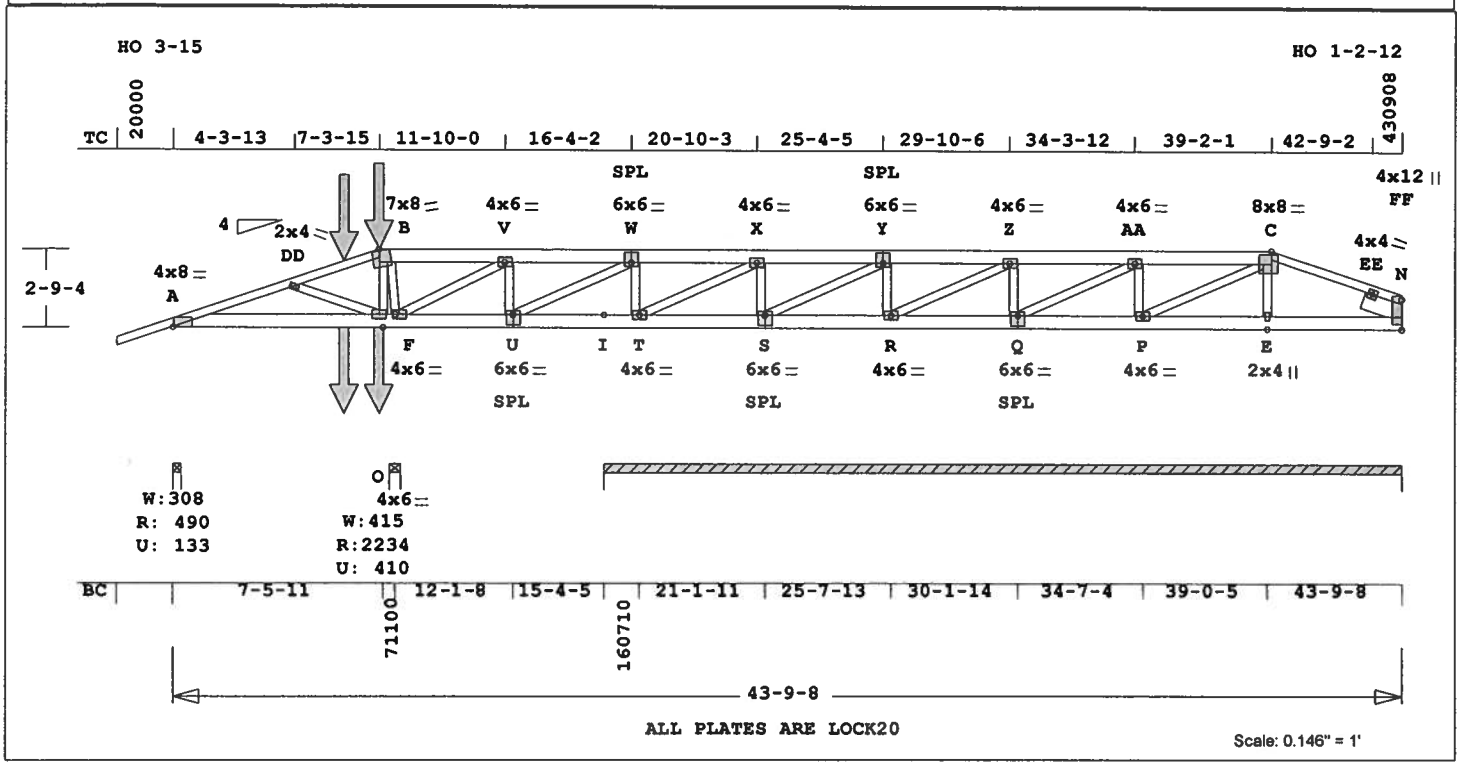
Max comp. force 3269 Lbs
Max tens. force 3042 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	A8	1	HIPP	430908	4	2- 0- 0	0	T2553427

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 346.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.43	2x 4	SP-#2
--	0.13	2x 6	SP-#2
	B -W	W -Y	Y -C
BC	0.39	2x 6	SP-#2
WB	0.18	2x 4	SP-#2
SL	0.02	2x 8	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	43- 9- 8
BC	Cont.	0- 0- 0	43- 9- 8

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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	490	134 U	44 R
O	2235	411 U	
I	5907	774 U	32 R

Jt	Brg Size	Required
A	3.5"	1.5"
O	4.9"	2.5"
I	341.2"	184"-to- 526"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To

TC V	20	40	0.0'	43.8'
BC V	20	0	0.0'	43.8'
BC V	53	53	7.3'	43.8'
TC V	145	145	6.1'	CL-LB
BC V	102	102	6.1'	CL-LB
TC V	91	91	7.3'	CL-LB
BC V	219	219	7.3'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -DD	0.32	596 C	0.00 0.32
DD-B	0.43	64 C	0.00 0.43
B -V	0.12	182 T	0.02 0.10
V -W	0.12	426 C	0.00 0.12
W -X	0.13	111 T	0.01 0.12
X -Y	0.10	40 T	0.00 0.10
Y -Z	0.10	66 T	0.00 0.10
Z -AA	0.11	102 T	0.00 0.11
AA-C	0.11	184 T	0.00 0.11
C -EE	0.14	297 C	0.03 0.11
EE-FF	0.09	231 C	0.01 0.08
--------Bottom Chords---------			
A -F	0.31	589 T	0.07 0.24
F -O	0.34	134 T	0.00 0.34
O -U	0.39	426 T	0.05 0.34
U -I	0.14	110 C	0.00 0.14
I -T	0.15	110 C	0.00 0.15
T -S	0.23	67 T	0.00 0.23
S -R	0.23	41 T	0.00 0.23
R -Q	0.21	62 T	0.00 0.21
Q -P	0.23	172 T	0.02 0.21
P -E	0.27	289 T	0.03 0.24
E -FF	0.27	283 T	0.03 0.24
----------Webs----------			
DD-F	0.11	620 C	
F -B	0.13	778 T	
B -O	0.13	1292 C	
O -V	0.18	697 C	
U -V	0.03	228 T	
U -W	0.11	603 T	
T -W	0.06	569 C	
T -X	0.02	83 C	
S -X	0.02	224 C	
S -Y	0.01	52 C	
R -Y	0.02	249 C	
R -Z	0.01	59 C	
Q -Z	0.02	235 C	
Q -AA	0.03	124 C	
P -AA	0.02	237 C	
P -C	0.03	147 T	
E -C	0.01	95 C	
----------Sliders----------			
EE-FF	0.02	252 T	

TL Defl -0.03" in A -F L/999
LL Defl -0.01" in A -F L/999
Shear // Grain in DD-B 0.31

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 8.0	4.2	1.8	0.95
DD	LOCK	2.0x 4.0	Ctr	Ctr	0.50
B	LOCK	7.0x 8.0	1.2-4.1		0.91
V	LOCK	4.0x 6.0	Ctr	Ctr	0.45
W	LOCK	6.0x 6.0	Ctr	1.2	0.66
X	LOCK	4.0x 6.0	Ctr	Ctr	0.46
Y	LOCK	6.0x 6.0	Ctr	1.2	0.66
Z	LOCK	4.0x 6.0	Ctr	Ctr	0.46
AA	LOCK	4.0x 6.0	Ctr	Ctr	0.45
C	LOCK	8.0x 8.0	0.5	Ctr	0.85
EE	LOCK	4.0x 4.0	Ctr	Ctr	0.86
FF	LOCK	4.0x12.0-2.0		0.3	0.97
F	LOCK	4.0x 6.0	Ctr	Ctr	0.50
O	LOCK	4.0x 6.0	Ctr	Ctr	0.45
U	LOCK	6.0x 6.0	Ctr-1.2		0.66
T	LOCK	4.0x 6.0	Ctr	Ctr	0.46
S	LOCK	6.0x 6.0	Ctr-1.2		0.66
R	LOCK	4.0x 6.0	Ctr	Ctr	0.46
Q	LOCK	6.0x 6.0	Ctr-1.2		0.66
P	LOCK	4.0x 6.0	Ctr	Ctr	0.46
E	LOCK	2.0x 4.0	Ctr	Ctr	0.50

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:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0	7-11- 1

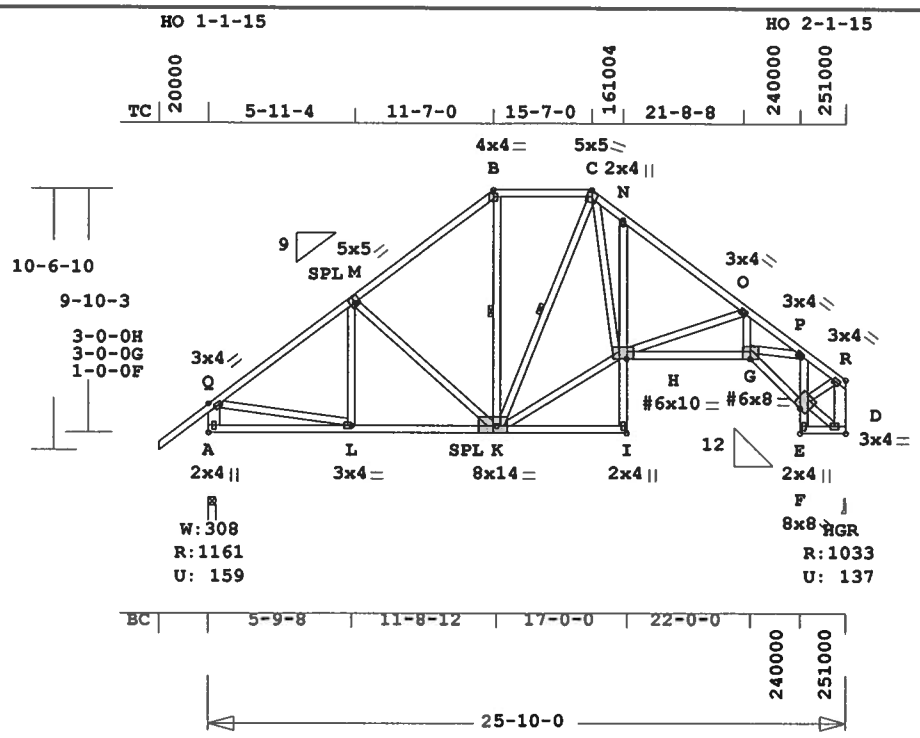
Max comp. force 1292 Lbs
Max tens. force 888 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	B1	2	SP	251000	9	2- 0- 0	0	T2553428

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.128" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 258.5 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.37	2x 4	SP-#2
BC	0.53	2x 4	SP-#2
CW	0.11	2x 4	SP-#2
WB	0.30	2x 4	SP-#2
--	0.07	2x 6	SP-#2

A -Q D -R

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25-10- 0
BC	Cont.	0- 0- 0	25-10- 0

WB 1 rows CLB on K -B
WB 1 rows CLB on K -C
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	1161	160 U	228 R
D	1033	138 U	244 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
Q -M	0.37	1105 C	0.00 0.37
M -B	0.37	865 C	0.00 0.37
B -C	0.12	681 C	0.05 0.07
C -N	0.20	1337 C	0.07 0.13
N -O	0.24	1319 C	0.02 0.22
O -P	0.20	2391 C	0.07 0.13
P -R	0.04	822 C	0.03 0.01
Bottom Chords			
A -L	0.20	215 T	0.00 0.20
L -K	0.29	902 T	0.09 0.20
K -I	0.19	9 T	0.00 0.19
H -G	0.53	1886 T	0.31 0.22
G -F	0.48	864 T	0.14 0.34
E -D	0.01	49 C	0.00 0.01
Chord-Webs			
I -H	0.06	78 T	0.00 0.06
H -N	0.05	287 C	0.00 0.05
E -F	0.09	28 T	0.00 0.09
F -P	0.11	971 C	0.01 0.10
Webs			
A -Q	0.06	983 C	WindLd
Q -L	0.16	917 T	
L -M	0.02	131 T	
M -K	0.25	338 C	
K -B	0.04	289 T	1 Br
K -C	0.15	431 C	1 Br
K -H	0.17	972 T	
C -H	0.20	1089 T	
H -O	0.30	881 C	
G -O	0.13	709 T	
G -P	0.23	1252 T	
F -R	0.15	819 T	
F -D	0.04	282 T	
D -R	0.07	1044 C	WindLd

TL Defl	-0.14" in K -I		L/999
LL Defl	-0.07" in H -G		L/999
Hz Disp	LL	DL	TL
Jt D	0.08"	0.08"	0.16"
Shear // Grain	in Q -M		0.21

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
Q	LOCK	3.0x	4.0-0.8-0.6		0.77
M	LOCK	5.0x	5.0-0.4	0.5	0.62
B	LOCK	4.0x	4.0 Ctr	Ctr	0.96
C	LOCK	5.0x	5.0-0.2-3.8		0.91
N	LOCK	2.0x	4.0 Ctr	Ctr	0.23
O	LOCK	3.0x	4.0 Ctr	Ctr	0.72
P	LOCK	3.0x	4.0 Ctr	Ctr	0.88
R	LOCK	3.0x	4.0 0.8-0.6		0.77
A	LOCK	2.0x	4.0 Ctr	Ctr	0.63
L	LOCK	3.0x	4.0 Ctr	Ctr	0.78
K	LOCK	8.0x	14.0 Ctr	0.5	0.58
I	LOCK	2.0x	4.0 Ctr	Ctr	0.58
H#	LOCK	6.0x	10.0 Ctr	1.2	0.55
G#	LOCK	6.0x	8.0 Ctr	-0.4	0.56
F	LOCK	8.0x	8.0 0.7	0.7	0.55
E	LOCK	2.0x	4.0 Ctr	Ctr	0.58
D	LOCK	3.0x	4.0 Ctr	Ctr	0.77

= Plate Monitor used

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

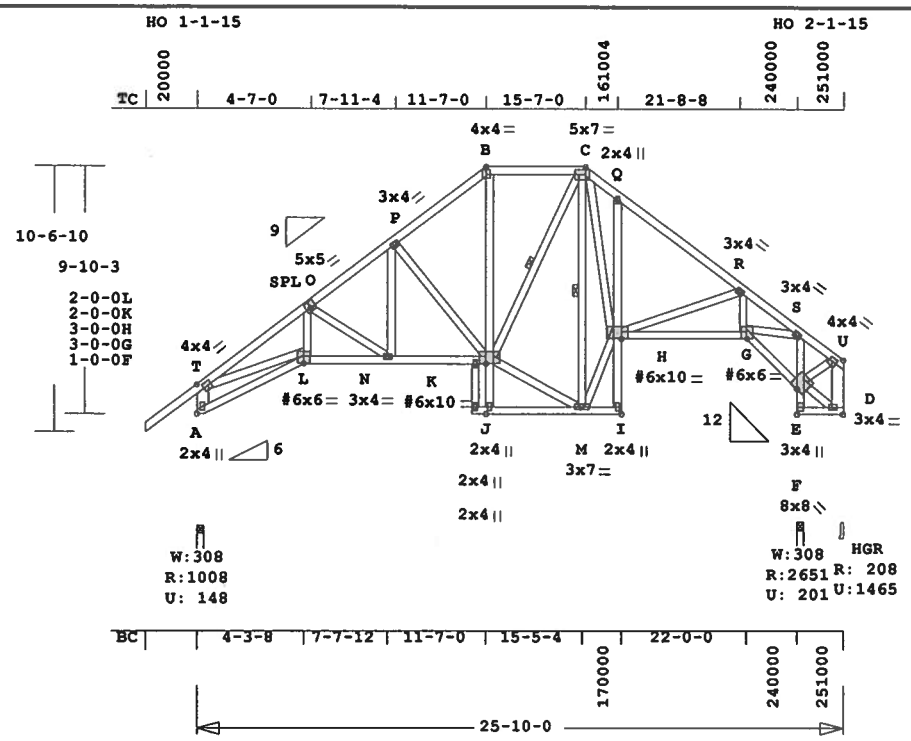
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 2391 Lbs
Max tens. force 1886 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	B2	1	SP	251000	9	2- 0- 0	0	T2553429

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.131" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 286.1 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
BC	0.57	2x 4	SP-#2
CW	0.24	2x 4	SP-#2
WB	0.29	2x 4	SP-#2
--	0.19	2x 6	SP-#2

A -T D -U

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25-10- 0
BC	Cont.	0- 0- 0	25-10- 0

WB 1 rows CLB on K -C
WB 1 rows CLB on M -C
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	1009	148 U	229 R
E	2651	202 U	
D	209	1465 G	244 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
E	3.5"	2.8"
D	3.5"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
T -O	0.24	1840 C	0.03 0.21
O -P	0.16	1140 C	0.05 0.11
P -B	0.12	776 C	0.05 0.07
B -C	0.13	618 C	0.00 0.13
C -Q	0.19	762 C	0.06 0.13
Q -R	0.19	755 C	0.00 0.19
R -S	0.19	99 T	0.00 0.19
S -U	0.25	1250 T	0.21 0.04
--------Bottom Chords---------			
A -L	0.31	232 T	0.00 0.31
L -N	0.57	1457 T	0.24 0.33
N -K	0.22	913 T	0.15 0.07
J -M	0.11	11 C	0.00 0.11
M -I	0.11	13 T	0.00 0.11
H -G	0.12	179 T	0.01 0.11
G -F	0.10	1436 C	0.01 0.09
E -D	0.01	62 C	0.00 0.01
----------Chord-Webs----------			
J -K	0.03	54 T	0.00 0.03
K -B	0.07	268 T	0.04 0.03
I -H	0.08	27 C	0.00 0.08
H -Q	0.07	260 C	0.00 0.07
E -F	0.24	2636 C	0.24 0.00
F -S	0.07	797 C	0.07 0.00
----------Webs----------			
A -T	0.04	795 C	WindLd
T -L	0.28	1542 T	
L -O	0.09	538 T	
O -N	0.13	647 C	
N -P	0.06	354 T	
P -K	0.20	455 C	
K -M	0.08	464 T	
K -C	0.08	466 T	1 Br
M -C	0.29	950 C	1 Br
M -H	0.17	927 T	
C -H	0.16	875 T	
H -R	0.10	572 T	
G -R	0.09	899 C	
G -S	0.18	1008 T	
F -U	0.12	1240 C	
F -D	0.04	289 T	
D -U	0.19	1445 T	WindLd

TL Defl -0.15" in A -L L/999
LL Defl -0.07" in A -L L/999

Hz Disp	LL	DL	TL
Jt E	0.08"	0.08"	0.15"

Shear // Grain in Q -R 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
T	LOCK	4.0x 4.0	-0.4	-0.3	0.74
O	LOCK	5.0x 5.0	-0.4	0.5	0.62
P	LOCK	3.0x 4.0	Ctr	Ctr	0.72
B	LOCK	4.0x 4.0	Ctr	Ctr	0.96
C	LOCK	5.0x 7.0	Ctr	-0.3	1.00
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.23
R	LOCK	3.0x 4.0	Ctr	Ctr	0.72
S	LOCK	3.0x 4.0	Ctr	Ctr	0.72
U	LOCK	4.0x 4.0	0.4	-0.3	0.81
A	LOCK	2.0x 4.0	Ctr	Ctr	0.63
L#	LOCK	6.0x 6.0	Ctr	-0.4	0.57
N	LOCK	3.0x 4.0	Ctr	Ctr	0.58
K#	LOCK	6.0x10.0	-0.1	1.3	0.56
J	LOCK	2.0x 4.0	Ctr	Ctr	0.58
M	LOCK	3.0x 7.0	Ctr	Ctr	0.74
I	LOCK	2.0x 4.0	Ctr	Ctr	0.58
H#	LOCK	6.0x10.0	0.5	0.6	0.61
G#	LOCK	6.0x 6.0	Ctr	-0.4	0.57
F	LOCK	8.0x 8.0	0.7	0.7	0.55
E	LOCK	3.0x 4.0	Ctr	Ctr	0.69
D	LOCK	3.0x 4.0	0.5	Ctr	0.90

= Plate Monitor used

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

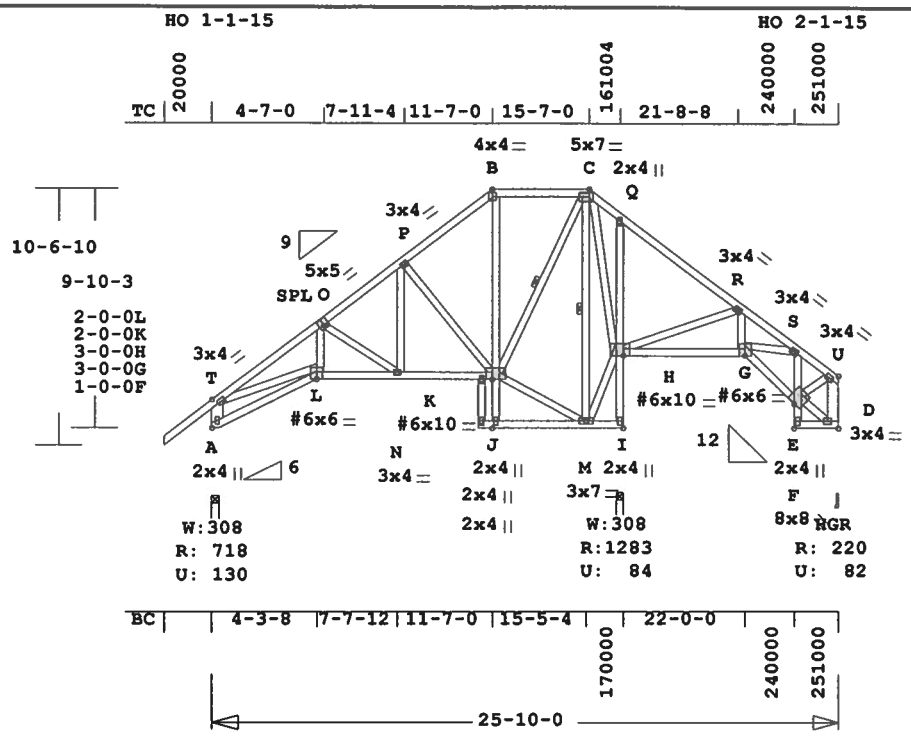
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 2636 Lbs
Max tens. force 1542 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	B3	3	SP	251000	9	2- 0- 0	0	T2553430

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.126" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 286.1 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.28	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
CW	0.12	2x 4	SP-#2
WB	0.49	2x 4	SP-#2
--	0.03	2x 6	SP-#2

A -T D -U

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25-10- 0
BC	Cont.	0- 0- 0	25-10- 0

WB 1 rows CLB on K -C
WB 1 rows CLB on M -C
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	719	131 U	229 R
I	1284	84 U	
D	220	83 U	244 R

Jt	Brg Size	Required
A	3.5"	1.5"
I	3.5"	1.5"
D	3.5"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
T -O	0.20	1093 C	0.01 0.19
O -P	0.16	561 C	0.04 0.12
P -B	0.12	310 C	0.00 0.12
B -C	0.09	293 C	0.00 0.09
C -Q	0.25	277 T	0.03 0.22
Q -R	0.28	310 T	0.06 0.22
R -S	0.17	208 C	0.00 0.17
S -U	0.02	156 C	0.00 0.02
Bottom Chords			
A -L	0.18	235 T	0.00 0.18
L -N	0.34	868 T	0.14 0.20
N -K	0.12	449 T	0.07 0.05
J -M	0.08	16 C	0.00 0.08
M -I	0.05	23 C	0.00 0.05
H -G	0.15	294 T	0.01 0.14
G -F	0.06	331 T	0.04 0.02
E -D	0.01	2 C	0.00 0.01
Chord-Webs			
J -K	0.06	65 T	0.01 0.05
K -B	0.02	85 C	0.00 0.02
I -H	0.12	1272 C	0.00 0.12
H -Q	0.05	325 C	0.03 0.02
E -F	0.00	28 T	
F -S	0.01	99 C	0.00 0.01
Webs			
A -T	0.03	522 C	WindLd
T -L	0.17	920 T	
L -O	0.06	363 T	
O -N	0.10	498 C	
N -P	0.05	314 T	
P -K	0.19	418 C	
K -M	0.03	165 C	
K -C	0.09	521 T	1 Br
M -C	0.10	401 T	1 Br
M -H	0.05	341 T	
C -H	0.49	873 C	
H -R	0.13	375 C	
G -R	0.03	268 T	
G -S	0.00	69 T	
F -U	0.01	96 T	
F -D	0.03	259 T	
D -U	0.01	188 C	WindLd

TL Defl -0.09" in A -L L/999
LL Defl -0.04" in A -L L/999

Hz Disp	LL	DL	TL
Jt I	0.03"	0.03"	0.05"

Shear // Grain in C -Q 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
T	LOCK	3.0x 4.0-0.8-0.6			0.77
O	LOCK	5.0x 5.0-0.4	0.5		0.62
P	LOCK	3.0x 4.0 Ctr	Ctr		0.72
B	LOCK	4.0x 4.0 Ctr	Ctr		0.96
C	LOCK	5.0x 7.0 Ctr-0.3			0.93
Q	LOCK	2.0x 4.0 Ctr	Ctr		0.23
R	LOCK	3.0x 4.0 Ctr	Ctr		0.72
S	LOCK	3.0x 4.0 Ctr	Ctr		0.42
U	LOCK	3.0x 4.0 0.8-0.6			0.77
A	LOCK	2.0x 4.0 Ctr	Ctr		0.63
L#	LOCK	6.0x 6.0 Ctr-0.5			0.55
N	LOCK	3.0x 4.0 Ctr	Ctr		0.58
K#	LOCK	6.0x10.0 Ctr 1.2			0.55
J	LOCK	2.0x 4.0 Ctr	Ctr		0.58
M	LOCK	3.0x 7.0 Ctr	Ctr		0.54
I	LOCK	2.0x 4.0 Ctr	Ctr		0.58
H#	LOCK	6.0x10.0 0.8	0.5		0.60
G#	LOCK	6.0x 6.0 Ctr-0.5			0.55
F	LOCK	8.0x 8.0 0.7	0.7		0.55
E	LOCK	2.0x 4.0 Ctr	Ctr		0.58
D	LOCK	3.0x 4.0 Ctr	Ctr		0.77

= Plate Monitor used

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

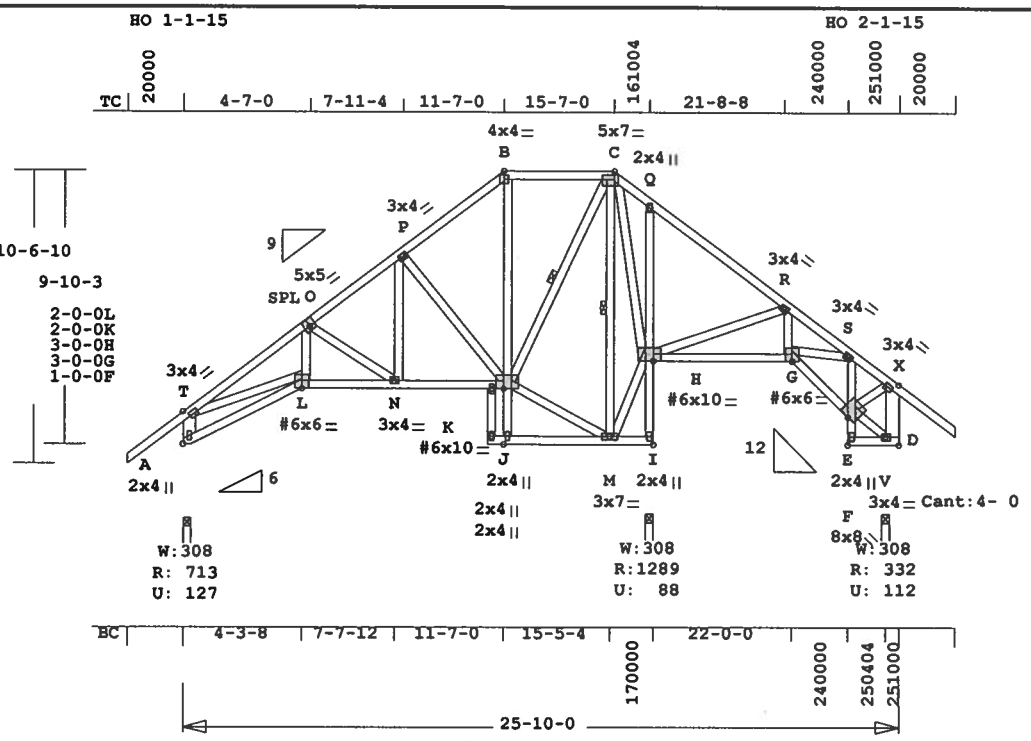
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 1272 Lbs
Max tens. force 920 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	B4	2	SP	251000	9	2- 0- 0	2- 0- 0	T2553431

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.144" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 290.8 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.30	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
CW	0.12	2x 4	SP-#2
WB	0.51	2x 4	SP-#2
--	0.03	2x 6	SP-#2

A -T V -X

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25-10- 0
BC	Cont.	0- 0- 0	25-10- 0

WB 1 rows CLB on K -C
WB 1 rows CLB on M -C
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	714	128 U	229 R
I	1290	89 U	
V	333	113 U	244 R

Jt	Brg Size	Required
A	3.5"	1.5"
I	3.5"	1.5"
V	3.5"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
T -O	0.20	1080 C	0.01 0.19
O -P	0.15	551 C	0.03 0.12
P -B	0.12	299 C	0.00 0.12
B -C	0.09	284 C	0.00 0.09
C -Q	0.26	260 T	0.03 0.23
Q -R	0.30	328 T	0.07 0.23
R -S	0.17	196 C	0.00 0.17
S -X	0.02	108 C	0.00 0.02
Bottom Chords			
A -L	0.18	235 T	0.00 0.18
L -N	0.34	858 T	0.14 0.20
N -K	0.12	441 T	0.07 0.05
J -M	0.08	16 C	0.00 0.08
M -I	0.04	23 C	0.00 0.04
H -G	0.14	316 T	0.00 0.14
G -F	0.06	349 T	0.04 0.02
E -V	0.14	2 C	0.00 0.14
V -V	0.14	243 C	0.00 0.14
V -V	0.01	0 T	0.00 0.01
Chord-Webs			
J -K	0.06	65 T	0.01 0.05
K -B	0.02	91 C	0.00 0.02
I -H	0.12	1277 C	0.00 0.12
H -Q	0.05	327 C	0.03 0.02
E -F	0.00	50 T	
F -S	0.01	94 C	0.00 0.01
Webs			
A -T	0.03	518 C	WindLd
T -L	0.16	909 T	
L -O	0.06	360 T	
O -N	0.10	496 C	
N -P	0.05	314 T	
P -K	0.19	418 C	
K -M	0.03	176 C	
K -C	0.09	522 T	1 Br
M -C	0.10	424 T	1 Br
M -H	0.05	359 T	
C -H	0.51	903 C	
H -R	0.13	379 C	
G -R	0.04	281 T	
G -S	0.01	79 T	
F -X	0.00	53 T	
F -V	0.03	259 T	
V -X	0.00	131 C	WindLd

TL Defl -0.08" in A -L L/999
LL Defl -0.04" in A -L L/999

Hz Disp	LL	DL	TL
Jt I	0.03"	0.03"	0.05"

Shear // Grain in D -V 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
T	LOCK	3.0x 4.0-0.8-0.6			0.77
O	LOCK	5.0x 5.0-0.4	0.5		0.62
P	LOCK	3.0x 4.0	Ctr	Ctr	0.72
B	LOCK	4.0x 4.0	Ctr	Ctr	0.96
C	LOCK	5.0x 7.0	Ctr-0.3		0.93
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.23
R	LOCK	3.0x 4.0	Ctr	Ctr	0.72
S	LOCK	3.0x 4.0	Ctr	Ctr	0.42
X	LOCK	3.0x 4.0	0.8-0.6		0.77
A	LOCK	2.0x 4.0	Ctr	Ctr	0.63
L#	LOCK	6.0x 6.0	Ctr-0.5		0.55
N	LOCK	3.0x 4.0	Ctr	Ctr	0.58
K#	LOCK	6.0x10.0	Ctr	1.2	0.55
J	LOCK	2.0x 4.0	Ctr	Ctr	0.58
M	LOCK	3.0x 7.0	Ctr	Ctr	0.54
I	LOCK	2.0x 4.0	Ctr	Ctr	0.58
H#	LOCK	6.0x10.0	0.8	0.5	0.60
G#	LOCK	6.0x 6.0	Ctr-0.5		0.55
F	LOCK	8.0x 8.0	0.7	0.7	0.55
E	LOCK	2.0x 4.0	Ctr	Ctr	0.58
V	LOCK	3.0x 4.0	Ctr	Ctr	0.77

= Plate Monitor used

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

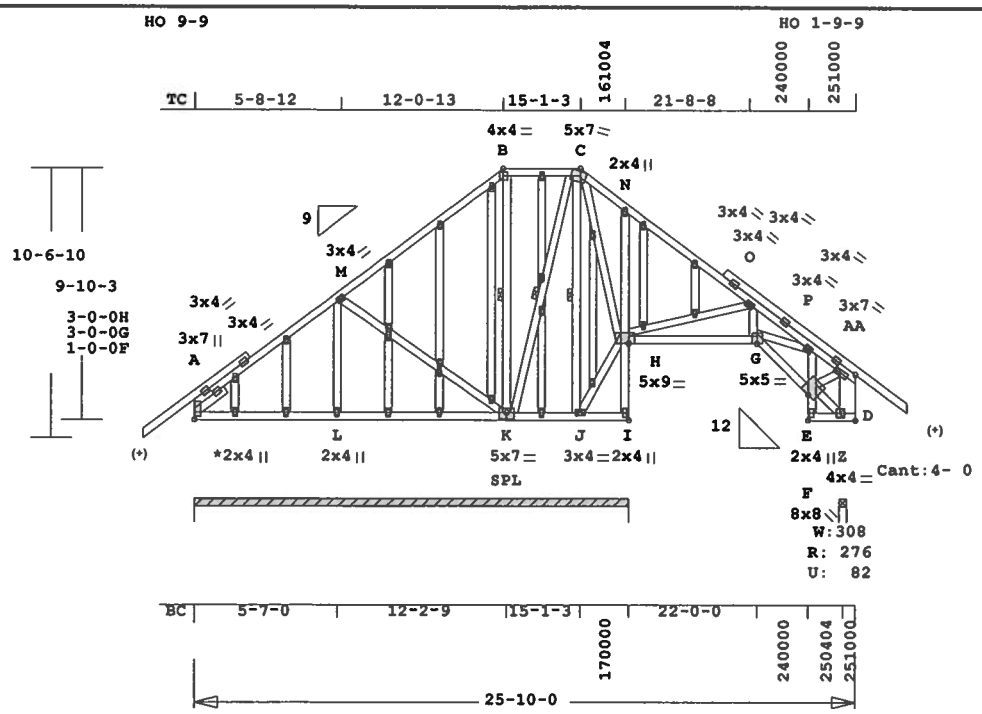
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 1277 Lbs
Max tens. force 909 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	B5	1	SP	251000	9	0	0	T2553432

MILLER RESIDENCE



ALL PLATES ARE LOCK20

See * For Typical Gable Plate Size and Placement

Scale: 0.133" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 373.1 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.41	2x 4	SP-#2 (+)
BC	0.22	2x 4	SP-#2
CW	0.08	2x 4	SP-#2
WB	0.28	2x 4	SP-#2
--	0.01	2x 8	SP-#2
	Z -AA		
SL	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25-10- 0
BC	Cont.	0- 0- 0	25-10- 0

WB 1 rows CLB on K -B
WB 1 rows CLB on K -C
WB 1 rows CLB on J -C
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-
I	1790	200 U	211 R
Z	277	82 U	238 R

Jt	Brg Size	Required
I	204.0"	0"-to- 204"
Z	3.5"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -FF	0.02	130 C	0.00	0.02
FF-M	0.41	268 C	0.00	0.41
M -B	0.41	208 T	0.00	0.41
B -C	0.15	264 T	0.00	0.15
C -N	0.21	244 T	0.01	0.20
N -O	0.24	262 T	0.04	0.20
O -P	0.16	352 C	0.00	0.16
P -AA	0.02	142 C	0.00	0.02
AA-AA	0.00	5 T		
--------Bottom Chords---------				
A -L	0.22	27 C	0.00	0.22
L -K	0.22	27 C	0.00	0.22
K -J	0.18	51 C	0.00	0.18
J -I	0.02	4 C	0.00	0.02
H -G	0.14	311 T	0.02	0.12
G -F	0.06	348 T	0.04	0.02
Z -Z	0.17	8 C	0.00	0.17
Z -Z	0.01	0 T	0.00	0.01
----------Chord-Webs----------				
I -H	0.08	539 C	0.00	0.08
H -N	0.05	298 C	0.00	0.05
E -F	0.01	51 C	0.00	0.01
F -P	0.01	175 C	0.00	0.01
------------Webs------------				
L -M	0.01	90 T		
M -K	0.28	351 C		
K -B	0.09	322 C		1 Br
K -C	0.04	186 T		1 Br
J -C	0.03	100 C		1 Br
J -H	0.07	378 C		
C -H	0.12	215 C		
H -O	0.15	448 C		
G -O	0.04	294 T		
G -P	0.03	197 T		
F -AA	0.02	118 T		
F -Z	0.03	260 T		
Z -AA	0.01	197 C	WindLd	
----------Sliders----------				
A -FF	0.03	247 C		

TL Defl -0.04" in H -G L/999
LL Defl -0.02" in H -G L/999

Hz Disp	LL	DL	TL
Jt I	0.02"	0.00"	0.02"

Shear // Grain in Z -Z 0.35

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 7.0	1.5	0.7	0.96
FF	LOCK	3.0x 4.0	Ctr	Ctr	0.51
M	LOCK	3.0x 4.0	Ctr	Ctr	0.72
B	LOCK	4.0x 4.0	Ctr	Ctr	0.96
C	LOCK	5.0x 7.0	-1.2	-3.5	1.00
N	LOCK	2.0x 4.0	Ctr	Ctr	0.23
O	LOCK	3.0x 4.0	Ctr	Ctr	0.72
P	LOCK	3.0x 4.0	Ctr	Ctr	0.47
AA	LOCK	3.0x 7.0	0.4	-0.3	0.77
L	LOCK	2.0x 4.0	Ctr	Ctr	0.40
K	LOCK	5.0x 7.0	Ctr	-0.5	0.68
J	LOCK	3.0x 4.0	Ctr	Ctr	0.58
I	LOCK	2.0x 4.0	Ctr	Ctr	0.58
H	LOCK	5.0x 9.0	Ctr	0.8	0.99
G	LOCK	5.0x 5.0	Ctr	-1.0	0.59
F	LOCK	8.0x 8.0	0.7	0.7	0.55
E	LOCK	2.0x 4.0	Ctr	Ctr	0.58
Z	LOCK	4.0x 4.0	0.5	Ctr	0.70

12 Gable studs to be attached with 2.0x4.0 plates each end.

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

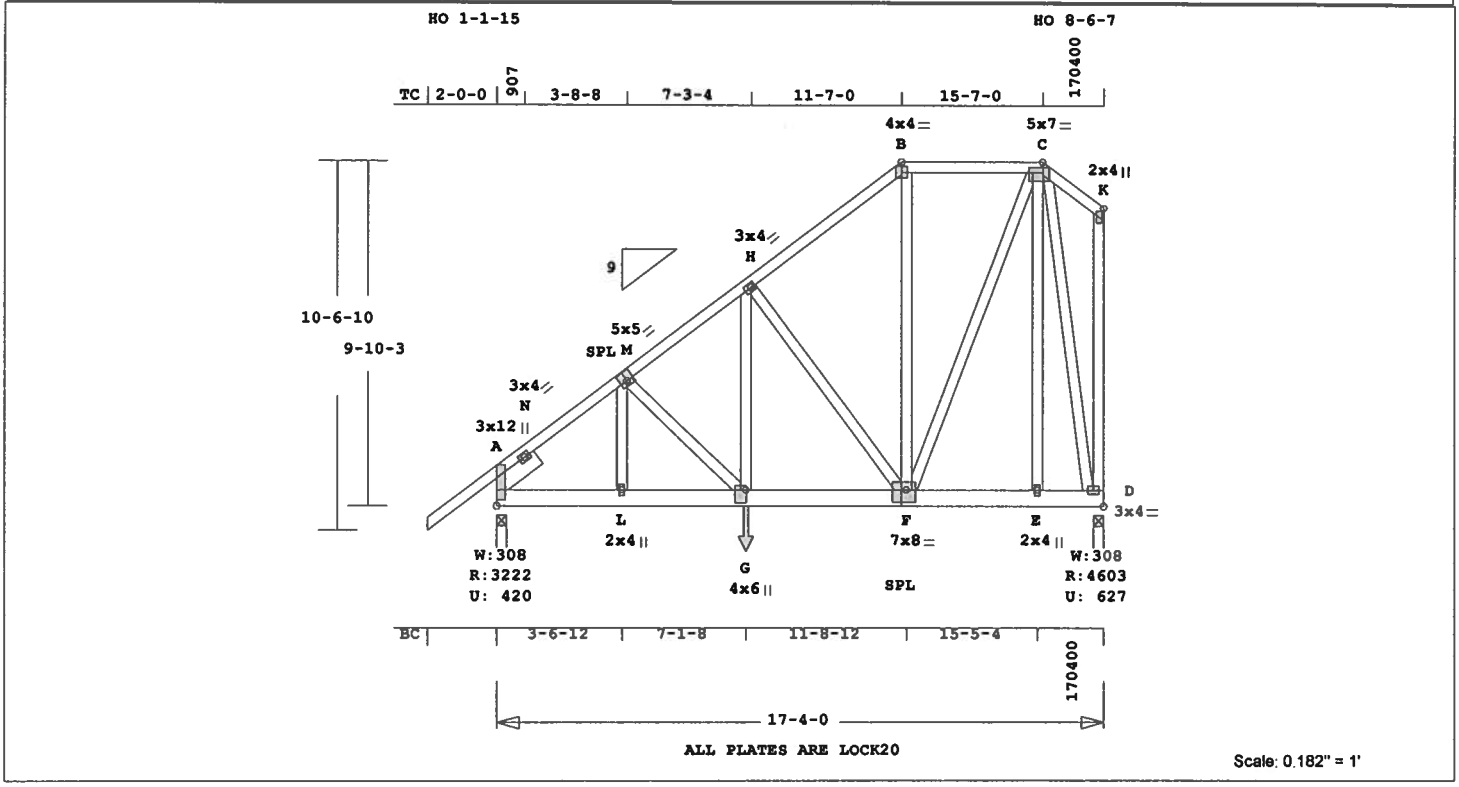
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 539 Lbs
Max tens. force 366 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	B6	1*2P	SP	170400	9	2- 0- 0	0	T2553433

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 221.9 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.53	2x 4	SP-#2
BC	0.96	2x 6	SP-#2
WB	0.60	2x 4	SP-#2
SL	0.04	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
BC	Cont.	0- 0- 0	17- 4- 0

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

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	3222	420 U	174 R
D	4603	627 U	311 R

Jt	Brg Size	Required
A	3.5"	1.9"
D	3.5"	2.7"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	17.3'
BC V	20	0	0.0'	17.3'
BC V	218	218	8.0'	17.3'
BC V	1118	1118	7.1'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
**----------Top Chords----------			
A -N	0.52	2366 C	0.01 0.51
N -M	0.53	3532 C	0.02 0.51
M -H	0.24	4055 C	0.04 0.20
H -B	0.13	2350 C	0.06 0.07
B -C	0.19	1879 C	0.00 0.19
C -K	0.24	281 T	0.00 0.24
**--------Bottom Chords---------			
A -L	0.96	2711 T	0.18 0.78
L -G	0.49	2711 T	0.18 0.31
G -F	0.61	3282 T	0.21 0.40
F -E	0.44	734 T	0.04 0.40
E -D	0.11	729 T	0.04 0.07
**----------Webs----------			
L -M	0.04	849 C	
M -G	0.07	805 T	
G -H	0.23	2659 T	
H -F	0.23	2326 C	
F -B	0.11	1321 T	
F -C	0.28	3042 T	
E -C	0.09	1109 T	
C -D	0.60	4008 C	
D -K	0.15	268 C	WindLd
**----------Sliders----------			
A -N	0.04	1433 C	

TL Defl -0.11" in G -F L/999
LL Defl -0.06" in G -F L/999
Shear // Grain in G -F 0.46

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x12.0	1.5	0.4	0.62
N	LOCK	3.0x 4.0	Ctr	Ctr	0.60
M	LOCK	5.0x 5.0	-0.4	0.5	0.58
H	LOCK	3.0x 4.0	-0.4	-0.3	0.87
B	LOCK	4.0x 4.0	Ctr	Ctr	0.81
C	LOCK	5.0x 7.0	0.5	-0.7	0.89
K	LOCK	2.0x 4.0	Ctr	Ctr	0.38
L	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	4.0x 6.0	Ctr	-1.5	0.86
F	LOCK	7.0x 8.0	1.0	-0.8	0.78
E	LOCK	2.0x 4.0	Ctr	Ctr	0.60
D	LOCK	3.0x 4.0	Ctr	Ctr	0.83

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:
FBC2004
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	----Spacing (In)----		
	Rows	Nails	Screws	Bolts
TC	1	12	24	0
BC	2	12	24	0
WB	1	8	8	

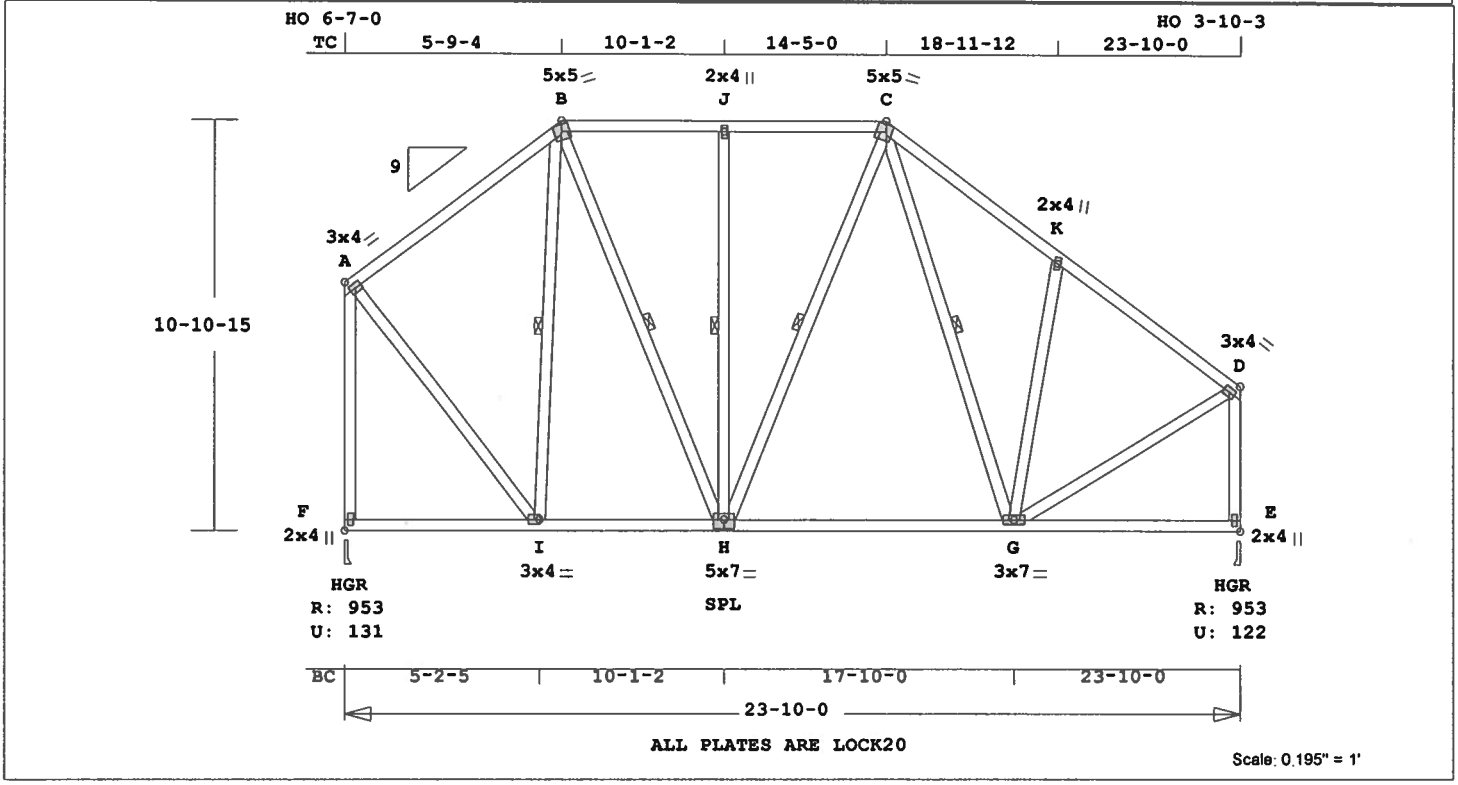
Web Connection Exception --
Use 4" spacing for screws or nails on the following webs
C -D
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 4055 Lbs
Max tens. force 3282 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	C1	2	SP	231000	9	0	0	T2553434

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 257.7 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.36	2x 4	SP-#2
BC	0.36	2x 4	SP-#2
WB	0.47	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 9- 4
TC	24.0"	5- 9- 4	14- 5- 0
TC	Cont.	14- 5- 0	23-10- 0
BC	Cont.	0- 0- 0	23-10- 0

WB 1 rows CLB on I -B
WB 1 rows CLB on B -H
WB 1 rows CLB on H -J
WB 1 rows CLB on H -C
WB 1 rows CLB on C -G
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-
F	953	131 U	314 R
E	953	123 U	272 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
**----------Top Chords----------			
A -B	0.36	457 C	0.00 0.36
B -J	0.24	522 C	0.00 0.24
J -C	0.13	522 C	0.00 0.13
C -K	0.25	673 C	0.00 0.25
K -D	0.25	705 C	0.00 0.25
**--------Bottom Chords---------			
F -I	0.13	231 T	0.00 0.13
I -H	0.27	390 T	0.04 0.23
H -G	0.36	498 T	0.05 0.31
G -E	0.31	224 T	0.00 0.31
**------------Webs------------			
F -A	0.47	908 C	WindLd
A -I	0.11	598 T	
I -B	0.13	366 C	1 Br
B -H	0.06	339 T	1 Br
H -J	0.09	242 C	1 Br
H -C	0.02	120 T	1 Br
C -G	0.05	236 T	1 Br
G -K	0.21	326 C	
G -D	0.12	678 T	
E -D	0.16	907 C	WindLd

TL Defl -0.13" in H -G L/999
LL Defl -0.06" in H -G L/999
Shear // Grain in A -B 0.18

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.74
B	LOCK	5.0x 5.0	0.2	-3.8	0.80
J	LOCK	2.0x 4.0	Ctr	Ctr	0.40
C	LOCK	5.0x 5.0	-0.6	-3.5	0.88
K	LOCK	2.0x 4.0	Ctr	Ctr	0.37
D	LOCK	3.0x 4.0	Ctr	Ctr	0.74
F	LOCK	2.0x 4.0	Ctr	Ctr	0.40
I	LOCK	3.0x 4.0	Ctr	Ctr	0.56
H	LOCK	5.0x 7.0	Ctr	-0.5	0.62
G	LOCK	3.0x 7.0	Ctr	Ctr	0.54
E	LOCK	2.0x 4.0	Ctr	Ctr	0.40

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

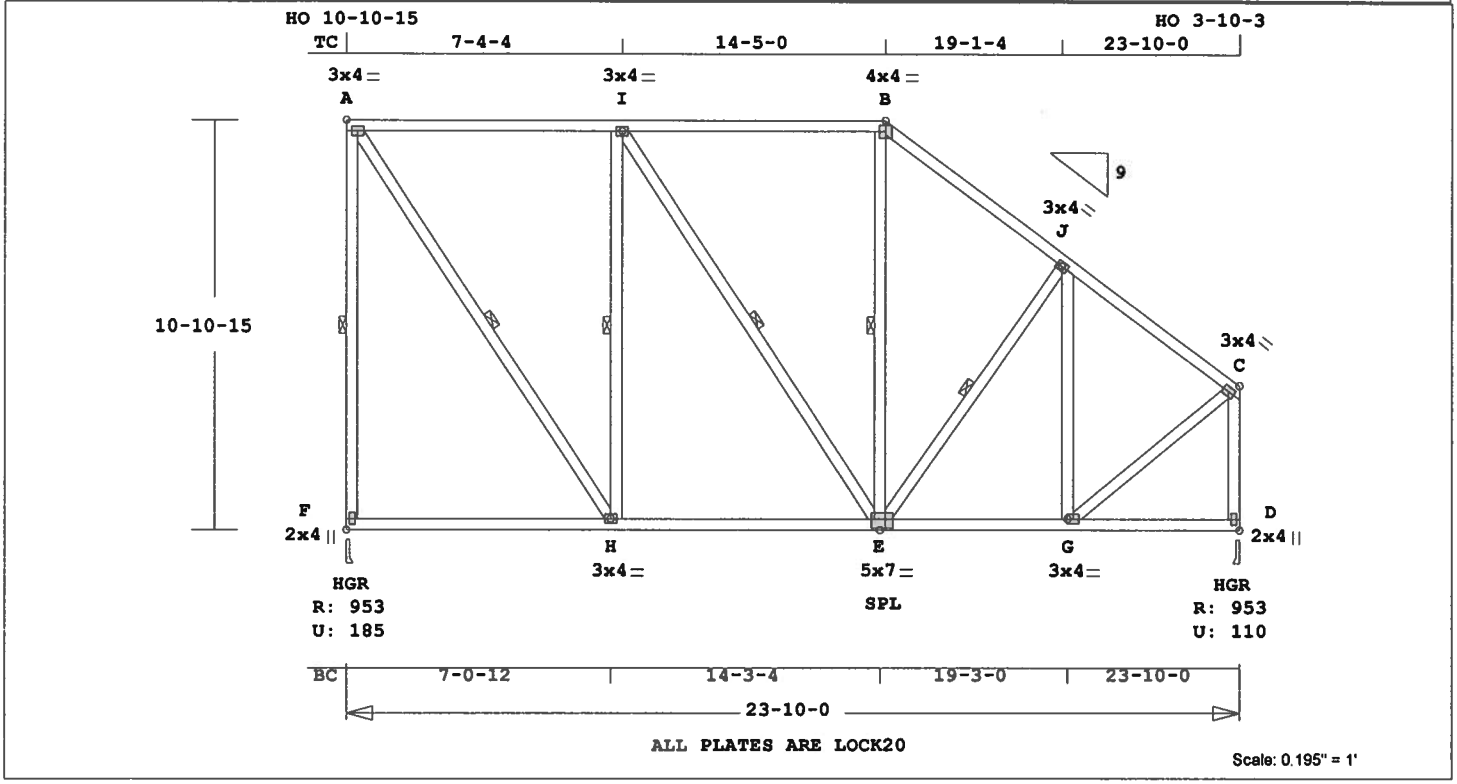
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 908 Lbs
Max tens. force 678 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	C2	1	HHIP	231000	9	0	0	T2553435

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 244.9 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.62	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.63	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	23-10- 0
BC	Cont.	0- 0- 0	23-10- 0

WB 1 rows CLB on F -A
WB 1 rows CLB on A -H
WB 1 rows CLB on H -I
WB 1 rows CLB on I -E
WB 1 rows CLB on E -B
WB 1 rows CLB on E -J
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-
F	953	185 U	371 R
D	953	110 U	260 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -I	0.62	480 C	0.00 0.62
I -B	0.62	514 C	0.00 0.62
B -J	0.23	648 C	0.00 0.23
J -C	0.23	621 C	0.00 0.23
Bottom Chords			
F -H	0.34	291 T	0.00 0.34
H -E	0.39	480 T	0.05 0.34
E -G	0.23	510 T	0.05 0.18
G -D	0.12	212 T	0.00 0.12
Webs			
F -A	0.63	894 C	WindLd 1 Br
A -H	0.16	867 T	1 Br
H -I	0.20	559 C	1 Br
I -E	0.05	108 C	1 Br
E -B	0.02	179 T	1 Br
E -J	0.04	167 C	1 Br
G -J	0.19	319 C	
G -C	0.12	659 T	
D -C	0.16	914 C	WindLd

TL Defl -0.14" in F -H L/999
LL Defl -0.07" in F -H L/999
Shear // Grain in A -I 0.34

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.74
I	LOCK	3.0x 4.0	Ctr	Ctr	0.55
B	LOCK	4.0x 4.0	Ctr	Ctr	0.92
J	LOCK	3.0x 4.0	Ctr	Ctr	0.69
C	LOCK	3.0x 4.0	Ctr	Ctr	0.74
F	LOCK	2.0x 4.0	Ctr	Ctr	0.40
H	LOCK	3.0x 4.0	Ctr	Ctr	0.58
E	LOCK	5.0x 7.0-1.0-0.5			0.62
G	LOCK	3.0x 4.0	Ctr	Ctr	0.55
D	LOCK	2.0x 4.0	Ctr	Ctr	0.40

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

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

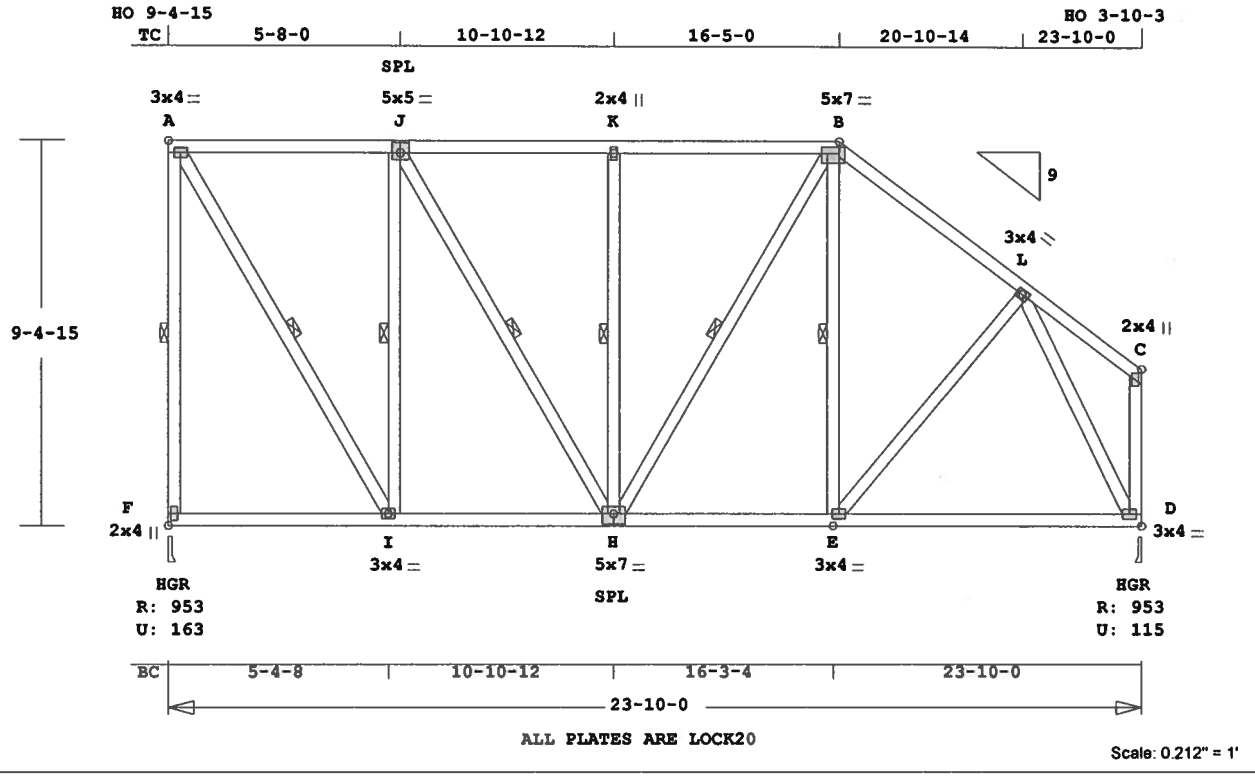
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 914 Lbs
Max tens. force 867 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	C3	1	HHIP	231000	9	0	0	T2553436

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 249.4 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.47	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	23-10- 0
BC	Cont.	0- 0- 0	23-10- 0

WB 1 rows CLB on F -A
WB 1 rows CLB on A -I
WB 1 rows CLB on I -J
WB 1 rows CLB on J -H
WB 1 rows CLB on H -K
WB 1 rows CLB on H -B
WB 1 rows CLB on E -B
Attach CLB with (2)-10d nails at each web.

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
F	953	163 U	316 R
D	953	115 U	228 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -J	0.31	453 C	0.00 0.31
J -K	0.31	622 C	0.00 0.31
K -B	0.26	622 C	0.00 0.26
B -L	0.16	679 C	0.04 0.12
L -C	0.15	129 T	0.01 0.14
Bottom Chords			
F -I	0.19	246 T	0.00 0.19
I -H	0.23	453 T	0.04 0.19
H -E	0.37	543 T	0.05 0.32
E -D	0.35	402 T	0.03 0.32
Webs			
F -A	0.47	907 C	WindLd 1 Br
A -I	0.16	893 T	1 Br
I -J	0.18	645 C	1 Br
J -H	0.06	331 T	1 Br
H -K	0.09	331 C	1 Br
H -B	0.02	155 T	1 Br
E -B	0.02	131 T	1 Br
E -L	0.04	228 T	
L -D	0.45	917 C	
D -C	0.05	109 C	WindLd

TL Defl -0.19" in E -D L/999
LL Defl -0.09" in E -D L/999
Shear // Grain in A -J 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.74
J	LOCK	5.0x 5.0	Ctr	0.5	0.62
K	LOCK	2.0x 4.0	Ctr	Ctr	0.40
B	LOCK	5.0x 7.0	Ctr-0.3		0.85
L	LOCK	3.0x 4.0	Ctr	Ctr	0.69
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38
F	LOCK	2.0x 4.0	Ctr	Ctr	0.40
I	LOCK	3.0x 4.0	Ctr	Ctr	0.60
H	LOCK	5.0x 7.0	Ctr-0.5		0.62
E	LOCK	3.0x 4.0	Ctr	Ctr	0.55
D	LOCK	3.0x 4.0	Ctr	Ctr	0.74

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

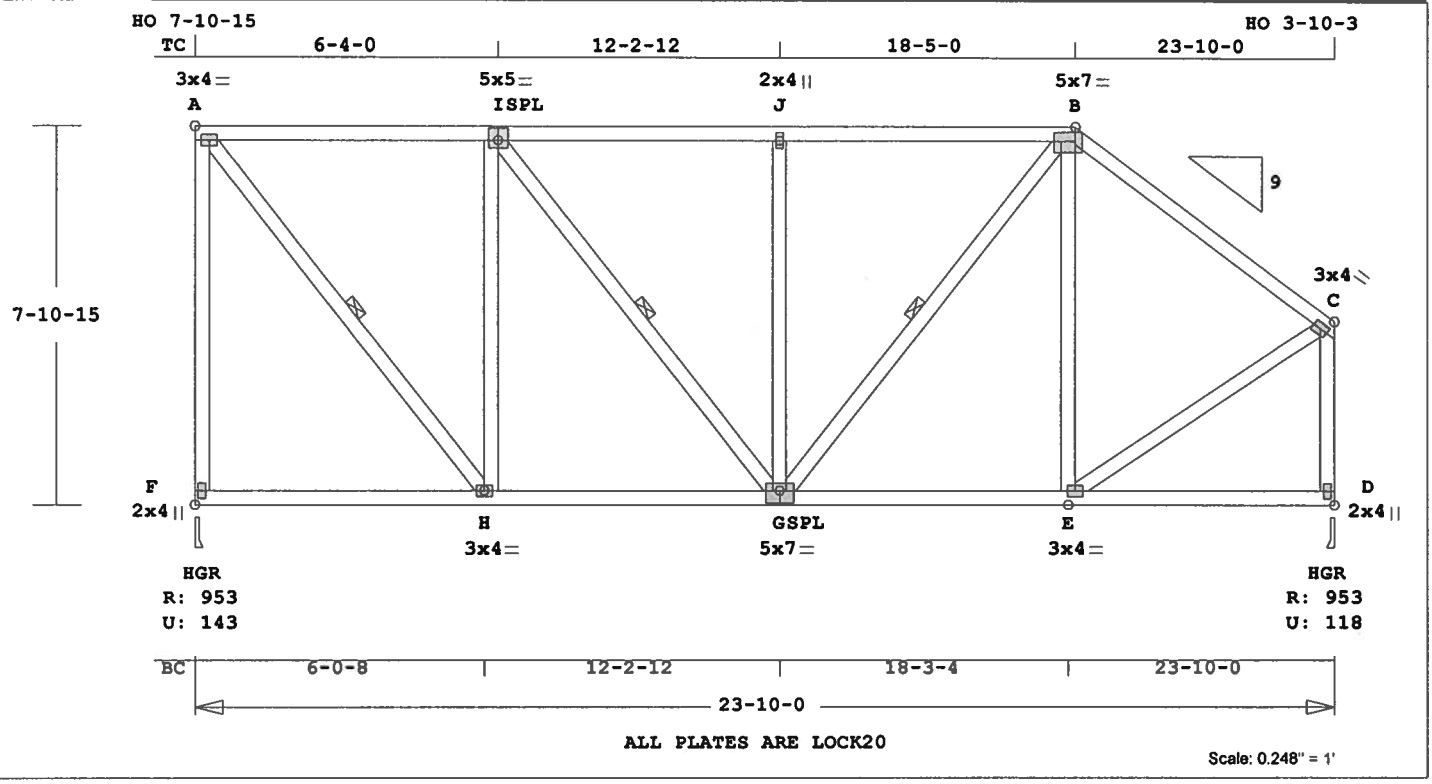
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 917 Lbs
Max tens. force 893 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HARPE-MILLER	C4	1	HHIP	231000	9	0	0	T2553437

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 219.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.40	2x 4	SP-#2
BC	0.29	2x 4	SP-#2
WB	0.65	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	23-10- 0
BC	Cont.	0- 0- 0	23-10- 0

WB 1 rows CLB on A -H
WB 1 rows CLB on I -G
WB 1 rows CLB on G -B
Attach CLB with (2)-10d nails at each web.

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
F	953	143 U	263 R
D	953	119 U	199 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
**----------Top Chords----------			
A -I	0.40	593 C	0.00 0.40
I -J	0.40	756 C	0.00 0.40
J -B	0.32	756 C	0.00 0.32
B -C	0.29	660 C	0.00 0.29
**--------Bottom Chords---------			
F -H	0.23	205 T	0.00 0.23
H -G	0.29	593 T	0.06 0.23
G -E	0.26	540 T	0.05 0.21
E -D	0.21	151 T	0.00 0.21
**------------Webs-------------			
F -A	0.65	902 C	WindLd
A -H	0.17	955 T	1 Br
H -I	0.44	612 C	
I -G	0.04	261 T	1 Br
G -J	0.26	362 C	
G -B	0.06	346 T	1 Br
E -B	0.16	230 C	
E -C	0.11	646 T	
D -C	0.16	908 C	WindLd

TL Defl -0.08" in F -H L/999
LL Defl -0.04" in F -H L/999
Shear // Grain in A -I 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.74
I	LOCK	5.0x 5.0	Ctr	0.5	0.62
J	LOCK	2.0x 4.0	Ctr	Ctr	0.40
B	LOCK	5.0x 7.0	Ctr	-0.3	0.85
C	LOCK	3.0x 4.0	Ctr	Ctr	0.74
F	LOCK	2.0x 4.0	Ctr	Ctr	0.40
H	LOCK	3.0x 4.0	Ctr	Ctr	0.62
G	LOCK	5.0x 7.0	Ctr	-0.5	0.62
E	LOCK	3.0x 4.0	Ctr	Ctr	0.55
D	LOCK	2.0x 4.0	Ctr	Ctr	0.40

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

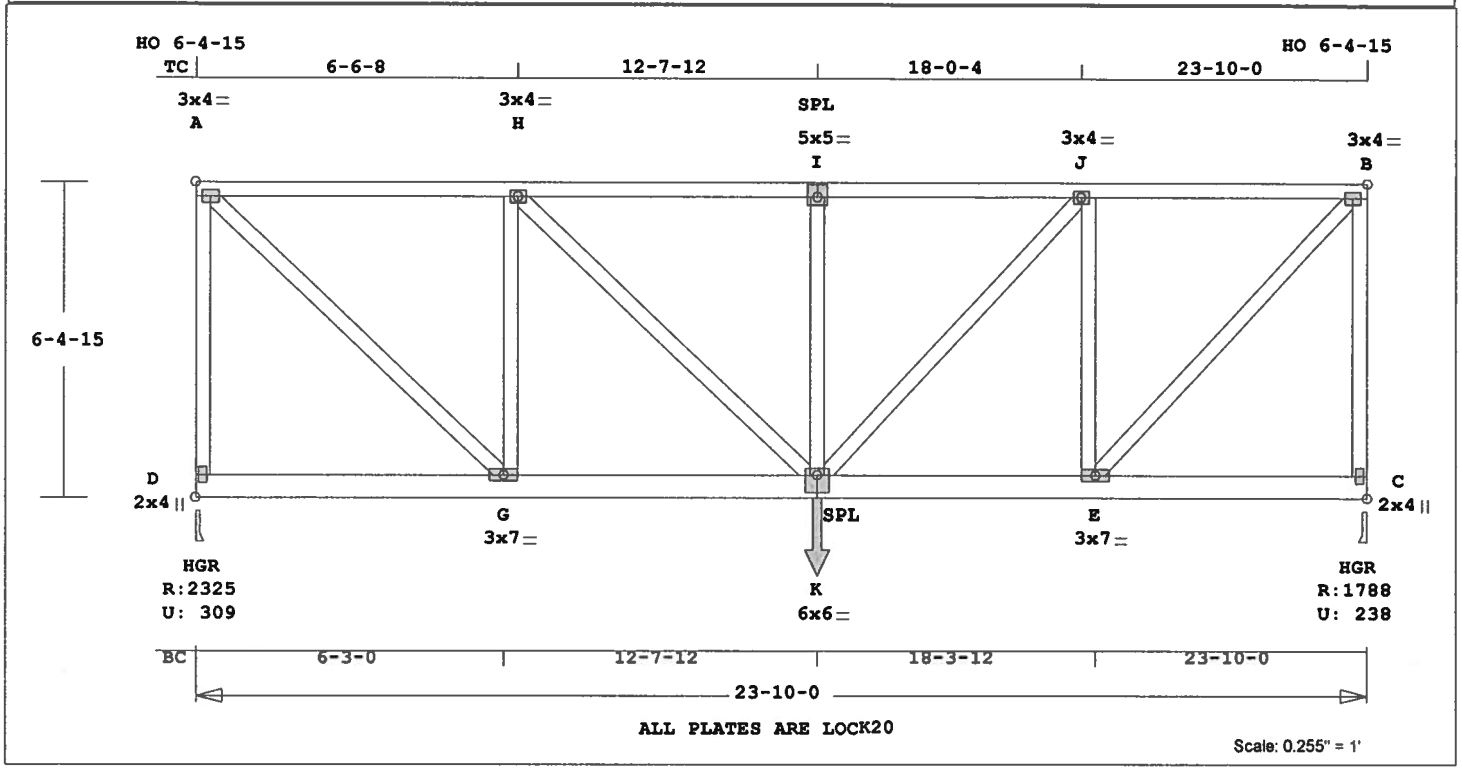
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 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 908 Lbs
Max tens. force 955 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	C5	1*2P	FLAT	231000	60415	0	0	T2553438

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 226.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.60	2x 4	SP-#2
BC	0.20	2x 6	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	23-10- 0
BC	Cont.	0- 0- 0	23-10- 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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
D	2325	310 U	197 R
C	1788	238 U	197 R

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

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	23.8'
BC V	20	0	0.0'	23.8'
TC V	25	50	0.0'	11.5'
BC V	25	0	0.0'	11.5'
BC V	529	529	12.6'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -H	0.59	1918 C	0.00 0.59
H -I	0.60	2480 C	0.01 0.59
I -J	0.24	2480 C	0.01 0.23
J -B	0.16	1457 C	0.00 0.16
--------Bottom Chords---------			
D -G	0.10	151 T	0.00 0.10
G -K	0.20	1918 T	0.12 0.08
K -E	0.11	1457 T	0.09 0.02
E -C	0.04	151 T	0.00 0.04
------------Webs------------			
D -A	0.15	2203 C	WindLd
A -G	0.24	2667 T	
G -H	0.10	1524 C	
H -K	0.07	804 T	
K -I	0.03	466 C	
K -J	0.14	1516 T	
E -J	0.10	1467 C	
E -B	0.19	2158 T	
C -B	0.12	1738 C	WindLd

TL Defl -0.08" in G -K L/999
LL Defl -0.04" in G -K L/999
Shear // Grain in A -H 0.33

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.83
H	LOCK	3.0x 4.0	Ctr	Ctr	0.55
I	LOCK	5.0x 5.0	Ctr	0.5	0.62
J	LOCK	3.0x 4.0	Ctr	Ctr	0.55
B	LOCK	3.0x 4.0	Ctr	Ctr	0.74
D	LOCK	2.0x 4.0	Ctr	Ctr	0.61
G	LOCK	3.0x 7.0	Ctr	Ctr	0.52
K	LOCK	6.0x 6.0	Ctr	-1.2	0.66
E	LOCK	3.0x 7.0	Ctr	Ctr	0.45
C	LOCK	2.0x 4.0	Ctr	Ctr	0.61

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:
FBC2004
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

		----Spacing (In)----		
	Rows	Nails	Screws	Bolts
TC	1	12	24	0
BC	2	12	24	0
WB	1	8	8	

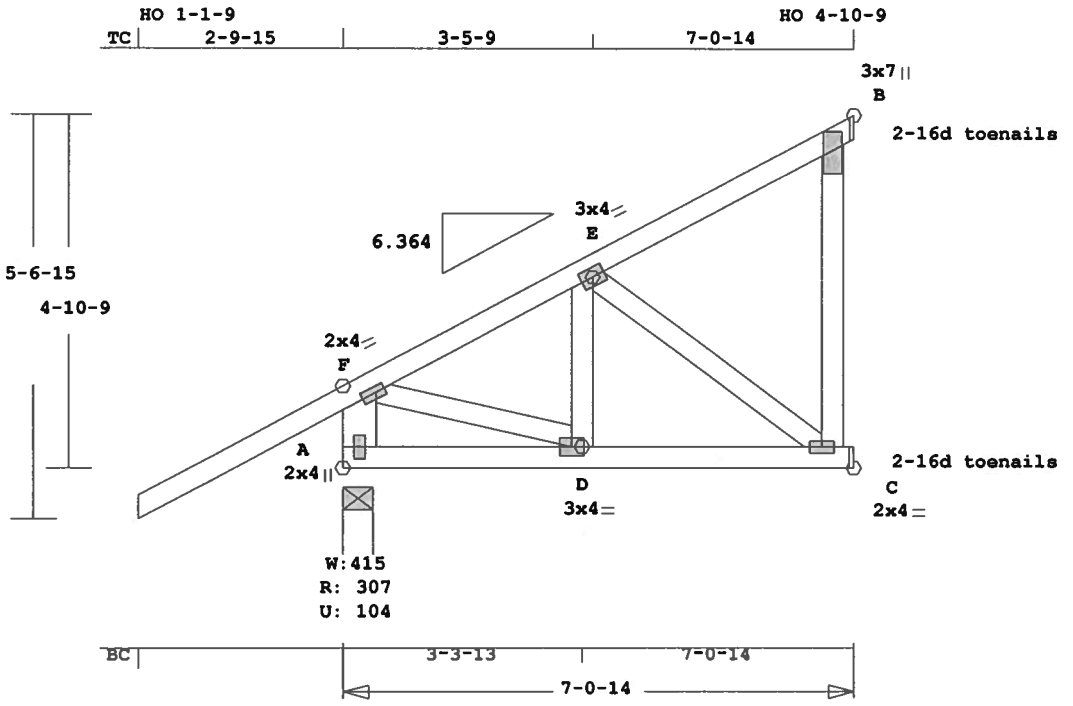
Plus clusters of nails where shown.
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
This truss must be installed as shown. It cannot be installed upside-down.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 2480 Lbs
Max tens. force 2667 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	CJ1	2	MONO.DD	70014	6.364	2- 9-15	0	T2553439

MILLER RESIDENCE



ALL PLATES ARE LOCK20

Scale: 0.376" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 62.0 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.13	2x 4	SP-#2
BC	0.08	2x 4	SP-#2
WB	0.09	2x 4	SP-#2
--	0.00	2x 6	SP-#2
	A -F		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0-14
BC	Cont.	0- 0- 0	7- 0-14

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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	307	105 U	76 R
C	163	11 U	
B	126	36 U	135 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	7.1'
BC V	20	0	0.0'	7.1'
TC V	-20	-40	0.0'	
	8	17		7.1'
BC V	-20	0	0.0'	
	8	0		7.1'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
F -E	0.11	146 C	0.00 0.11
E -B	0.13	91 T	0.00 0.13
--------Bottom Chords---------			
A -D	0.06	84 T	0.00 0.06
D -C	0.08	140 T	0.01 0.07
------------Webs------------			
A -F	0.00	123 C	WindLd
F -D	0.02	146 T	
D -E	0.01	78 T	
E -C	0.04	175 C	
C -B	0.09	0 T	WindLd

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

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
F	LOCK	2.0x 4.0-0.4-0.2			0.75
E	LOCK	3.0x 4.0	Ctr	Ctr	0.42
B	LOCK	3.0x 7.0	Ctr-0.3		0.36
A	LOCK	2.0x 4.0	Ctr	Ctr	0.41
D	LOCK	3.0x 4.0	Ctr	Ctr	0.51
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

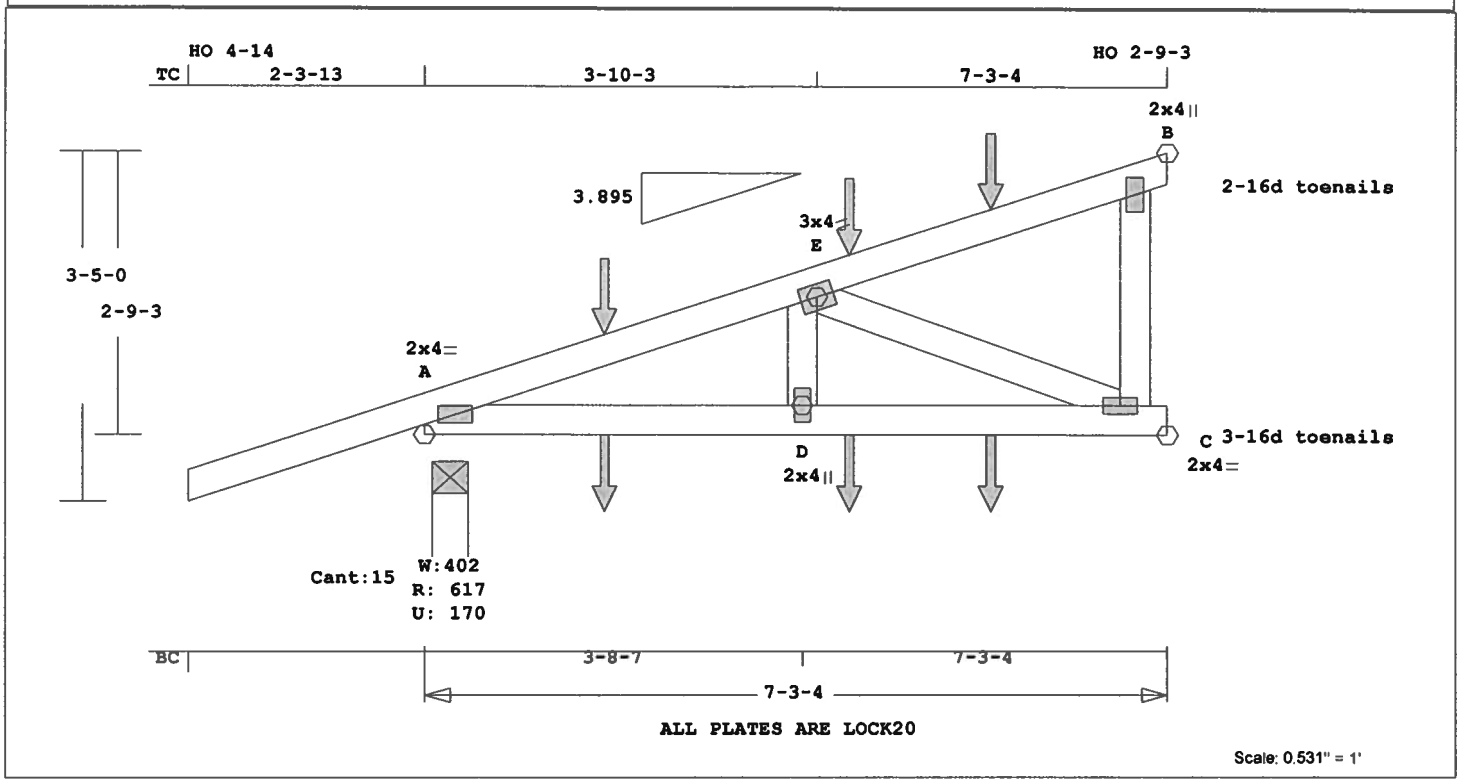
Girder King Jack
Loading TC and BC
Setback 5- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Max gap between edge of brg and end vertical is 1/2".
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 175 Lbs
Max tens. force 146 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	CJ2	1	MONO	70304	3.895	2- 3-13	0	T2553440

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 44.9 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
WB	0.17	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 3- 4
BC	Cont.	0- 0- 0	7- 3- 4

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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	617	170 U	67 R
C	439	122 U	
B	181	42 U	83 R

Jt	Brg Size	Required
A	4.1"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	7.3'
BC V	20	0	0.0'	7.3'
BC V	21	21	1.8'	CL-LB
TC V	12	12	1.8'	CL-LB
BC V	43	43	4.2'	CL-LB
TC V	65	65	4.2'	CL-LB
BC V	45	45	5.5'	CL-LB
TC V	69	69	5.5'	CL-LB

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -E	0.33	1072 T	0.15 0.18
E -B	0.32	57 T	0.00 0.32
Bottom Chords			
A -D	0.22	1052 C	0.15 0.07
D -C	0.34	1052 C	0.15 0.19
Webs			
D -E	0.04	370 C	
E -C	0.17	1204 T	
C -B	0.02	0 T	WindLd

TL Defl -0.02" in A -D L/999
LL Defl -0.01" in A -D L/999
Shear // Grain in E -B 0.37

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.79
E	LOCK	3.0x 4.0	Ctr	Ctr	0.51
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.80

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0-15	7- 3- 4

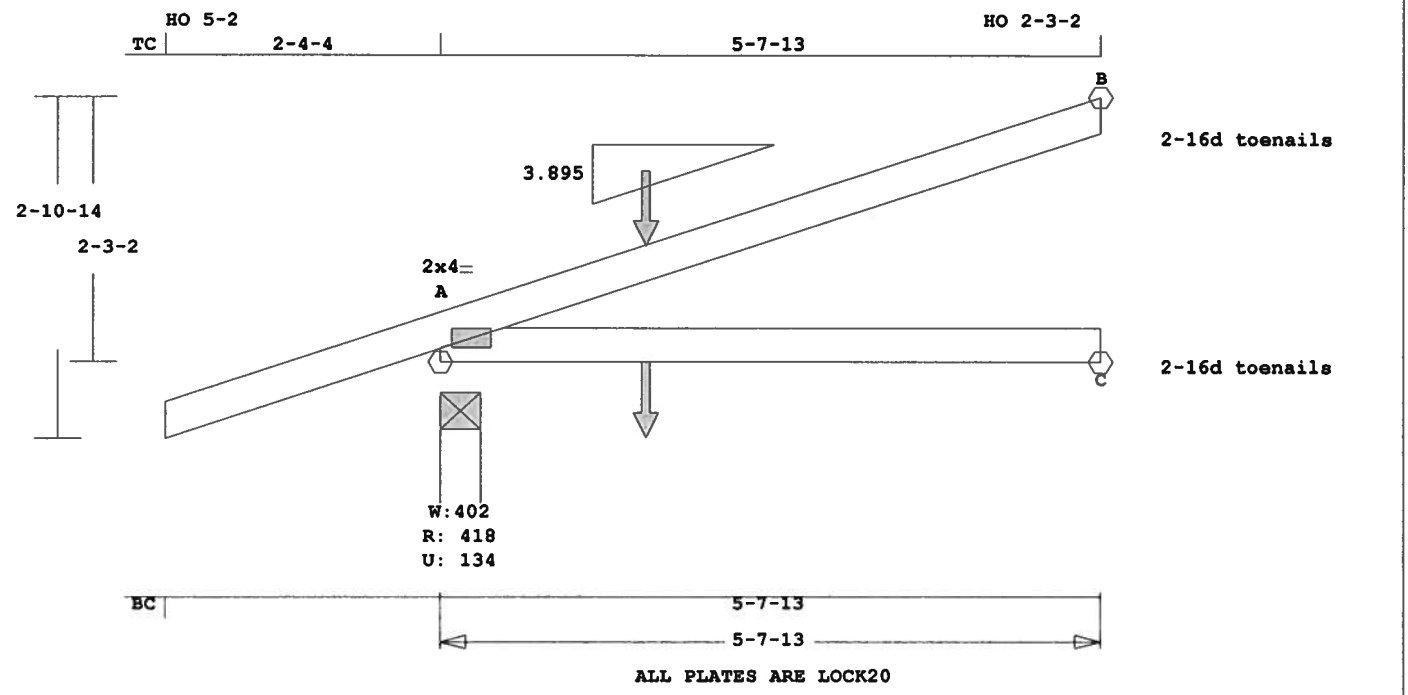
Max comp. force 1052 Lbs
Max tens. force 1204 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	CJ3	1	JCA2	50713	3.895	2- 4- 4	0	T2553441

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 26.7 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.55	2x 4	SP-#2
BC	0.57	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 7-13
BC	Cont.	0- 0- 0	5- 7-13

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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	418	135 U	166 R
C	116	37 U	
B	169	67 U	38 R

Jt	Brg Size	Required
A	4.1"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	5.7'
BC V	20	0	0.0'	5.7'
BC V	21	21	1.8'	CL-LB
TC V	12	12	1.8'	CL-LB

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
A -B	0.55	102 C	0.00 0.55
A -C	0.57	0 T	0.00 0.57

TL Defl -0.08" in A -C L/780
LL Defl -0.03" in A -C L/999
Shear // Grain in A -B 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.76

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
	0- 0- 0	5- 7-13

Max comp. force 102 Lbs
Max tens. force 22 Lbs
Quality Control Factor 1.25

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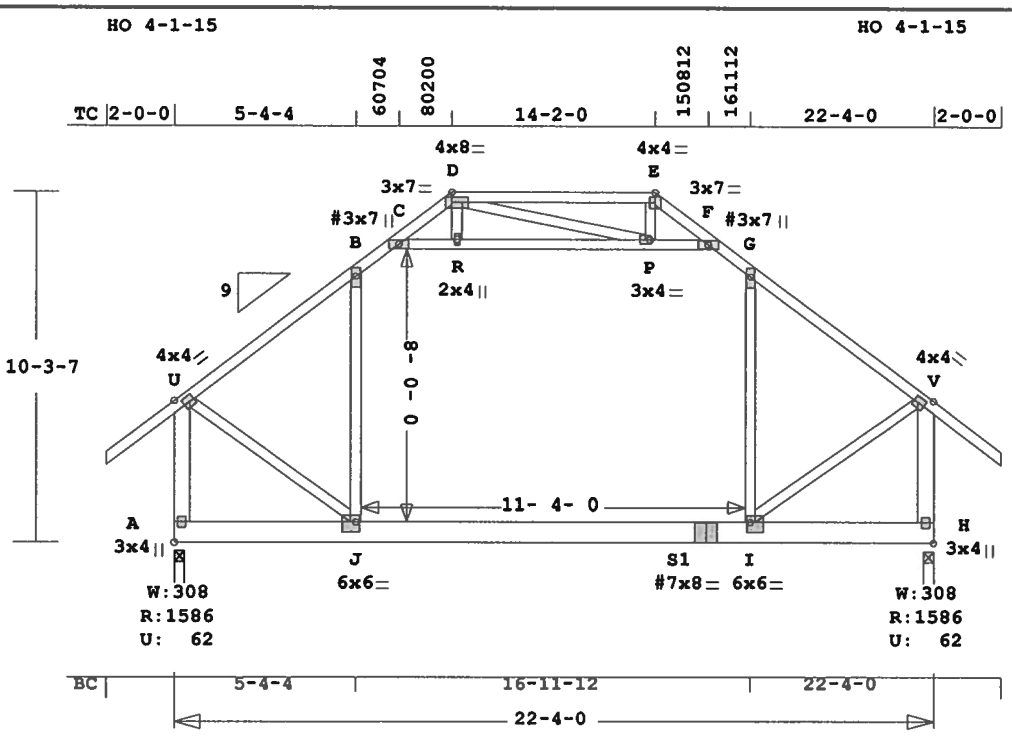
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	D1	3	ATPB	220400	9	2- 0- 0	2- 0- 0	T2553442

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.177" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 247.2 LBS

```
Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

     CSI -Size- ----Lumber----
TC  0.67  2x 4  SP-#2
BC  0.90  2x 8  SP-#2
WB  0.26  2x 4  SP-#2
--  0.20  2x 6  SP-#2
    A -U   H -V
ACT 0.09  2x 4  SP-#2
AWT 0.02  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0   8- 2- 0
 TC   24.0"    8- 2- 0  14- 2- 0
 TC  Cont.    14- 2- 0  22- 4- 0
 BC  Cont.     0- 0- 0  22- 4- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.00
Plate  Duration Factor  1.00
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   1586    63 U   263 R
H   1586    63 U   264 R

Jt   Brg Size   Required
A       3.5"       1.9"
H       3.5"       1.9"

LC#  1  Attic Loading
Dur Fctrs - Lbr 1.00  Plt 1.00
plf - Dead  Live* From    To
TC V    20    40   0.0'  22.3'
BC V    20     0   0.0'  22.3'
TC V    10     0   5.5'   6.4'
TC V    10     0  15.9'  16.8'
BC V    10    80   5.5'  16.8'
MA V    10     0   6.6'  15.7'
MA V    10     0   0.3'   7.8'
MA V    10     0   0.3'   7.8'

Plus  9 Wind Load Case(s)
Plus  2 Unbalanced Load Cases
Plus  1 UBC LL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
U -B  0.55  1168 C  0.01  0.54
B -C  0.67   966 C  0.00  0.67
C -D  0.67   341 C  0.00  0.67
D -E  0.44   259 C  0.00  0.44
E -F  0.67   378 C  0.00  0.67
F -G  0.67   966 C  0.00  0.67
G -V  0.56  1168 C  0.01  0.55
--------Bottom Chords---------
A -J  0.79   213 T  0.00  0.79
J -S1 0.90   931 T  0.11  0.79
S1-I  0.90   931 T  0.11  0.79
I -H  0.79   213 T  0.00  0.79
-------------Webs-------------
A -U  0.20  1572 C WindLd
U -J  0.26  1164 T
J -B  0.07   428 T
I -G  0.07   428 T
I -V  0.26  1164 T
H -V  0.20  1572 C WindLd
------Attic Chords (Top)------
C -R  0.08   884 C  0.03  0.05
R -P  0.09   890 C  0.00  0.09
P -F  0.09   872 C  0.00  0.09
-------Attic Webs (Top)-------
R -D  0.00    60 T
D -P  0.02    88 T
P -E  0.01    69 T

TL Defl  -0.36" in J -I  L/728
LL Defl  -0.27" in J -I  L/971
Shear // Grain  in J -S1  0.53

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS  20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
U  LOCK  4.0x 4.0-0.4-0.3 0.79
B# LOCK  3.0x 7.0 Ctr-0.5 0.25
C  LOCK  3.0x 7.0 Ctr Ctr 0.25
D  LOCK  4.0x 8.0 Ctr-0.2 0.99
E  LOCK  4.0x 4.0 Ctr Ctr 0.90
F  LOCK  3.0x 7.0 Ctr Ctr 0.25
G# LOCK  3.0x 7.0 Ctr-0.5 0.25
V  LOCK  4.0x 4.0 0.4-0.3 0.79
A  LOCK  3.0x 4.0 Ctr Ctr 0.79
J  LOCK  6.0x 6.0 Ctr-0.6 0.67
S1#LOCK  7.0x 8.0 Ctr Ctr 0.34
I  LOCK  6.0x 6.0 Ctr-0.6 0.67
H  LOCK  3.0x 4.0 Ctr Ctr 0.79
R  LOCK  2.0x 4.0 Ctr Ctr 0.40
P  LOCK  3.0x 4.0 Ctr Ctr 0.72

# = Plate Monitor used

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:
  FBC2004
OH Loading
  Soffit psf 2.0
Design checked for 10 psf non-
  concurrent LL on BC.
NOTE: USER MODIFIED PLATES
  This design may have plates
  selected through a plate
  monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          110 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
Unbalanced Loads Checked
  Load Factors = 1.00 and 0.00
Max comp. force     1572 Lbs
Max tens. force     1164 Lbs
Quality Control Factor 1.25
```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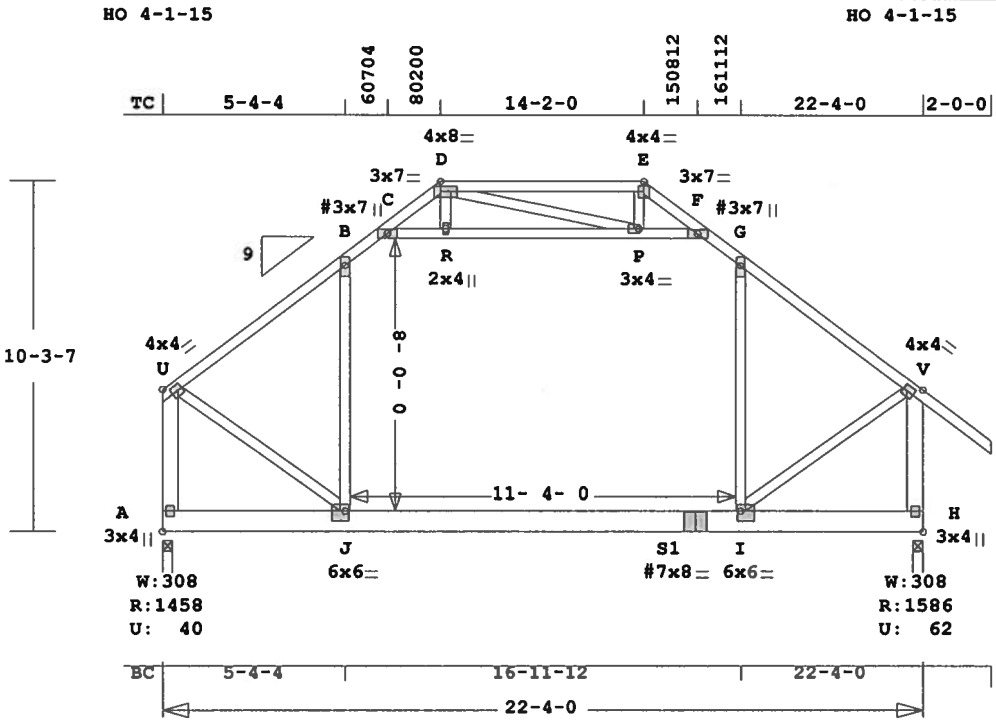
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	D2	3	ATPB	220400	9	0	2- 0- 0	T2553443

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.177" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 242.4 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.67	2x 4	SP-#2
BC	0.90	2x 8	SP-#2
WB	0.26	2x 4	SP-#2
--	0.20	2x 6	SP-#2
	A -U	H -V	
ACT	0.09	2x 4	SP-#2
AWT	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 2- 0
TC	24.0"	8- 2- 0	14- 2- 0
TC	Cont.	14- 2- 0	22- 4- 0
BC	Cont.	0- 0- 0	22- 4- 0

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

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.00
Plate Duration Factor 1.00
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	1458	40 U	263 R
H	1586	63 U	264 R

Jt	Brg Size	Required
A	3.5"	1.7"
H	3.5"	1.9"

LC# 1 Attic Loading
Dur Fctrs - Lbr 1.00 Plt 1.00

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	22.3'
BC V	20	0	0.0'	22.3'
TC V	10	0	5.5'	6.4'
TC V	10	0	15.9'	16.8'
BC V	10	80	5.5'	16.8'
MA V	10	0	6.6'	15.7'
MA V	10	0	0.3'	7.8'
MA V	10	0	0.3'	7.8'

Plus 9 Wind Load Case(s)
Plus 2 Unbalanced Load Cases
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
**----------Top Chords----------			
U -B	0.55	1168 C	0.01 0.54
B -C	0.67	966 C	0.00 0.67
C -D	0.67	341 C	0.00 0.67
D -E	0.44	259 C	0.00 0.44
E -F	0.67	378 C	0.00 0.67
F -G	0.67	966 C	0.00 0.67
G -V	0.56	1168 C	0.01 0.55
**--------Bottom Chords--------			
A -J	0.79	213 T	0.00 0.79
J -S1	0.90	931 T	0.11 0.79
S1-I	0.90	931 T	0.11 0.79
I -H	0.79	213 T	0.00 0.79
**------------Webs------------			
A -U	0.20	1572 C	WindLd
U -J	0.26	1164 T	
J -B	0.07	428 T	
I -G	0.07	428 T	
I -V	0.26	1164 T	
H -V	0.20	1572 C	WindLd
**------Attic Chords (Top)------			
C -R	0.08	884 C	0.03 0.05
R -P	0.09	890 C	0.00 0.09
P -F	0.09	872 C	0.00 0.09
**-------Attic Webs (Top)-------			
R -D	0.00	60 T	
D -P	0.02	88 T	
P -E	0.01	69 T	

TL Defl -0.36" in J -I L/728
LL Defl -0.27" in J -I L/971
Shear // Grain in J -S1 0.53

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
U	LOCK	4.0x 4.0	-0.4	-0.3	0.79
B#	LOCK	3.0x 7.0	Ctr	-0.5	0.25
C	LOCK	3.0x 7.0	Ctr	Ctr	0.25
D	LOCK	4.0x 8.0	Ctr	-0.2	0.99
E	LOCK	4.0x 4.0	Ctr	Ctr	0.90
F	LOCK	3.0x 7.0	Ctr	Ctr	0.25
G#	LOCK	3.0x 7.0	Ctr	-0.5	0.25
V	LOCK	4.0x 4.0	0.4	-0.3	0.79
A	LOCK	3.0x 4.0	Ctr	Ctr	0.79
J	LOCK	6.0x 6.0	Ctr	-0.6	0.67
S1#	LOCK	7.0x 8.0	Ctr	Ctr	0.34
I	LOCK	6.0x 6.0	Ctr	-0.6	0.67
H	LOCK	3.0x 4.0	Ctr	Ctr	0.79
R	LOCK	2.0x 4.0	Ctr	Ctr	0.40
P	LOCK	3.0x 4.0	Ctr	Ctr	0.72

\# = Plate Monitor used

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

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR

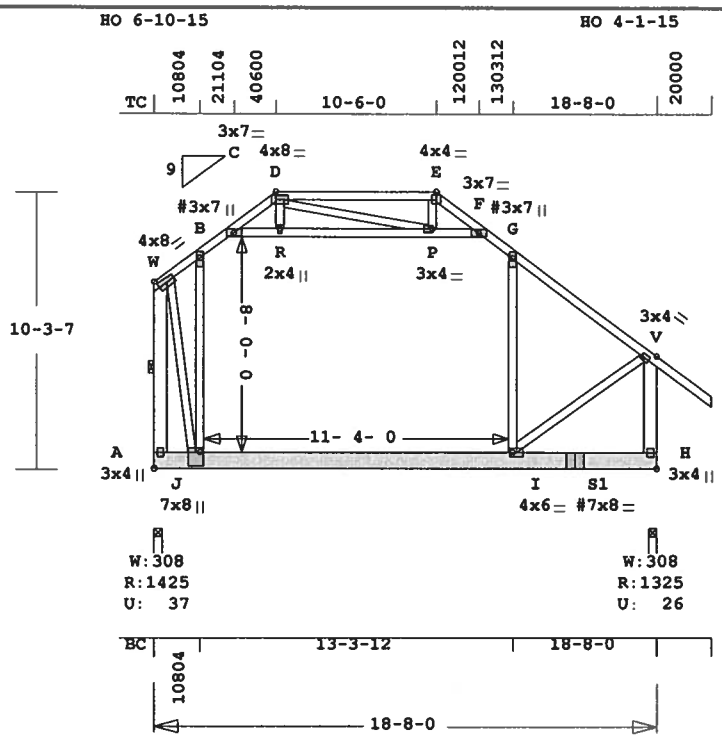
ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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
Unbalanced Loads Checked
Load Factors = 1.00 and 0.00
Max comp. force 1572 Lbs
Max tens. force 1164 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	D3	3	ATPB	180800	9	0	2- 0- 0	T2553444

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.140" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 299.4 LBS

```
Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

     CSI -Size- ----Lumber----
TC  0.57  2x 4  SP-#2
BC  0.72  2x 8  SP-#1
--  0.11  2x 8  SP-#2
    S1-H
WB  0.62  2x 4  SP-#2
--  0.34  2x 6  SP-#2
    A -W   H -V
ACT 0.08  2x 4  SP-#2
AWT 0.04  2x 4  SP-#2
SCB  (1)  2x 8  SP-#1 (+)

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0   4- 6- 0
 TC   24.0"   4- 6- 0  10- 6- 0
 TC  Cont.   10- 6- 0  18- 8- 0
 BC  Cont.    0- 0- 0  18- 8- 0
 WB 1 rows CLB on A -W
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  1.00
Plate  Duration Factor  1.00
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   1425    38 U   286 R
H   1326    27 U   204 R

Jt   Brg Size   Required
A       3.5"       1.7"
H       3.5"       1.6"

LC#  1  Attic Loading
Dur Fctrs - Lbr 1.00  Plt 1.00
plf - Dead  Live* From    To
TC V    20    40   0.0'  18.7'
BC V    20     0   0.0'  18.7'
TC V    10     0   1.8'   2.7'
TC V    10     0  12.3'  13.2'
BC V    10    80   1.8'  13.2'
MA V    10     0   2.9'  12.1'
MA V    10     0   0.3'   7.8'
MA V    10     0   0.3'   7.8'

Plus  9 Wind Load Case(s)
Plus  2 Unbalanced Load Cases
Plus  1 UBC LL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
W -B  0.32   672 C  0.00  0.32
B -C  0.51   699 C  0.00  0.51
C -D  0.51   433 C  0.00  0.51
D -E  0.41   416 C  0.00  0.41
E -F  0.18   498 C  0.00  0.18
F -G  0.27   677 C  0.00  0.27
G -V  0.57   738 C  0.01  0.56
--------Bottom Chords---------
A -J  0.67   286 T  0.00  0.67
J -I  0.72   583 T  0.05  0.67
I -S1 0.13   154 T  0.00  0.13
S1-H  0.11   154 T  0.00  0.11
-------------Webs-------------
A -W  0.34  3040 C         1 Br
W -J  0.62  2705 T
J -B  0.12   186 T
I -G  0.15   228 T
I -V  0.16   730 T
H -V  0.14  1058 C WindLd
------Attic Chords (Top)------
C -R  0.06   512 C  0.01  0.05
R -P  0.08   515 C  0.00  0.08
P -F  0.08   419 C  0.00  0.08
-------Attic Webs (Top)-------
R -D  0.00    58 T
D -P  0.04   182 T
P -E  0.01    58 T

TL Defl  -0.40" in J -I  L/542
LL Defl  -0.26" in J -I  L/837
Shear // Grain  in A -J   0.66

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS  20 Ga, Gross Area
Jt Type  Plt Size  X    Y    JSI
W  LOCK  4.0x 8.0 Ctr Ctr 0.85
B# LOCK  3.0x 7.0 Ctr-0.5 0.25
C  LOCK  3.0x 7.0 Ctr Ctr 0.25
D  LOCK  4.0x 8.0 Ctr-0.2 0.92
E  LOCK  4.0x 4.0 Ctr Ctr 0.83
F  LOCK  3.0x 7.0 Ctr Ctr 0.25
G# LOCK  3.0x 7.0 Ctr-0.5 0.25
V  LOCK  3.0x 4.0 0.4-0.3 0.66
A  LOCK  3.0x 4.0 Ctr Ctr 0.73
J  LOCK  7.0x 8.0 Ctr-2.2 0.91
I  LOCK  4.0x 6.0 Ctr Ctr 0.61
S1#LOCK  7.0x 8.0 Ctr Ctr 0.34
H  LOCK  3.0x 4.0 Ctr Ctr 0.73
R  LOCK  2.0x 4.0 Ctr Ctr 0.40
P  LOCK  3.0x 4.0 Ctr Ctr 0.66

# = Plate Monitor used

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:
FBC2004

(+) Fasten each scab with 2 row(s) of 10d nails at 6 In o.c. along entire length.

OH Loading
Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

No wind exposure on left end.

NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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

Unbalanced Loads Checked
Load Factors = 1.00 and 0.00

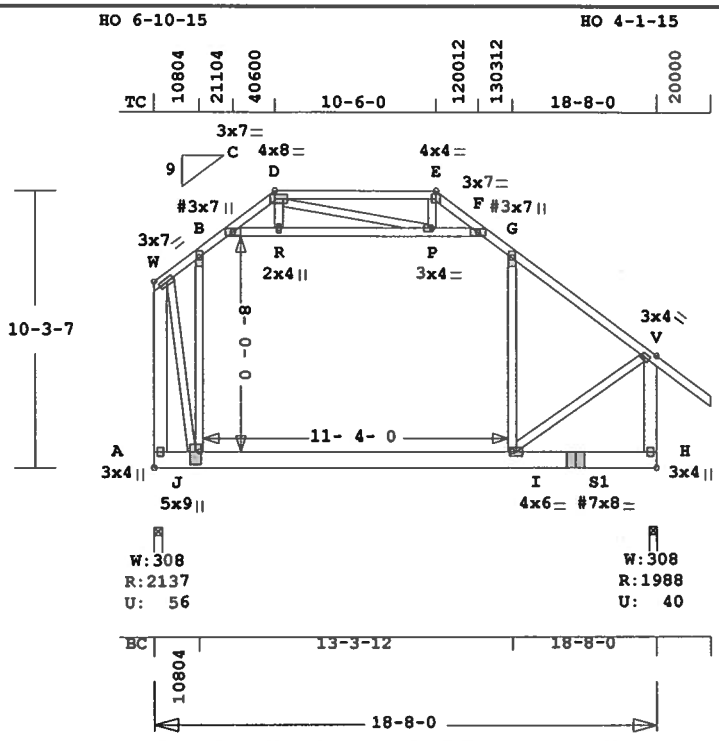
Max comp. force 3040 Lbs
Max tens. force 2705 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	D4	1*2P	ATPB	180800	9	0	2- 0- 0	T2553445

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.140" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 228.9 LBS

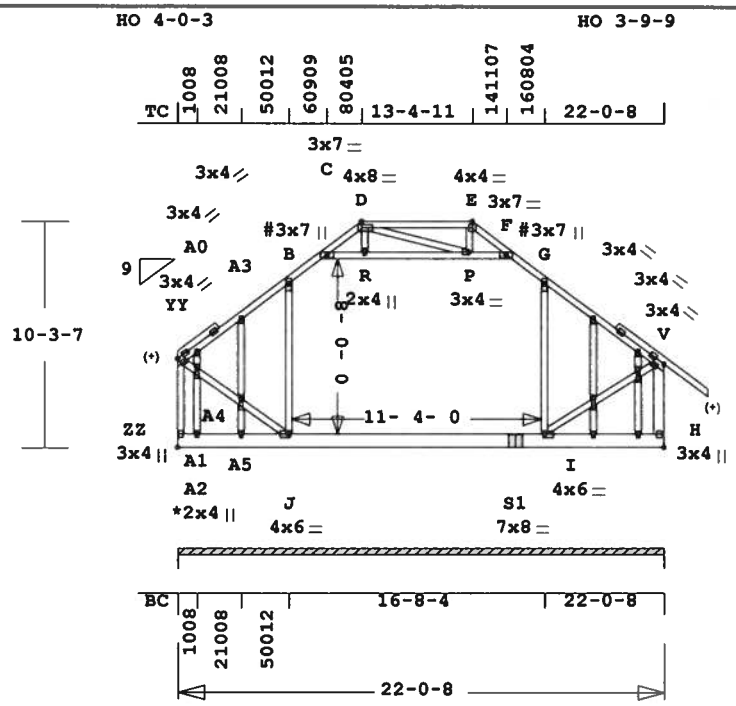
```
Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
***************
* 2-Ply Truss *
***************

     CSI -Size- ----Lumber----
TC  0.47  2x 4  SP-#2
BC  0.74  2x 8  SP-SS
--  0.14  2x 8  SP-#1
    81-H
WB  0.46  2x 4  SP-#2
--  0.26  2x 6  SP-#2
    A -W   H -V
ACT 0.06  2x 4  SP-#2
AWT 0.03  2x 4  SP-#2

Brace truss as follows:
      O.C.     From       To
 TC   24.0"   0- 0- 0  4- 6- 0
 TC   24.0"   4- 6- 0 10- 6- 0
 TC   24.0"  10- 6- 0 18- 8- 0
 BC   24.0"   0- 0- 0 18- 8- 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  36.0"
Lumber Duration Factor  1.00
Plate  Duration Factor  1.00
TC Fb=1.00  Fc=1.00  Ft=1.00
BC Fb=1.00  Fc=1.00  Ft=1.00

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A   2138    56 U   430 R
H   1988    40 U   306 R

Jt   Brg Size   Required
A       3.5"       1.5"
H       3.5"       1.5"

LC#  1  Attic Loading
Dur Fctrs - Lbr 1.00  Plt 1.00
plf - Dead  Live* From    To
TC V    30    60   0.0'  18.7'
BC V    30     0   0.0'  18.7'
TC V    15     0   1.8'   2.7'
TC V    15     0  12.3'  13.2'
BC V    15   120   1.8'  13.2'
MA V    15     0   2.9'  12.1'
MA V    15     0   0.3'   7.8'
MA V    15     0   0.3'   7.8'

Plus  9 Wind Load Case(s)
Plus  2 Unbalanced Load Cases
Plus  1 UBC LL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
W -B  0.25  1011 C  0.00  0.25
B -C  0.42  1046 C  0.00  0.42
C -D  0.42   653 C  0.00  0.42
D -E  0.35   622 C  0.00  0.35
E -F  0.16   746 C  0.00  0.16
F -G  0.22  1016 C  0.00  0.22
G -V  0.47  1104 C  0.00  0.47
--------Bottom Chords---------
A -J  0.72   429 T  0.00  0.72
J -I  0.74   874 T  0.02  0.72
I -S1 0.14   231 T  0.00  0.14
S1-H  0.14   231 T  0.00  0.14
-------------Webs-------------
A -W  0.26  4563 C
W -J  0.46  4051 T
J -B  0.02   287 T
I -G  0.03   337 T
I -V  0.12  1093 T
H -V  0.06  1582 C WindLd
------Attic Chords (Top)------
C -R  0.04   760 C  0.00  0.04
R -P  0.06   765 C  0.00  0.06
P -F  0.06   628 C  0.00  0.06
-------Attic Webs (Top)-------
R -D  0.00    88 T
D -P  0.03   263 T
P -E  0.00    88 T

TL Defl  -0.34" in J -I  L/635
LL Defl  -0.23" in J -I  L/951
Shear // Grain  in A -J   0.99

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS  20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
W  LOCK  3.0x 7.0 Ctr Ctr 0.91
B# LOCK  3.0x 7.0 Ctr-0.5 0.25
C  LOCK  3.0x 7.0 Ctr Ctr 0.25
D  LOCK  4.0x 8.0 Ctr-0.2 0.92
E  LOCK  4.0x 4.0 Ctr Ctr 0.83
F  LOCK  3.0x 7.0 Ctr Ctr 0.25
G# LOCK  3.0x 7.0 Ctr-0.5 0.25
V  LOCK  3.0x 4.0 0.4-0.3 0.66
A  LOCK  3.0x 4.0 Ctr Ctr 0.73
J  LOCK  5.0x 9.0 Ctr-1.3 0.84
I  LOCK  4.0x 6.0 Ctr Ctr 0.61
S1#LOCK  7.0x 8.0 Ctr Ctr 0.34
H  LOCK  3.0x 4.0 Ctr Ctr 0.73
R  LOCK  2.0x 4.0 Ctr Ctr 0.38
P  LOCK  3.0x 4.0 Ctr Ctr 0.66

# = Plate Monitor used

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:
  FBC2004
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
  pattern.  (1/2" bolts -OR-
  SDS3   screws -OR- 10d nails
  as each layer is applied.)
            ----Spacing (In)----
    Rows  Nails  Screws  Bolts
  TC  1    12      24       0
  BC  2    12      24       0
  WB  1     8       8
OH Loading
  Soffit psf 2.0
Design checked for 10 psf non-
  concurrent LL on BC.
No wind exposure on left  end.
NOTE: USER MODIFIED PLATES
  This design may have plates
  selected through a plate
  monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          110 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
Unbalanced Loads Checked
  Load Factors = 1.00 and 0.00
Max comp. force     4563 Lbs
Max tens. force     4051 Lbs
Quality Control Factor 1.25
```

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	D5	1	ATPB	220008	9	0	0	T2553446

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

See * For Typical Gable Plate Size and Placement

Scale: 0.114" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 273.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.38	2x 4	SP-#2 (+)
BC	0.61	2x 8	SP-#2
WB	0.25	2x 4	SP-#2
--	0.06	2x 6	SP-#2
	H -V		
ACT	0.07	2x 4	SP-#2
AWT	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 4- 5
TC	24.0"	8- 4- 5	13- 4-11
TC	Cont.	13- 4-11	22- 0- 8
BC	Cont.	0- 0- 0	22- 0- 8

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 1.00
Plate Duration Factor 1.00
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-
ZZ	2893	83 U	260 R

Jt	Brg Size	Required
ZZ	264.5"	0"-to- 265"

LC# 1 Attic Loading
Dur Fctrs - Lbr 1.00 Plt 1.00

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	22.0'
BC V	20	0	0.0'	22.0'
TC V	10	0	5.2'	6.6'
TC V	10	0	15.1'	16.5'
BC V	10	80	5.2'	16.5'
MA V	10	0	6.8'	15.0'
MA V	10	0	0.3'	7.4'
MA V	10	0	0.3'	7.4'

Plus 9 Wind Load Case(s)
Plus 2 Unbalanced Load Cases
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
YY-B	0.36	341 C	0.00 0.36
B -C	0.36	441 C	0.00 0.36
C -D	0.12	461 C	0.00 0.12
D -E	0.28	406 C	0.00 0.28
E -F	0.12	477 C	0.00 0.12
F -G	0.38	442 C	0.00 0.38
G -V	0.38	341 C	0.00 0.38
Bottom Chords			
ZZ-J	0.47	0 T	0.00 0.47
J -S1	0.61	0 T	0.00 0.61
S1-I	0.61	0 T	0.00 0.61
I -H	0.08	0 T	0.00 0.08
Webs			
ZZ-YY	0.10	553 C	WindLd
YY-J	0.08	358 T	
J -B	0.24	373 C	
I -G	0.25	382 C	
I -V	0.08	348 T	
H -V	0.06	547 C	WindLd
Attic Chords (Top)			
C -R	0.03	123 T	0.02 0.01
R -P	0.07	119 T	0.02 0.05
P -F	0.06	136 T	0.02 0.04
Attic Webs (Top)			
R -D	0.00	47 T	
D -P	0.01	57 T	
P -E	0.01	54 T	

TL Defl -0.50" in J -I L/533
LL Defl -0.39" in J -I L/684
Shear // Grain in S1-I 0.52

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
YY	LOCK	3.0x	4.0	Ctr Ctr	0.71
B#	LOCK	3.0x	7.0	Ctr-0.5	0.25
C	LOCK	3.0x	7.0	Ctr Ctr	0.25
D	LOCK	4.0x	8.0	Ctr-0.2	0.98
E	LOCK	4.0x	4.0	Ctr Ctr	0.89
F	LOCK	3.0x	7.0	Ctr Ctr	0.25
G#	LOCK	3.0x	7.0	Ctr-0.5	0.25
V	LOCK	3.0x	4.0	0.4-0.3	0.71
ZZ	LOCK	3.0x	4.0	Ctr Ctr	0.79
J	LOCK	4.0x	6.0	Ctr Ctr	0.36
S1	LOCK	7.0x	8.0	Ctr Ctr	0.89
I	LOCK	4.0x	6.0	Ctr Ctr	0.63
H	LOCK	3.0x	4.0	Ctr Ctr	0.79
R	LOCK	2.0x	4.0	Ctr Ctr	0.40
P	LOCK	3.0x	4.0	Ctr Ctr	0.71

= Plate Monitor used
8 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

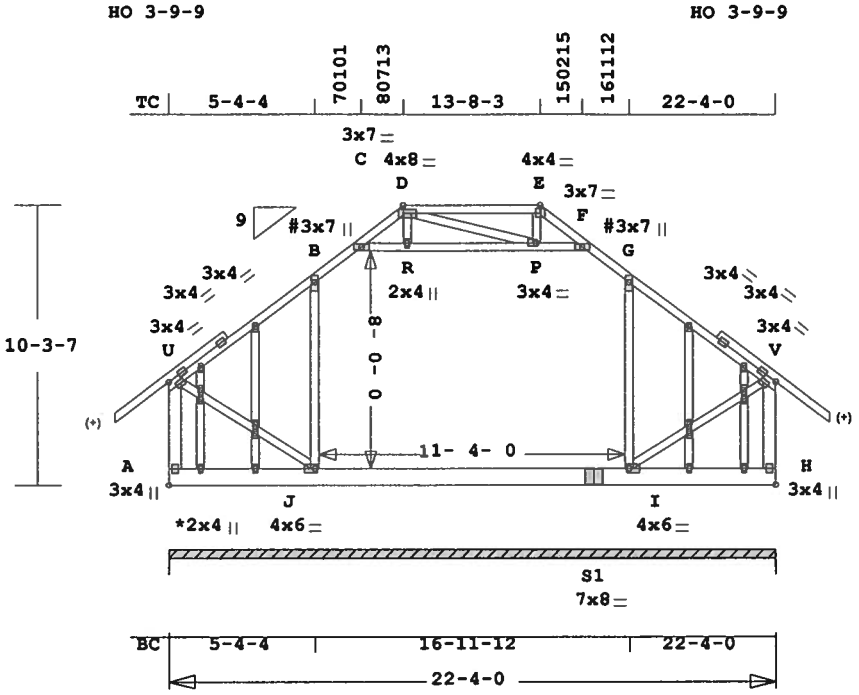
ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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
Unbalanced Loads Checked
Load Factors = 1.00 and 0.00
Max comp. force 553 Lbs
Max tens. force 358 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	D6	1	ATPB	220400	9	0	0	T2553447

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

See * For Typical Gable Plate Size and Placement

Scale: 0.141" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 283.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.38	2x 4	SP-#2 (+)
BC	0.62	2x 8	SP-#2
WB	0.25	2x 4	SP-#2
--	0.06	2x 6	SP-#2
	A -U	H -V	
ACT	0.07	2x 4	SP-#2
AWT	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 7-13
TC	24.0"	8- 7-13	13- 8- 3
TC	Cont.	13- 8- 3	22- 4- 0
BC	Cont.	0- 0- 0	22- 4- 0

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

Lumber Duration Factor 1.00
Plate Duration Factor 1.00
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	2916	86 U	260 R

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

LC# 1 Attic Loading
Dur Fctrs - Lbr 1.00 Plt 1.00

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	22.3'
BC V	20	0	0.0'	22.3'
TC V	10	0	5.5'	6.9'
TC V	10	0	15.4'	16.8'
BC V	10	80	5.5'	16.8'
MA V	10	0	7.1'	15.2'
MA V	10	0	0.3'	7.4'
MA V	10	0	0.3'	7.4'

Plus 9 Wind Load Case(s)
Plus 2 Unbalanced Load Cases
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
U -B	0.38	338 C	0.00 0.38
B -C	0.38	440 C	0.00 0.38
C -D	0.12	458 C	0.00 0.12
D -E	0.28	406 C	0.00 0.28
E -F	0.12	476 C	0.00 0.12
F -G	0.38	440 C	0.00 0.38
G -V	0.38	339 C	0.00 0.38
Bottom Chords			
A -J	0.47	0 T	0.00 0.47
J -S1	0.62	0 T	0.00 0.62
S1-I	0.62	0 T	0.00 0.62
I -H	0.08	0 T	0.00 0.08
Webs			
A -U	0.06	545 C	WindLd
U -J	0.08	346 T	
J -B	0.25	381 C	
I -G	0.25	381 C	
I -V	0.08	346 T	
H -V	0.06	545 C	WindLd
Attic Chords (Top)			
C -R	0.03	121 T	0.02 0.01
R -P	0.07	118 T	0.02 0.05
P -F	0.06	134 T	0.02 0.04
Attic Webs (Top)			
R -D	0.00	47 T	
D -P	0.01	58 T	
P -E	0.01	54 T	

TL Defl -0.50" in J -I L/539
LL Defl -0.39" in J -I L/691
Shear // Grain in S1-I 0.52

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
U	LOCK	3.0x 4.0	-0.4	-0.3	0.72
B#	LOCK	3.0x 7.0	Ctr	-0.5	0.25
C	LOCK	3.0x 7.0	Ctr	Ctr	0.25
D	LOCK	4.0x 8.0	Ctr	-0.2	0.99
E	LOCK	4.0x 4.0	Ctr	Ctr	0.90
F	LOCK	3.0x 7.0	Ctr	Ctr	0.25
G#	LOCK	3.0x 7.0	Ctr	-0.5	0.25
V	LOCK	3.0x 4.0	0.4	-0.3	0.72
A	LOCK	3.0x 4.0	Ctr	Ctr	0.79
J	LOCK	4.0x 6.0	Ctr	Ctr	0.64
S1	LOCK	7.0x 8.0	Ctr	Ctr	0.90
I	LOCK	4.0x 6.0	Ctr	Ctr	0.64
H	LOCK	3.0x 4.0	Ctr	Ctr	0.79
R	LOCK	2.0x 4.0	Ctr	Ctr	0.40
P	LOCK	3.0x 4.0	Ctr	Ctr	0.72

= Plate Monitor used
8 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.

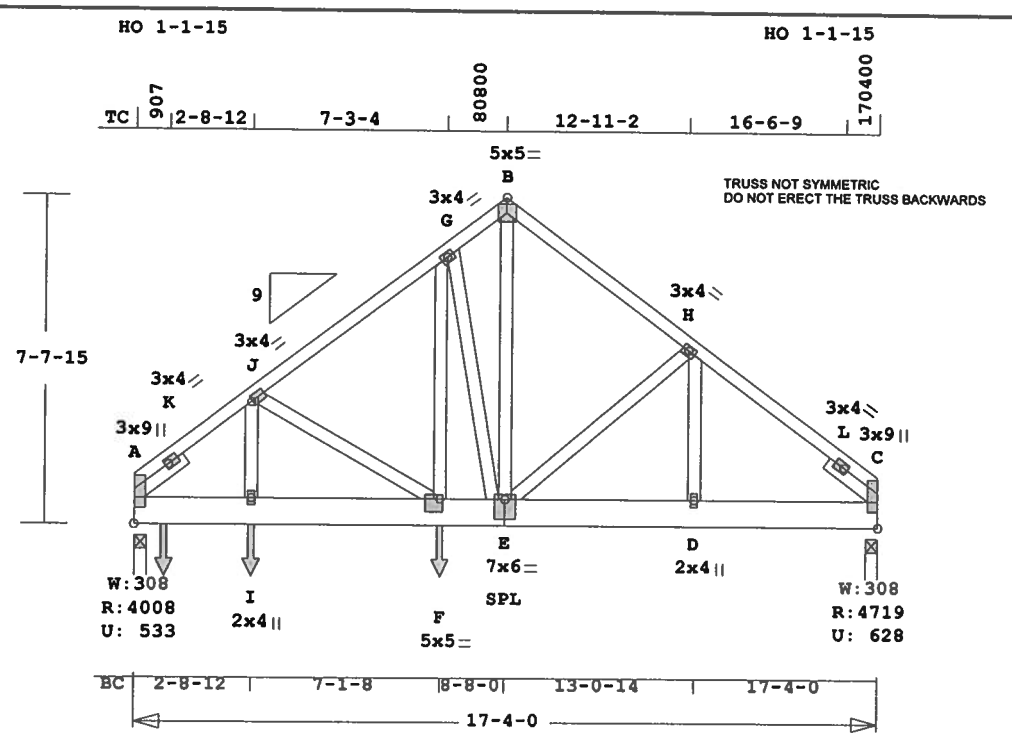
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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
Unbalanced Loads Checked
Load Factors = 1.00 and 0.00
Max comp. force 545 Lbs
Max tens. force 346 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	E1	1*2P	TR	170400	9	0	0	T2553448

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 177.6 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.44	2x 4	SP-#2
BC	0.87	2x 8	SP-#2
WB	0.39	2x 4	SP-#2
SL	0.06	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
BC	Cont.	0- 0- 0	17- 4- 0

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

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	4008	534 U	139 R
C	4720	629 U	139 R

Jt	Brg Size	Required
A	3.5"	2.4"
C	3.5"	2.8"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	17.3'
BC V	20	0	0.0'	17.3'
BC V	91	91	3.7'	7.0'
BC V	218	218	8.0'	17.3'
BC V	59	59	0.7'	CL-LB
BC V	377	377	2.7'	CL-LB
BC V	894	894	7.1'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -K	0.41	3248 C	0.01 0.40
K -J	0.44	4516 C	0.04 0.40
J -G	0.25	4339 C	0.05 0.20
G -B	0.16	3790 C	0.02 0.14
B -H	0.19	3808 C	0.04 0.15
H -L	0.38	4852 C	0.04 0.34
L -C	0.36	3843 C	0.02 0.34
Bottom Chords			
A -I	0.75	3495 T	0.19 0.56
I -F	0.41	3495 T	0.19 0.22
F -E	0.42	3482 T	0.19 0.23
E -D	0.46	3823 T	0.21 0.25
D -C	0.87	3823 T	0.21 0.66
Webs			
I -J	0.01	217 T	
J -F	0.00	101 T	
F -G	0.16	1840 T	
G -E	0.12	1654 C	
E -B	0.39	4288 T	
E -H	0.06	1000 C	
D -H	0.10	1278 T	
Sliders			
A -K	0.06	1455 C	
L -C	0.05	1199 C	

TL Defl -0.11" in E -D L/999
LL Defl -0.06" in E -D L/999
Shear // Grain in D -C 0.47

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 9.0	1.5	0.6	0.88
K	LOCK	3.0x 4.0	Ctr	Ctr	0.50
J	LOCK	3.0x 4.0	Ctr	Ctr	0.60
G	LOCK	3.0x 4.0	Ctr	Ctr	0.81
B	LOCK	5.0x 5.0	Ctr	Ctr	0.78
H	LOCK	3.0x 4.0	Ctr	Ctr	0.60
L	LOCK	3.0x 4.0	Ctr	Ctr	0.50
C	LOCK	3.0x 9.0-1.5	0.6		0.88
I	LOCK	2.0x 4.0	Ctr	Ctr	0.38
F	LOCK	5.0x 5.0	Ctr-1.1		0.61
E	LOCK	7.0x 6.0	Ctr-2.0		0.96
D	LOCK	2.0x 4.0	Ctr	Ctr	0.69

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:
FBC2004
2 COMPLETE TRUSSES REQUIRED.

Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

		----Spacing (In)----		
	Rows	Nails	Screws	Bolts
TC	1	12	24	0
BC	2	12	24	0
WB	1	8	8	

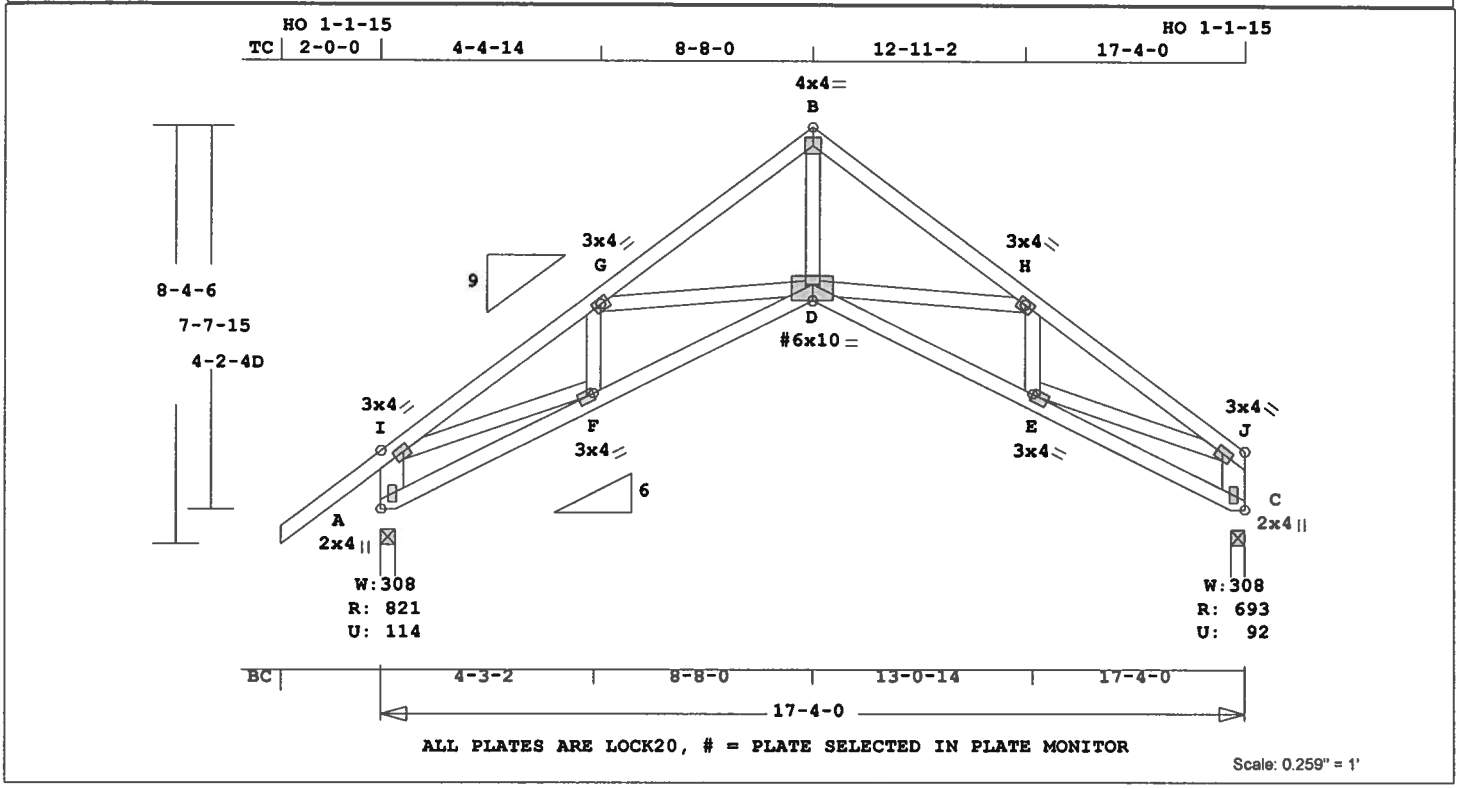
Plus clusters of nails where shown.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4852 Lbs
Max tens. force 4288 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	E2	5	SCIS	170400	9	2- 0- 0	0	T2553449

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 131.8 LBS

```
Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

     CSI -Size- ----Lumber----
TC  0.19  2x 4  SP-#2
BC  0.25  2x 4  SP-#2
WB  0.21  2x 4  SP-#2
--  0.04  2x 6  SP-#2
    A -I   C -J

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 17- 4- 0
 BC  Cont.     0- 0- 0 17- 4- 0

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

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A    821   115 U   170 R
C    693    92 U   170 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)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
I -G  0.19  1331 C  0.04  0.15
G -B  0.17  1169 C  0.02  0.15
B -H  0.17  1169 C  0.02  0.15
H -J  0.19  1331 C  0.04  0.15
--------Bottom Chords---------
A -F  0.10   176 T  0.00  0.10
F -D  0.25  1201 T  0.20  0.05
D -E  0.25  1201 T  0.20  0.05
E -C  0.10   176 T  0.00  0.10
```

```
----------Webs----------
A -I  0.04   653 C WindLd
I -F  0.20  1108 T
F -G  0.01   181 C
G -D  0.07   288 C
D -B  0.21  1142 T
D -H  0.07   288 C
E -H  0.01   181 C
E -J  0.20  1108 T
C -J  0.04   653 C WindLd

TL Defl  -0.10" in F -D  L/999
LL Defl  -0.05" in F -D  L/999
Hz Disp    LL      DL      TL
  Jt C   0.06"   0.06"   0.12"
Shear // Grain  in I -G   0.14

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS  20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
I  LOCK  3.0x 4.0-0.4-0.3 0.64
G  LOCK  3.0x 4.0 Ctr Ctr 0.60
B  LOCK  4.0x 4.0 Ctr Ctr 0.58
H  LOCK  3.0x 4.0 Ctr Ctr 0.60
J  LOCK  3.0x 4.0 0.4-0.3 0.64
A  LOCK  2.0x 4.0 Ctr Ctr 0.53
F  LOCK  3.0x 4.0 Ctr Ctr 0.61
D# LOCK  6.0x10.0 Ctr-0.9 0.46
E  LOCK  3.0x 4.0 Ctr Ctr 0.61
C  LOCK  2.0x 4.0 Ctr Ctr 0.53

# = Plate Monitor used

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:
```

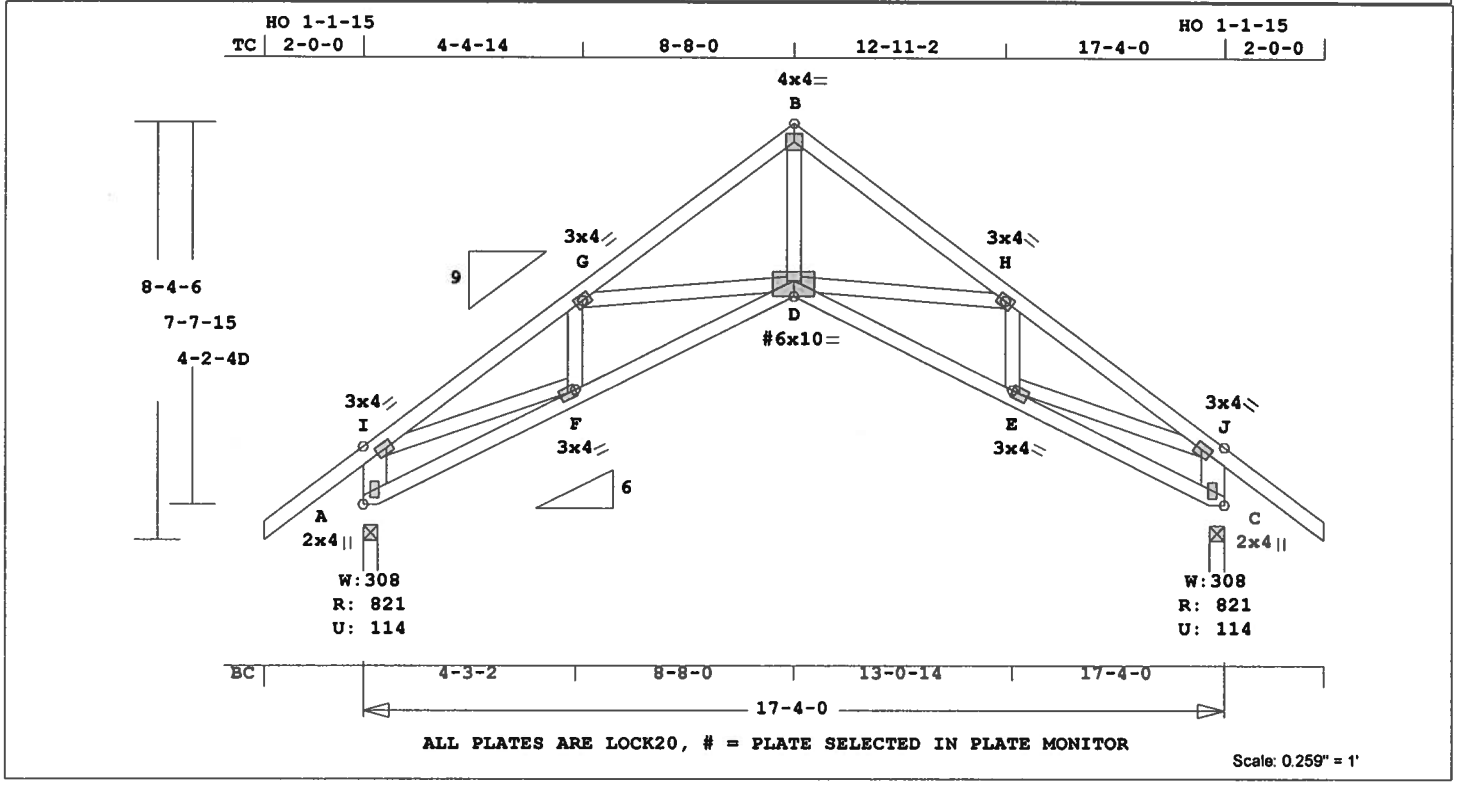
```
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2004
OH Loading
  Soffit psf 2.0
Design checked for 10 psf non-
  concurrent LL on BC.
NOTE: USER MODIFIED PLATES
  This design may have plates
  selected through a plate
  monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          110 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     1331 Lbs
Max tens. force     1201 Lbs
Quality Control Factor 1.25
```

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	E3	2	SCIS	170400	9	2- 0- 0	2- 0- 0	T2553450

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 136.5 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.19	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
WB	0.21	2x 4	SP-#2
--	0.04	2x 6	SP-#2
	A -I	C -J	

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
BC	Cont.	0- 0- 0	17- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	821	115 U	170 R
C	821	115 U	170 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)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
I -G	0.19	1331 C	0.04	0.15
G -B	0.17	1169 C	0.02	0.15
B -H	0.17	1169 C	0.02	0.15
H -J	0.19	1331 C	0.04	0.15
Bottom Chords				
A -F	0.10	176 T	0.00	0.10
F -D	0.25	1201 T	0.20	0.05
D -E	0.25	1201 T	0.20	0.05
E -C	0.10	176 T	0.00	0.10

Webs

A -I	0.04	653 C	WindLd
I -F	0.20	1108 T	
F -G	0.01	181 C	
G -D	0.07	288 C	
D -B	0.21	1142 T	
D -H	0.07	288 C	
E -H	0.01	181 C	
E -J	0.20	1108 T	
C -J	0.04	653 C	WindLd

TL Defl -0.10" in F -D L/999
LL Defl -0.05" in F -D L/999

Hz Disp	LL	DL	TL
Jt C	0.06"	0.06"	0.12"

Shear // Grain in I -G 0.14

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
I	LOCK	3.0x 4.0-0.4-0.3			0.64
G	LOCK	3.0x 4.0 Ctr	Ctr		0.60
B	LOCK	4.0x 4.0 Ctr	Ctr		0.58
H	LOCK	3.0x 4.0 Ctr	Ctr		0.60
J	LOCK	3.0x 4.0 0.4-0.3			0.64
A	LOCK	2.0x 4.0 Ctr	Ctr		0.53
F	LOCK	3.0x 4.0 Ctr	Ctr		0.61
D#	LOCK	6.0x10.0 Ctr	-0.9		0.46
E	LOCK	3.0x 4.0 Ctr	Ctr		0.61
C	LOCK	2.0x 4.0 Ctr	Ctr		0.53

= Plate Monitor used

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:

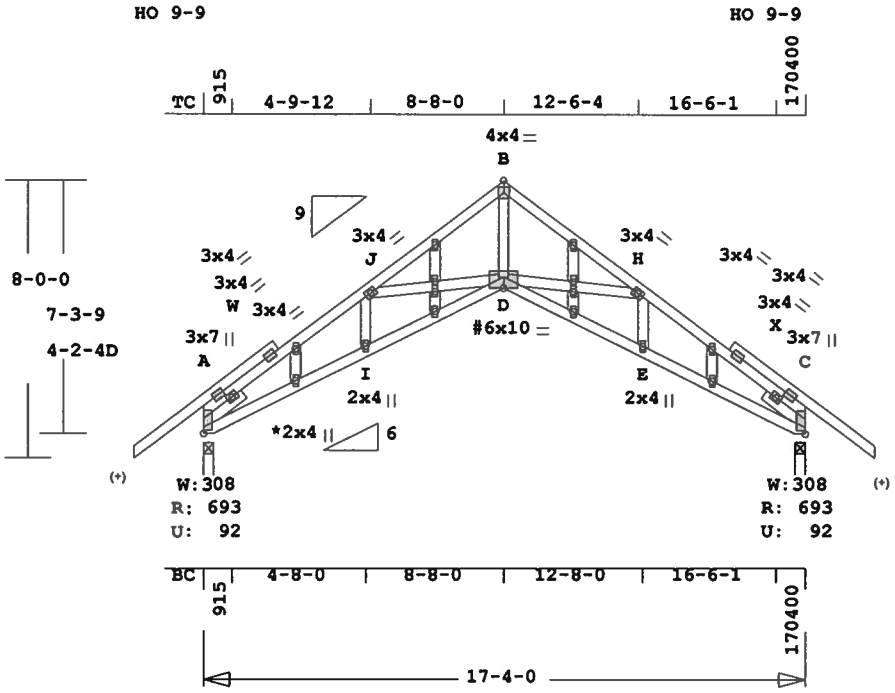
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 1331 Lbs
Max tens. force 1201 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	E4	1	SCIS	170400	9	0	0	T2553451

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

See * For Typical Gable Plate Size and Placement

Scale: 0.181" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 140.0 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2 (+)
BC	0.74	2x 4	SP-#2
WB	0.24	2x 4	SP-#2
SL	0.09	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 4- 0
BC	Cont.	0- 0- 0	17- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	693	92 U	139 R
C	693	92 U	139 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)

Membr	CSI	P Lbs	Axl-CSI-Bnd
**----------Top Chords----------			
A -W	0.51	793 C	0.00 0.51
W -J	0.52	1538 C	0.01 0.51
J -B	0.22	1351 C	0.01 0.21
B -H	0.22	1351 C	0.01 0.21
H -X	0.52	1538 C	0.01 0.51
X -C	0.51	794 C	0.00 0.51
**--------Bottom Chords---------			
A -I	0.74	1286 T	0.21 0.53
I -D	0.42	1343 T	0.22 0.20
D -E	0.42	1343 T	0.22 0.20
E -C	0.74	1286 T	0.21 0.53

----------Webs----------

I -J	0.01	73	T
J -D	0.05	263	T
D -B	0.24	1327	T
D -H	0.05	263	T
E -H	0.01	73	T

----------Sliders----------

A -W	0.09	946	C
X -C	0.09	946	C

TL Defl -0.26" in I -D L/769
LL Defl -0.13" in I -D L/999

Hz Disp	LL	DL	TL
Jt C	0.14"	0.14"	0.28"

Shear // Grain in W -W 0.40

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 7.0	1.5	0.9	0.70
W	LOCK	3.0x 4.0	Ctr	Ctr	0.50
J	LOCK	3.0x 4.0	Ctr	Ctr	0.60
B	LOCK	4.0x 4.0	Ctr	Ctr	0.66
H	LOCK	3.0x 4.0	Ctr	Ctr	0.60
X	LOCK	3.0x 4.0	Ctr	Ctr	0.50
C	LOCK	3.0x 7.0-1.5	0.9		0.70
I	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D#	LOCK	6.0x10.0	Ctr-0.9		0.46
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used
6 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:

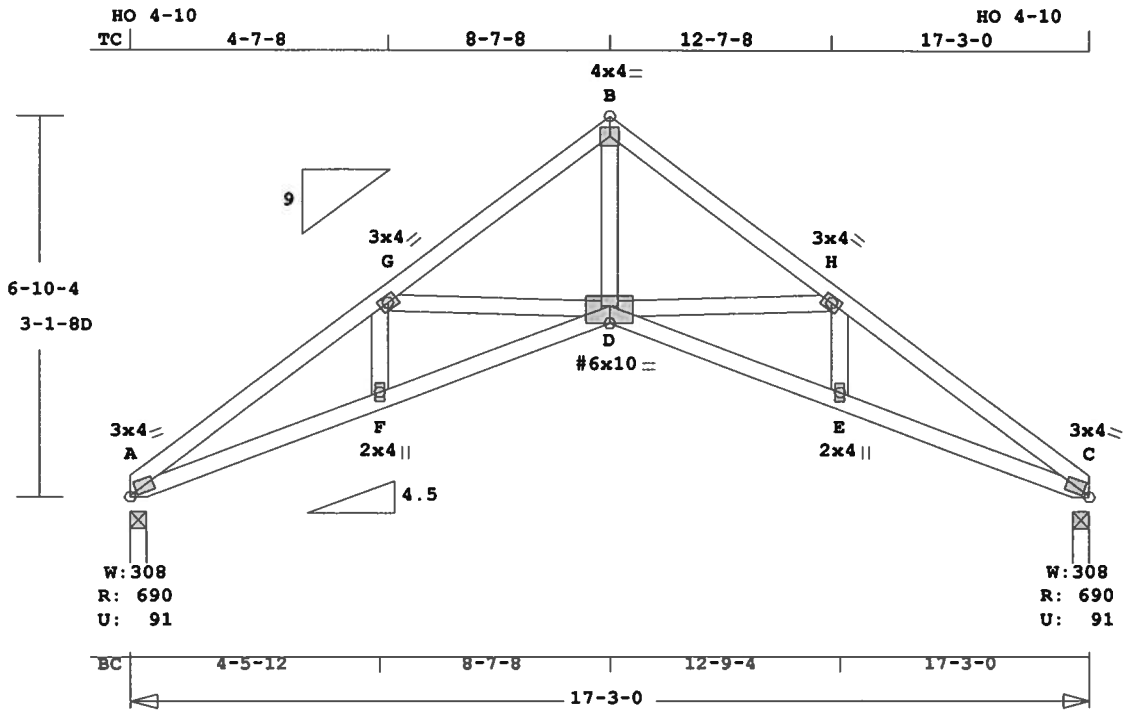
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 1538 Lbs
Max tens. force 1343 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	F1	6	SCI5	170300	9	0	0	T2553452

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.289" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 103.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.17	2x 4	SP-#2
BC	0.32	2x 4	SP-#2
WB	0.19	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 3- 0
BC	Cont.	0- 0- 0	17- 3- 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	690	92 U	139 R
C	690	92 U	139 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)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -G	0.17	1520 C	0.05 0.12
G -B	0.15	1079 C	0.03 0.12
B -H	0.15	1079 C	0.03 0.12
H -C	0.17	1520 C	0.05 0.12
Bottom Chords			
A -F	0.32	1282 T	0.21 0.11
F -D	0.28	1293 T	0.21 0.07
D -E	0.28	1293 T	0.21 0.07
E -C	0.32	1281 T	0.21 0.11
Webs			
F -G	0.02	145 T	
G -D	0.08	380 C	
D -B	0.19	1035 T	
D -H	0.08	380 C	
E -H	0.02	145 T	

TL Defl -0.12" in F -D L/999
LL Defl -0.06" in F -D L/999

Hz Disp	LL	DL	TL
Jt C	0.06"	0.06"	0.12"

Shear // Grain in A -G 0.14

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.80
G	LOCK	3.0x 4.0	Ctr	Ctr	0.60
B	LOCK	4.0x 4.0	Ctr	Ctr	0.57
H	LOCK	3.0x 4.0	Ctr	Ctr	0.60
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
F	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D#	LOCK	6.0x10.0	Ctr	-0.7	0.46
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used

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:

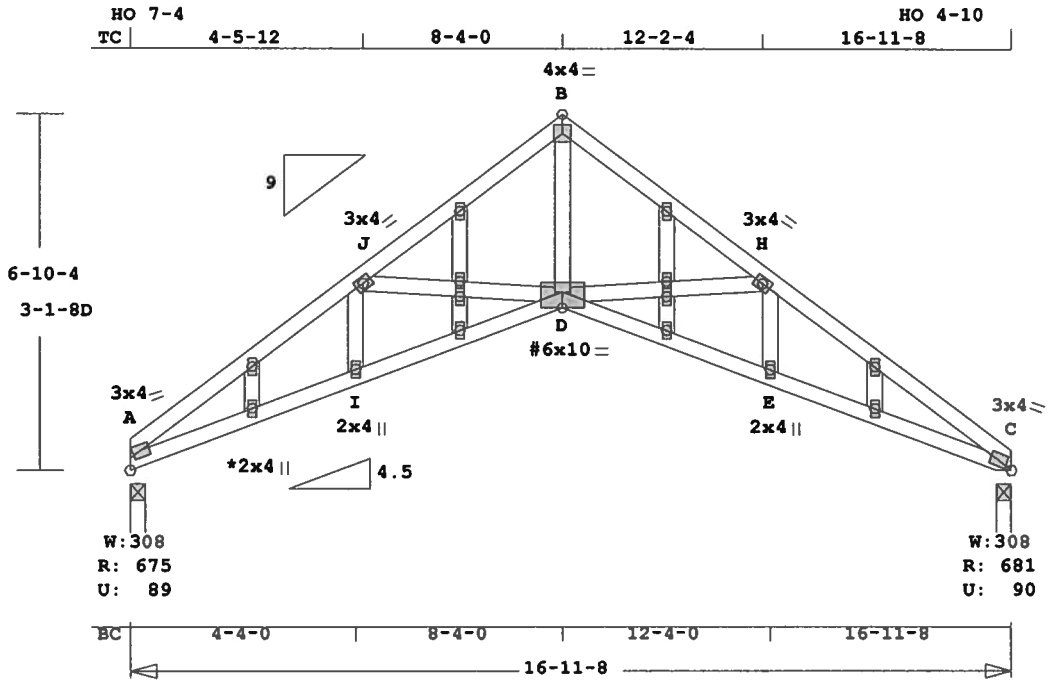
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 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 1520 Lbs
Max tens. force 1293 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	F2	1	SCIS	161108	9	0	0	T2553453

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

See * For Typical Gable Plate Size and Placement

Scale: 0.270" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 113.6 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.18	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	16-11- 8
BC	Cont.	0- 0- 0	16-11- 8

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	675	90 U	136 R
C	682	91 U	136 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)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -J	0.25	1430 C	0.01 0.24
J -B	0.14	1051 C	0.03 0.11
B -H	0.15	1053 C	0.03 0.12
H -C	0.17	1485 C	0.05 0.12
--------Bottom Chords---------			
A -I	0.39	1190 T	0.19 0.20
I -D	0.29	1209 T	0.20 0.09
D -E	0.27	1264 T	0.21 0.06
E -C	0.30	1253 T	0.20 0.10

----------Webs----------

I -J	0.02	130 T	
J -D	0.06	336 C	
D -B	0.18	1010 T	
D -H	0.07	374 C	
E -H	0.02	146 T	

TL Defl	-0.13" in I -D		L/999
LL Defl	-0.06" in I -D		L/999
Hz Disp	LL	DL	TL
Jt C	0.06"	0.06"	0.12"
Shear // Grain		in A -J	0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	1.2	0.8	0.98
J	LOCK	3.0x 4.0	Ctr	Ctr	0.60
B	LOCK	4.0x 4.0	Ctr	Ctr	0.57
H	LOCK	3.0x 4.0	Ctr	Ctr	0.60
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
I	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D#	LOCK	6.0x10.0	Ctr	-0.7	0.46
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

\# = Plate Monitor used
6 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.

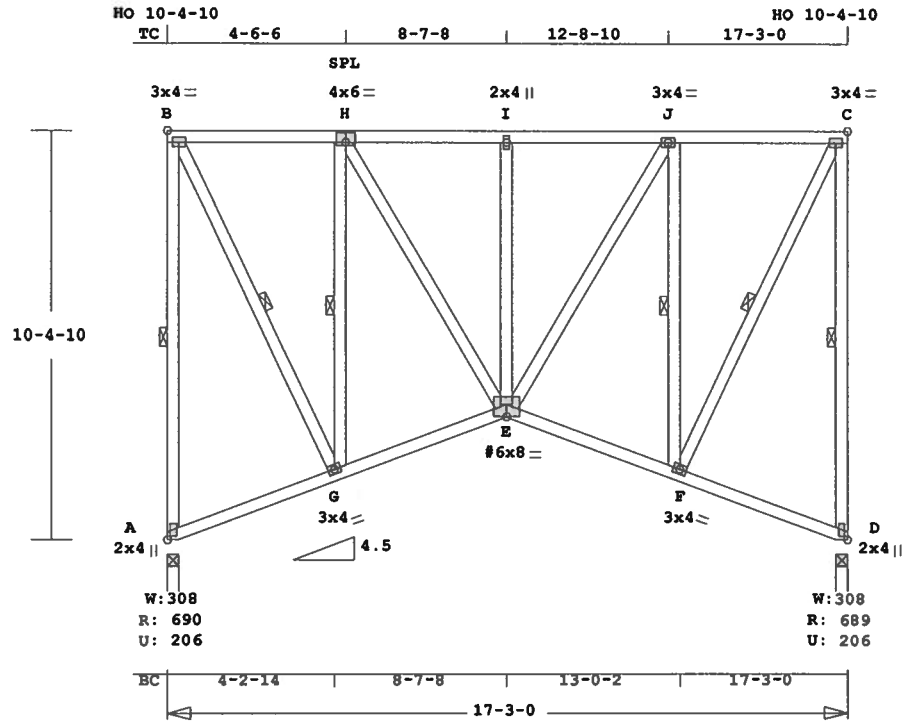
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 1485 Lbs
Max tens. force 1264 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	F3	1	SP	170300	100410	0	0	T2553454

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.205" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 213.1 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.19	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
WB	0.59	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 3- 0
BC	Cont.	0- 0- 0	17- 3- 0

WB 1 rows CLB on A -B
WB 1 rows CLB on B -G
WB 1 rows CLB on G -H
WB 1 rows CLB on F -J
WB 1 rows CLB on F -C
WB 1 rows CLB on D -C
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	690	207 U	334 R
D	690	207 U	334 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
B -H	0.19	272 T	0.00 0.19
H -I	0.19	429 C	0.00 0.19
I -J	0.19	429 C	0.00 0.19
J -C	0.19	272 T	0.00 0.19
Bottom Chords			
A -G	0.12	276 T	0.00 0.12
G -E	0.14	285 T	0.02 0.12
E -F	0.14	285 T	0.02 0.12
F -D	0.12	276 T	0.00 0.12
Webs			
A -B	0.59	653 C	WindLd 1 Br
B -G	0.11	606 T	1 Br
G -H	0.13	544 C	1 Br
H -E	0.05	302 T	
E -I	0.14	238 C	
E -J	0.05	302 T	
F -J	0.13	544 C	1 Br
F -C	0.11	606 T	1 Br
D -C	0.52	653 C	WindLd 1 Br

TL Defl -0.04" in G -E L/999
LL Defl -0.01" in G -E L/999

Hz Disp	LL	DL	TL
Jt D	0.02"	0.01"	0.03"

Shear // Grain in B -H 0.19

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
B	LOCK	3.0x 4.0	Ctr	Ctr	0.64
H	LOCK	4.0x 6.0	Ctr	1.0	0.54
I	LOCK	2.0x 4.0	Ctr	Ctr	0.40
J	LOCK	3.0x 4.0	Ctr	Ctr	0.48
C	LOCK	3.0x 4.0	Ctr	Ctr	0.64
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	3.0x 4.0	Ctr	Ctr	0.52
E#	LOCK	6.0x 8.0	Ctr	-0.6	0.48
F	LOCK	3.0x 4.0	Ctr	Ctr	0.52
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used

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:

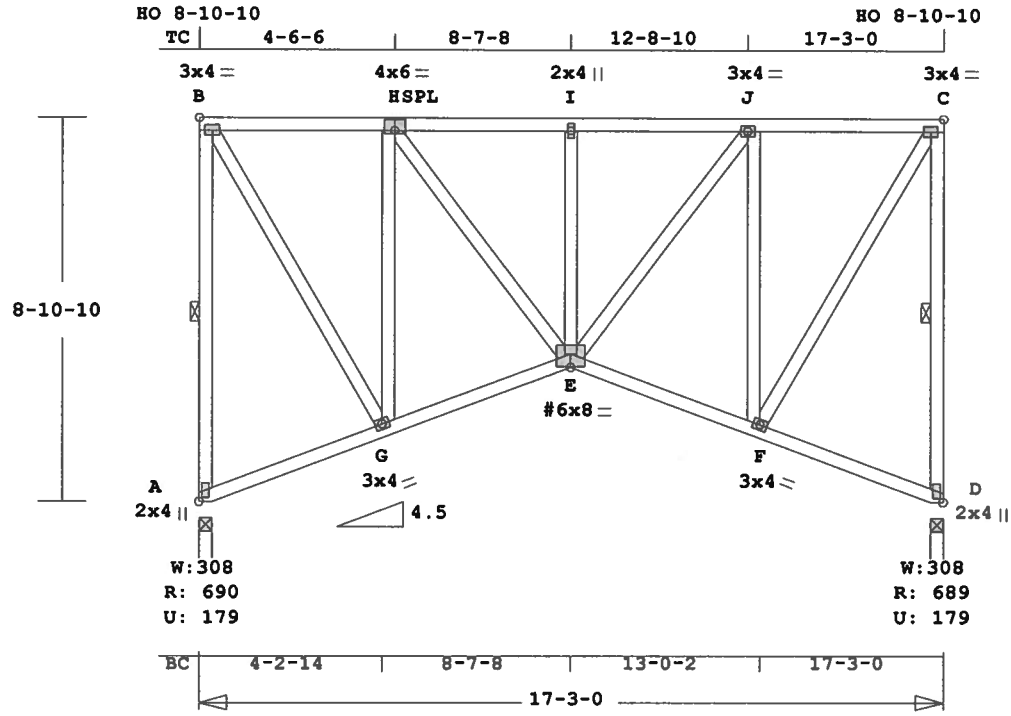
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 653 Lbs
Max tens. force 606 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	F4	1	SP	170300	81010	0	0	T2553455

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.224" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 189.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.19	2x 4	SP-#2
BC	0.15	2x 4	SP-#2
WB	0.43	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 3- 0
BC	Cont.	0- 0- 0	17- 3- 0

WB 1 rows CLB on A -B
WB 1 rows CLB on D -C
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	690	180 U	284 R
D	690	180 U	284 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
B -H	0.19	326 C	0.00 0.19
H -I	0.19	548 C	0.00 0.19
I -J	0.19	548 C	0.00 0.19
J -C	0.19	326 C	0.00 0.19
Bottom Chords			
A -G	0.12	235 T	0.00 0.12
G -E	0.15	346 T	0.03 0.12
E -F	0.15	346 T	0.03 0.12
F -D	0.12	235 T	0.00 0.12
Webs			
A -B	0.43	653 C	WindLd 1 Br
B -G	0.11	633 T	
G -H	0.35	565 C	
H -E	0.06	355 T	
E -I	0.08	237 C	
E -J	0.06	355 T	
F -J	0.35	565 C	
F -C	0.11	633 T	
D -C	0.37	653 C	WindLd 1 Br

TL Defl -0.04" in G -E L/999
LL Defl -0.01" in G -E L/999

Hz Disp	LL	DL	TL
Jt D	0.02"	0.02"	0.03"

Shear // Grain in B -H 0.19

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
B	LOCK	3.0x 4.0	Ctr	Ctr	0.64
H	LOCK	4.0x 6.0	Ctr	1.0	0.54
I	LOCK	2.0x 4.0	Ctr	Ctr	0.40
J	LOCK	3.0x 4.0	Ctr	Ctr	0.48
C	LOCK	3.0x 4.0	Ctr	Ctr	0.64
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	3.0x 4.0	Ctr	Ctr	0.52
E#	LOCK	6.0x 8.0	0.1-0.6		0.48
F	LOCK	3.0x 4.0	Ctr	Ctr	0.52
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used

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:

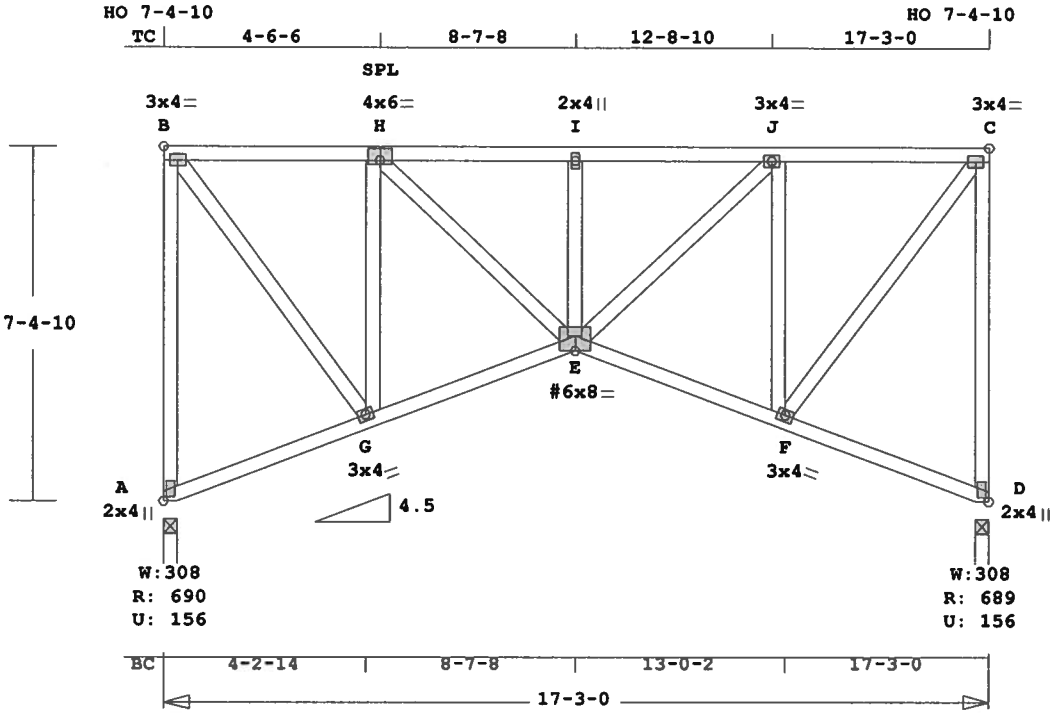
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 653 Lbs
Max tens. force 633 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	F5	1	SP	170300	70410	0	0	T2553456

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.249" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 166.0 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.19	2x 4	SP-#2
BC	0.16	2x 4	SP-#2
WB	0.42	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 3- 0
BC	Cont.	0- 0- 0	17- 3- 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	690	157 U	234 R
D	690	157 U	234 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
B -H	0.19	415 C	0.00	0.19
H -I	0.19	759 C	0.00	0.19
I -J	0.19	759 C	0.00	0.19
J -C	0.19	415 C	0.00	0.19
Bottom Chords				
A -G	0.12	193 T	0.00	0.12
G -E	0.16	440 T	0.04	0.12
E -F	0.16	440 T	0.04	0.12
F -D	0.12	193 T	0.00	0.12
Webs				
A -B	0.42	653 C	WindLd	
B -G	0.12	683 T		
G -H	0.23	598 C		
H -E	0.08	462 T		
E -I	0.04	236 C		
E -J	0.08	462 T		
F -J	0.23	598 C		
F -C	0.12	683 T		
D -C	0.42	653 C	WindLd	

TL Defl -0.05" in G -E L/999
LL Defl -0.02" in G -E L/999

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

Shear // Grain in B -H 0.19

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
B	LOCK	3.0x 4.0	Ctr	Ctr	0.64
H	LOCK	4.0x 6.0	Ctr	1.0	0.54
I	LOCK	2.0x 4.0	Ctr	Ctr	0.40
J	LOCK	3.0x 4.0	Ctr	Ctr	0.48
C	LOCK	3.0x 4.0	Ctr	Ctr	0.64
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	3.0x 4.0	Ctr	Ctr	0.52
E#	LOCK	6.0x 8.0	Ctr	-0.7	0.46
F	LOCK	3.0x 4.0	Ctr	Ctr	0.52
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used

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.

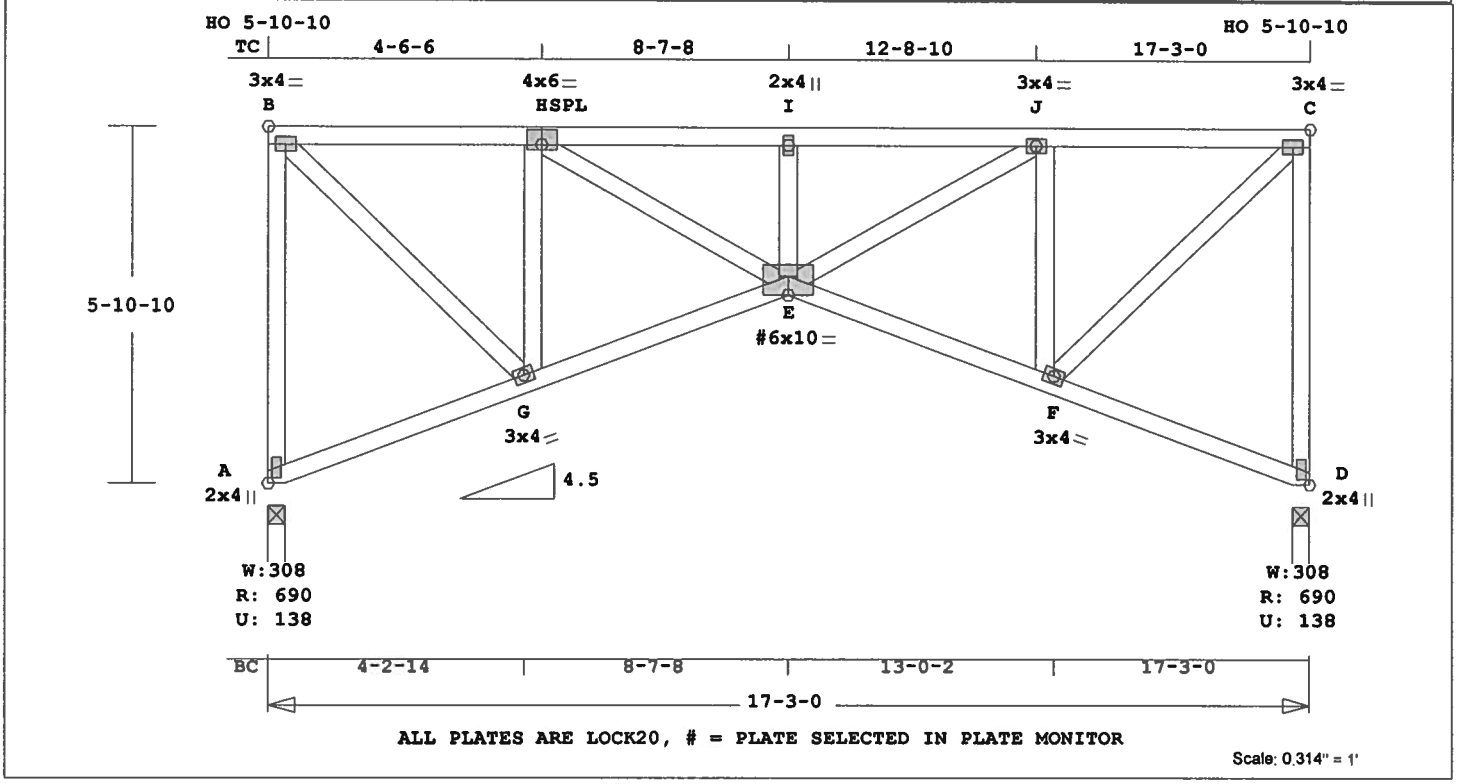
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 759 Lbs
Max tens. force 683 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	F6	1	SP	170300	51010	0	0	T2553457

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 144.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.21	2x 4	SP-#2
BC	0.17	2x 4	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 3- 0
BC	Cont.	0- 0- 0	17- 3- 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	690	138 U	184 R
D	690	138 U	184 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
B -H	0.20	569 C	0.00	0.20
H -I	0.21	1231 C	0.01	0.20
I -J	0.21	1231 C	0.01	0.20
J -C	0.20	569 C	0.00	0.20
--------Bottom Chords---------				
A -G	0.12	152 T	0.00	0.12
G -E	0.17	605 T	0.05	0.12
E -F	0.17	605 T	0.05	0.12
F -D	0.12	152 T	0.00	0.12
-------------Webs-------------				
A -B	0.26	653 C	WindLd	
B -G	0.14	787 T		
G -H	0.14	655 C		
H -E	0.13	754 T		
E -I	0.02	229 C		
E -J	0.13	754 T		
F -J	0.14	655 C		
F -C	0.14	787 T		
D -C	0.26	653 C	WindLd	

TL Defl -0.07" in E -F L/999
LL Defl -0.04" in E -F L/999

Hz Disp	LL	DL	TL
Jt D	0.03"	0.03"	0.06"

Shear // Grain in B -H 0.20

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
B	LOCK	3.0x 4.0	Ctr	Ctr	0.64
H	LOCK	4.0x 6.0	Ctr	1.0	0.54
I	LOCK	2.0x 4.0	Ctr	Ctr	0.40
J	LOCK	3.0x 4.0	Ctr	Ctr	0.48
C	LOCK	3.0x 4.0	Ctr	Ctr	0.64
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	3.0x 4.0	Ctr	Ctr	0.52
E#	LOCK	6.0x10.0	Ctr	-0.7	0.46
F	LOCK	3.0x 4.0	Ctr	Ctr	0.52
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used

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.

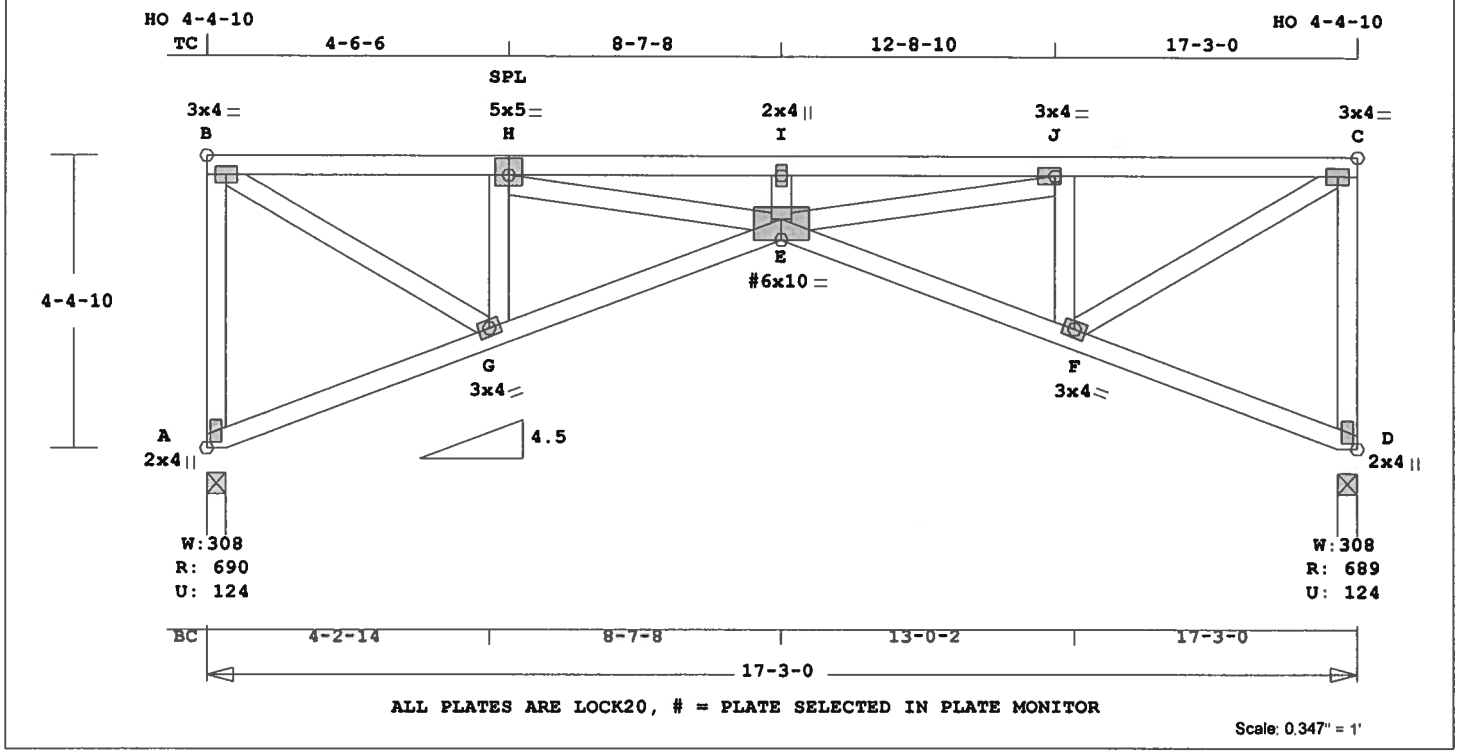
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 1231 Lbs
Max tens. force 787 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	F7	1	SP	170300	40410	0	0	T2553458

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 124.7 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.32	2x 4	SP-#2
BC	0.28	2x 4	SP-#2
WB	0.41	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 3- 0
BC	Cont.	0- 0- 0	17- 3- 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	690	124 U	134 R
D	690	124 U	134 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
B -H	0.26	925 C	0.00	0.26
H -I	0.32	3147 C	0.08	0.24
I -J	0.32	3147 C	0.08	0.24
J -C	0.26	925 C	0.00	0.26
Bottom Chords				
A -G	0.14	110 T	0.00	0.14
G -E	0.28	978 T	0.16	0.12
E -F	0.28	978 T	0.16	0.12
F -D	0.14	110 T	0.00	0.14
Webs				
A -B	0.14	658 C	WindLd	
B -G	0.19	1080 T		
G -H	0.09	776 C		
H -E	0.41	2264 T		
E -I	0.01	150 C		
E -J	0.41	2264 T		
F -J	0.09	776 C		
F -C	0.19	1080 T		
D -C	0.14	658 C	WindLd	

TL Defl	-0.35" in E -F	L/569	
LL Defl	-0.18" in E -F	L/999	
Hz Disp	LL	DL	TL
Jt D	0.14"	0.14"	0.28"
Shear // Grain	in H -I	0.23	

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
B	LOCK	3.0x 4.0	Ctr	Ctr	0.64
H	LOCK	5.0x 5.0	Ctr	0.5	0.81
I	LOCK	2.0x 4.0	Ctr	Ctr	0.40
J	LOCK	3.0x 4.0	-1.0	Ctr	0.99
C	LOCK	3.0x 4.0	Ctr	Ctr	0.64
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	3.0x 4.0	Ctr	Ctr	0.61
E#	LOCK	6.0x10.0	Ctr	-0.7	0.46
F	LOCK	3.0x 4.0	Ctr	Ctr	0.61
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used

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:

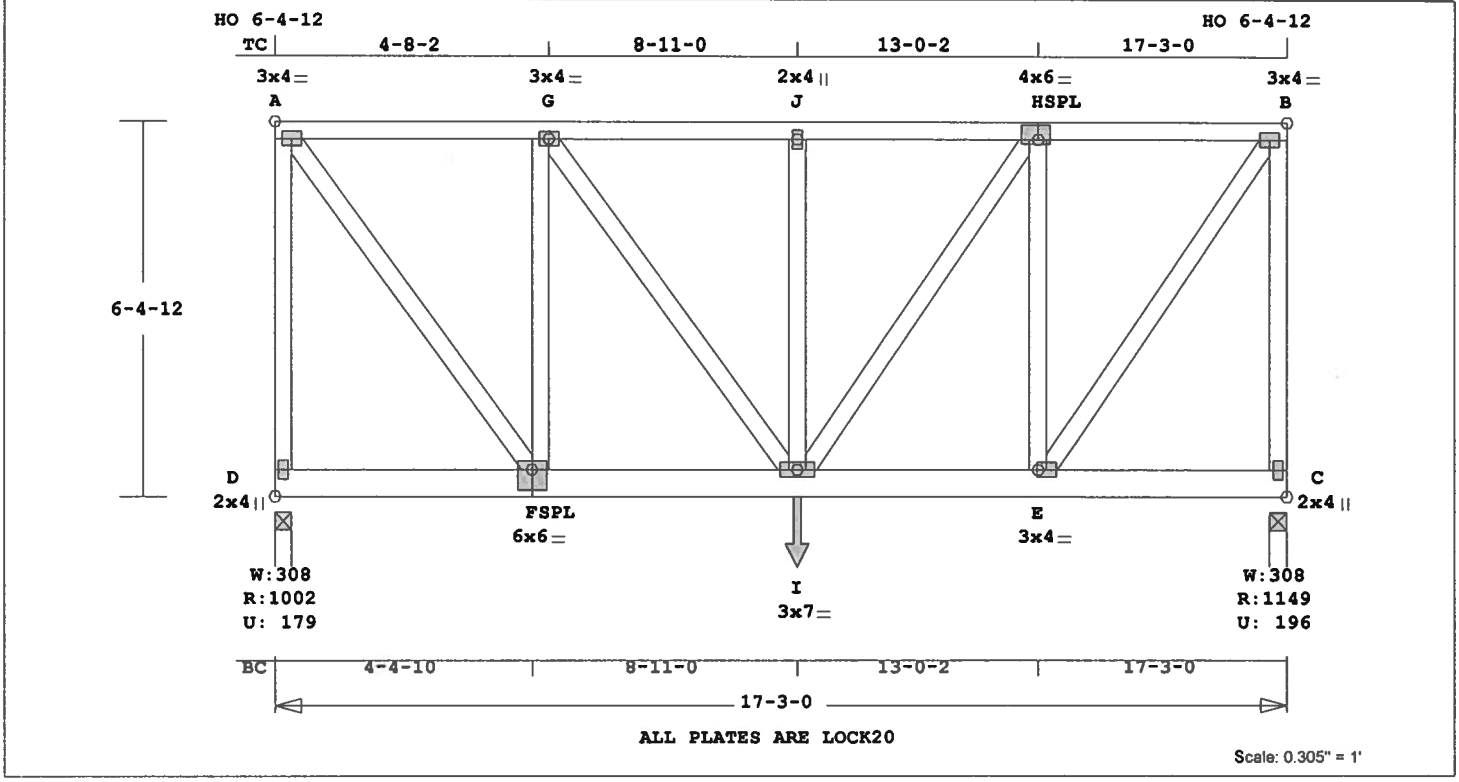
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 3147 Lbs
Max tens. force 2264 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HARPE-MILLER	F8	1*2P	FLAT	170300	60412	0	0	T2553459

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 186.8 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.12	2x 4	SP-#2
BC	0.07	2x 6	SP-#2
WB	0.11	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17- 3- 0
BC	Cont.	0- 0- 0	17- 3- 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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
D	1002	179 U	196 R
C	1150	197 U	196 R

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

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	17.2'
BC V	20	0	0.0'	17.2'
BC V	15	15	9.9'	17.2'
BC V	276	276	8.9'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -G	0.12	618 C	0.00 0.12
G -J	0.12	942 C	0.00 0.12
J -H	0.10	942 C	0.00 0.10
H -B	0.10	646 C	0.00 0.10
Bottom Chords			
D -F	0.02	150 T	0.00 0.02
F -I	0.05	618 T	0.04 0.01
I -E	0.07	646 T	0.04 0.03
E -C	0.04	150 T	0.00 0.04
Webs			
D -A	0.11	961 C	WindLd
A -F	0.09	1049 T	
F -G	0.05	746 C	
G -I	0.05	550 T	
I -J	0.01	236 C	
I -H	0.04	526 T	
E -H	0.05	712 C	
E -B	0.10	1149 T	
C -B	0.07	1057 C	WindLd

TL Defl -0.02" in I -E L/999
LL Defl -0.01" in I -E L/999
Shear // Grain in A -G 0.10

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.64
G	LOCK	3.0x 4.0	Ctr	Ctr	0.48
J	LOCK	2.0x 4.0	Ctr	Ctr	0.38
H	LOCK	4.0x 6.0-0.5	1.0		0.57
B	LOCK	3.0x 4.0	Ctr	Ctr	0.64
D	LOCK	2.0x 4.0	Ctr	Ctr	0.53
F	LOCK	6.0x 6.0	Ctr-1.2		0.43
I	LOCK	3.0x 7.0	Ctr	Ctr	0.42
E	LOCK	3.0x 4.0	Ctr	Ctr	0.48
C	LOCK	2.0x 4.0	Ctr	Ctr	0.53

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:
FBC2004
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	Rows	Nails	Screws	Bolts
TC	1	12	24	0
BC	2	12	24	0
WB	1	8	8	

Plus clusters of nails where shown.
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
This truss must be installed as shown. It cannot be installed upside-down.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 1057 Lbs
Max tens. force 1149 Lbs
Quality Control Factor 1.25

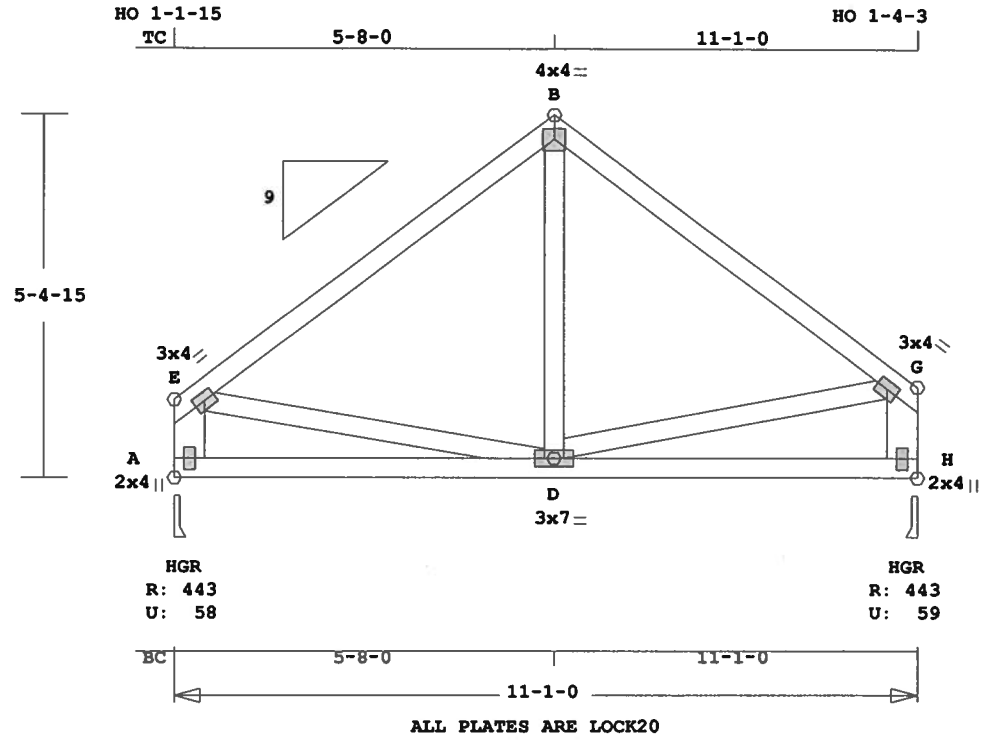
----Spacing (In)----

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	G1	2	TR	110100	9	0	0	T2553460

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 81.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.28	2x 4	SP-#2
BC	0.21	2x 4	SP-#2
WB	0.04	2x 4	SP-#2
--	0.02	2x 6	SP-#2
	A -E	H -G	

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	11- 1- 0
BC	Cont.	0- 0- 0	11- 1- 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	443	59 U	117 R
H	443	59 U	121 R

Jt	Brg Size	Required
A	3.5"	1.5"
H	3.5"	1.5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
E -B	0.28	315 C	0.00 0.28
B -G	0.25	314 C	0.00 0.25
--------Bottom Chords---------			
A -D	0.21	104 T	0.00 0.21
D -H	0.21	105 T	0.00 0.21
-------------Webs-------------			
A -E	0.02	396 C	WindLd
E -D	0.04	267 T	
D -B	0.02	179 T	
D -G	0.04	270 T	
H -G	0.02	399 C	WindLd

TL Defl -0.04" in A -D L/999
LL Defl -0.02" in A -D L/999
Shear // Grain in E -B 0.19

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
E	LOCK	3.0x 4.0	Ctr	Ctr	0.66
B	LOCK	4.0x 4.0	Ctr	Ctr	0.49
G	LOCK	3.0x 4.0	Ctr	Ctr	0.66
A	LOCK	2.0x 4.0	Ctr	Ctr	0.46
D	LOCK	3.0x 7.0	Ctr	Ctr	0.56
H	LOCK	2.0x 4.0	Ctr	Ctr	0.46

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

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

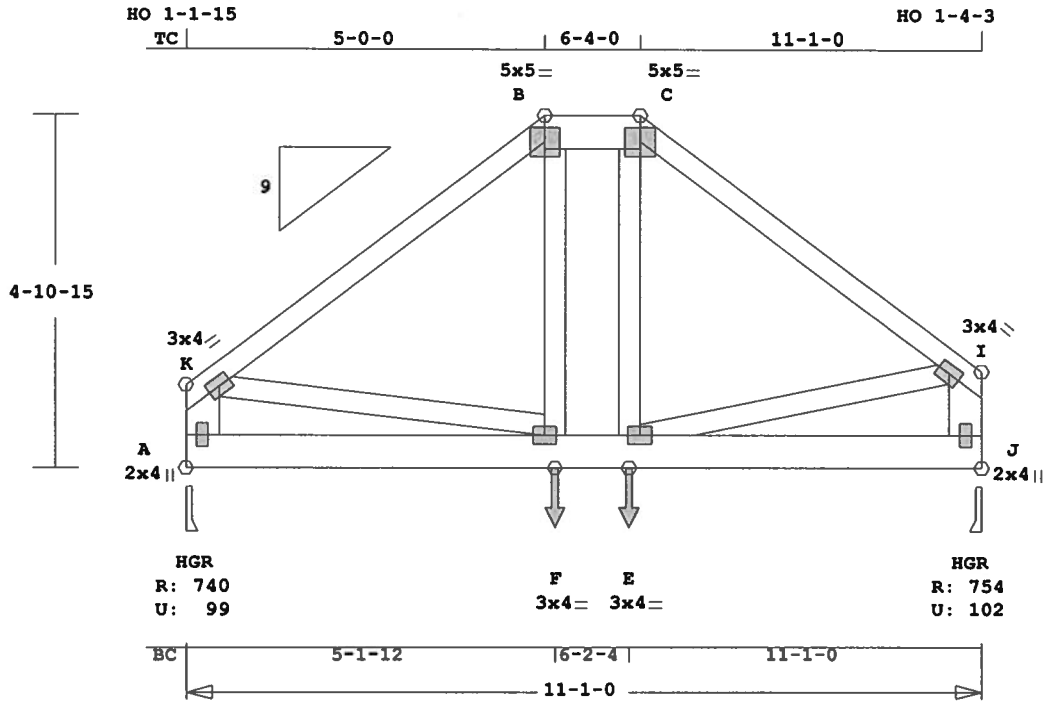
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 399 Lbs
Max tens. force 270 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	G2	1	HIPP	110100	9	0	0	T2553461

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 95.5 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
--	0.06	2x 6	SP-#2
	B -C		
BC	0.09	2x 6	SP-#2
WB	0.11	2x 4	SP-#2
--	0.04	2x 6	SP-#2
	A -K	J -I	

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	11- 1- 0
BC	Cont.	0- 0- 0	11- 1- 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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	741	100 U	104 R
J	755	102 U	108 R

Jt	Brg Size	Required
A	3.5"	1.5"
J	3.5"	1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	11.1'
BC V	20	0	0.0'	11.1'
TC V	15	30	5.0'	6.3'
BC V	15	0	5.1'	6.2'
BC V	133	133	5.1'	CL-LB
BC V	133	133	6.2'	CL-LB

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
K -B	0.27	724 C	0.00 0.27
B -C	0.06	586 C	0.03 0.03
C -I	0.24	724 C	0.04 0.20
Bottom Chords			
A -F	0.07	92 T	0.00 0.07
F -E	0.09	586 T	0.07 0.02
E -J	0.06	93 T	0.00 0.06
Webs			
A -K	0.04	687 C	WindLd
K -F	0.11	597 T	
F -B	0.03	250 T	
E -C	0.04	251 T	
E -I	0.11	603 T	
J -I	0.04	709 C	WindLd

TL Defl -0.02" in A -F L/999
LL Defl -0.01" in A -F L/999
Shear // Grain in K -B 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
K	LOCK	3.0x 4.0	Ctr	Ctr	0.66
B	LOCK	5.0x 5.0	Ctr	Ctr	0.50
C	LOCK	5.0x 5.0	Ctr	Ctr	0.50
I	LOCK	3.0x 4.0	Ctr	Ctr	0.66
A	LOCK	2.0x 4.0	Ctr	Ctr	0.46
F	LOCK	3.0x 4.0	Ctr	Ctr	0.56
E	LOCK	3.0x 4.0	Ctr	Ctr	0.44
J	LOCK	2.0x 4.0	Ctr	Ctr	0.46

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

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR

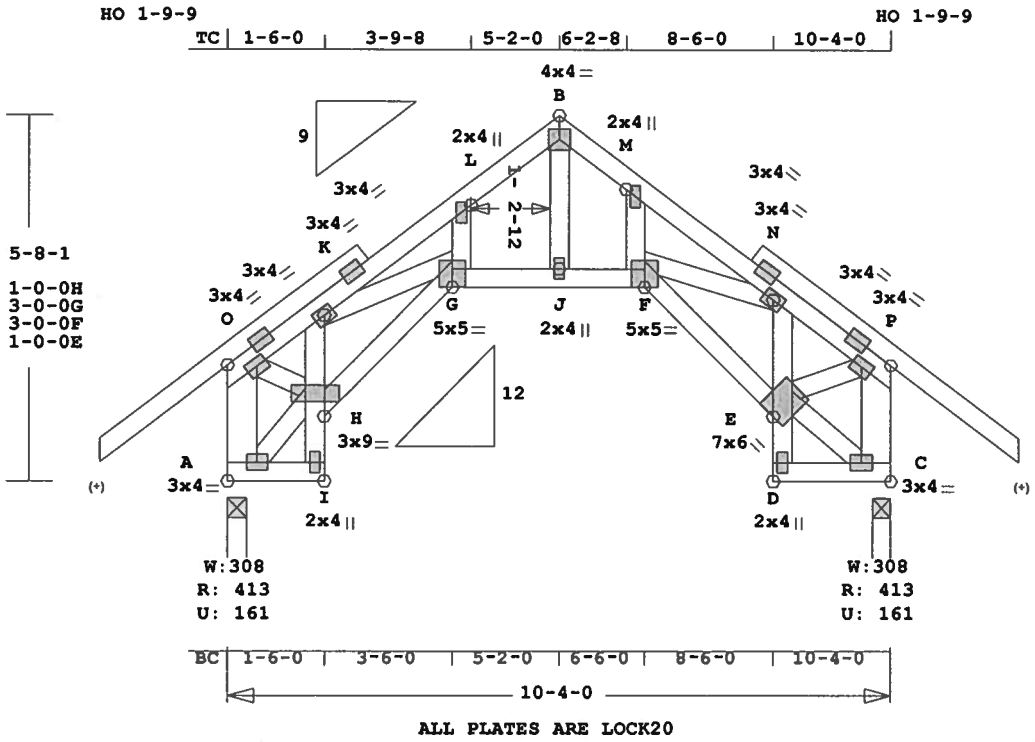
ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 5- 0- 0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 724 Lbs
Max tens. force 603 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	H1	1	SP	100400	9	0	0	T2553462

MILLER RESIDENCE



ALL PLATES ARE LOCK20

Scale: 0.334" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 111.8 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	Size	Lumber
TC	0.35	2x 4	SP-#2 (+)
BC	0.42	2x 4	SP-#2
CW	0.09	2x 4	SP-#2
WB	0.06	2x 4	SP-#2
--	0.04	2x 6	SP-#2

A -O C -P

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 4- 0
BC	Cont.	0- 0- 0	10- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	413	161 U	131 R
C	413	161 U	131 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)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
O -K	0.13	398 T	0.05 0.08
K -L	0.35	774 C	0.00 0.35
L -B	0.35	554 C	0.00 0.35
B -M	0.23	552 C	0.00 0.23
M -N	0.23	742 C	0.00 0.23
N -P	0.11	418 T	0.05 0.06
Bottom Chords			
A -I	0.01	37 T	0.00 0.01
H -G	0.28	417 T	0.07 0.21
G -J	0.42	539 T	0.09 0.33
J -F	0.42	539 T	0.09 0.33
F -E	0.23	414 T	0.07 0.16
D -C	0.01	33 T	0.00 0.01
Chord-Webs			
I -H	0.06	28 C	0.00 0.06
H -K	0.09	399 C	0.03 0.06
D -E	0.05	37 C	0.00 0.05
E -N	0.07	364 C	0.02 0.05
Webs			
A -O	0.04	423 C	WindLd
A -H	0.02	145 T	
O -H	0.06	377 T	
K -G	0.04	236 T	
G -L	0.04	226 T	
J -B	0.05	317 C	
F -M	0.03	195 T	
F -N	0.04	234 T	
E -P	0.06	348 T	
E -C	0.02	145 T	
C -P	0.04	409 C	WindLd

TL Defl -0.12" in H -G L/994
LL Defl -0.06" in H -G L/999

Hz Disp	LL	DL	TL
Jt C	0.10"	0.10"	0.20"

Shear // Grain in L -B 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
O	LOCK	3.0x 4.0	Ctr	Ctr	0.65
K	LOCK	3.0x 4.0	Ctr	Ctr	0.37
L	LOCK	2.0x 4.0	Ctr	Ctr	0.38
B	LOCK	4.0x 4.0	Ctr	Ctr	0.48
M	LOCK	2.0x 4.0	Ctr	Ctr	0.38
N	LOCK	3.0x 4.0	Ctr	Ctr	0.33
P	LOCK	3.0x 4.0	Ctr	Ctr	0.65
A	LOCK	3.0x 4.0	Ctr	Ctr	0.54
I	LOCK	2.0x 4.0	Ctr	Ctr	0.58
H	LOCK	3.0x 9.0	Ctr	1.8	0.73
G	LOCK	5.0x 5.0	Ctr	-1.0	0.49
J	LOCK	2.0x 4.0	Ctr	Ctr	0.38
F	LOCK	5.0x 5.0	Ctr	-1.0	0.47
E	LOCK	7.0x 6.0	0.4	0.4	0.39
D	LOCK	2.0x 4.0	Ctr	Ctr	0.58
C	LOCK	3.0x 4.0	Ctr	Ctr	0.54

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

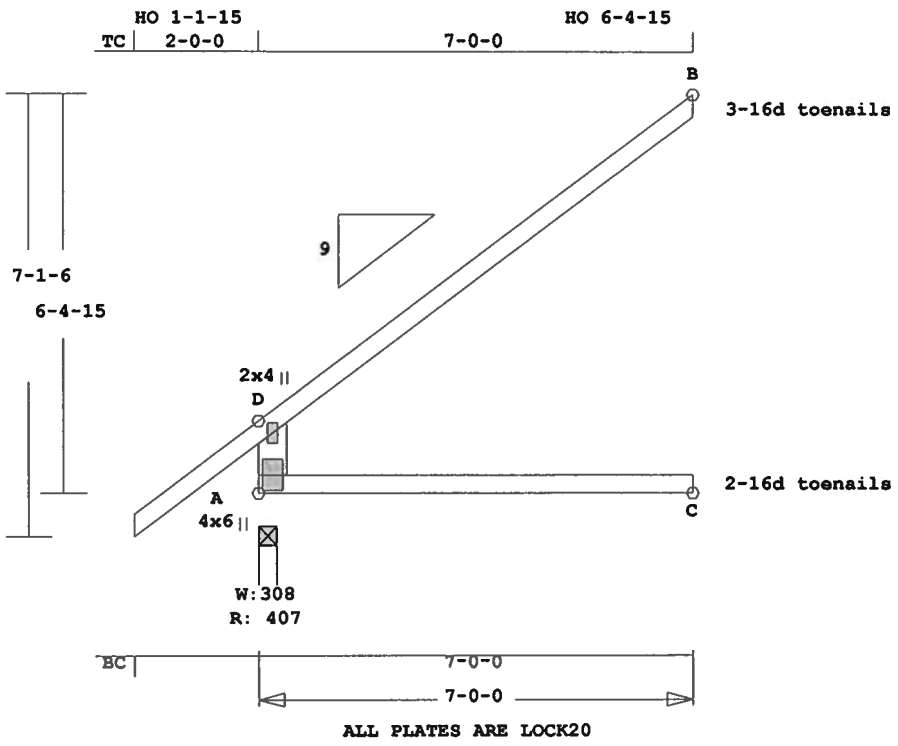
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0 10- 4- 0
Max comp. force 774 Lbs
Max tens. force 539 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J1	6	JCA2	70000	9	2- 0- 0	0	T2553463

MILLER RESIDENCE



Scale: 0.323" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 37.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.53	2x 4	SP-#2
WB	0.28	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0- 0
BC	Cont.	0- 0- 0	7- 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	407		305 R
C	132		125 R
B	240	126 U	

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.48	156 C	0.01 0.47
B -B	0.00	5 C	
--------Bottom Chords---------			
A -C	0.53	124 T	0.00 0.53
-------------Webs-------------			
A -D	0.28	225 C	0.00 0.28

TL Defl -0.18" in A -C L/427
LL Defl -0.08" in A -C L/999
Shear // Grain in D -B 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.41
A	LOCK	4.0x 6.0	Ctr	Ctr	0.25

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

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

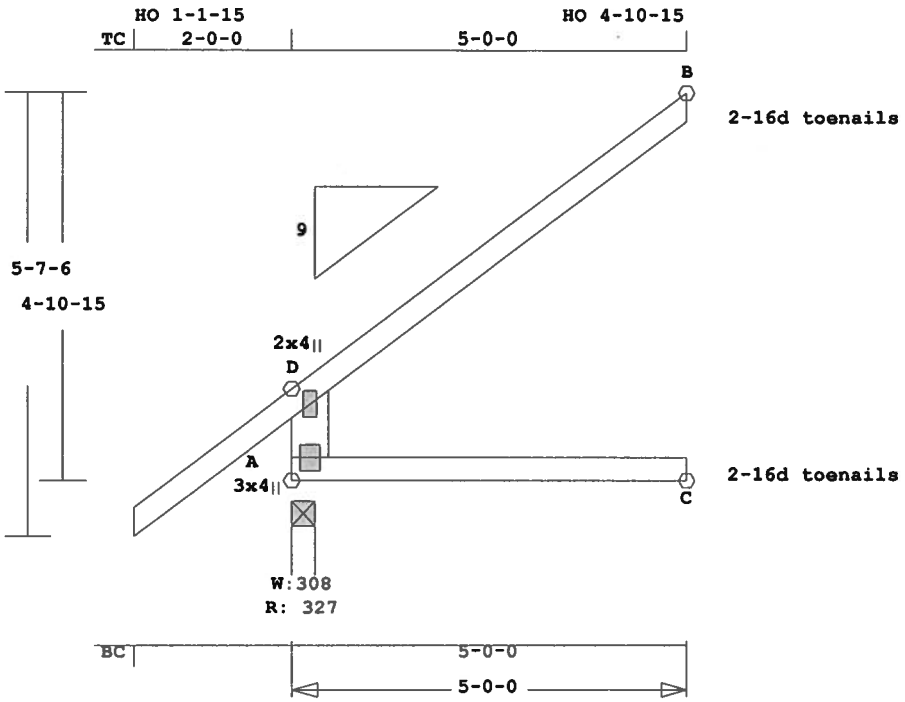
For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 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 225 Lbs
Max tens. force 124 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J2	2	JCA2	50000	9	2- 0- 0	0	T2553464

MILLER RESIDENCE



Scale: 0.411" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 28.8 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.26	2x 4	SP-#2
BC	0.31	2x 4	SP-#2
WB	0.16	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 0- 0
BC	Cont.	0- 0- 0	5- 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	327		239 R
C	94	2 U	93 R
B	182	96 U	

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.26	120 C	0.01 0.25
B -B	0.00	5 C	
--------Bottom Chords---------			
A -C	0.31	93 T	0.00 0.31
-------------Webs-------------			
A -D	0.16	159 C	0.00 0.16

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in D -B 0.15

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
A	LOCK	3.0x 4.0	Ctr	Ctr	0.38

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 159 Lbs
Max tens. force 94 Lbs
Quality Control Factor 1.25

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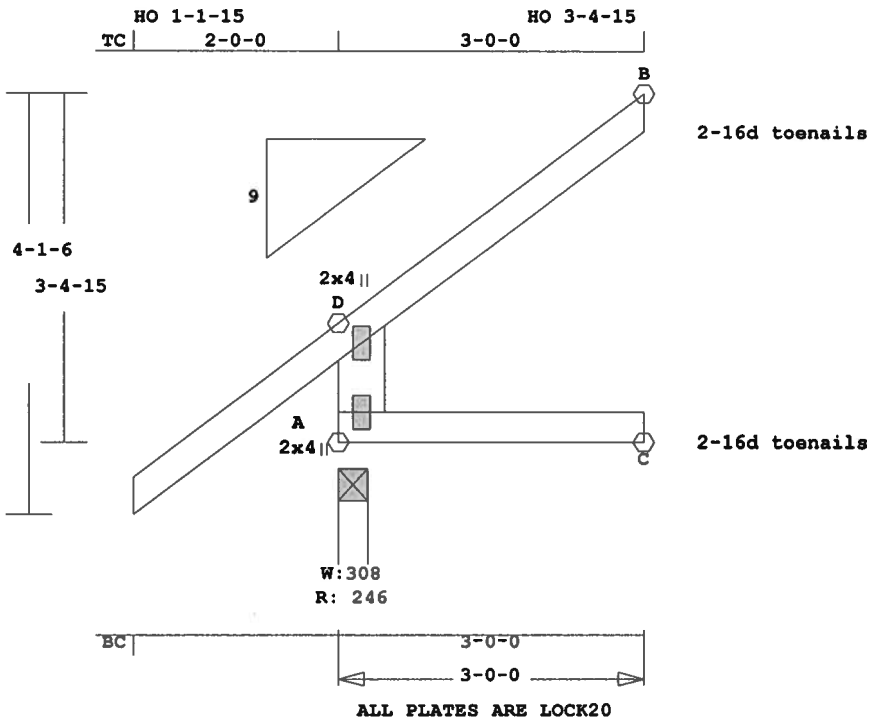
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J3	2	JCA2	30000	9	2- 0- 0	0	T2553465

MILLER RESIDENCE



Scale: 0.531" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.10	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
WB	0.07	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	3- 0- 0
BC	Cont.	0- 0- 0	3- 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	247		163 R
C	56	7 U	62 R
B	122	66 U	

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.10	82 C	0.00 0.10
B -B	0.00	5 C	
--------Bottom Chords---------			
A -C	0.14	62 T	0.00 0.14
-------------Webs-------------			
A -D	0.07	93 C	0.00 0.07

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

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

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

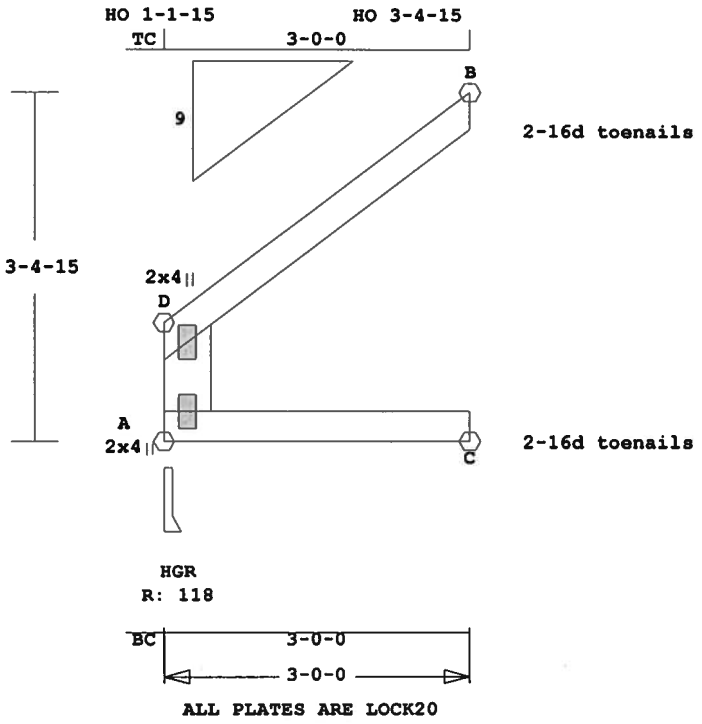
For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 93 Lbs
Max tens. force 64 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J3A	1	JCA2	30000	9	0	0	T2553466

MILLER RESIDENCE



Scale: 0.530" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 15.6 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.10	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
WB	0.07	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	3- 0- 0
BC	Cont.	0- 0- 0	3- 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	119		163 R
C	56	7 U	62 R
B	122	66 U	

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.10	82 C	0.00 0.10
B -B	0.00	5 C	
--------Bottom Chords---------			
A -C	0.14	62 T	0.00 0.14
------------Webs------------			
A -D	0.07	93 C	0.00 0.07

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

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

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

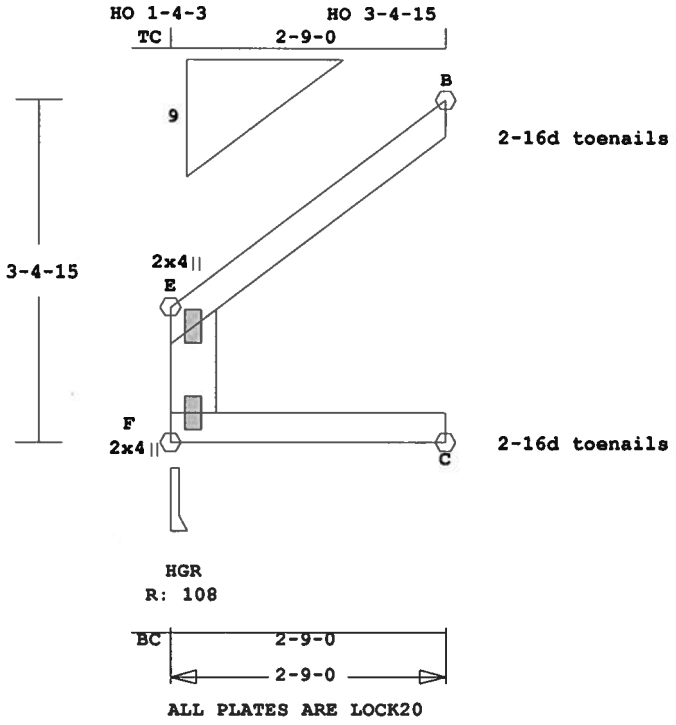
For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 93 Lbs
Max tens. force 64 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J3B	1	JCA2	20900	9	0	0	T2553467

MILLER RESIDENCE



Scale: 0.522" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 15.0 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.10	2x 4	SP-#2
BC	0.15	2x 4	SP-#2
WB	0.08	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	2- 9- 0
BC	Cont.	0- 0- 0	2- 9- 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-
F	109		164 R
C	51	11 U	62 R
B	120	66 U	

Jt	Brg Size	Required
F	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
E -B	0.10	81 C	0.00 0.10
B -B	0.00	5 C	
--------Bottom Chords---------			
F -C	0.15	61 T	0.00 0.15
-------------Webs-------------			
F -E	0.08	84 C	0.00 0.08

TL Defl 0.00" in F -C L/999
LL Defl 0.00" in F -C L/999
Shear // Grain in E -B 0.08

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38
F	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

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

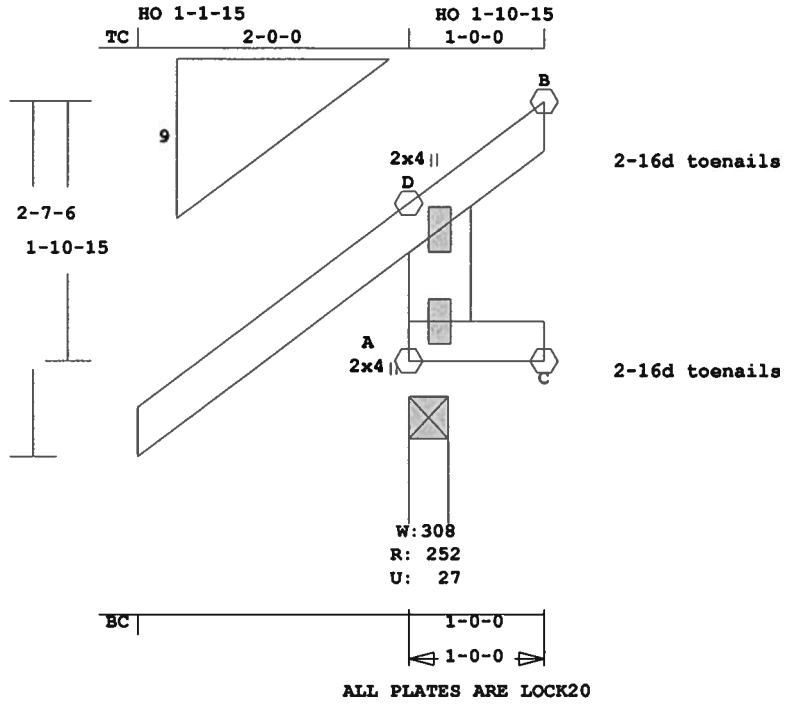
For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 84 Lbs
Max tens. force 63 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J4	4	JCA2	10000	9	2- 0- 0	0	T2553468

MILLER RESIDENCE



Scale: 0.707" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 11.8 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.07	2x 4	SP-#2
BC	0.01	2x 4	SP-#2
WB	0.04	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 0- 0
BC	Cont.	0- 0- 0	1- 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	252	28 U	86 R
A	124	26 U	31 R
B	140	81 U	

Jt	Brg Size	Required
A	3.5"	1.5"
A	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
D -B	0.07	96 C	0.00 0.07
B -B	0.00	5 C	
--------Bottom Chords---------			
A -C	0.01	0 T	0.00 0.01
-------------Webs-------------			
A -D	0.04	114 C	0.00 0.04

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

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

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

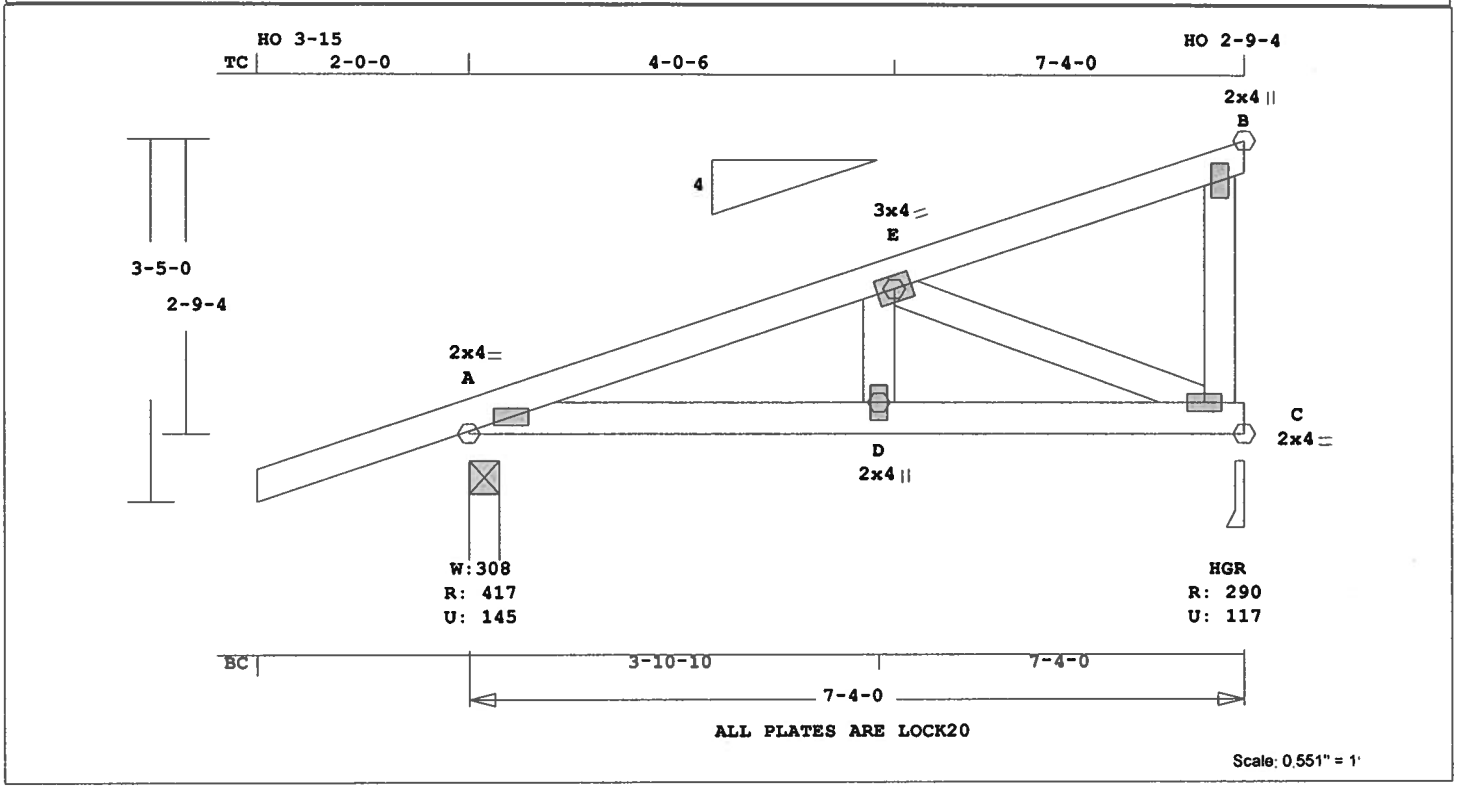
For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 114 Lbs
Max tens. force 90 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J5	13	MONO	70400	4	2- 0- 0	0	T2553469

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 44.6 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.21	2x 4	SP-#2
BC	0.13	2x 4	SP-#2
WB	0.12	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 4- 0
BC	Cont.	0- 0- 0	7- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	418	145 U	70 R
C	290	118 U	83 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -E	0.21	749 T	0.09 0.12
E -B	0.13	37 C	0.00 0.13
--------Bottom Chords---------			
A -D	0.13	743 C	0.07 0.06
D -C	0.11	743 C	0.00 0.11
----------Webs----------			
D -E	0.02	295 C	
E -C	0.12	875 T	
C -B	0.02	138 T	WindLd

TL Defl -0.02" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in E -B 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.79
E	LOCK	3.0x 4.0	Ctr	Ctr	0.40
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75

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:
FBC2004

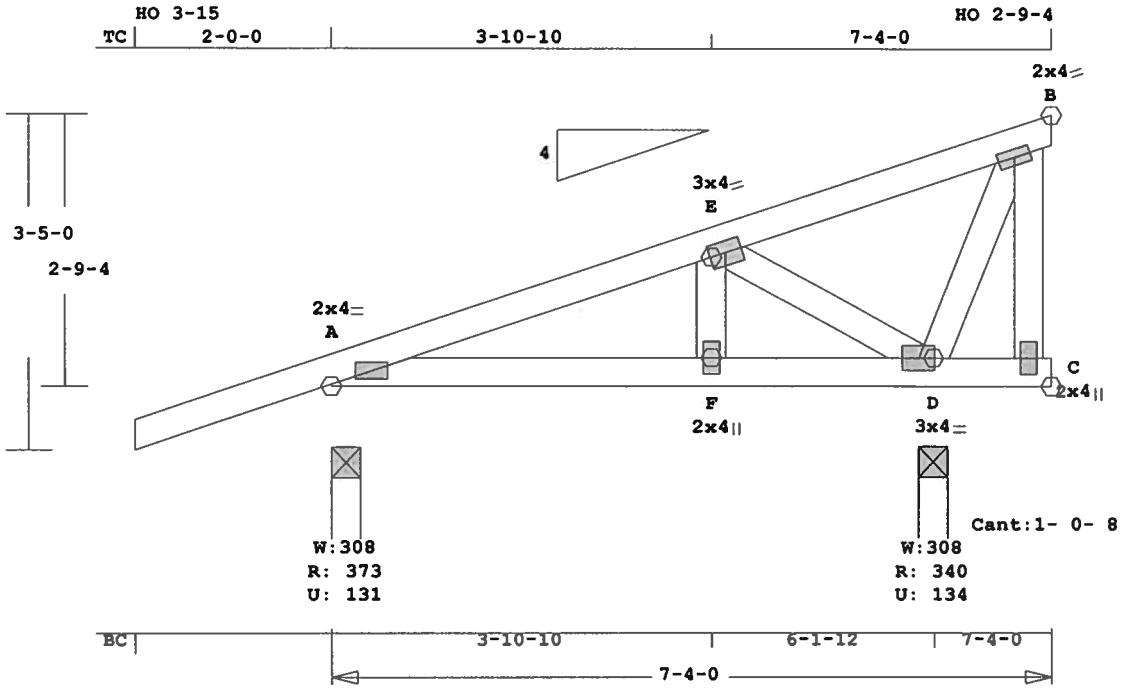
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 7- 4- 1
Max comp. force 743 Lbs
Max tens. force 875 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J5A	3	MONO	70400	4	2- 0- 0	0	T2553470

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 47.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.21	2x 4	SP-#2
BC	0.12	2x 4	SP-#2
WB	0.10	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 4- 0
BC	Cont.	0- 0- 0	7- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	373	132 U	71 R
D	340	134 U	83 R

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

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -E	0.21	480 T	0.06 0.15
E -B	0.15	66 C	0.00 0.15
--------Bottom Chords---------			
A -F	0.12	491 C	0.05 0.07
F -D	0.09	491 C	0.00 0.09
D -C	0.03	65 T	0.00 0.03
------------Webs------------			
F -E	0.02	250 C	
E -D	0.10	721 T	
D -B	0.02	187 T	
C -B	0.02	25 C	WindLd

TL Defl -0.01" in A -F L/999
LL Defl 0.00" in A -F L/999
Shear // Grain in E -B 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.79
E	LOCK	3.0x 4.0	Ctr	Ctr	0.40
B	LOCK	2.0x 4.0	Ctr	Ctr	0.75
F	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	3.0x 4.0	Ctr	Ctr	0.40
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02

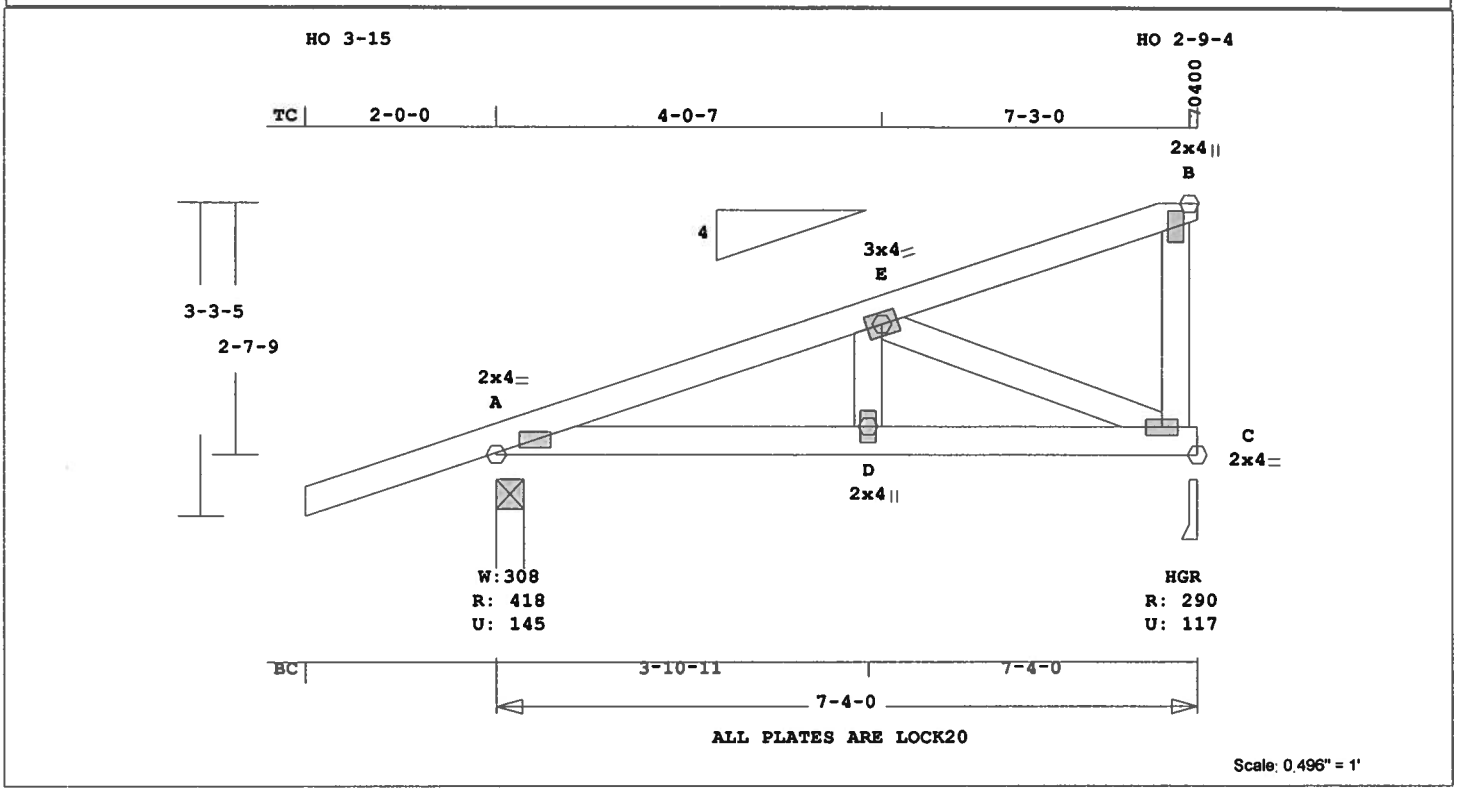
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 6- 1-12
Max comp. force 491 Lbs
Max tens. force 721 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J6	1	MONO	70400	4	2- 0- 0	0	T2553471

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 44.5 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.22	2x 4	SP-#2
BC	0.13	2x 4	SP-#2
WB	0.12	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 4- 0
BC	Cont.	0- 0- 0	7- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	418	145 U	71 R
C	290	118 U	83 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -E	0.22	752 T	0.09 0.13
E -B	0.13	37 C	0.00 0.13
Bottom Chords			
A -D	0.13	747 C	0.07 0.06
D -C	0.11	747 C	0.00 0.11
Webs			
D -E	0.02	295 C	
E -C	0.12	879 T	
C -B	0.02	138 T	WindLd

TL Defl -0.02" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in E -B 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.79
E	LOCK	3.0x 4.0	Ctr	Ctr	0.40
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75

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:
FBC2004

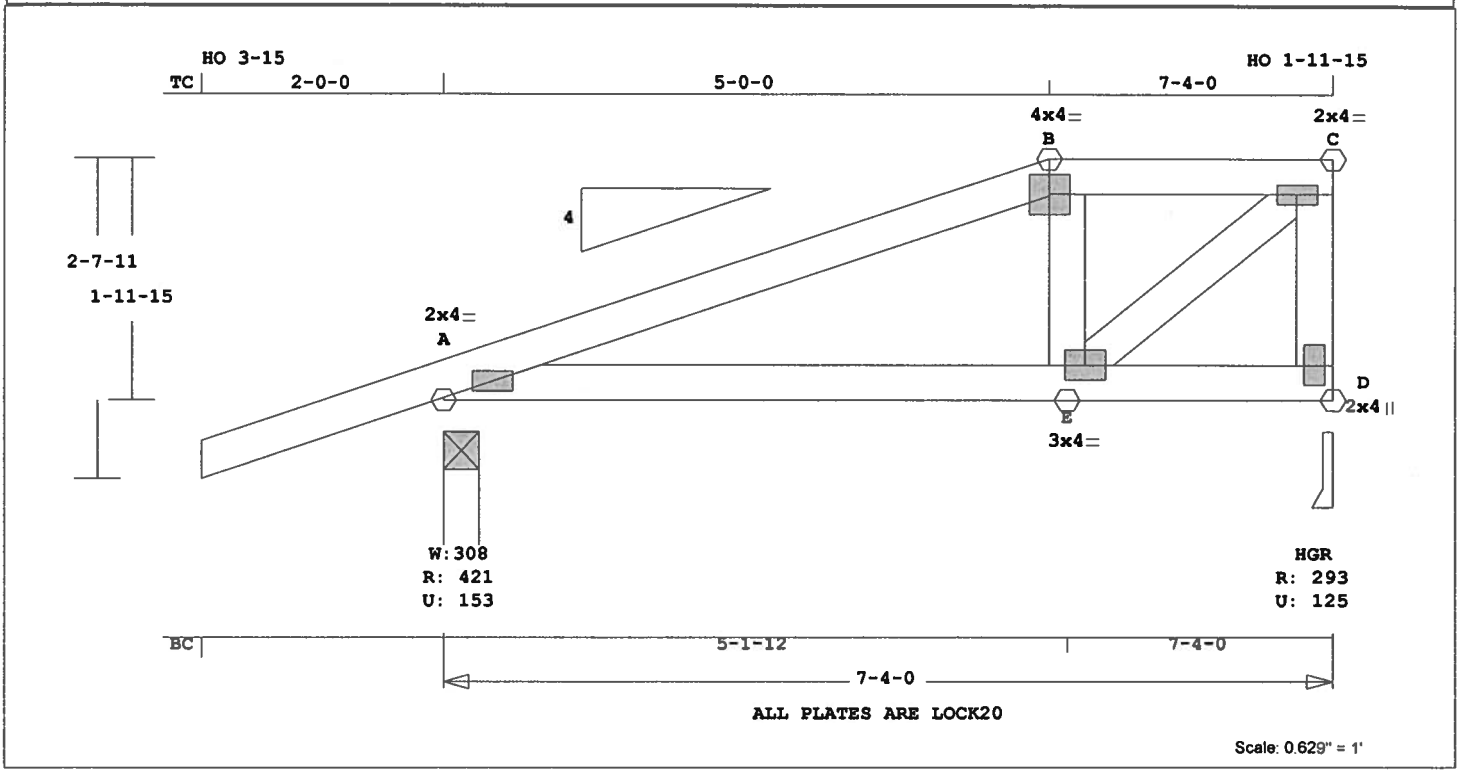
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 7- 4- 1
Max comp. force 747 Lbs
Max tens. force 879 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J7	1	HHIP	70400	4	2- 0- 0	0	T2553472

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 42.0 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.36	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
WB	0.08	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 4- 0
BC	Cont.	0- 0- 0	7- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	421	153 U	62 R
D	293	125 U	58 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -B	0.36	640 T	0.08 0.28
B -C	0.20	688 T	0.09 0.11
Bottom Chords			
A -E	0.26	602 C	0.00 0.26
E -D	0.24	46 T	0.00 0.24
Webs			
E -B	0.02	160 T	
E -C	0.08	845 C	
D -C	0.08	594 T WindLd	

TL Defl -0.04" in A -E L/999
LL Defl -0.02" in A -E L/999
Shear // Grain in A -B 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.79
B	LOCK	4.0x 4.0	Ctr	Ctr	0.62
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75
E	LOCK	3.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.64

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:
FBC2004

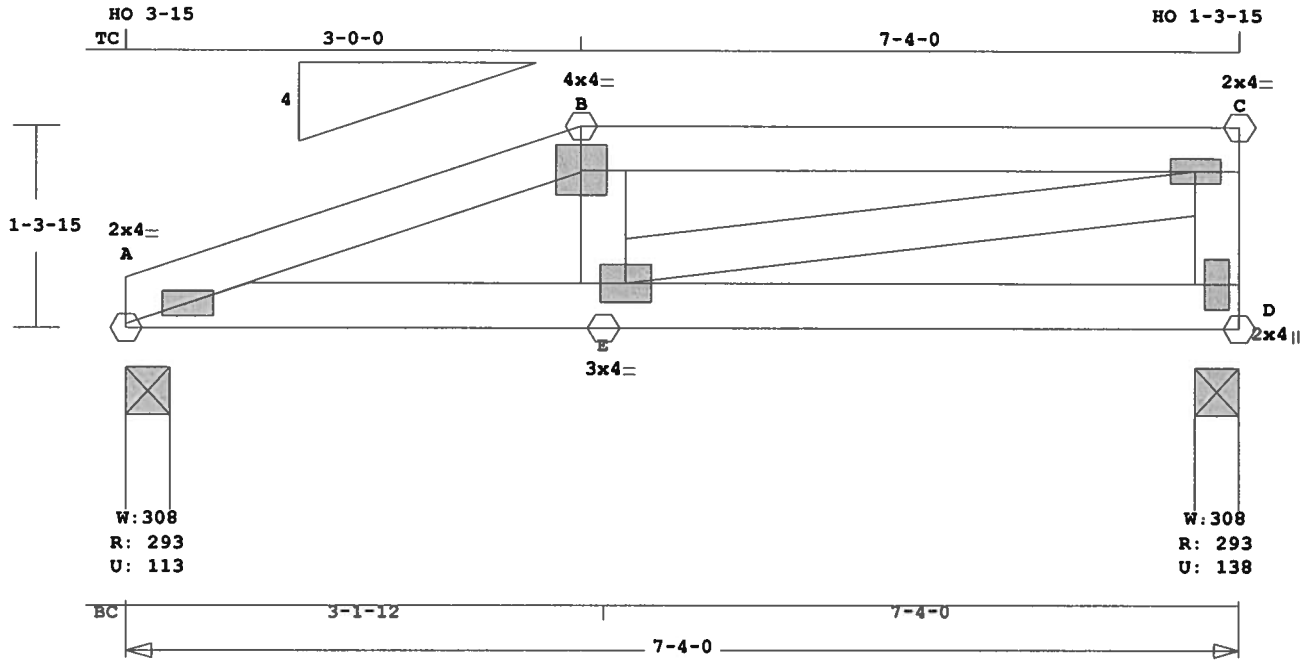
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 7- 4- 1
Max comp. force 845 Lbs
Max tens. force 688 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J8	1	HHIP	70400	4	0	0	T2553473

MILLER RESIDENCE



ALL PLATES ARE LOCK20

Scale: 0.789" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 38.2 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.17	2x 4	SP-#2
WB	0.23	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 4- 0
BC	Cont.	0- 0- 0	7- 4- 0

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

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

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	293	114 U	56 R
D	293	138 U	34 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.20	1100 T	0.14 0.06
B -C	0.33	1095 T	0.14 0.19
--------Bottom Chords---------			
A -E	0.13	1046 C	0.00 0.13
E -D	0.17	27 T	0.00 0.17
----------Webs----------			
E -B	0.01	209 C	
E -C	0.23	1109 C	
D -C	0.06	430 T	WindLd

TL Defl -0.03" in E -D L/999
LL Defl -0.01" in E -D L/999
Shear // Grain in E -D 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.79
B	LOCK	4.0x 4.0	Ctr	Ctr	0.62
C	LOCK	2.0x 4.0	Ctr	Ctr	0.79
E	LOCK	3.0x 4.0	Ctr	Ctr	0.51
D	LOCK	2.0x 4.0	Ctr	Ctr	0.46

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:
FBC2004

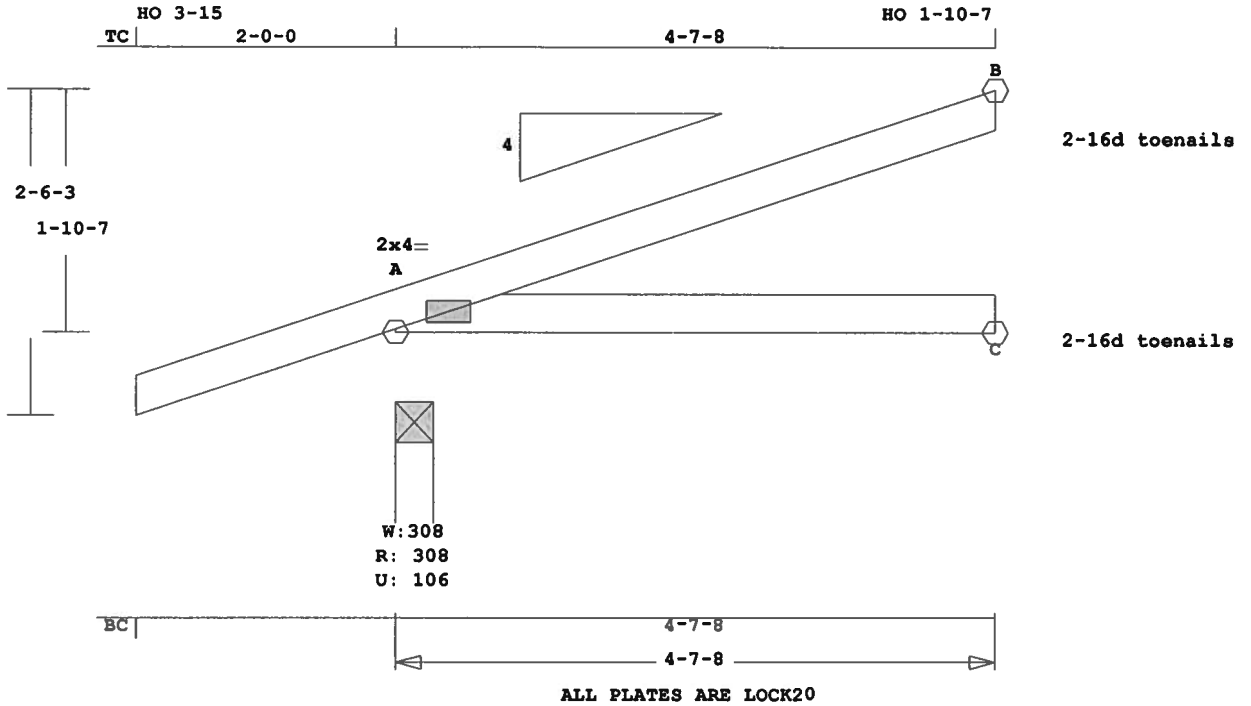
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 7- 4- 1
Max comp. force 1109 Lbs
Max tens. force 1100 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J9	1	JCA2	40708	4	2- 0- 0	0	T2553474

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 22.1 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.32	2x 4	SP-#2
BC	0.32	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 7- 8
BC	Cont.	0- 0- 0	4- 7- 8

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	309	106 U	151 R
C	85	29 U	
B	130	54 U	31 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.32	90 C	0.00 0.32
--------Bottom Chords---------			
A -C	0.32	0 T	0.00 0.32

TL Defl -0.03" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -B 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.73

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0	4- 7- 8

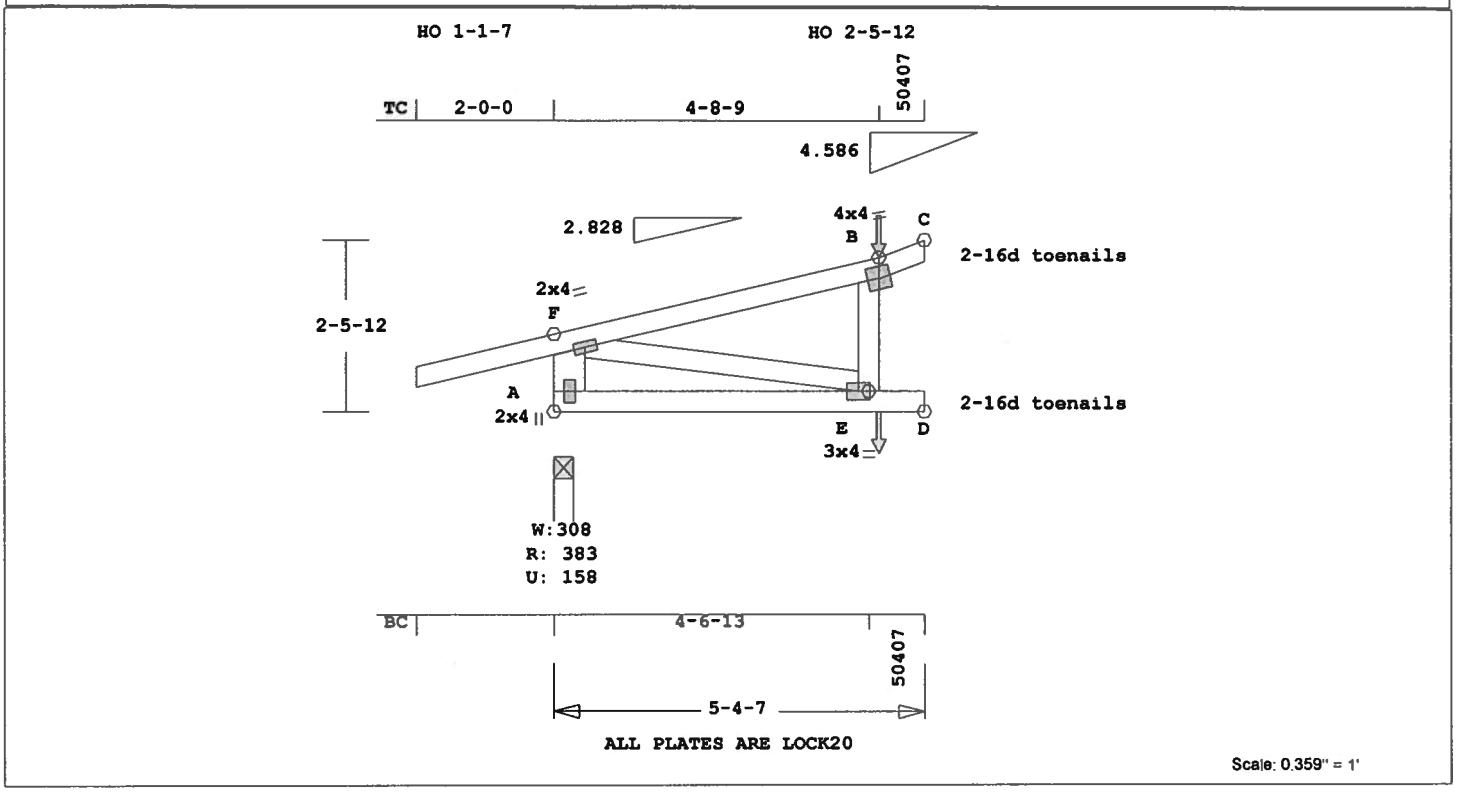
Max comp. force 90 Lbs
Max tens. force 18 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J10	1	SP	50407	2.828	2- 0- 0	0	T2553475

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 37.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.64	2x 4	SP-#2
BC	0.51	2x 4	SP-#2
WB	0.03	2x 4	SP-#2
--	0.02	2x 6	SP-#2
	A -F		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 4- 7
BC	Cont.	0- 0- 0	5- 4- 7

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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	383	158 U	179 R
D	203	63 U	
C	291	72 U	43 R

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

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	5.4'
BC V	20	0	0.0'	5.4'
TC V	85	85	4.7'	CL-LB
BC V	58	58	4.7'	CL-LB

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd

----------Top Chords----------

F -B	0.64	66 C	0.00	0.64
B -C	0.41	187 C	0.00	0.41

--------Bottom Chords---------

A -E	0.51	153 C	0.00	0.51
E -D	0.30	0 T	0.00	0.30

-------------Webs-------------

A -F	0.02	194 T	WindLd
F -E	0.02	148 T	
E -B	0.03	378 C	WindLd

TL Defl -0.08" in A -E L/745
LL Defl -0.04" in A -E L/999

Hz Disp	LL	DL	TL
Jt C	0.01"	0.00"	0.01"

Shear // Grain in B -C 0.48

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
F	LOCK	2.0x 4.0	Ctr	Ctr	0.75
B	LOCK	4.0x 4.0	Ctr	Ctr	0.59
A	LOCK	2.0x 4.0	Ctr	Ctr	0.39
E	LOCK	3.0x 4.0	Ctr	Ctr	0.50

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

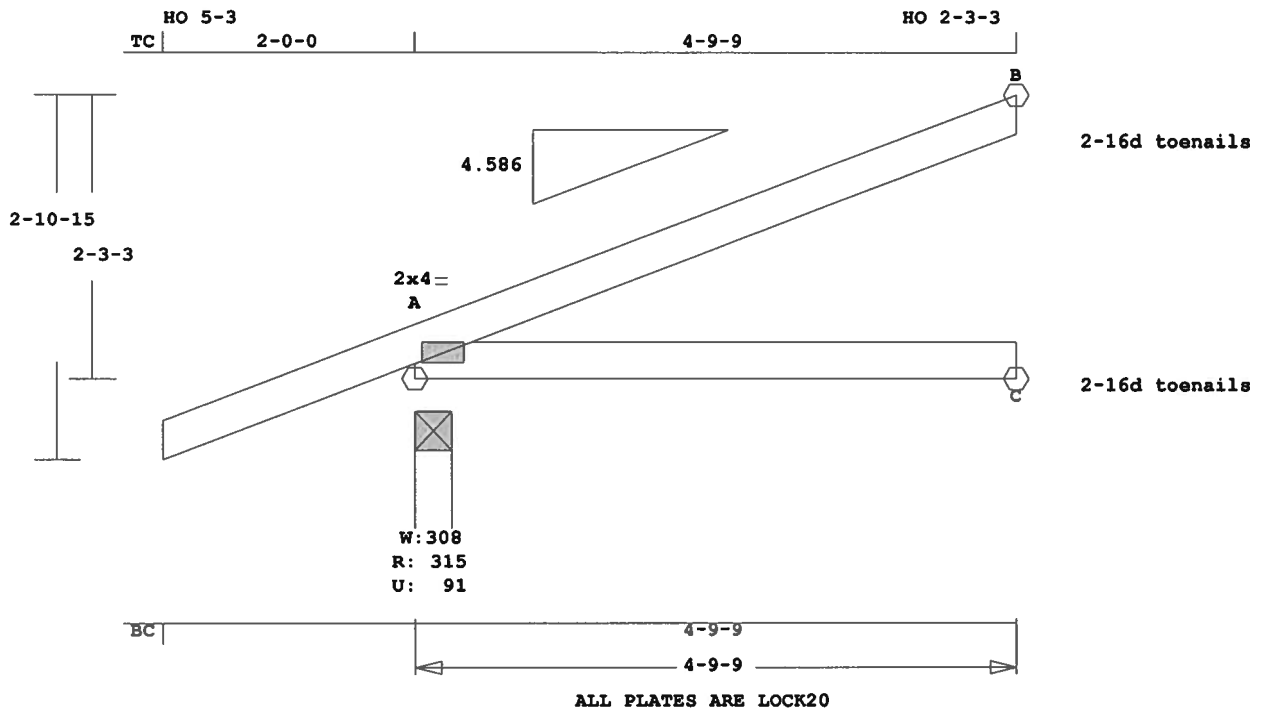
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 5- 4- 7
Max comp. force 378 Lbs
Max tens. force 194 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J11	1	JCA2	40909	4.586	2- 0- 0	0	T2553476

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 23.0 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.35	2x 4	SP-#2
BC	0.36	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 9- 9
BC	Cont.	0- 0- 0	4- 9- 9

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	315	92 U	175 R
C	90	31 U	
B	137	59 U	38 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	3.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.35	109 C	0.00 0.35
--------Bottom Chords---------			
A -C	0.36	0 T	0.00 0.36

TL Defl -0.04" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -B 0.23

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A LOCK	2.0x 4.0	Ctr	Ctr	0.70

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0	4- 9- 9

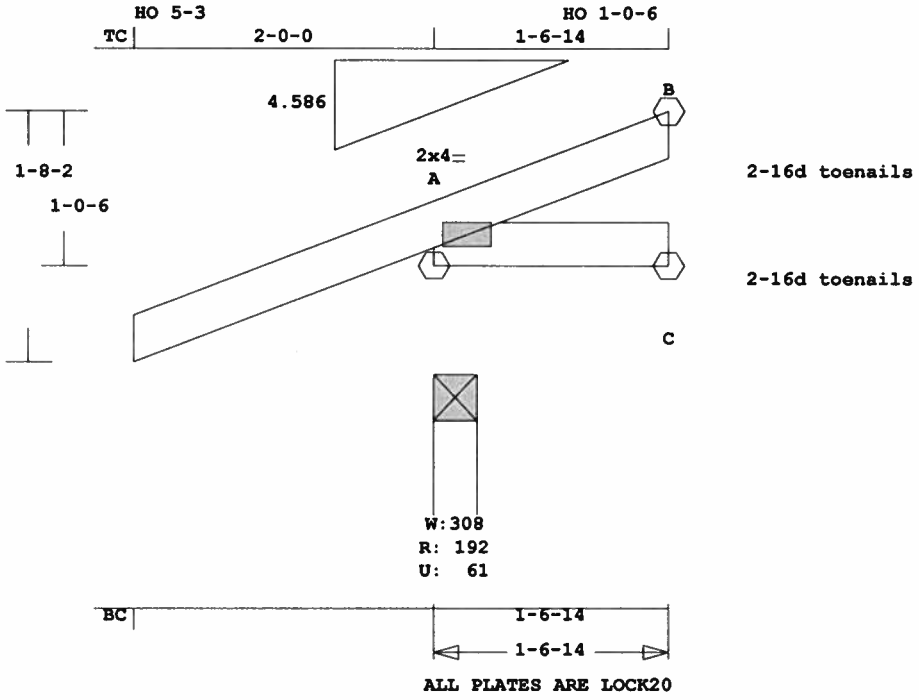
Max comp. force 109 Lbs
Max tens. force 22 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	J12	2	JCA2	10614	4.586	2- 0- 0	0	T2553477

MILLER RESIDENCE



Scale: 0.777" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 10.4 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

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

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 6-14
BC	Cont.	0- 0- 0	1- 6-14

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	193	62 U	68 R
B	43	20 U	
C	25	10 U	13 R

Jt	Brg Size	Required
A	3.5"	1.5"
B	1.5"	1.5"
C	1.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.03	36 C	0.00 0.03
--------Bottom Chords---------			
A -C	0.03	12 T	0.00 0.03

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.07

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A LOCK	2.0x 4.0	Ctr	Ctr	0.70

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

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

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0	1- 6-14

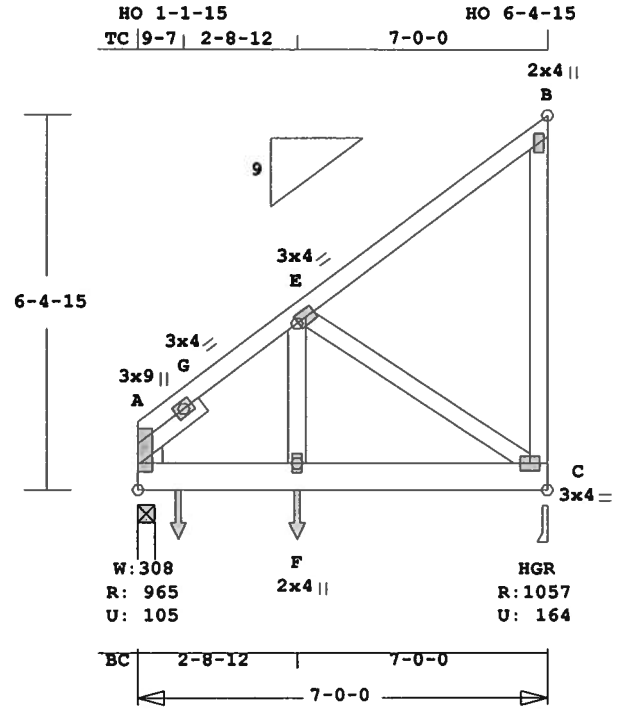
Max comp. force 36 Lbs
Max tens. force 12 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	JG1	1*2P	SP	70000	9	0	0	T2553478

MILLER RESIDENCE



Scale: 0.304" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 64.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.12	2x 4	SP-#2
BC	0.24	2x 6	SP-#2
WB	0.08	2x 4	SP-#2
SL	0.02	2x 4	SP-#2
PB	---	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0- 0
BC	Cont.	0- 0- 0	7- 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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	966	105 U	100 R
C	1058	165 U	196 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	7.0'
BC V	20	0	0.0'	7.0'
BC V	91	91	3.7'	7.0'
BC V	59	59	0.7'	CL-LB
BC V	370	370	2.7'	CL-LB

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -G	0.12	617 C	0.00 0.12
G -E	0.12	982 C	0.00 0.12
E -B	0.11	102 T	0.00 0.11
--------Bottom Chords---------			
A -F	0.24	767 T	0.05 0.19
F -C	0.23	767 T	0.05 0.18
------------Webs------------			
F -E	0.08	1040 T	
E -C	0.05	927 C	
C -B	0.08	123 C	WindLd
----------Sliders----------			
A -G	0.02	457 C	

TL Defl -0.02" in F -C L/999
LL Defl -0.01" in F -C L/999
Shear // Grain in F -C 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 9.0	1.5	0.7	1.00
G	LOCK	3.0x 4.0	Ctr	Ctr	0.50
E	LOCK	3.0x 4.0	Ctr	Ctr	0.47
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
F	LOCK	2.0x 4.0	Ctr	Ctr	0.56
C	LOCK	3.0x 4.0	Ctr	Ctr	0.63

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:
FBC2004
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	----Spacing (In)----		
Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	8	8	

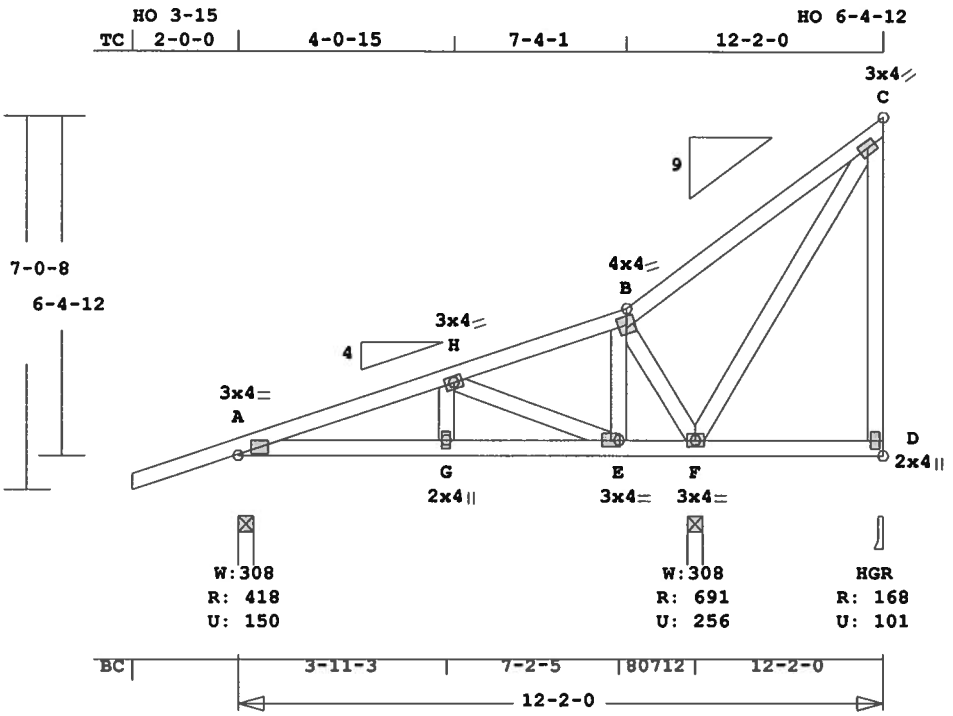
Plus clusters of nails where shown.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 982 Lbs
Max tens. force 1040 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	M1	4	SP	120200	4	2- 0- 0	0	T2553479

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 93.4 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
BC	0.13	2x 4	SP-#2
WB	0.19	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	12- 2- 0
BC	Cont.	0- 0- 0	12- 2- 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	418	151 U	91 R
F	691	256 U	
D	168	101 U	212 R

Jt	Brg Size	Required
A	3.5"	1.5"
F	3.5"	1.5"
D	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -H	0.14	494 T	0.06	0.08
H -B	0.15	84 C	0.00	0.15
B -C	0.27	205 T	0.03	0.24
Bottom Chords				
A -G	0.13	486 C	0.06	0.07
G -E	0.10	486 C	0.06	0.04
E -F	0.07	116 T	0.00	0.07
F -D	0.07	166 T	0.00	0.07
Webs				
G -H	0.02	172 C		
H -E	0.08	568 T		
E -B	0.03	310 C		
B -F	0.07	533 T		
F -C	0.19	371 T		
D -C	0.18	146 C	WindLd	

TL Defl -0.02" in A -G L/999
LL Defl -0.01" in A -G L/999
Shear // Grain in H -B 0.15

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.69
H	LOCK	3.0x 4.0	Ctr	Ctr	0.45
B	LOCK	4.0x 4.0	Ctr	Ctr	0.71
C	LOCK	3.0x 4.0	Ctr	Ctr	0.57
G	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	3.0x 4.0	Ctr	Ctr	0.43
F	LOCK	3.0x 4.0	Ctr	Ctr	0.42
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

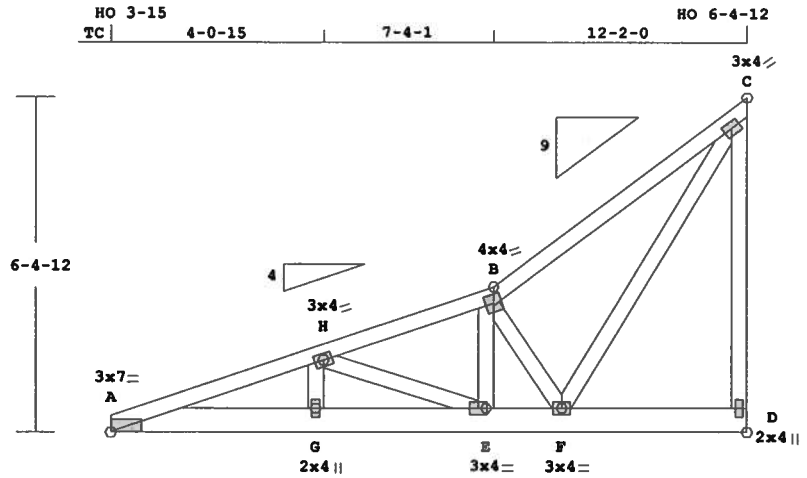
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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---
0- 0- 0 8- 7-12
Max comp. force 486 Lbs
Max tens. force 568 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HARPE-MILLER	M2	1*2P	SP	120200	4	0	0	T2553480

MILLER RESIDENCE



ALL PLATES ARE LOCK20

Scale: 0.272" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 99.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.18	2x 4	SP-#2
BC	0.27	2x 6	SP-#2
WB	0.07	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	12- 2- 0
BC	Cont.	0- 0- 0	12- 2- 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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	786	158 U	90 R
F	2841	545 U	
D	552	101 U	213 R

Jt	Brg Size	Required
A	3.5"	1.5"
F	3.5"	1.5"
D	3.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	12.2'
BC V	20	0	0.0'	12.2'
BC V	68	68	0.0'	7.6'
BC V	238	238	7.6'	12.2'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -H	0.10	1186 C	0.06 0.04
H -B	0.11	92 C	0.00 0.11
B -C	0.18	427 T	0.04 0.14
Bottom Chords			
A -G	0.19	1135 T	0.07 0.12
G -E	0.13	1135 T	0.07 0.06
E -F	0.27	125 T	0.00 0.27
F -D	0.27	168 T	0.00 0.27
Webs			
G -H	0.05	639 T	
H -E	0.06	1160 C	
E -B	0.05	617 T	
B -F	0.04	699 C	
F -C	0.05	695 C	
D -C	0.07	234 T	WindLd

TL Defl -0.01" in F -D L/999
LL Defl -0.01" in F -D L/999
Shear // Grain in F -D 0.41

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 7.0	3.5	1.3	0.70
H	LOCK	3.0x 4.0	Ctr	Ctr	0.45
B	LOCK	4.0x 4.0	Ctr	Ctr	0.71
C	LOCK	3.0x 4.0	Ctr	Ctr	0.57
G	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	3.0x 4.0	Ctr	Ctr	0.43
F	LOCK	3.0x 4.0	Ctr	Ctr	0.34
D	LOCK	2.0x 4.0	Ctr	Ctr	0.47

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:
FBC2004
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	----Spacing (In)----		
Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	8	8	

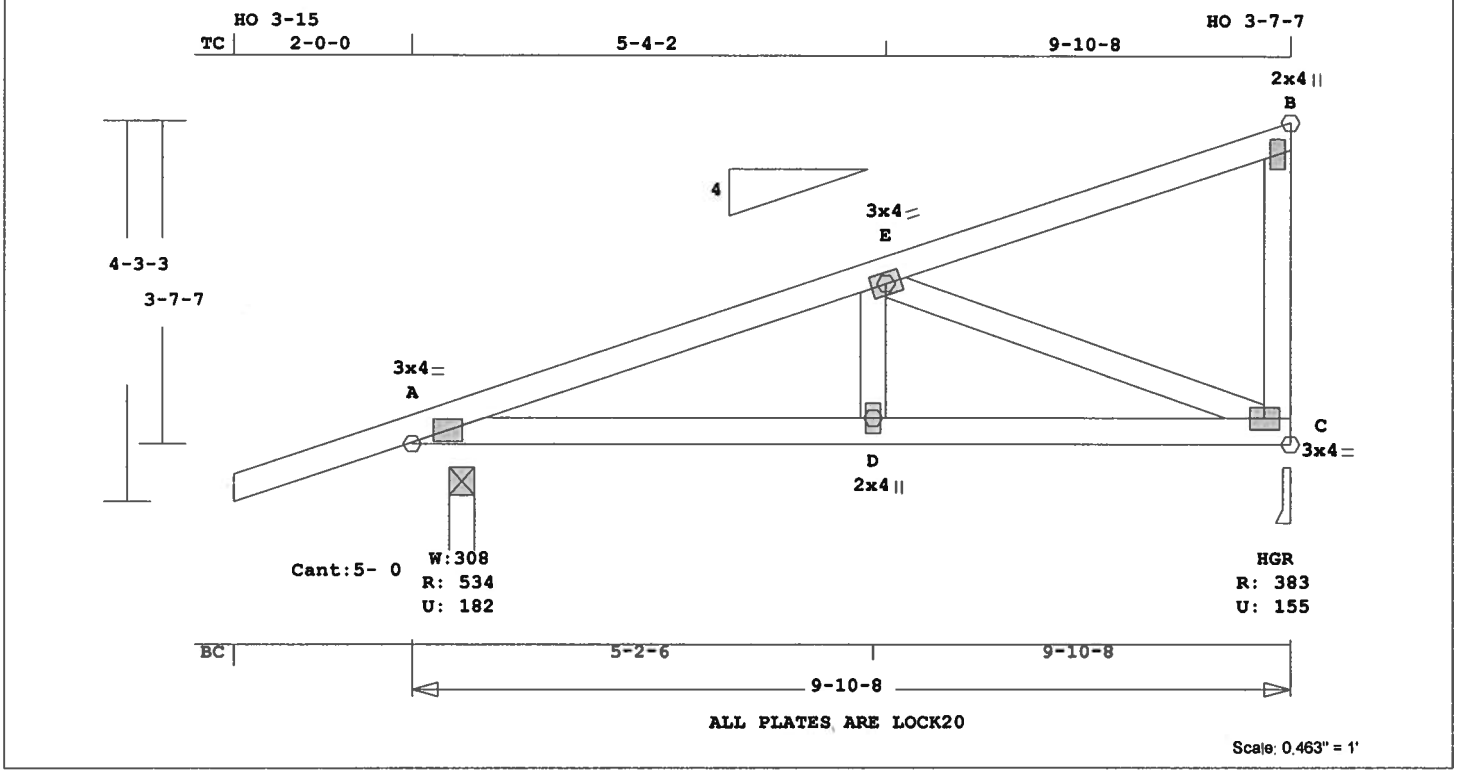
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 8- 7-12
Max comp. force 1186 Lbs
Max tens. force 1135 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	M3	9	MONO	91008	4	2- 0- 0	0	T2553481

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 59.5 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.18	2x 4	SP-#2
WB	0.18	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9-10- 8
BC	Cont.	0- 0- 0	9-10- 8

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	534	183 U	69 R
C	384	156 U	115 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -E	0.31	815 T	0.10 0.21
E -B	0.22	51 C	0.00 0.22
--------Bottom Chords---------			
A -D	0.18	793 C	0.06 0.12
D -C	0.18	793 C	0.06 0.12
----------Webs----------			
D -E	0.03	294 C	
E -C	0.18	941 T	
C -B	0.04	163 T	WindLd

TL Defl -0.03" in D -C L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in E -B 0.20

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.65
E	LOCK	3.0x 4.0	Ctr	Ctr	0.42
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	3.0x 4.0	Ctr	Ctr	0.54

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:
FBC2004

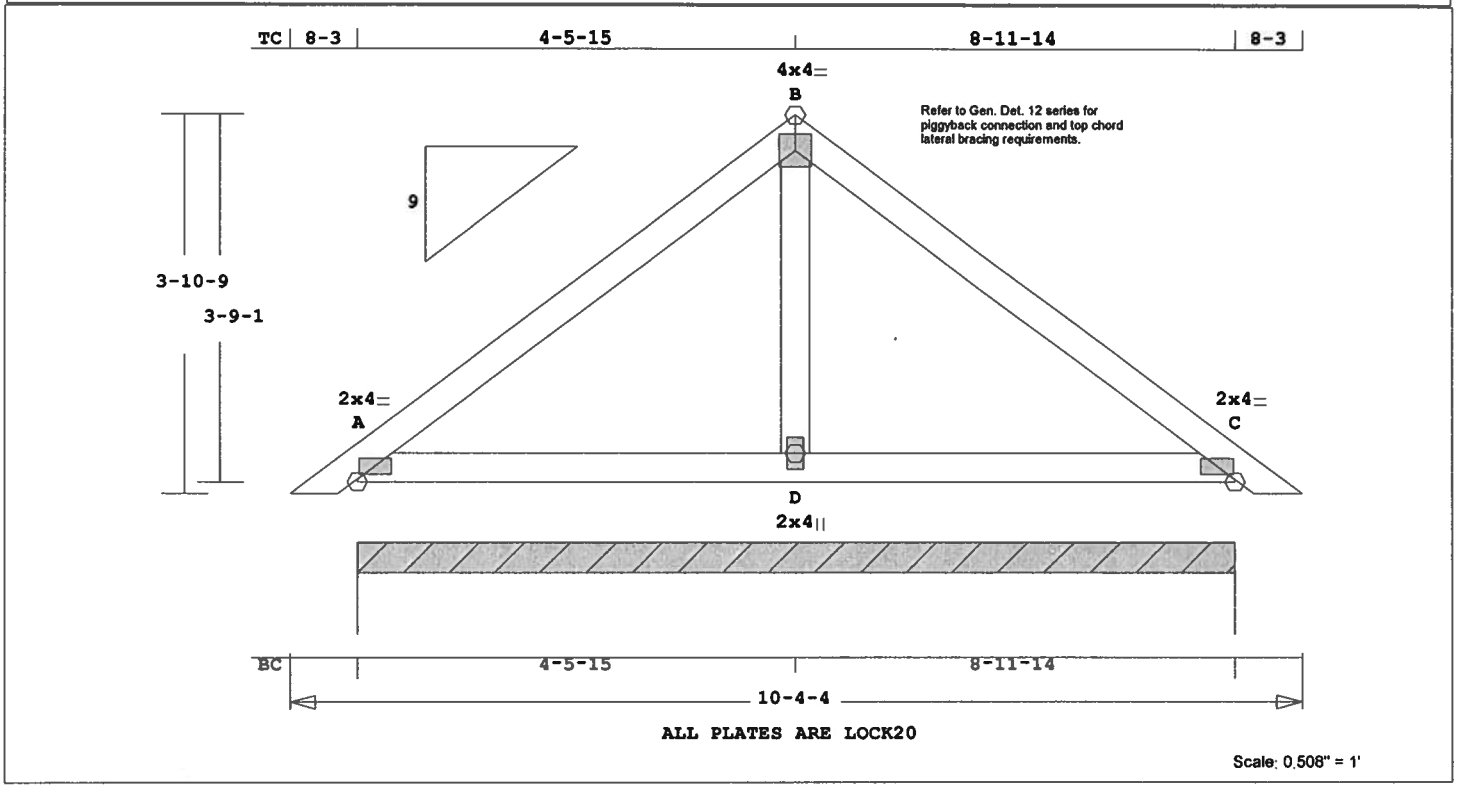
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 5- 0 9-10- 8
Max comp. force 793 Lbs
Max tens. force 941 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P1	3	TR	100404	9	8- 3	8- 3	T2553482

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 47.3 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.13	2x 4	SP-#2
BC	0.13	2x 4	SP-#2
WB	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 4- 4
BC	Cont.	0- 0- 0	10- 4- 4

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	744	100 U	68 R

Jt	Brg Size	Required
A	107.9"	0"-to- 108"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -B	0.13	261 C	0.00 0.13
B -C	0.13	261 C	0.00 0.13
Bottom Chords			
A -D	0.13	1 T	0.00 0.13
D -C	0.13	1 T	0.00 0.13

Webs

D -B	0.01	104 T

TL Defl -0.01" in A -D L/999
LL Defl -0.01" in A -B L/999
Shear // Grain in A -B 0.13

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65
B	LOCK	4.0x 4.0	Ctr	Ctr	0.47
C	LOCK	2.0x 4.0	Ctr	Ctr	0.65
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

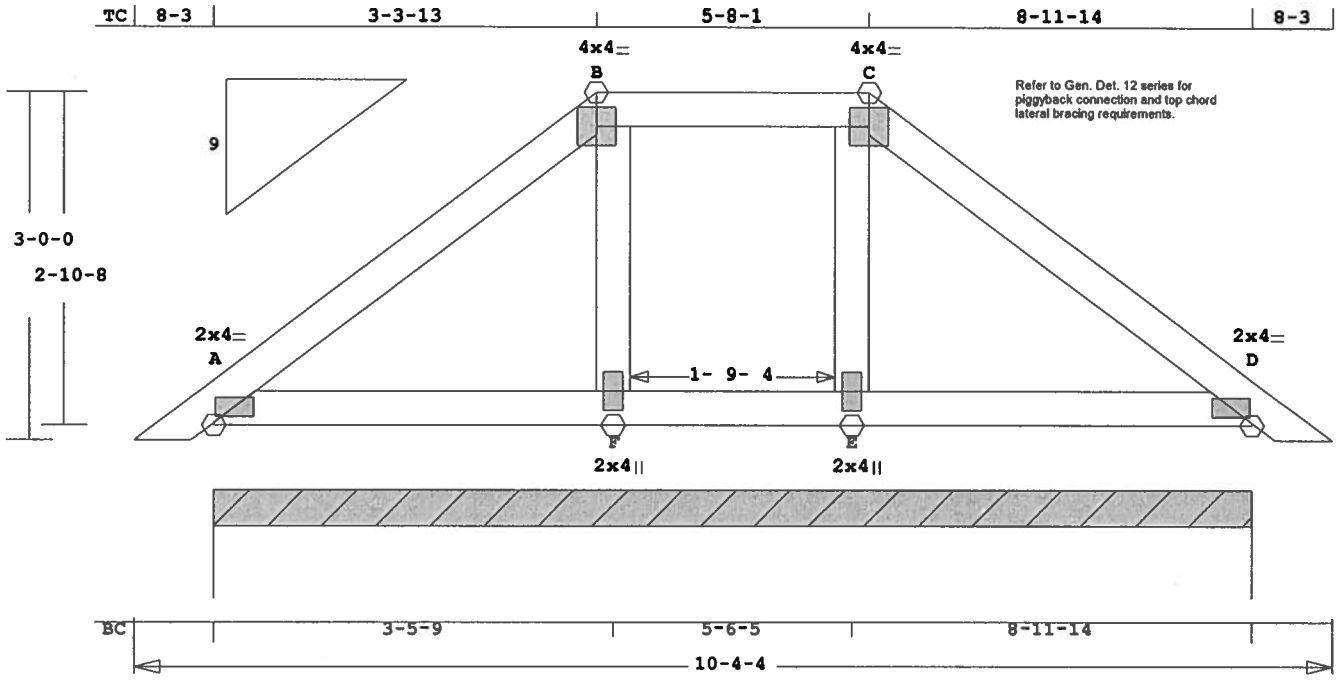
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 261 Lbs
Max tens. force 197 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P2	1	HIPP	100404	9	8- 3	8- 3	T2553483

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 49.0 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.08	2x 4	SP-#2
BC	0.05	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- 4- 4
BC	Cont.	0- 0- 0	10- 4- 4

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	744	100 U	51 R

Jt	Brg Size	Required
A	107.9"	0"-to- 108"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.08	212 C	0.00 0.08
B -C	0.04	208 C	0.02 0.02
C -D	0.08	212 C	0.00 0.08
--------Bottom Chords---------			
A -F	0.05	1 T	0.00 0.05
F -E	0.04	0 T	0.00 0.04
E -D	0.05	1 T	0.00 0.05
------------Webs------------			
F -B	0.00	41 T	
E -C	0.00	41 T	

TL Defl -0.01" in E -D L/999
LL Defl 0.00" in E -D L/999
Shear // Grain in A -B 0.09

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65
B	LOCK	4.0x 4.0	Ctr	Ctr	0.65
C	LOCK	4.0x 4.0	Ctr	Ctr	0.65
D	LOCK	2.0x 4.0	Ctr	Ctr	0.65
F	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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:
FBC2004

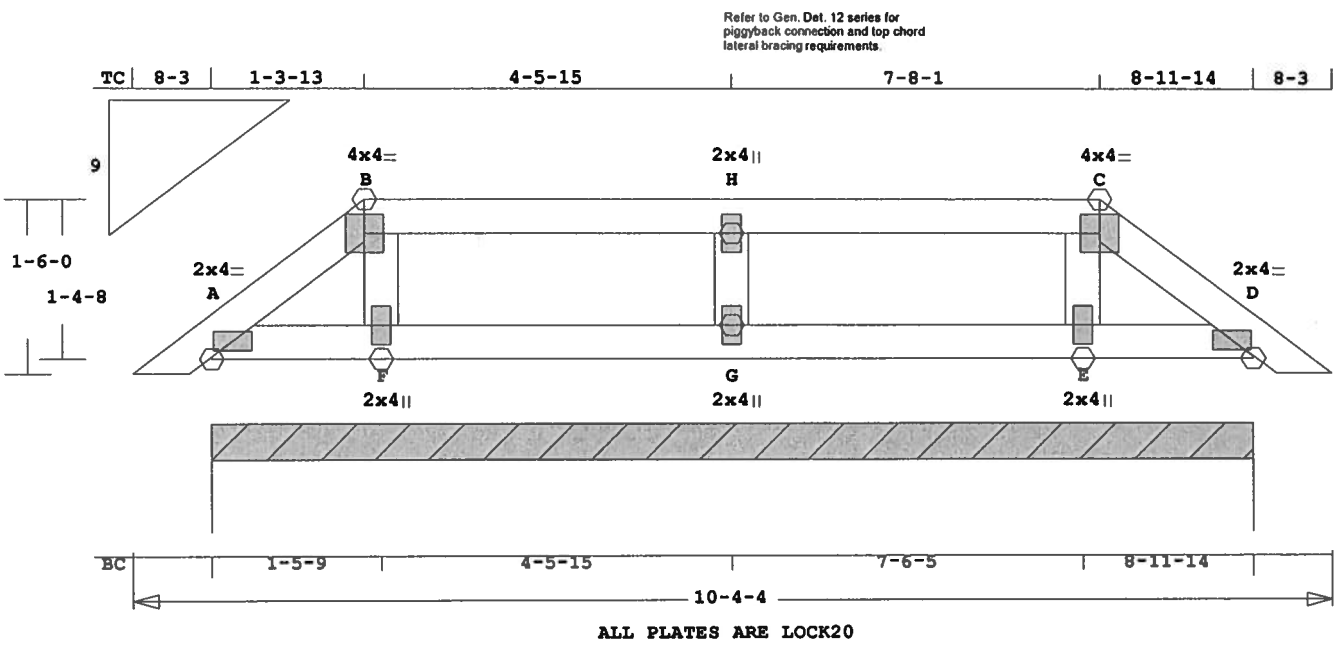
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 212 Lbs
Max tens. force 187 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P3	1	HIPP	100404	9	8- 3	8- 3	T2553484

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 42.9 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.10	2x 4	SP-#2
BC	0.05	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 4- 4
BC	Cont.	0- 0- 0	10- 4- 4

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	744	114 U	19 R

Jt	Brg Size	Required
A	107.9"	0"-to- 108"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -B	0.01	33 C	0.00 0.01
B -H	0.10	43 T	0.00 0.10
H -C	0.10	43 T	0.00 0.10
C -D	0.01	33 C	0.00 0.01
Bottom Chords			
A -F	0.03	0 T	0.00 0.03
F -G	0.05	0 T	0.00 0.05
G -E	0.05	0 T	0.00 0.05
E -D	0.03	0 T	0.00 0.03
Webs			
F -B	0.01	113 T	
G -H	0.02	210 C	
E -C	0.01	113 T	

TL Defl 0.00" in F -G L/999
LL Defl 0.00" in F -G L/999
Shear // Grain in B -H 0.13

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65
B	LOCK	4.0x 4.0	Ctr	Ctr	0.65
H	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	4.0x 4.0	Ctr	Ctr	0.65
D	LOCK	2.0x 4.0	Ctr	Ctr	0.65
F	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

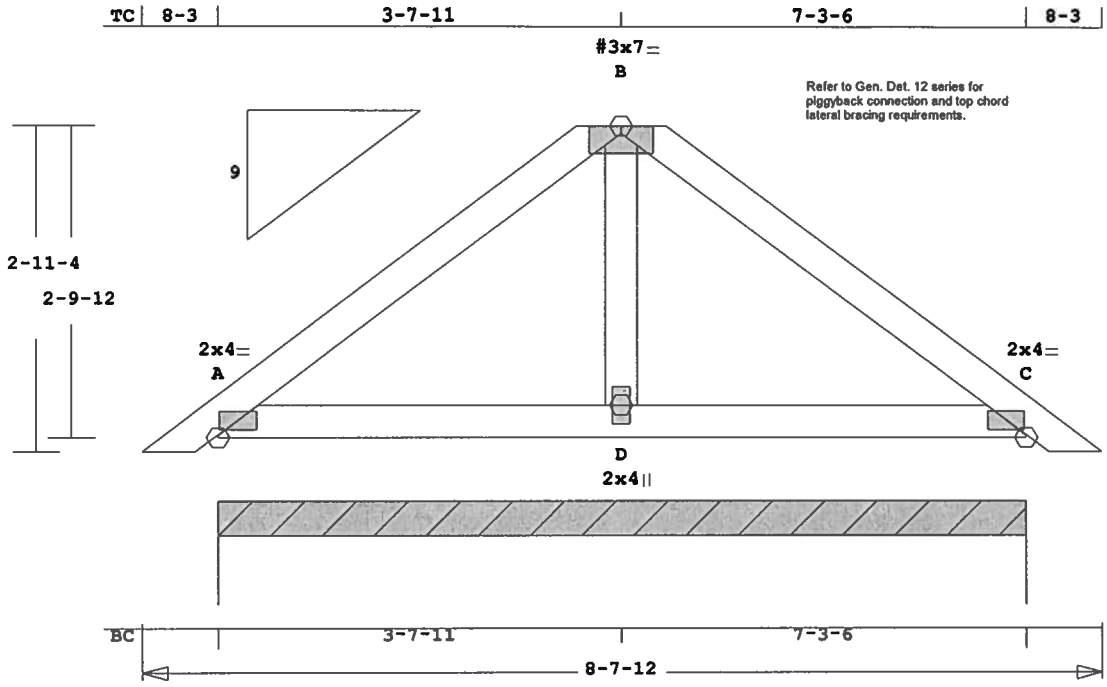
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 210 Lbs
Max tens. force 196 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P4	1	TR	80712	9	8- 3	8- 3	T2553485

MILLER RESIDENCE



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.576" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 38.1 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.08	2x 4	SP-#2
BC	0.08	2x 4	SP-#2
WB	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 7-12
BC	Cont.	0- 0- 0	8- 7-12

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	608	82 U	52 R

Jt	Brg Size	Required
A	87.4"	0"-to- 87"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.08	222 C	0.00	0.08
B -C	0.08	222 C	0.00	0.08
--------Bottom Chords---------				
A -D	0.08	1 T	0.00	0.08
D -C	0.08	1 T	0.00	0.08

----------Webs----------

D -B	0.01	93 T	

TL Defl -0.01" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.09

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.62
B#	LOCK	3.0x 7.0	Ctr	-0.8	0.47
C	LOCK	2.0x 4.0	Ctr	Ctr	0.62
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

= Plate Monitor used

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:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

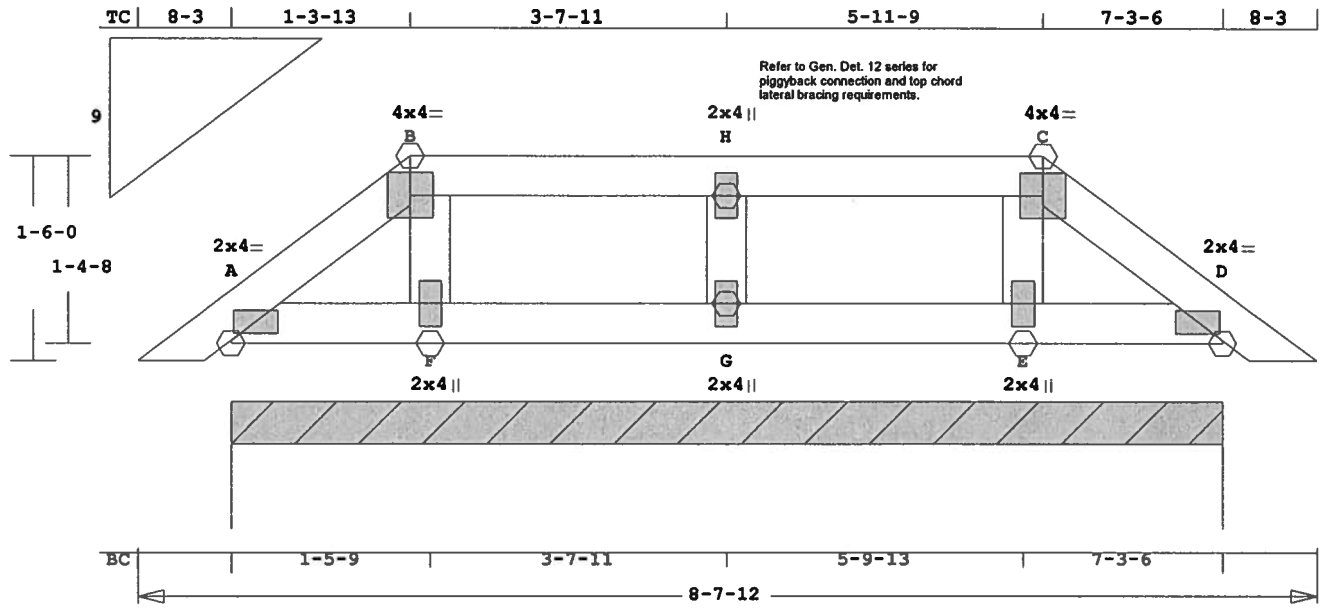
Refer to Gen Det 3 series for web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 222 Lbs
Max tens. force 174 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P5	1	HIPP	80712	9	8- 3	8- 3	T2553486

MILLER RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 36.5 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.05	2x 4	SP-#2
BC	0.02	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 7-12
BC	Cont.	0- 0- 0	8- 7-12

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	608	82 U	19 R

Jt	Brg Size	Required
A	87.4"	0"-to- 87"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.00	41 C		
B -H	0.05	48 T	0.00	0.05
H -C	0.05	48 T	0.00	0.05
C -D	0.00	41 C		
--------Bottom Chords---------				
A -F	0.01	0 T	0.00	0.01
F -G	0.02	0 T	0.00	0.02
G -E	0.02	0 T	0.00	0.02
E -D	0.01	0 T	0.00	0.01
------------Webs------------				
F -B	0.01	91 T		
G -H	0.02	171 T		
E -C	0.01	91 T		

TL Defl 0.00" in F -G L/999
LL Defl 0.00" in F -G L/999
Shear // Grain in B -H 0.09

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.62
B	LOCK	4.0x 4.0	Ctr	Ctr	0.62
H	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	4.0x 4.0	Ctr	Ctr	0.62
D	LOCK	2.0x 4.0	Ctr	Ctr	0.62
F	LOCK	2.0x 4.0	Ctr	Ctr	0.38
G	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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:
FBC2004
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 7-02

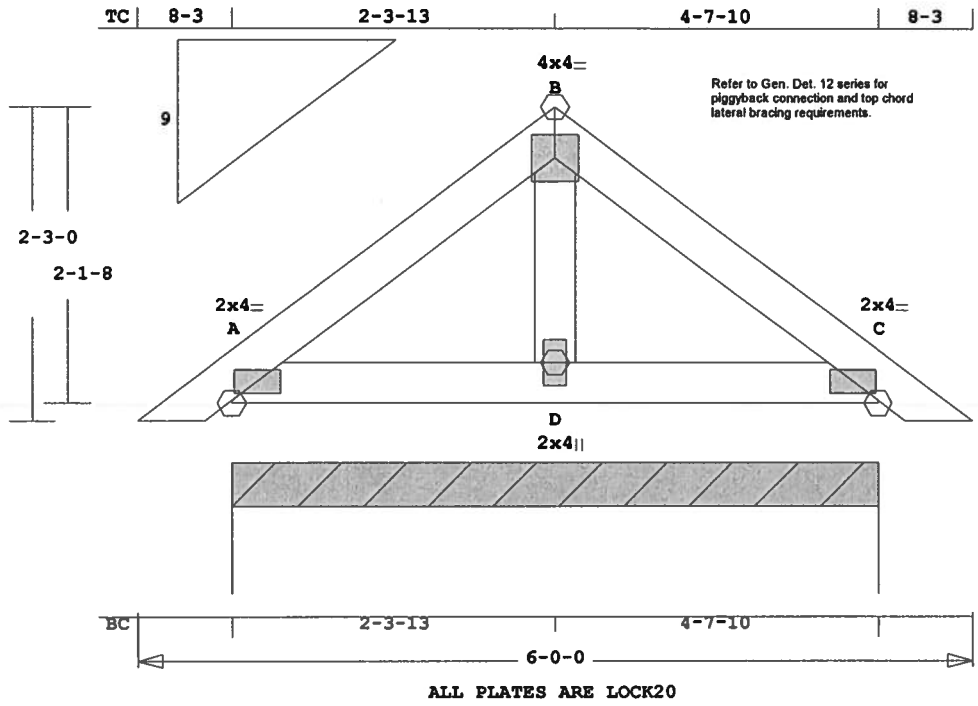
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 147 Lbs
Max tens. force 171 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P6	9	TR	60000	9	8- 3	8- 3	T2553487

MILLER RESIDENCE



Scale: 0.725" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 25.7 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.03	2x 4	SP-#2
BC	0.02	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	6- 0- 0
BC	Cont.	0- 0- 0	6- 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	396	54 U	34 R

Jt	Brg Size	Required
A	55.6"	0"-to- 56"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -B	0.03	87 C	0.00 0.03
B -C	0.03	87 C	0.00 0.03
Bottom Chords			
A -D	0.02	1 T	0.00 0.02
D -C	0.02	1 T	0.00 0.02

Webs

D -B 0.00 29 C

TL Defl 0.00" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -B 0.05

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.58
B	LOCK	4.0x 4.0	Ctr	Ctr	0.41
C	LOCK	2.0x 4.0	Ctr	Ctr	0.58
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

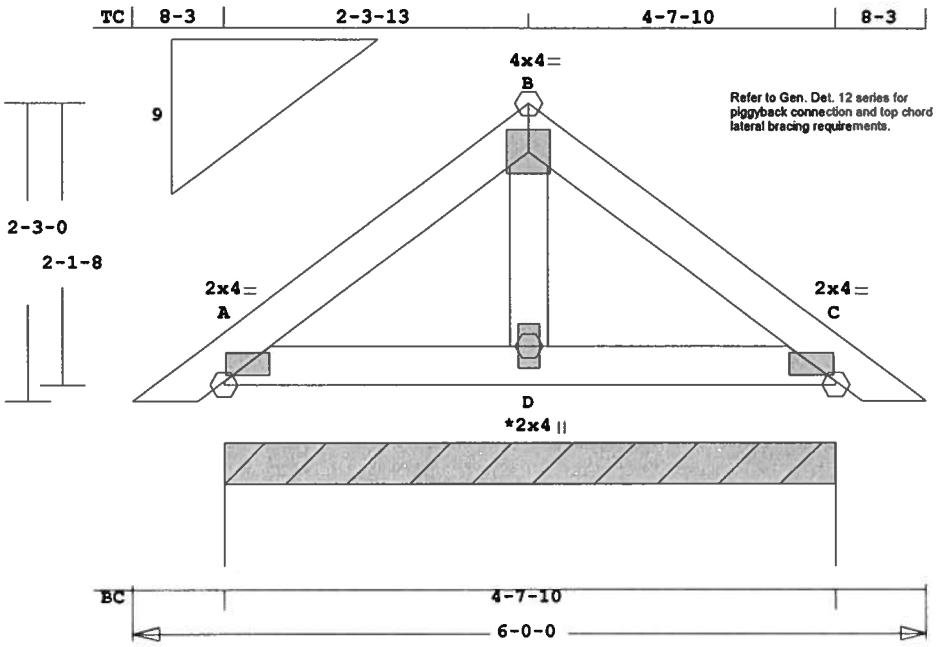
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 87 Lbs
Max tens. force 71 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	*P7*	1*2P	TR	60000	9	8- 3	8- 3	*T2553488*

MILLER RESIDENCE



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.688" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 25.7 LBS

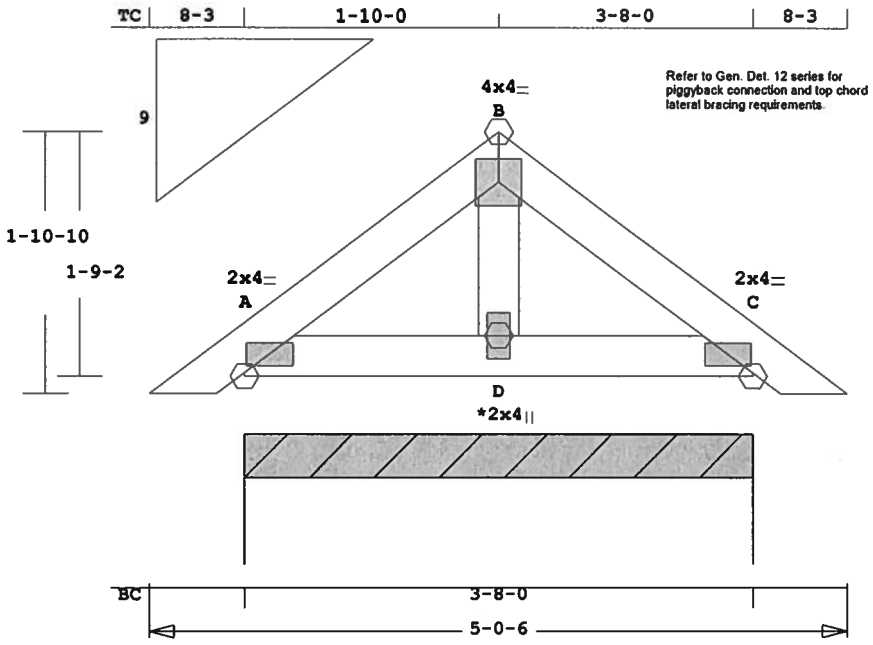
```
Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07
***************
* 2-Ply Truss *
***************

     CSI -Size- ----Lumber----
TC  0.02  2x 4  SP-#2
BC  0.02  2x 4  SP-#2
GW  0.00  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC   24.0"    0- 0- 0   6- 0- 0
 BC   24.0"    0- 0- 0   6- 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  36.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.00  Fc=1.00  Ft=1.00
BC Fb=1.00  Fc=1.00  Ft=1.00

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A    594    81 U    51 R

Jt   Brg Size   Required
A      55.6"     0"-to-  56"

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

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -B  0.02   131 C  0.00  0.02
B -C  0.02   131 C  0.00  0.02
--------Bottom Chords---------
A -D  0.02     1 T  0.00  0.02
D -C  0.02     1 T  0.00  0.02
----------Gable Webs----------
D -B  0.00    43 C

TL Defl   0.00" in D -C  L/999
LL Defl   0.00" in D -C  L/999
Shear // Grain  in A -B   0.04

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS  20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  LOCK  2.0x 4.0 Ctr Ctr 0.58
B  LOCK  4.0x 4.0 Ctr Ctr 0.41
C  LOCK  2.0x 4.0 Ctr Ctr 0.58
D  LOCK  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:
  FBC2004
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
  pattern.  (1/2" bolts -OR-
  SDS3   screws -OR- 10d nails
  as each layer is applied.)
          ----Spacing (In)----
    Rows  Nails  Screws  Bolts
TC   1     12     24       0
BC   1     12     24       0
WB   1      8      8

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 7-02
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          110 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      131 Lbs
Max tens. force      107 Lbs
Quality Control Factor 1.25
```

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P8	2	TR	50006	9	8- 3	8- 3	T2553489

MILLER RESIDENCE



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.722" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.9 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

	CSI	-Size-	----Lumber----
TC	0.01	2x 4	SP-#2
BC	0.01	2x 4	SP-#2
GW	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 0- 6
BC	Cont.	0- 0- 0	5- 0- 6

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	318	43 U	26 R

Jt	Brg Size	Required
A	44.0"	0"-to- 44"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.01	59 C	0.00 0.01
B -C	0.01	59 C	0.00 0.01
--------Bottom Chords---------			
A -D	0.01	0 T	0.00 0.01
D -C	0.01	0 T	0.00 0.01

----------Gable Webs----------
D -B 0.00 32 C

TL Defl 0.00" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.04

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.58
B	LOCK	4.0x 4.0	Ctr	Ctr	0.41
C	LOCK	2.0x 4.0	Ctr	Ctr	0.58
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00

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

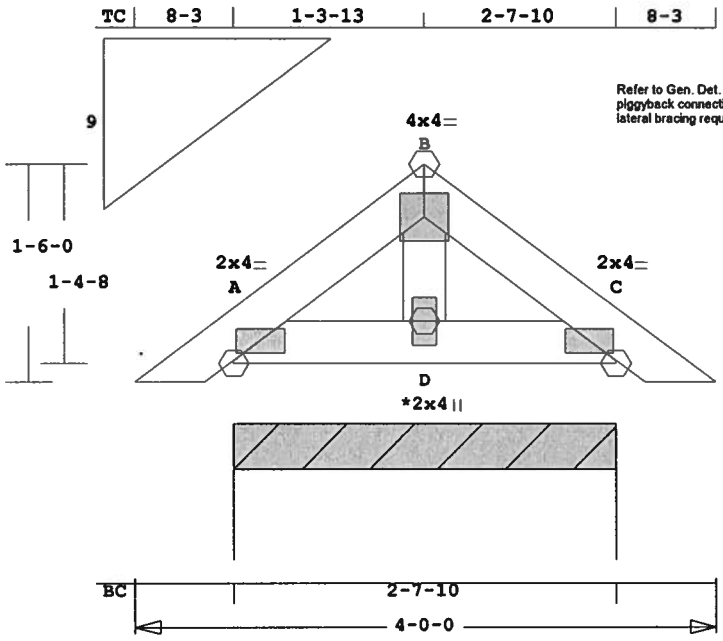
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 59 Lbs
Max tens. force 49 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P9	9	TR	40000	9	8- 3	8- 3	T2553490

MILLER RESIDENCE



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.756" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 15.8 LBS

Online Plus -- Version 21.0.031
RUN DATE: 22-MAY-07

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

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 0- 0
BC	Cont.	0- 0- 0	4- 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	236	32 U	18 R

Jt	Brg Size	Required
A	31.6"	0"-to- 32"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	35 C	
B -C	0.00	35 C	
--------Bottom Chords---------			
A -D	0.00	0 T	
D -C	0.00	0 T	

----------Gable Webs----------

D -B	0.00	29 C	

TL Defl 0.00" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.02

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.58
B	LOCK	4.0x 4.0	Ctr	Ctr	0.41
C	LOCK	2.0x 4.0	Ctr	Ctr	0.58
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00

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

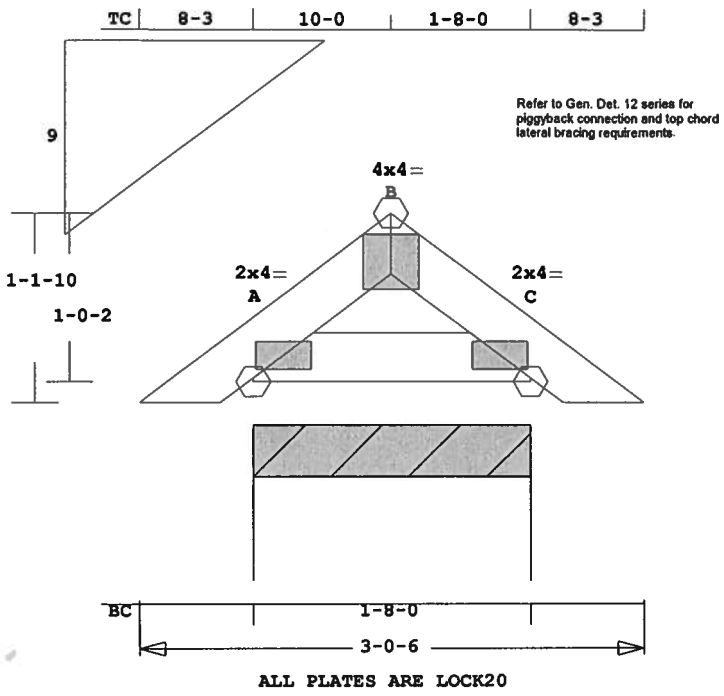
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 35 Lbs
Max tens. force 29 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HARPE-MILLER	P10	1	TR	30006	9	8- 3	8- 3	T2553491

MILLER RESIDENCE



Scale: 0.865" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 10.3 LBS

Online Plus -- Version 21.0.030
RUN DATE: 23-MAY-07

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

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	3- 0- 6
BC	Cont.	0- 0- 0	3- 0- 6

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	158	22 U	10 R

Jt	Brg Size	Required
A	20.0"	0"-to- 20"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	33 C	
B -C	0.00	33 C	
--------Bottom Chords---------			
A -C	0.00	1 T	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.02

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORTS: SBCCI 9761
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.58
B	LOCK	4.0x 4.0	Ctr	-1.3	0.33
C	LOCK	2.0x 4.0	Ctr	Ctr	0.58

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:
FBC2004
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 7-02
Truss is designed as Components and Claddings* for Exterior zone location.

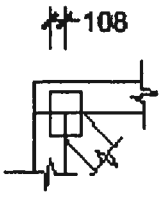
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 33 Lbs
Max tens. force 23 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 23,2007

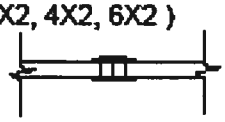
ROBBINS ENG. GENERAL NOTES & SYMBOLS

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.

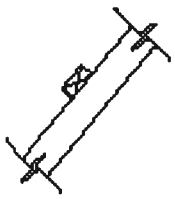
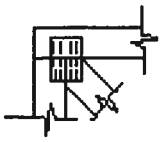


PLATE SIZE AND ORIENTATION

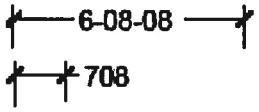
3x5 ||

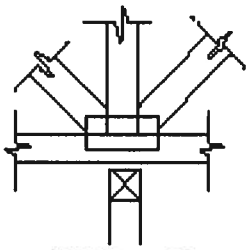


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	THERMA-TRU	FRONT & REAR DOOR	FL 1170
B. SLIDING			
C. SECTIONAL/ROLL UP	REGAL	GARAGE	FL1945.3
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	LENCO		
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	ELK		FL 1476-R2
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Claude Hamp
APPLICANT SIGNATURE

DATE

R-1305 01-04

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING 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 SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. *The following information must be shown as per section 1603.1.4 FBC* a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
☑	☐	**Elevations including:** a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

☐ ☐ d) Location, size and height above roof of chimneys.
☐ ☐ e) Location and size of skylights
☑ ☐ f) Building height
☑ ☐ e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.
☑ ☐ b) Shear walls identified.
☐ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
☑ ☐ d) Show safety glazing of glass, where required by code.
☑ ☐ e) Identify egress windows in bedrooms, and size.
☐ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
☐ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☐ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☑ ☐ b) All posts and/or column footing including size and reinforcing
☐ ☐ c) Any special support required by soil analysis such as piling
☐ ☐ d) Location of any vertical steel.

Roof System:

☑ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☑ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☑ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. *All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.*
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☑ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☐ **Private Potable Water**

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **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.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** **If the project is to be located within the city limits of the Town of Fort White,** prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **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 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 8.8 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 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$50.00**

6. **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. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

Short Form
Entire House
Bounds Heating & Air

Job: Miller Residence
Date: 11-16-06
By: Michael C.

P.O BOX 1617, Newberry, FL 32669 Phone: (352)472-2761 Fax: (352) 472-1809

Project Information

For: Harpe Const.

Design Information

	Htg	Clg
Outside db (°F)	*31*	*93*
Inside db (°F)	68	75
Design TD (°F)	37	18
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	50

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

HEATING EQUIPMENT

Make	Carrier
Trade	Base 13 Puron HP
Model	25HBA342A30

Efficiency	7.4 HSPF	
Heating input		
Heating output	40500	Btuh @ 47°F
Temperature rise	29	°F
Actual air flow	1283	cfm
Air flow factor	0.031	cfm/Btuh
Static pressure	1.00	in H2O
Space thermostat		

COOLING EQUIPMENT

Make	Carrier
Trade	Base 13 Puron HP
Cond	25HBA342A30
Coil	CD5AC048+58MVB080-14+PURON-TXV
Efficiency	13.2 SEER

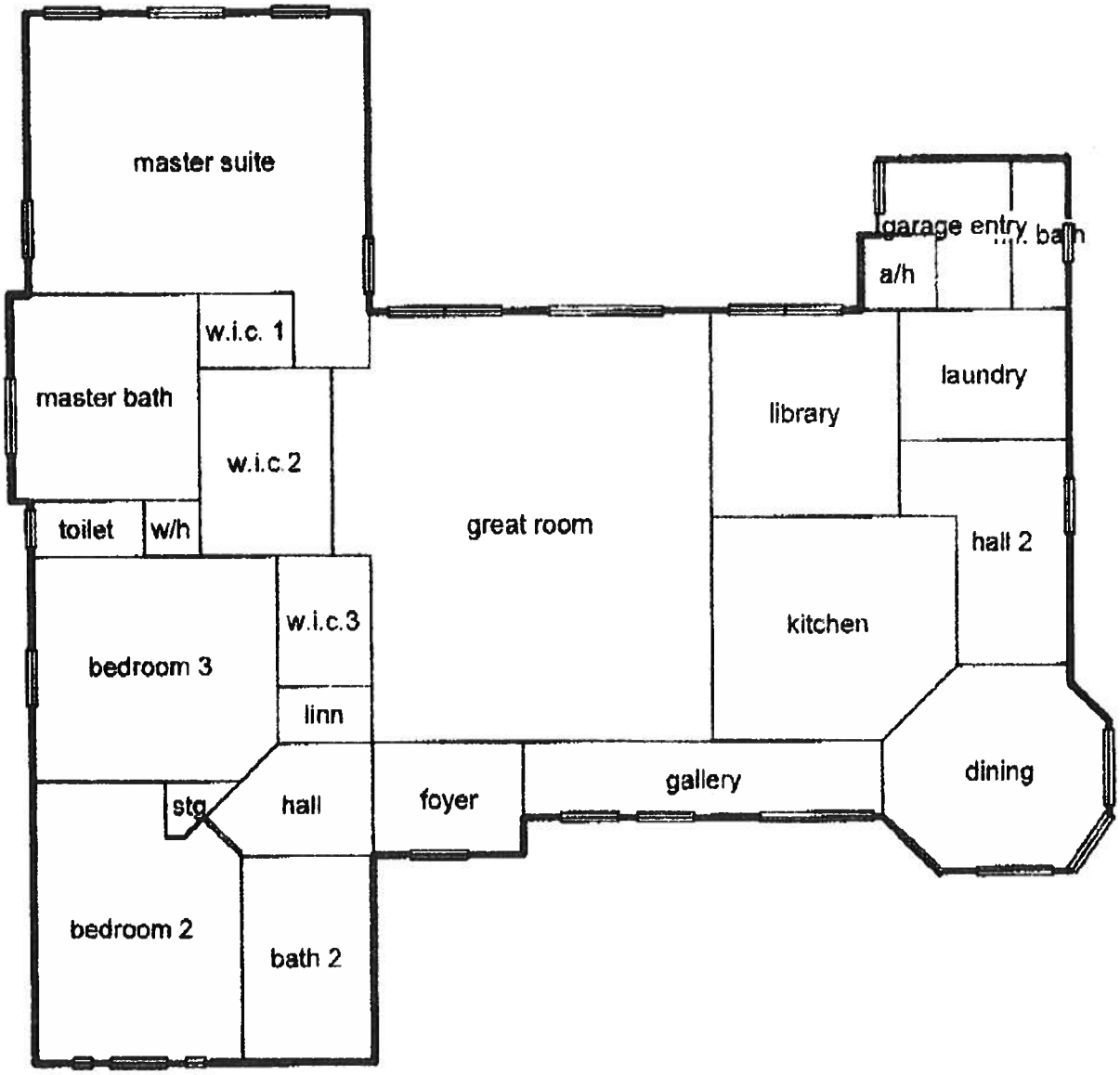
Sensible cooling	26950	Btuh
Latent cooling	11550	Btuh
Total cooling	38500	Btuh
Actual air flow	1283	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	1.00	in H2O
Load sensible heat ratio	0.86	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
master suite	286	7168	4008	223	181
master bath	110	1770	1624	55	73
w/h	9	0	0	0	0
toilet	18	468	549	15	25
w.i.c. 1	20	24	31	1	1
w.i.c.2	70	86	111	3	5
bedroom 3	154	1709	1811	53	82
w.i.c.3	35	47	61	1	3
linn	15	0	0	0	0
stg	8	0	0	0	0
bedroom 2	164	3259	1446	101	65
bath 2	77	1719	375	53	17
hall	44	60	77	2	3
foyer	48	1572	728	49	33
gallery	76	6230	2288	162	103
great room	434	5566	4969	173	225
library	110	1977	1205	61	55

Bold/Italic values have been manually overridden

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

Sheet 1



Job #: Miller Residence **Performed by Michael C. for:** Harpe Const.	**Bounds Heating & Air** P.O. BOX 1617 Newberry, FL 32669 Phone: (352)472-2761 Fax: (352) 472-1809	Scale: 1 : 104 Page 1 Comfort Builder by Wrightsoft 6.0.55 R&RCAR41556 2006-Nov-15 10:40:40 C:\Documents and Settings\Bryan Bo...

kitchen	148	175	227	5	10
dining	113	4794	5300	149	240
hall 2	84	1773	1958	55	88
laundry	63	793	214	25	10
h.f. bath	24	1186	836	37	29
garage entry	44	1906	754	59	34
a/h	19	0	0	0	0
Entire House	2159	41291	28359	1283	1283
Other equip loads		4224	2855		
Equip. @ 0.96 RSM			29818		
Latent cooling			4889		
TOTALS	2159	45515	34704	1283	1283

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	335	401	0.100	401	10	16 x 6	RectFbg	
st2	Peak AVF	968	982	0.100	982	14	16 x 10	RectFbg	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Shutt/Joist Opening (in)	Duct Mat'l	Trunk
rt1	Ord	1283	1283	93.0	0.650	398	23	18x 29		UnPx	rt1

Return Trunk Data Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
rt1	Peak AVF	1283	1283	0.050	449	22	16 x 23	RectFbg	

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 18-6S-17-09696-101 **Building permit No.** 000025926

Use Classification SFD,UTILITY **Fire:** 85.47

Permit Holder CLAUDE HARPE **Waste:** 117.25

Owner of Building BUDDY MILLER **Total:** 202.72

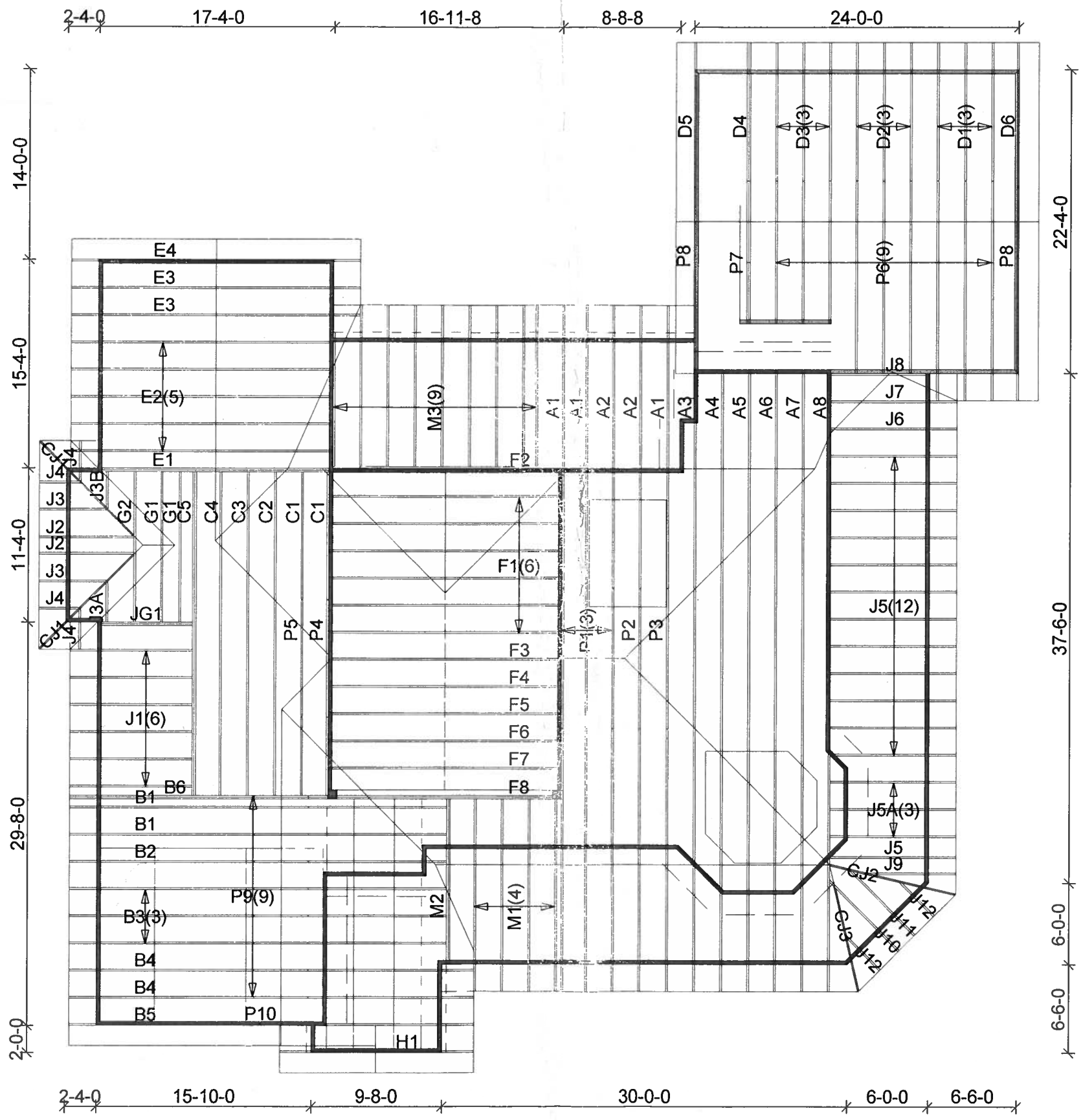
Location: 230 SW SUNFLOWER CT., FT. WHITE, FL

Date: 03/05/2008

John Kence

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



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

HARPE CONSTRUCTION

MILLER RESIDENCE

110 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

Account: CONTRACTORS
Job: HARPE-MILLER
Designer: M.MURRAY
Checker: M.MURRAY
Date: 05-24-07