

DATE04/20/2006

Columbia County Building Permit

PERMIT000024405

This Permit Expires One Year From the Date of Issue

APPLICANTCLARK HILLAKERPHONE352-472-9204

ADDRESSPO BOX 905NEWBERRYFL32669

OWNERNANCY BOONEPHONE386-454-4125

ADDRESS599SW TRULUCK TERRFORT WHITEFL32038

CONTRACTORTIMBROOK COSTRUCTIONPHONE352-472-9292

LOCATION OF PROPERTY47 S, L 138, R TRULUCK (OR STRAIGHT OFF TE 90 DEGREE CURVE) THEN 3/10 OF A MILE ON THE LEFT

TYPE DEVELOPMENTSFD, UTILITYESTIMATED COST OF CONSTRUCTION138250.00

HEATED FLOOR AREAT2765.00TOTAL AREAT3992.00HEIGHTT21.60STORIEST1

FOUNDATIONCONCRETEWALLSFRAMEDROOF PITCH6/12FLOORSLAB

LAND USE & ZONINGAG-3MAX. HEIGHT35

Minimum Set Back Requirments:STREET-FRONT30.00REAR25.00SIDE25.00

NO. EX.D.U.T0FLOOD ZONEXDEVELOPMENT PERMIT NO.

PARCEL ID26-7S-16-04335-014SUBDIVISION

LOTBLOCKPHASEUNIT0TOTAL ACRES21.25

000001055CRC1236909

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

WAIVER06-0194-NBKJHY

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS:FLOOR ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash3134

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Powerdate/app. byFoundationdate/app. byMonolithicdate/app. by

Under slab rough-in plumbingdate/app. bySlabdate/app. bySheathing/Nailingdate/app. by

Framingdate/app. byRough-in plumbing above slab and below wood floordate/app. by

Electrical rough-indate/app. byHeat & Air Ductdate/app. byPeri. beam (Lintel)date/app. by

Permanent powerdate/app. byC.O. Finaldate/app. byCulvertdate/app. by

M/H tie downs, blocking, electricity and plumbingdate/app. byPooldate/app. by

Reconnectiondate/app. byPump poledate/app. byUtility Poledate/app. by

M/H Poledate/app. byTravel Trailerdater/app. byRe-roofdate/app. by

BUILDING PERMIT FEE \$659.00CERTIFICATION FEE \$19.96SURCHARGE FEE \$19.96

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

FLOOD DEVELOPMENT FEE \$0.00FLOOD ZONE FEE \$25.00CULVERT FEE \$TOTAL FEE773.92

INSPECTORS OFFICECLERKS OFFICE

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 INCONVIENCE, 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.

Columbia County Building Permit Application

Left Message 4-17-06 CH

Revised 9-23-04

For Office Use Only Application # 0602-98 Date Received 2-27/06 By CH Permit # 1055 / 24405
Application Approved by - Zoning Official BLK Date 08.03.06 Plans Examiner OK 5TH Date 4-17-06
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments SEE

Applicants Name Nancy J. Boone Clark Hillaker Phone 352-472-9204
Address 19117 NW 230th ST High Springs, FL 32643
Owners Name Nancy J. Boone Phone 386-454-4125
911 Address 599 SW Truluck Ter Fort White, FL 32038
Contractors Name Timbrook Construction Phone 352-472-9292
Address P.O. Box 905 24929 NW 2nd Ave Newberry, FL 32669
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Thomas Audit - (214-7300) stamp on prints
Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 26-75-16-04335-014 Estimated Cost of Construction \$313,000

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
Driving Directions From corner of 41 + 27 in High Springs go west on Hwy 27 2.3 miles to County Rd. 138 turn left or south 2.2 miles to Truluck Ter turn left 3/10 mile to property on left

Type of Construction Single Family SFD Number of Existing Dwellings on Property 0
Total Acreage 21.25+ Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 190 ✓ Side 303 ✓ Side 150 ✓ Rear 1077 ✓
Total Building Height 21'-6" Number of Stories 1 Heated Floor Area 2765 Roof Pitch 6/12
Porch 480 GARAGE 747 TOTAL 3992

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 COMMENCEMENT 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.

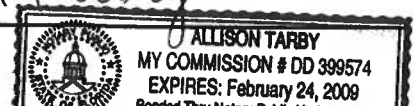
Timbrook Construction
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA Alachua

Sworn to (or affirmed) and subscribed before me
this 23rd day of February 20 06.
Personally known X or Produced Identification _____

K. W. L. L. L. L.
Contractor Signature
Contractors License Number CRC1326909
Competency Card Number _____
NOTARY STAMP/SEAL

Allison Tarby
Notary Signature



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

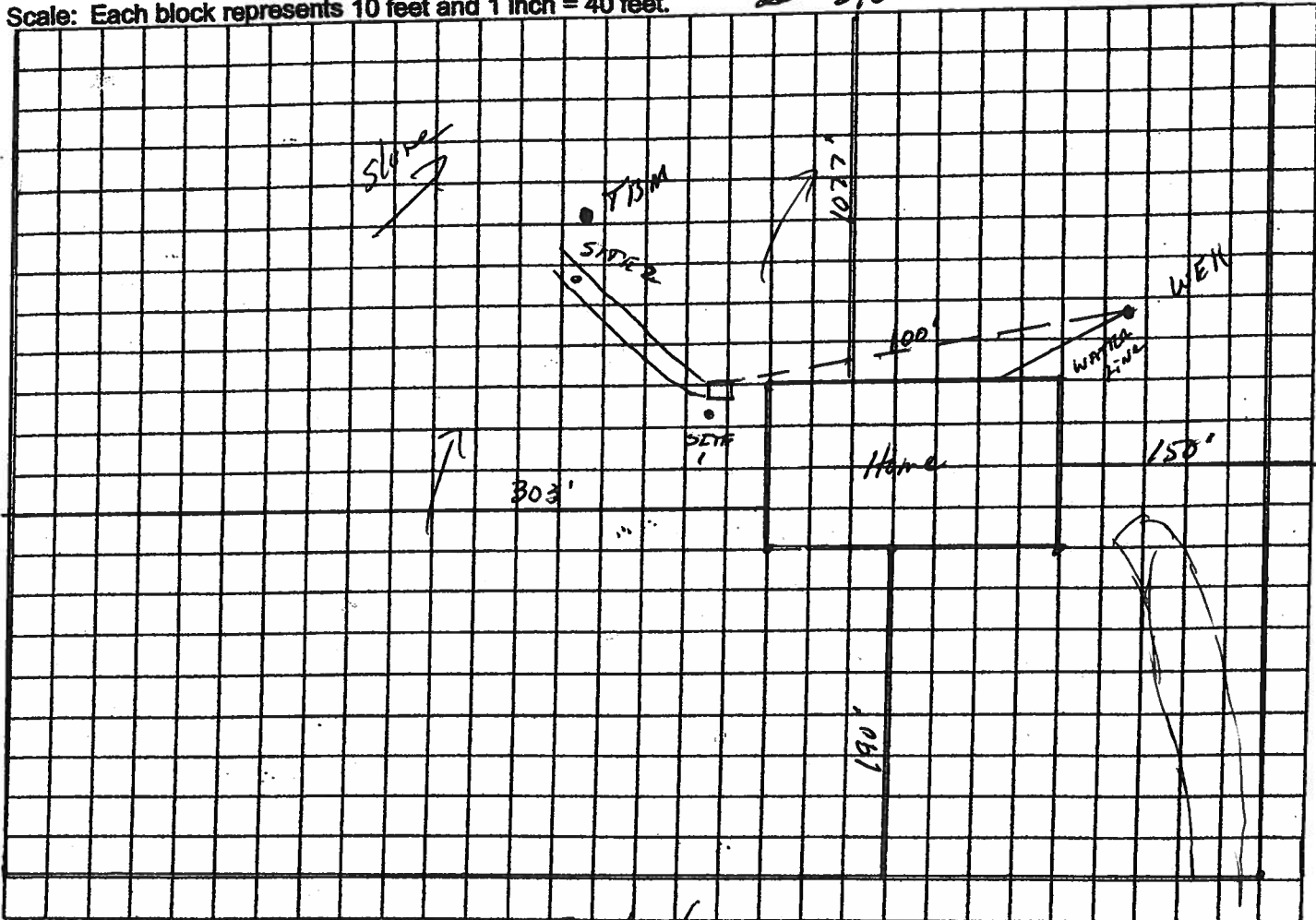
Permit Application Number

06-0194N

PART II - SITEPLAN

Scale: Each block represents 10 feet and 1 inch = 40 feet.

310'



Notes:

1.5 Acres of 21.25 Acres

Site Plan submitted by:

Plan Approved ☒

Not Approved ☐

Date 3/13/06

By

M. J. J.

Columbin

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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 ISSUED: 13 December 2005

ENHANCED 9-1-1 ADDRESS:

599 SW TRULUCK TER (FORT WHITE, FL 32038)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER PARCEL NUMBER: 26-7S-16-04335-014

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

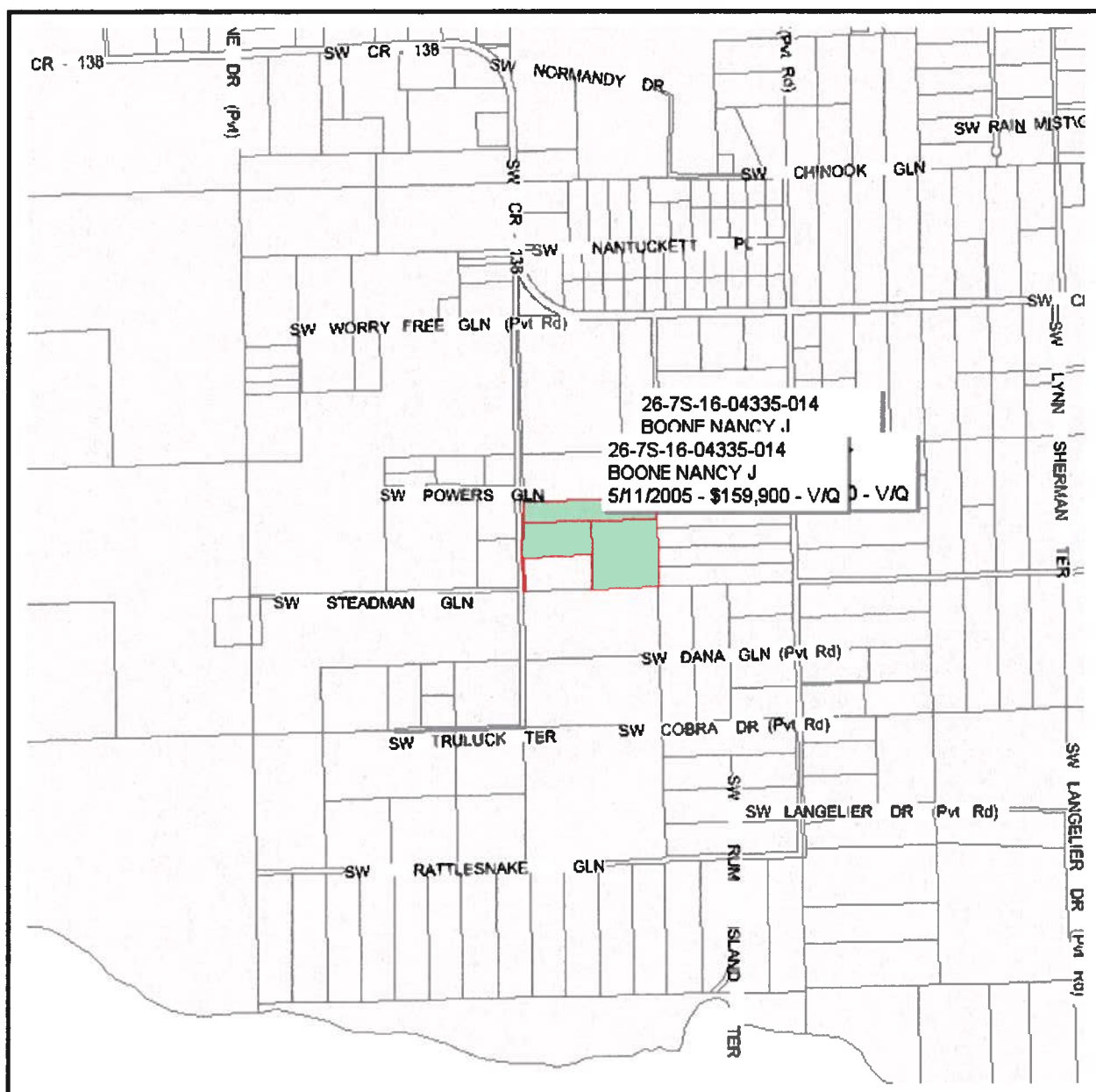
Remarks: _____

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

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

**COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED**



Columbia County Property Appraiser

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

PARCEL: 26-7S-16-04335-014 - NO AG ACRE (009900)

COMM AT SW COR OF NW1/4 OF SE 1/4 OF SEC, RUN N 328.33 FT FOR POB,
CONT N 335.02 FT, E

Name:	BOONE NANCY J	LandVal	\$51,000.00
Site:		BldgVal	\$0.00
Mail:	2183 CARAMBOLA RD	ApprVal	\$51,000.00
	WEST PALM BEACH, FL 33406	JustVal	\$51,000.00
Sales		Assd	\$51,000.00
Info	5/11/2005 \$159,900.00 V / Q	Exmpt	\$0.00
		Taxable	\$51,000.00

0 0.1 0.2 0.3 mi



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

138

ZONE X

26



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 270 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0270 8

EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

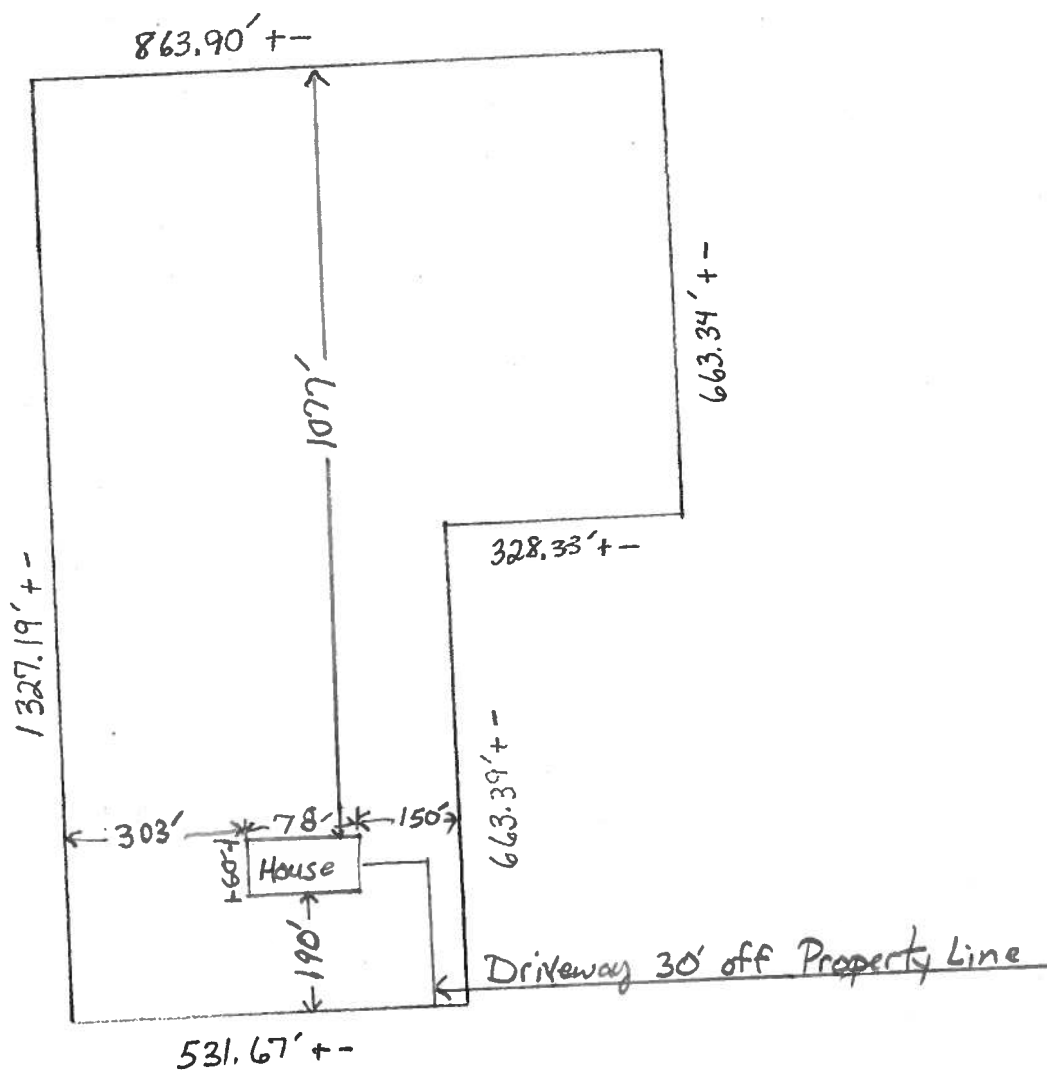
This is an official copy of a portion of the above referenced flood map. It was extracted using FIRM Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifsd.

Nancy J. Boone - Site Address 599 SW Truluck Ter Fort White, FL 32038

Parcel ID # 26-75-16-04335-014

21.25 Acres +-

Proposed Site Plan



Truluck Terr

This Document Prepared By and Return to:
Darryl J. Tompkins, Esquire
Darryl J. Tompkins, P.A.
P.O. Box 519
14420 NW 151st Blvd. 32615
Alachua, Florida 32616

Inst:2005011441 Date:05/16/2005 Time:10:24
Doc Stamp-Deed : 1119.30
YMK DC, P. Dewitt Cason, Columbia County B:1046 P:466

Parcel ID Number: 26-7s-16-04335-000

Warranty Deed

This Indenture, Made this 11th day of May, 2005 A.D., Between
G.W. Guynn, a married man, of the County of Columbia, State of Florida, grantor, and
Nancy J. Boone, of the County of Columbia, State of FL, grantee.
whose address is: 2183 Carambola Rd., West Palm Beach, FL

Witnesseth that the GRANTOR, for and in consideration of the sum of TEN DOLLARS (\$10) DOLLARS,
and other good and valuable consideration to GRANTOR in hand paid by GRANTEE, the receipt whereof is hereby acknowledged, has
granted, bargained and sold to the said GRANTEE and GRANTEE'S heirs, successors and assigns forever, the following described land, situate,
lying and being in the County of Columbia State of Florida to wit:
SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

Subject to the following:

- A. Zoning restrictions, prohibitions, and other requirements imposed by governmental authority;
- B. Restrictions and matters appearing on the plat and/or common to the subdivision;
- C. Taxes for the year 2005 and subsequent years.

The land described herein is not the homestead of the grantor(s), and neither the grantor(s) nor the grantor(s) spouse, nor anyone for whose support the grantor(s) is responsible, resides on or adjacent to said land.

and the grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

In Witness Whereof, the grantor has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Mahe Pendergast
Printed Name: Mahe Pendergast
Witness

Rebecca Buda
Printed Name: Rebecca Buda
Witness

G.W. Guynn (Seal)
G.W. Guynn
P.O. Address: 369 SW Guynn Ct., Fort White, FL 32038

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 11th day of May, 2005 by
G.W. Guynn

who are personally known to me or who have produced their Florida driver's license as identification.



Mahe Pendergast
My Commission D0248314
Expires September 09 2007

Mahe Pendergast
Printed Name: Mahe Pendergast
Notary Public
My Commission Expires

EXHIBIT "A"

PARCEL A:

COMMENCE AT THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN NORTH 00°25'36" WEST ALONG THE WEST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 26 A DISTANCE OF 328.33 FEET TO THE POINT OF BEGINNING; THENCE NORTH 00°26'32" WEST ALONG SAID WEST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 335.02 FEET; THENCE NORTH 89°13'49" EAST ALONG THE NORTH LINE OF THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 663.53 FEET; THENCE SOUTH 00°26'03" EAST A DISTANCE OF 336.00 FEET; THENCE SOUTH 89°18'51" WEST A DISTANCE OF 663.39 FEET TO THE POINT OF BEGINNING.

SUBJECT TO A 30 FOOT EASEMENT FOR INGRESS AND EGRESS PURPOSES ACROSS THE SOUTH 30 FEET THEREOF.

PARCEL B:

COMMENCE AT THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN NORTH 00°25'36" WEST ALONG THE WEST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 26 A DISTANCE OF 328.33 FEET; THENCE NORTH 89°18'51" EAST A DISTANCE OF 663.39 FEET TO THE POINT OF BEGINNING; THENCE NORTH 00°26'03" WEST A DISTANCE OF 336.00 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26; THENCE NORTH 89°13'49" EAST ALONG SAID NORTH LINE OF THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 663.53 FEET TO A POINT ON THE EAST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26; THENCE SOUTH 00°24'21" EAST ALONG SAID EAST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 665.30 FEET TO THE SOUTHEAST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26; THENCE SOUTH 89°18'51" WEST ALONG THE SOUTH LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 663.34 FEET; THENCE NORTH 00°25'05" WEST A DISTANCE OF 328.33 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH A 30 FOOT EASEMENT FOR INGRESS AND EGRESS PURPOSES LYING 30 FEET NORTH OF AND ADJACENT TO THE FOLLOWING DESCRIBED LINE:

COMMENCE AT THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN NORTH 00°25'36" WEST ALONG THE WEST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 26 A DISTANCE OF 328.33 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89°18'51" EAST A DISTANCE OF 663.39 FEET TO A POINT DESIGNATED AS POINT A.

SUBJECT TO A 30 FOOT EASEMENT FOR INGRESS AND EGRESS PURPOSES, LYING 30 FEET NORTH OF AND ADJACENT TO THE FOLLOWING DESCRIBED LINE:

BEGIN AT HEREIN DESIGNATED POINT A AND CONTINUE NORTH 89°18'51" EAST A DISTANCE OF 30.00 FEET TO THE TERMINAL POINT OF HEREIN DESCRIBED LINE AND EASEMENT.

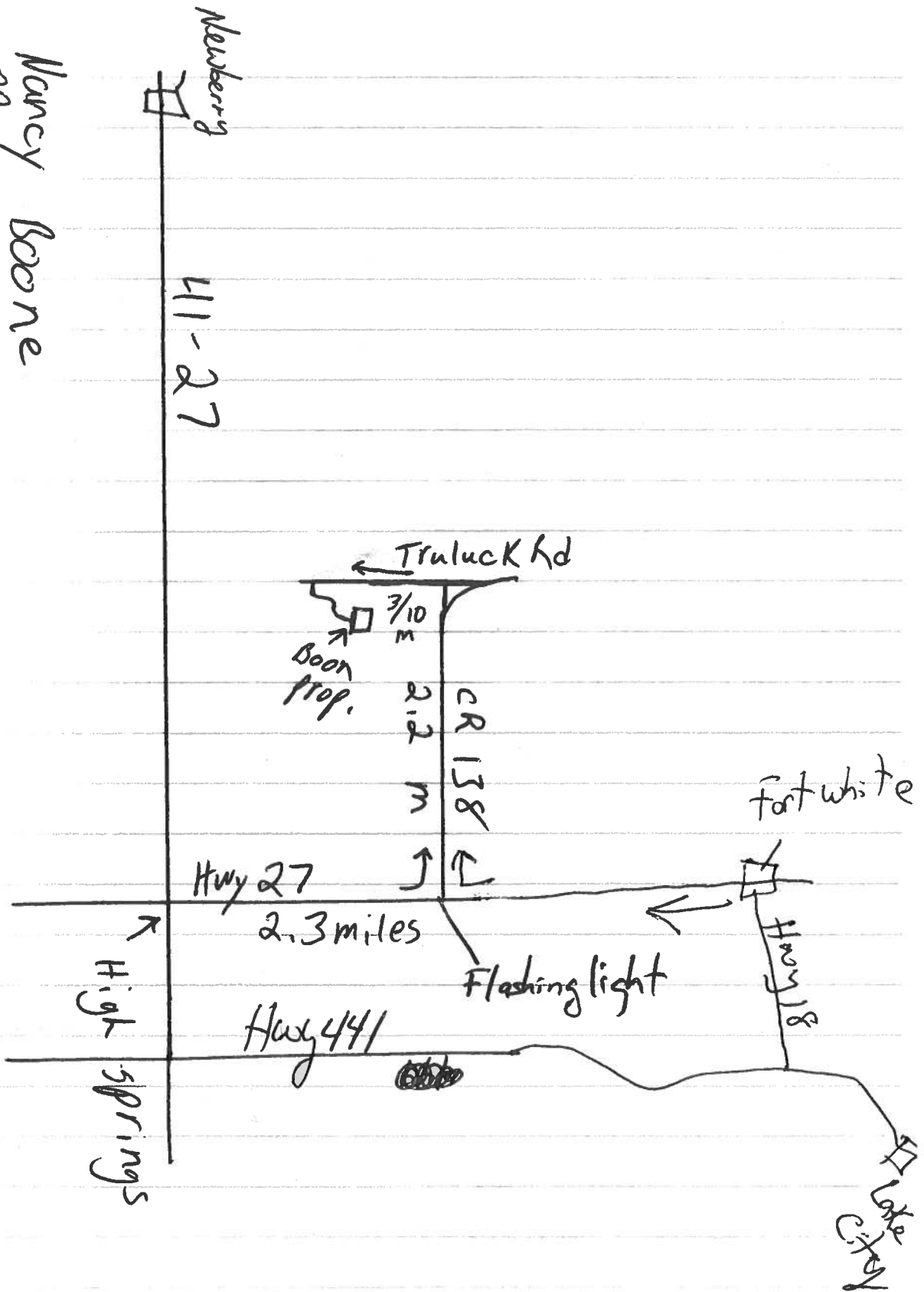
PARCEL C:

COMMENCE AT THE NORTHWEST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN SOUTH 00°26'32" EAST ALONG THE WEST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 466.70 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89°08'46" EAST A DISTANCE OF 1327.19 FEET TO A POINT ON THE EAST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26; THENCE SOUTH 00°24'21" EAST ALONG SAID EAST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 198.60 FEET; THENCE SOUTH 89°13'49" WEST A DISTANCE OF 1327.05 FEET TO A POINT ON THE WEST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26; THENCE NORTH 00°26'32" WEST ALONG SAID WEST LINE OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26 A DISTANCE OF 196.65 FEET TO THE POINT OF BEGINNING.

PARCEL D:

COMMENCE AT THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 26, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN NORTH 00°26'32" WEST ALONG THE EAST LINE OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 A DISTANCE OF 328.33 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 89°18'51" WEST A DISTANCE OF 17 FEET, MORE OR LESS, TO A POINT ON THE EASTERLY MAINTAINED RIGHT-OF-WAY LINE OF TRULUCK ROAD (SW TRULUCK TERRACE); THENCE NORTHERLY ALONG SAID EASTERLY MAINTAINED RIGHT-OF-WAY LINE OF TRULUCK ROAD (SW TRULUCK TERRACE) A DISTANCE OF 179 FEET, MORE OR LESS, TO A POINT ON A PROPERTY LINE; THENCE EASTERLY ALONG SAID PROPERTY LINE A DISTANCE OF 19.2 FEET TO A POINT ON THE EAST LINE OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 26; THENCE SOUTH 00°26'32" EAST ALONG SAID EAST LINE OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 26 A DISTANCE OF 178.78 FEET TO THE POINT OF BEGINNING.

Nancy Boone
599 SW Truluck Rd
Timbrook const.
contact matt, 494-8780
352



NOTICE OF COMMENCEMENT

PERMIT NUMBER: _____

STATE OF: FLORIDA

COUNTY OF: Columbia

CITY OF: Fort White

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

DESCRIPTION OF PROPERTY

LOT: _____ BLOCK: _____ SECTION: 26 TOWNSHIP: 7 RANGE: 16

TAX PARCEL NUMBER: 26-75-16-04335-014

SUBDIVISION: _____

PLATBOOK: _____

MAP PAGE: _____

STREET ADDRESS: 599 SW Truluck Ter Fort White, FL 32038

GENERAL DESCRIPTION OF IMPROVEMENTS

TO CONSTRUCT: Single Family Residence

OWNER INFORMATION

OWNER NAME: Nancy J. Boone

ADDRESS: 19117 NW 230th ST.

PHONE NUMBER: 386-454-4125

CITY: High Springs STATE: FL ZIP CODE: 32643

INTEREST IN PROPERTY: Owner

FEE SIMPLE TITLEHOLDER NAME: _____

FEE SIMPLE TITLEHOLDER ADDRESS: _____

(if other than owner)

CONTRACTOR NAME: Timbrook Construction

ADDRESS: P.O. Box 905 24929 NW 2nd Ave

PHONE NUMBER: 352-472-9292

CITY: Newberry STATE: FL ZIP CODE: 32669

BONDING COMPANY: N/A

ADDRESS: _____

PHONE NUMBER: _____

CITY: _____ STATE: _____ ZIP CODE: _____

LENDER NAME: N/A

ADDRESS: _____

PHONE NUMBER: _____

CITY: _____ STATE: _____ ZIP CODE: _____

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:

NAME: NANCY J. Boone ADDRESS: 19117 NW 230th St, High Springs 32643

In addition to himself, Owner designates N/A

of _____ to receive a copy of Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

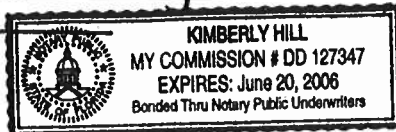
Expiration date is one (1) year from date of recording unless a different date is specified.

SIGNATURE OF OWNER: Nancy J. Boone

SWORN to and subscribed before me this 26 day of January, A.D. 2006.

Notary Public: Kimberly Hill

My commission Expires: June 20, 2006



Inst: 200604811 Date: 02/28/2006 Time: 12:25
J. P. Dewitt Cason, Columbia County B: 1075 P: 1259

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: boone Address: City, State: , Owner: Climate Zone: North	Builder: timbrook const. Permitting Office: Columbia County Permit Number: 24405 Jurisdiction Number: 221000
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1. New construction or existing New ☐ 2. Single family or multi-family Single family ☐ 3. Number of units, if multi-family 1 ☐ 4. Number of Bedrooms 3 ☐ 5. Is this a worst case? Yes ☐ 6. Conditioned floor area (ft²) 2765 ft² ☐ 7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default) <table style="width: 100%;"> <tr> <td style="width: 30%;">a. U-factor:</td> <td style="width: 30%;">Description</td> <td style="width: 40%;">Area</td> </tr> <tr> <td>(or Single or Double DEFAULT)</td> <td>7a. (Dble Default)</td> <td>417.0 ft²</td> </tr> <tr> <td>b. SHGC:</td> <td>7b. (Clear)</td> <td>417.0 ft²</td> </tr> <tr> <td>(or Clear or Tint DEFAULT)</td> <td></td> <td></td> </tr> </table> 8. Floor types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Slab-On-Grade Edge Insulation</td> <td style="width: 30%;">R=4.0, 298.0(p) ft</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> </table> 9. Wall types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Concrete, Int Insul, Exterior</td> <td style="width: 30%;">R=30.0, 1558.0 ft²</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. Frame, Wood, Adjacent</td> <td>R=13.0, 196.0 ft²</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>d. N/A</td> <td></td> <td></td> </tr> <tr> <td>e. N/A</td> <td></td> <td></td> </tr> </table> 10. Ceiling types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Under Attic</td> <td style="width: 30%;">R=30.0, 2765.0 ft²</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. Under Attic</td> <td>R=19.0, 288.0 ft²</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> </table> 11. Ducts <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Sup: Unc. Ret: Unc. AH: Interior</td> <td style="width: 30%;">Sup. R=6.0, 188.0 ft</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. Sup: Unc. Ret: Unc. AH: Garage</td> <td>Sup. R=6.0, 126.0 ft</td> <td></td> </tr> </table>	a. U-factor:	Description	Area	(or Single or Double DEFAULT)	7a. (Dble Default)	417.0 ft ²	b. SHGC:	7b. (Clear)	417.0 ft ²	(or Clear or Tint DEFAULT)			a. Slab-On-Grade Edge Insulation	R=4.0, 298.0(p) ft		b. N/A			c. N/A			a. Concrete, Int Insul, Exterior	R=30.0, 1558.0 ft ²		b. Frame, Wood, Adjacent	R=13.0, 196.0 ft ²		c. N/A			d. N/A			e. N/A			a. Under Attic	R=30.0, 2765.0 ft ²		b. Under Attic	R=19.0, 288.0 ft ²		c. N/A			a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 188.0 ft		b. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 126.0 ft		12. Cooling systems <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Central Unit</td> <td style="width: 30%;">Cap: 29.3 kBtu/hr</td> <td style="width: 40%;"></td> </tr> <tr> <td></td> <td>SEER: 13.00</td> <td></td> </tr> <tr> <td>b. Central Unit</td> <td>Cap: 21.2 kBtu/hr</td> <td></td> </tr> <tr> <td></td> <td>SEER: 13.00</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> </table> 13. Heating systems <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Electric Heat Pump</td> <td style="width: 30%;">Cap: 35.5 kBtu/hr</td> <td style="width: 40%;"></td> </tr> <tr> <td></td> <td>HSPF: 7.00</td> <td></td> </tr> <tr> <td>b. Electric Heat Pump</td> <td>Cap: 24.3 kBtu/hr</td> <td></td> </tr> <tr> <td></td> <td>HSPF: 7.00</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> </table> 14. Hot water systems <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Electric Resistance</td> <td style="width: 30%;">Cap: 60.0 gallons</td> <td style="width: 40%;"></td> </tr> <tr> <td></td> <td>EF: 0.92</td> <td></td> </tr> <tr> <td>b. Electric Resistance</td> <td>Cap: 60.0 gallons</td> <td></td> </tr> <tr> <td></td> <td>EF: 0.92</td> <td></td> </tr> <tr> <td>c. Conservation credits</td> <td></td> <td></td> </tr> <tr> <td colspan="3">(HR-Heat recovery, Solar DHP-Dedicated heat pump)</td> </tr> </table> 15. HVAC credits <table style="width: 100%;"> <tr> <td style="width: 30%;">(CF-Ceiling fan, CV-Cross ventilation,</td> <td style="width: 30%;"></td> <td style="width: 40%;"></td> </tr> <tr> <td>HF-Whole house fan,</td> <td></td> <td></td> </tr> <tr> <td>PT-Programmable Thermostat,</td> <td></td> <td></td> </tr> <tr> <td>MZ-C-Multizone cooling,</td> <td></td> <td></td> </tr> <tr> <td>MZ-H-Multizone heating)</td> <td></td> <td></td> </tr> </table>	a. Central Unit	Cap: 29.3 kBtu/hr			SEER: 13.00		b. Central Unit	Cap: 21.2 kBtu/hr			SEER: 13.00		c. N/A			a. Electric Heat Pump	Cap: 35.5 kBtu/hr			HSPF: 7.00		b. Electric Heat Pump	Cap: 24.3 kBtu/hr			HSPF: 7.00		c. N/A			a. Electric Resistance	Cap: 60.0 gallons			EF: 0.92		b. Electric Resistance	Cap: 60.0 gallons			EF: 0.92		c. Conservation credits			(HR-Heat recovery, Solar DHP-Dedicated heat pump)			(CF-Ceiling fan, CV-Cross ventilation,			HF-Whole house fan,			PT-Programmable Thermostat,			MZ-C-Multizone cooling,			MZ-H-Multizone heating)		
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Glass/Floor Area: 0.15

Total as-built points: 29979

Total base points: 35334

PASS

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

PREPARED BY: SUNCOAST INSULATIONS
 825 NW 38th Terrace
 Newberry, FL 32560
 (904) 472-0900
DATE: 1-16-06

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 X BSPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt		Area X SPM X SOF = Points				
.18	2765.0	20.04	9973.9	Double, Clear	SE	2.0	6.0	102.0	42.75	0.80	3499.6
				Double, Clear	NE	2.0	6.0	115.0	29.56	0.86	2934.2
				Double, Clear	SW	2.0	6.0	70.0	40.16	0.80	2262.8
				Double, Clear	NW	2.0	6.0	130.0	25.97	0.87	2951.6
				As-Built Total:				417.0	11648.2		
WALL TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Adjacent	196.0	0.70	137.2	Concrete, Int Insul, Exterior		30.0	1558.0	0.10		155.8	
Exterior	1558.0	1.70	2648.6	Frame, Wood, Adjacent		13.0	196.0	0.60		117.6	
Base Total:		1754.0	2785.8	As-Built Total:		1754.0		273.4			
DOOR TYPES				Area X BSPM = Points		Type	Area X SPM = Points				
Adjacent	20.0	2.40	48.0	Exterior Insulated		20.0		4.10		82.0	
Exterior	20.0	6.10	122.0	Adjacent Insulated		20.0		1.60		32.0	
Base Total:		40.0	170.0	As-Built Total:		40.0		114.0			
CEILING TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM X SCM = Points			
Under Attic	2765.0	1.73	4783.5	Under Attic		30.0	2765.0	1.73 X 1.00		4783.5	
				Under Attic		19.0	288.0	2.34 X 1.00		673.9	
Base Total:		2765.0	4783.5	As-Built Total:		3053.0		5457.4			
FLOOR TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Slab	298.0(p)	-37.0	-11026.0	Slab-On-Grade Edge Insulation		4.0	298.0(p)	-36.70		-10936.6	
Raised	0.0	0.00	0.0								
Base Total:		-11026.0		As-Built Total:		298.0		-10936.6			
INFILTRATION				Area X BSPM = Points		Area X SPM = Points					
		2765.0	10.21	28230.7			2765.0		10.21	28230.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 34917.8			Summer As-Built Points: 34787.0					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 29300 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Init(AH),R6.0(INS) 34787 0.58 (1.09 x 1.147 x 0.91) 0.263 1.000 6267.9					
			(sys 2: Central Unit 21200 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 34787 0.42 (1.09 x 1.147 x 1.00) 0.263 1.000 4535.1					
34917.8	0.4266	14895.9	34787.0	1.00	1.183	0.263	1.000	10803.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points					
.18	2765.0	12.74	6340.7	Double, Clear	SE	2.0	6.0	102.0	14.71	1.18	1762.7	
				Double, Clear	NE	2.0	6.0	115.0	23.57	1.01	2744.7	
				Double, Clear	SW	2.0	6.0	70.0	16.74	1.11	1304.1	
				Double, Clear	NW	2.0	6.0	130.0	24.30	1.01	3179.6	
				As-Built Total:				417.0		8991.1		
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points				
Adjacent	196.0	3.60	705.6	Concrete, Int Insul, Exterior		30.0	1558.0	1.30	2025.4			
Exterior	1558.0	3.70	5764.6	Frame, Wood, Adjacent		13.0	196.0	3.30	646.8			
Base Total:		1754.0	6479.2	As-Built Total:			1754.0		2672.2			
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points				
Adjacent	20.0	11.50	230.0	Exterior Insulated			20.0	8.40	168.0			
Exterior	20.0	12.30	246.0	Adjacent Insulated			20.0	8.00	160.0			
Base Total:		40.0	476.0	As-Built Total:			40.0		328.0			
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points				
Under Attic	2765.0	2.05	5668.3	Under Attic		30.0	2765.0	2.05 X 1.00	5668.3			
				Under Attic		19.0	288.0	2.70 X 1.00	777.6			
Base Total:		2765.0	5668.3	As-Built Total:			3053.0		6445.9			
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points				
Slab	298.0(p)	8.9	2652.2	Slab-On-Grade Edge Insulation		4.0	298.0(p)	8.45	2518.1			
Raised	0.0	0.00	0.0									
Base Total:			2652.2	As-Built Total:			298.0		2518.1			
INFILTRATION				Area X BWPM = Points		Area X WPM = Points						
	2765.0	-0.59	-1631.3							2765.0	-0.59	-1631.3

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 19976.0			Winter As-Built Points: 19323.9					
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)					
			(sys 1: Electric Heat Pump 35500 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0 19323.9 0.594 (1.069 x 1.169 x 0.93) 0.487 1.000 6690.8 (sys 2: Electric Heat Pump 24300 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 19323.9 0.406 (1.069 x 1.169 x 1.00) 0.487 1.000 4579.9 19323.9 1.00 1.197 0.487 1.000 11270.6					
19976.0	0.6274	12532.9						

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 X Multiplier X Credit	= Total Multiplier
3		2635.00	7905.0	60.0	0.92	3	0.50	2635.00	1.00 3952.5
				60.0	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
14896		12533		7905 35334	10803		11271		7905 29979

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 circuit 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* = 86.0

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: 29.3 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 21.2 kBtu/hr
5. Is this a worst case?	Yes		SEER: 13.00
6. Conditioned floor area (ft ²)	2765 ft ²	c. N/A	
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: 35.5 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 417.0 ft ²		HSPF: 7.00
b. SHGC:		b. Electric Heat Pump	Cap: 24.3 kBtu/hr
(or Clear or Tint DEFAULT)	7b. (Clear) 417.0 ft ²		HSPF: 7.00
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=4.0, 298.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 60.0 gallons
c. N/A			EF: 0.92
9. Wall types		b. Electric Resistance	Cap: 60.0 gallons
a. Concrete, Int Insul, Exterior	R=30.0, 1558.0 ft ²		EF: 0.92
b. Frame, Wood, Adjacent	R=13.0, 196.0 ft ²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 2765.0 ft ²	HF-Whole house fan,	
b. Under Attic	R=19.0, 288.0 ft ²	PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 188.0 ft		
b. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 126.0 ft		

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 EnergyStarTM 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.
EnergyGauge® (Version: FLRCSB v4.0)

- Attention: Weegie -

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001055**

DATE: 04/20/2006 BUILDING PERMIT NO. 24405

APPLICANT CLARK HILLAKER PHONE 352-472-9292

ADDRESS PO BOX 905 NEWBERRY FL 32669

OWNER NANCT BOONE PHONE 454-4125

ADDRESS 599 SW TRULUCK TERR FORT WHITE FL 32038

CONTRACTOR TIMBROOK CONSTRUCTION PHONE 352-472-9292

LOCATION OF PROPERTY 47 S, L 138, R TRULUCK (OR STRAIGHT OFF TE 90 DEGREE CURVE)
THEN 3/10 OF A MILE ON THE LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

PARCEL ID # 26-7S-16-04335-014

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: *Clark Hillaker*

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

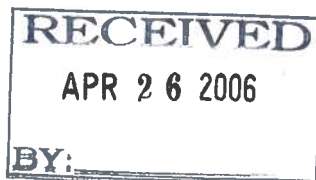
COMMENTS: No Culvert Needed - No Ditches

Along Existing Roadway

SIGNED: _____ DATE: _____

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

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



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**Consultants In: Geotechnical Engineering •
Environmental Sciences • Construction Materials Testing**

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

~~No receipt posted~~
24405

CLIENT: Timbrook Coast.

PROJECT: Boone Res

599 SW Tenlock Terr. Ft. White, FL Columbia County

AREA TESTED: Fill & prop. bldg. Ext. Eaved

COURSE: ELG

DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922

DATE TESTED: 4-11-06

NOTE: The below tests ~~DO/DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS: * Retest *[illegible]TECH. T.G.

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REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

Permit # 000024405

CLIENT: Timbrook Construction

PROJECT: Boone Res

599 S.W. Tenback Terr. Fort White, Fl 32038 Columbia County

AREA TESTED: Fill & prop bldg pad

COURSE: ELG

DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922

DATE TESTED: 5-1-06

NOTE: The below tests ~~DO/DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

[illegible]TECH. T. 6

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Environmental Sciences • Construction Materials Testing**

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

No person posted

24405

CLIENT: Timbrook Const.

PROJECT: Boone Res
599 S.W. Truluck Terr. Ft. White FL, Columbia County

AREA TESTED: Fill & prop. bldg. Found.

COURSE: ELG

DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922

DATE TESTED: 04-6-06

NOTE: The below tests ~~DO~~ DO NOT meet the minimum 95 % compaction requirements of maximum density.

REMARKS: * Retest *

[illegible]

TECH. T.G.

40605

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 116 NW 116 Ave

City Gulf Breeze **Phone** 376-2661

Site Location: Subdivision _____

Lot # _____ **Block #** _____ **Permit #** 4405

Address 599 SW Trulock TER Ft. White

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 3992 _____ 200

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 _____.

5-1-06
Date

1:09
Time

Guy
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



Notice of Treatment 40665

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**

Address: 116 NW 16 AVE

City FTVILLE Phone 376-2661

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 24405

Address 599 TRULUCK TERR H. SPGS

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
<u>PERIMETER</u>	<u> </u>	<u>202.8</u>	<u>41</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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 (BES).

10/27/06 9:16 BILL E.
Date Time Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



COLUMBIA COUNTY OFFICE CALVIN

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 26-7S-16-04335-014

Building permit No. 000024405

Use Classification SFD, UTILITY

Fire: 118.69

Permit Holder TIMBROOK COSTRUCTION

Waste: 184.25

Owner of Building NANCY BOONE

Total: 302.94

Location: 599 SW TRULLUCK TERRACE

Date: 11/02/2006

Nancy Boone
Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

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

0602-98

Reference to: Build permit application Number:

Timbrook Construction Owner Nancy Boone

On the date of March 7, 2006 application 0602-98 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 0602-98 when making reference to this application.

1. 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.
- ✓ 2. The structural design by Mr. Thomas Audit requires that the soil conditions & sub-grade have a load bearing capacity of 2,500 PSF. Therefore please follow the prescribed testing methods to reveal the soil load bearing capacities. Please have a registered professional conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shall be made to a depth of not less than 10 feet (3048 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

- ✓ 3. On the foundation plan show the attachment method of all posts and/or column to the foundation and the attachment method of the P. T. 6" x 6" wood column to the 3 1/2" X 11 7/8" LVL beam.
- ✓ 4. Please show the overcurrent protection, device shall be installed on the exterior of structures to serve as a disconnecting means. 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.

Thank you,

A handwritten signature in black ink, appearing to read "Joe Haltiwanger", written in a cursive style.

Joe Haltiwanger
Plan Examiner
Columbia County Building Department



ENGINEERING SCIENCES

Consultants in: Geotechnical Engineering • Environmental Engineering

Construction Materials Testing • Threshold Inspection • Private Provider Inspection

OFFICES IN
• Clermont, FL
• Daytona Beach, FL
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• Gainesville, FL
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• Orlando, FL
• Palm Coast, FL
• Pensacola, FL
• Rockledge, FL
• Sarasota, FL
• St. Augustine, FL
• Tampa, FL
• West Palm Beach, FL

April 14, 2006

Timbrook Construction
Management, Inc.
P.O. Box 905
Newberry, FL 32669

Reference: Proposed Boone Residence
599 SW Trueluck Terrace
Ft. White, Columbia County, Florida
Project No.: 27000-014-01 Report No.: 47258.1

Dear Gentlemen:

As requested, representatives of Universal Engineering Sciences, Inc. (UES) visited the above referenced site to perform an evaluation of the existing subgrade soils for the proposed residential structure.

Introduction

We understand that you are proposing to construct a typical residential structure at the subject project supported by a monolithic slab and foundation system. At this time you require an evaluation of the existing subgrade soils to determine the existing in-place density of the subgrade soil and soil bearing pressure.

Investigation and Findings

On April 11, 2006, representatives of UES proceeded to the subject project to perform in-place density tests to determine the existing soil density. The results of the testing can be found within UES Report No.: 2511. The test results demonstrated that the existing soil density within the foundational areas meets or exceeds 95% of the results of the soils maximum moisture-density relationship (modified proctor) laboratory test results.

Based upon our observations, the in-place density tests performed, and our understanding of the proposed construction, it is our opinion that the maximum allowable net soil bearing pressure should not exceed 2,500 pounds per square foot (psf). Net bearing pressure is defined as the soil bearing pressure at the base of the foundation in excess of the natural overburden pressure.

Page No. 2
UES Report No.: 27000-014-01
UES Report No.: 47258.1

Conclusions

We appreciate this opportunity to provide service to you on this project. If you should have any questions, or if we can be of further assistance, please contact us.

Sincerely,
UNIVERSAL ENGINEERING SCIENCES, INC.
Certificate of Authorization No. 549



Andrew T. Schmid, P.E.
Branch Manager
Florida P.E. No. 56022

ATS:as (2)



UNIVERSAL

ENGINEERING SCIENCES

Consultant In: Geotechnical Engineering,
Environmental Sciences, Construction Materials Testing
4475 SW 35th Terrace, Gainesville, Florida 32608 (352) 372-3392

Order No.: 27000-014-01

Report No.: 2511

Date: April 17, 2006

REPORT ON IN-PLACE DENSITY TESTS

Client: Timbrook Construction Management, Inc.
P.O. Box 905
Newberry, FL 32669

Project: Boone Residence, 599 SW Trueluck Terrace, Permit Not Posted, Fort White, Columbia County, FL

Area Tested: Fill Beneath Proposed Building Exterior Foundation

Course: Final Grade

Depth of Test: 0-1'

Type of Test: ASTM D-2922

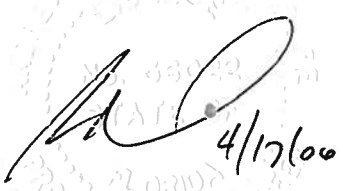
Date Tested: 04-11-06

Remarks: The tests below meet the minimum 95 percent relative soil compaction requirement of Laboratory Modified Proctor maximum dry density (ASTM D-1557).

****RETEST****

TEST LOCATION		LABORATORY RESULTS		FIELD TEST RESULTS		
Description of Test Location		Maximum Density (pcf)	Optimum Moisture (%)	Dry Density (pcf)	Field Moisture (%)	Soil Compaction (%)
1.	Approximate Center of East Exterior Foundation	108.5	12.0	103.7	8.0	95.6
2.	Approximate Center of South Exterior Foundation	108.5	12.0	105.2	9.3	97.0
3.	Approximate Center of North Exterior Foundation	108.5	12.0	104.6	9.1	96.4

Technician: TG/cs


Andrew T. Schmid, P.E.,
FL Professional Engineer No. 56022

**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002**

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**

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

e) Number of stories

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) 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 FI. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 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 104.2.1 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
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 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 (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (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)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 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 (termicide or alternative method)
11. Slab on grade
 - a. Vapor retardant (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

HVAC Information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

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.
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

*Nancy Boone Res.
HVAC Load Calculations*

for

Timbrook Construction Co.
22515 W. Newberry Rd.
Newberry Florida



Prepared By:

Bob McCollum
A+ Air Conditioning & Refrigeration Inc
P.O. Box 358565
Gainesville Florida 32635
(352) 374-4988
Wednesday, January 11, 2006



Project Report

General Project Information

Project Title: Nancy Boone Res.
Designed By: Bob McCollum
Project Date: 1-11-06
Client Name: Timbrook Construction Co.
Client Address: 22515 W. Newberry Rd.
Client City: Newberry Florida
Client Phone: 472-9292
Company Name: A+ Air Conditioning & Refrigeration Inc
Company Representative: Bob McCollum
Company Address: P.O. Box 358565
Company City: Gainesville Florida 32635
Company Phone: (352) 374-4988
Company Fax: (352) 331-0039
Company E-Mail Address: BOBHARV@AOL.COM
Company Website: www.aplusairconditioning.com
Company Comment:

Design Data

Reference City: Gainesville, Florida
Daily Temperature Range: Medium
Latitude: 29 Degrees
Elevation: 152 ft.
Altitude Factor: 0.995
Elevation Sensible Adj. Factor: 1.000
Elevation Total Adj. Factor: 1.000
Elevation Heating Adj. Factor: 1.000
Elevation Heating Adj. Factor: 1.000

	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	31	0	50	72	38
Summer:	93	77	50	75	50

Check Figures

Total Building Supply CFM:	1,871	CFM Per Square ft.:	0.677 *
Square ft. of Room Area:	2,765	Square ft. Per Ton:	624
Volume (ft³) of Cond. Space: (clg.)	22,129	Air Turnover Rate (per hour):	5.1

* Based on area of rooms being heated or cooled (whichever governs system) rather than entire floor area.

Building Loads

Total Heating Required With Outside Air:	59,854 Btuh	59.854 MBH
Total Sensible Gain:	40,939 Btuh	81 %
Total Latent Gain:	9,691 Btuh	19 %
Total Cooling Required With Outside Air:	50,630 Btuh	4.22 Tons (Based On Sensible + Latent)
		4.43 Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.



Load Preview Report

Scope	Area	Sens Gain	Lat Gain	Net Gain	Sens Loss	Win CFM	Sum CFM	Sys CFM	Duct Size
Building: 4.22 Net Tons, 4.43 Recommended Tons, 624 ft.²/Ton, 59.85 MBH Heating									
Building	2,765	40,939	9,691	50,630	59,854	594	1,871	1,871	
System 1: 2.45 Net Tons, 2.54 Recommended Tons, 768 ft.²/Ton, 35.54 MBH Heating									
System 1	1,954	23,495	5,870	29,365	35,538	386	1,074	1,074	14x14
Duct Loads		4,523	961	5,484	5,958				
Zone 1	1,954	18,972	4,909	23,881	29,580	386	1,074	1,074	
1-Master Bedroom	511	6,998	1,854	8,852	11,313	148	396	396	4-6
2-Master Bath/ Closet / Pantry	253	1,192	251	1,443	3,756	49	67	67	1-5
3-Hallway Off Pantry	69	266	96	362	949	12	15	15	1-2
4-Kitchen / Brkfst Nook	274	4,032	825	4,857	0	0	228	228	2-6
5-Dining Room	174	1,572	387	1,959	4,178	55	89	89	1-6
6-Foyer	90	870	182	1,052	1,822	24	49	49	1-4
7-Family Room	429	2,759	959	3,718	4,520	59	156	156	1-7
8-Study	154	1,283	355	1,638	3,042	40	73	73	1-5
System 2: 1.77 Net Tons, 1.89 Recommended Tons, 430 ft.²/Ton, 24.32 MBH Heating									
System 2	811	17,444	3,821	21,265	24,315	208	797	797	12x12
Duct Loads		6,560	1,436	7,996	8,379				
Zone 1	811	10,884	2,385	13,269	15,936	208	797	797	
9-Bedroom 2	272	4,499	966	5,465	5,586	73	330	330	3-6
10-Bath 2 / Closets 2 & 3	197	480	178	658	1,586	21	35	35	1-3
11-Bedroom 3	342	5,905	1,241	7,146	8,764	114	433	433	4-6



Total Building Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break	285	6,400	0	12,051	12,051
1D-cb-d: Glazing-Double pane, sliding glass door, clear, metal frame with break	126	3,357	0	3,648	3,648
1E-cb: Glazing-Double pane window, fixed sash, clear, metal frame with break	14	362	0	360	360
11D: Door-Solid Core	42	582	0	443	443
14D-33s: Wall-insulated concrete form (ICF), ASTM R-Value R-30 to R-36 foam matrix form filled with site-poured concrete, stucco or siding finish, plus interior finish	1558	2,059	0	722	722
12C-Osw: Part-Frame, R-13 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	196.6	537	0	447	447
12B-Osw: Part-Frame, R-11 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	160	279	0	388	388
16B-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, Dark Asphalt Shingles or Dark Metal, Tar and Gravel or Membrane, R-30 insulation	2766.1	3,271	0	4,692	4,692
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	298	15,255	0	0	0
Subtotals for structure:		32,102	0	22,751	22,751
People:	10		2,300	3,000	5,300
Equipment:			0	1,200	1,200
Lighting:	0			0	0
Ductwork:		14,338	2,397	11,083	13,480
Infiltration: Winter CFM: 299, Summer CFM: 148		13,414	4,994	2,905	7,899
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
Total Building Load Totals:		59,854	9,691	40,939	50,630

Check Figures

Total Building Supply CFM:	1,871	CFM Per Square ft.:	0.677 *
Square ft. of Room Area:	2,765	Square ft. Per Ton:	624
Volume (ft³) of Cond. Space: (clg.)	22,129	Air Turnover Rate (per hour):	5.1

* Based on area of rooms being heated or cooled (whichever governs system) rather than entire floor area.

Building Loads

Total Heating Required With Outside Air:	59,854 Btuh	59.854 MBH
Total Sensible Gain:	40,939 Btuh	81 %
Total Latent Gain:	9,691 Btuh	19 %
Total Cooling Required With Outside Air:	50,630 Btuh	4.22 Tons (Based On Sensible + Latent)
		4.43 Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.



System 1 Main Floor Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break	165	3,200	0	5,951	5,951
1D-cb-d: Glazing-Double pane, sliding glass door, clear, metal frame with break	84	2,238	0	2,569	2,569
1E-cb: Glazing-Double pane window, fixed sash, clear, metal frame with break	14	362	0	360	360
11D: Door-Solid Core	42	582	0	443	443
14D-33s: Wall-insulated concrete form (ICF), ASTM R-Value R-30 to R-36 foam matrix form filled with site-poured concrete, stucco or siding finish, plus interior finish	955.2	1,218	0	444	444
12C-0sw: Part-Frame, R-13 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	196.6	537	0	447	447
12B-0sw: Part-Frame, R-11 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	160	279	0	388	388
16B-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, Dark Asphalt Shingles or Dark Metal, Tar and Gravel or Membrane, R-30 insulation	1954.9	2,206	0	3,317	3,317
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	202	9,910	0	0	0
Subtotals for structure:		20,532	0	13,919	13,919
People:	6		1,380	1,800	3,180
Equipment:			0	1,200	1,200
Lighting:	0			0	0
Ductwork:		5,958	961	4,523	5,484
Infiltration: Winter CFM: 202, Summer CFM: 104		9,048	3,529	2,053	5,582
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
System 1 Main Floor Load Totals:		35,538	5,870	23,495	29,365

Check Figures

Supply CFM:	1,074	CFM Per Square ft.:	0.550 *
Square ft. of Room Area:	1,954	Square ft. Per Ton:	768
Volume (ft³) of Cond. Space: (clg.)	15,639	Air Turnover Rate (per hour):	4.1

* Based on area of rooms being heated or cooled (whichever governs system) rather than entire floor area.

System Loads

Total Heating Required With Outside Air:	35,538 Btuh	35.538 MBH
Total Sensible Gain:	23,495 Btuh	80 %
Total Latent Gain:	5,870 Btuh	20 %
Total Cooling Required With Outside Air:	29,365 Btuh	2.45 Tons (Based On Sensible + Latent)
		2.54 Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.



System 2 Copy of Main Floor Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break	120	3,200	0	6,100	6,100
1D-cb-d: Glazing-Double pane, sliding glass door, clear, metal frame with break	42	1,119	0	1,079	1,079
14D-33s: Wall-insulated concrete form (ICF), ASTM R-Value R-30 to R-36 foam matrix form filled with site-poured concrete, stucco or siding finish, plus interior finish	602.8	841	0	278	278
16B-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, Dark Asphalt Shingles or Dark Metal, Tar and Gravel or Membrane, R-30 insulation	811.2	1,065	0	1,375	1,375
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	96	5,345	0	0	0
Subtotals for structure:		11,570	0	8,832	8,832
People:	4		920	1,200	2,120
Equipment:			0	0	0
Lighting:	0			0	0
Ductwork:		8,379	1,436	6,560	7,996
Infiltration: Winter CFM: 97, Summer CFM: 43		4,366	1,465	852	2,317
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
System 2 Copy of Main Floor Load Totals:		24,315	3,821	17,444	21,265

Check Figures

Supply CFM:	797	CFM Per Square ft.:	0.983
Square ft. of Room Area:	811	Square ft. Per Ton:	430
Volume (ft³) of Cond. Space:	6,490	Air Turnover Rate (per hour):	7.4

System Loads

Total Heating Required With Outside Air:	24,315 Btuh	24.315 MBH
Total Sensible Gain:	17,444 Btuh	82 %
Total Latent Gain:	3,821 Btuh	18 %
Total Cooling Required With Outside Air:	21,265 Btuh	1.77 Tons (Based On Sensible + Latent)
		1.89 Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.



System 1, Zone 1 Summary Loads (Average Load Procedure for Rooms)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break	165	3,200	0	5,951	5,951
1D-cb-d: Glazing-Double pane, sliding glass door, clear, metal frame with break	84	2,238	0	2,569	2,569
1E-cb: Glazing-Double pane window, fixed sash, clear, metal frame with break	14	362	0	360	360
11D: Door-Solid Core	42	582	0	443	443
14D-33s: Wall-insulated concrete form (ICF), ASTM R-Value R-30 to R-36 foam matrix form filled with site-poured concrete, stucco or siding finish, plus interior finish	955.2	1,218	0	444	444
12C-0sw: Part-Frame, R-13 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	196.6	537	0	447	447
12B-0sw: Part-Frame, R-11 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	160	279	0	388	388
16B-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, Dark Asphalt Shingles or Dark Metal, Tar and Gravel or Membrane, R-30 insulation	1954.9	2,206	0	3,317	3,317
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	202	9,910	0	0	0
Subtotals for structure:		20,532	0	13,919	13,919
People:	6		1,380	1,800	3,180
Equipment:			0	1,200	1,200
Lighting:	0			0	0
Ductwork:		0	0	0	0
Infiltration: Winter CFM: 202, Summer CFM: 104		9,048	3,529	2,053	5,582
System 1, Zone 1 Load Totals:		29,580	4,909	18,972	23,881

Check Figures

Supply CFM:	1,074	CFM Per Square ft.:	0.550 *
Square ft. of Room Area:	1,954	Square ft. Per Ton:	944
Volume (ft³) of Cond. Space: (clg.)	15,639	Air Turnover Rate (per hour):	4.1

* Based on area of rooms being heated or cooled (whichever governs system) rather than entire floor area.

Zone Loads

Total Heating Required:	29,580 Btuh	29.580 MBH
Total Sensible Gain:	18,972 Btuh	79 %
Total Latent Gain:	4,909 Btuh	21 %
Total Cooling Required:	23,881 Btuh	1.99 Tons (Based On Sensible + Latent)
		2.07 Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.



System 2, Zone 1 Summary Loads (Average Load Procedure for Rooms)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break	120	3,200	0	6,100	6,100
1D-cb-d: Glazing-Double pane, sliding glass door, clear, metal frame with break	42	1,119	0	1,079	1,079
14D-33s: Wall-insulated concrete form (ICF), ASTM R-Value R-30 to R-36 foam matrix form filled with site-poured concrete, stucco or siding finish, plus interior finish	602.8	841	0	278	278
16B-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, Dark Asphalt Shingles or Dark Metal, Tar and Gravel or Membrane, R-30 insulation	811.2	1,065	0	1,375	1,375
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	96	5,345	0	0	0
Subtotals for structure:		11,570	0	8,832	8,832
People:	4		920	1,200	2,120
Equipment:			0	0	0
Lighting:	0			0	0
Ductwork:		0	0	0	0
Infiltration: Winter CFM: 97, Summer CFM: 43		4,366	1,465	852	2,317
System 2, Zone 1 Load Totals:		15,936	2,385	10,884	13,269

Check Figures

Supply CFM:	797	CFM Per Square ft.:	0.983
Square ft. of Room Area:	811	Square ft. Per Ton:	688
Volume (ft³) of Cond. Space:	6,490	Air Turnover Rate (per hour):	7.4

Zone Loads

Total Heating Required:	15,936 Btuh	15.936 MBH
Total Sensible Gain:	10,884 Btuh	82 %
Total Latent Gain:	2,385 Btuh	18 %
Total Cooling Required:	13,269 Btuh	1.11 Tons (Based On Sensible + Latent)
		1.18 Tons (Based On 77% Sensible Capacity)

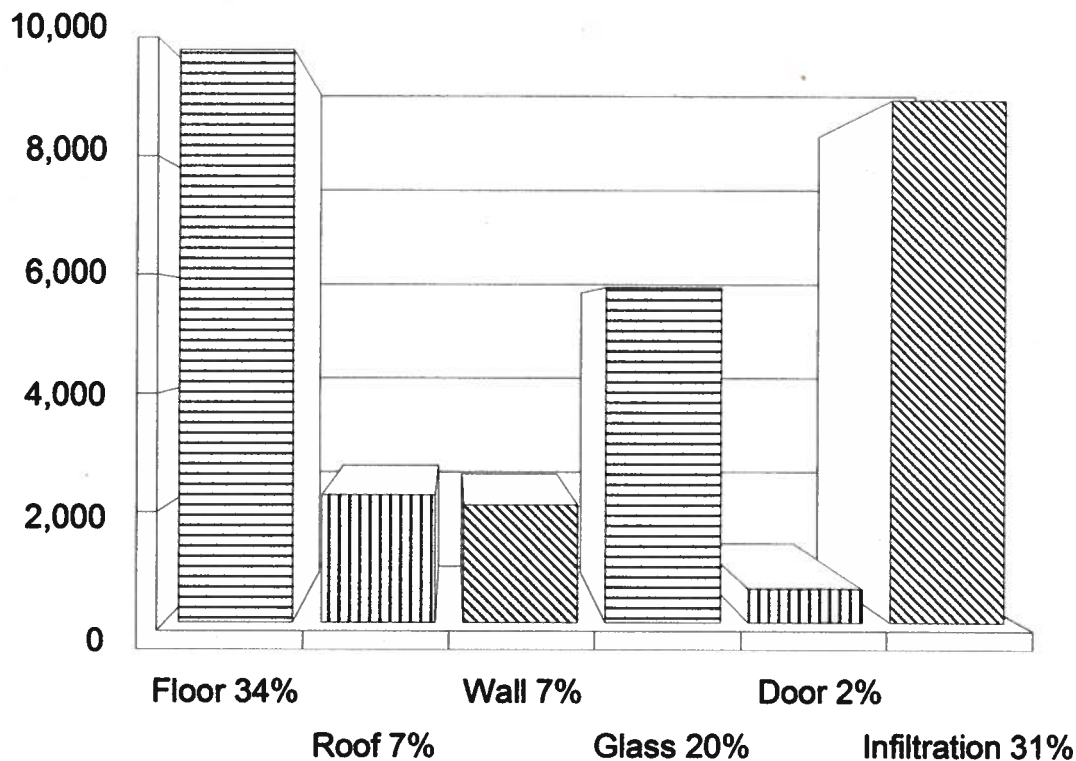
Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

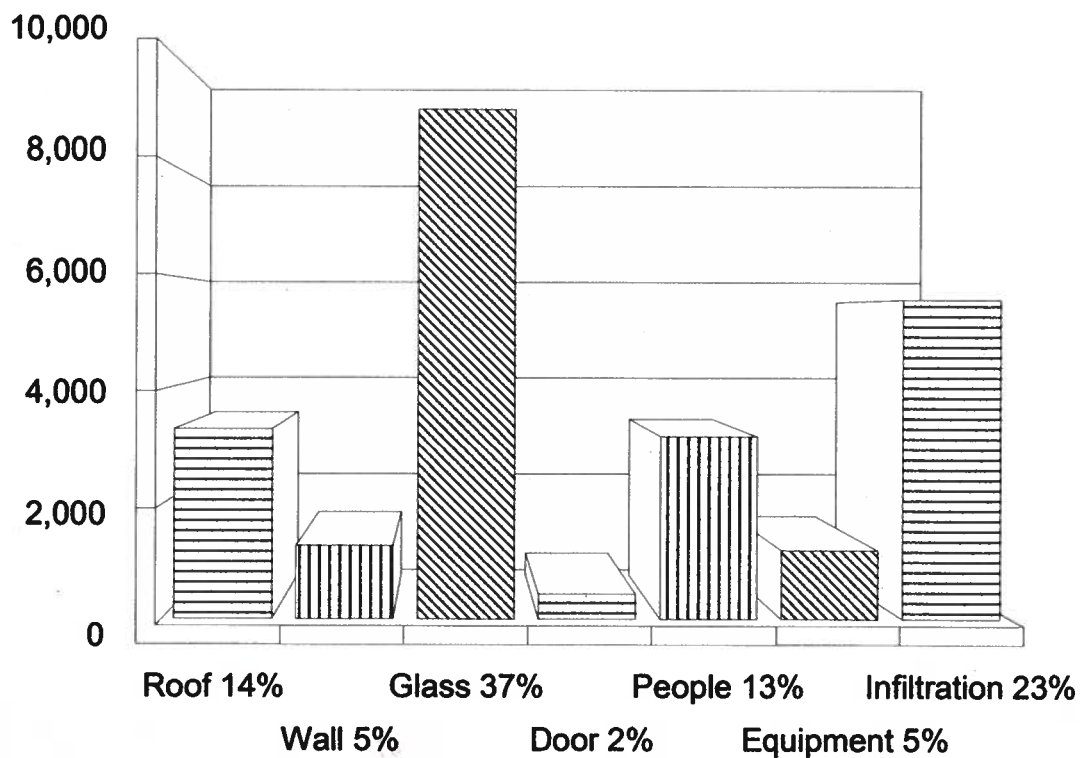


System 1, Zone 1 Bar Graph

System
 1, Zone
 1
 Loss
 29,580
 Btuh



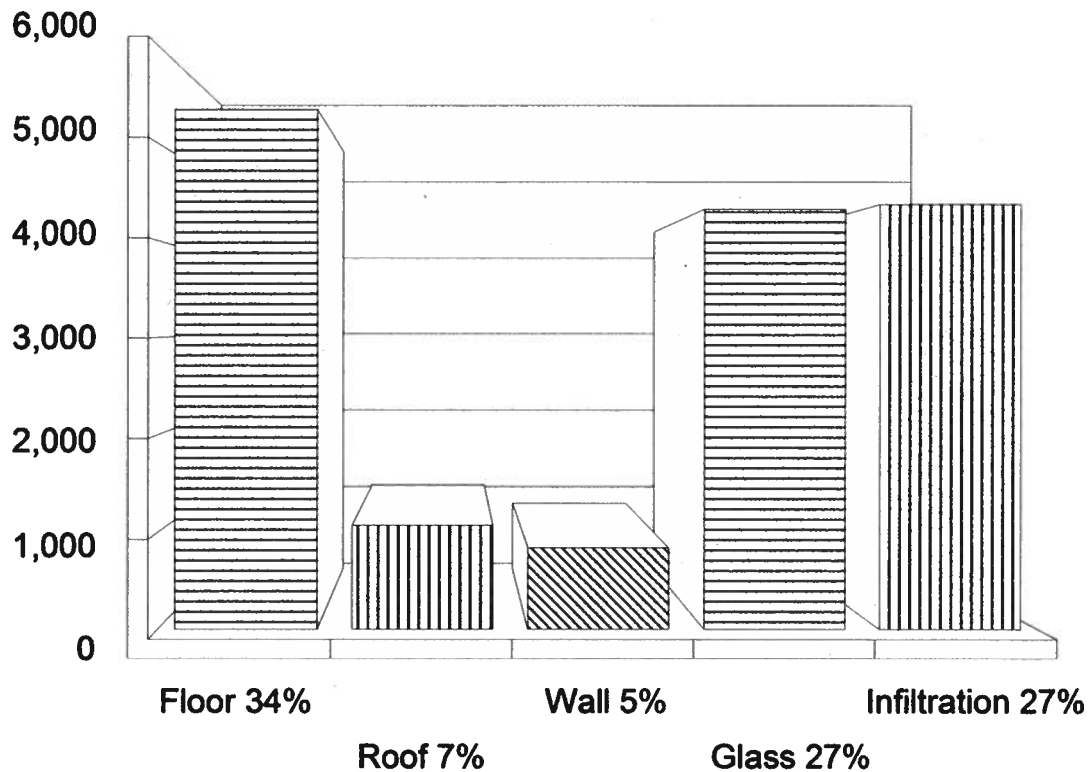
System
 1, Zone
 1
 Gain
 23,881
 Btuh



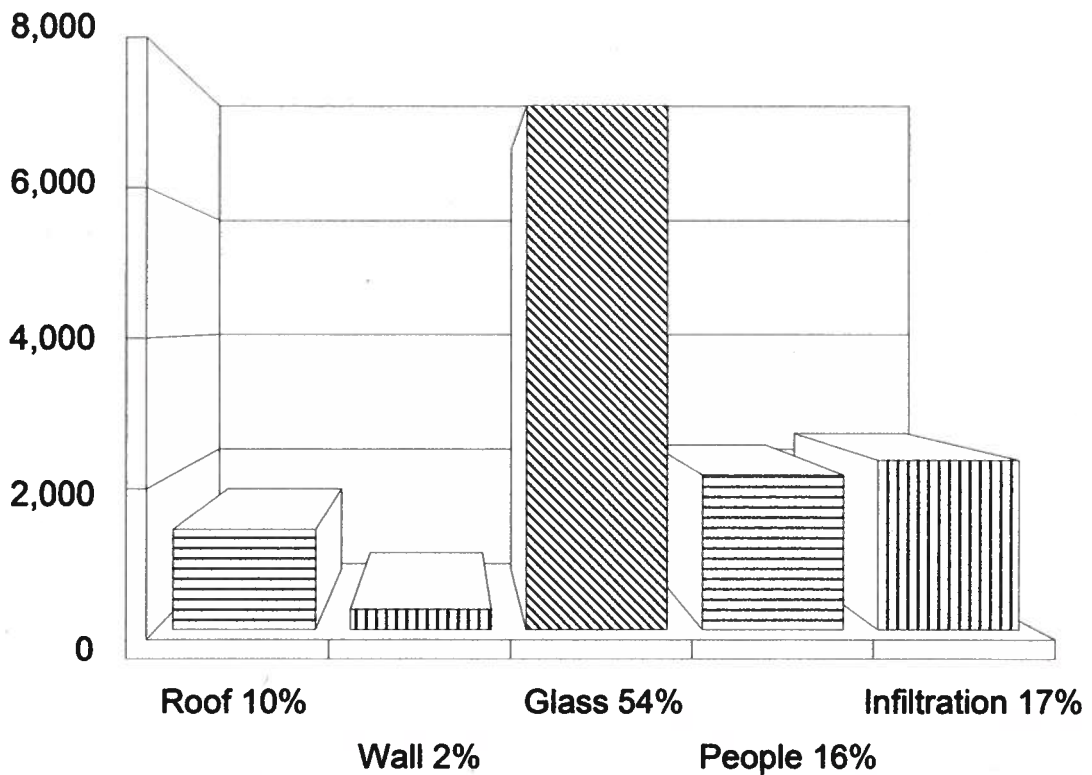


System 2, Zone 1 Bar Graph

System
2, Zone
1
Loss
15,936
Btuh



System
2, Zone
1
Gain
13,269
Btuh





System 1 Room Load Summary

Room No	Room Name	Area SF	Htg Sens Btuh	Htg Nom CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Clg Nom CFM	Air Sys CFM
---Zone 1---										
1	Master Bedroom	511	11,313	148	4-6	504	6,998	1,854	396	396
2	Master Bath/ Closet / Pantry	253	3,756	49	1-5	495	1,192	251	67	67
3	Hallway Off Pantry	69	949	12	1-2	690	266	96	15	15
4	Kitchen / Brkfst Nook	274	0	0	2-6	581	4,032	825	228	228
5	Dining Room	174	4,178	55	1-6	453	1,572	387	89	89
6	Foyer	90	1,822	24	1-4	564	870	182	49	49
7	Family Room	429	4,520	59	1-7	584	2,759	959	156	156
8	Study	154	3,042	40	1-5	533	1,283	355	73	73
System 1 total		1,954	35,538	386			23,495	5,870	1,074	1,074

System 1 Main Trunk Size: 14x14 in.
Velocity: 875 ft./min
Loss per 100 ft.: 0.101 in.wg

Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	2.45	80% / 20%	23,495	5,870	29,365
Recommended:	2.54	77% / 23%	23,495	7,018	30,512



System 2 Room Load Summary

Room No Name	Area SF	Htg Sens Btuh	Htg Nom CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Clg Nom CFM	Air Sys CFM
---Zone 1---									
9 Bedroom 2	272	5,586	73	3-6	559	4,499	966	330	330
10 Bath 2 / Closets 2 & 3	197	1,586	21	1-3	716	480	178	35	35
11 Bedroom 3	342	8,764	114	4-6	551	5,905	1,241	433	433
System 2 total	811	24,315	208			17,444	3,821	797	797

System 2 Main Trunk Size: 12x12 in.
Velocity: 865 ft./min
Loss per 100 ft.: 0.119 in.wg

Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	1.77	82% / 18%	17,444	3,821	21,265
Recommended:	1.89	77% / 23%	17,444	5,211	22,655

HARDIE PLANK LAP SIDING INSTALLATION INSTRUCTIONS

James Hardie
JULY 2001

**RUSTIC CEDAR® • SELECT CEDAR MILL® • SMOOTH • COLONIAL SMOOTH® • COLONIAL ROUGHSAWN®
BEADED CEDAR MILL® • BEADED SMOOTH • STRAIGHT-EDGE SHINGLE PLANK®**

IMPORTANT: FAILURE TO INSTALL AND FINISH HARDIPLANK® IN ACCORDANCE WITH APPLICABLE BUILDING CODE COMPLIANCE REPORTS AND JAMES HARDIE'S WRITTEN APPLICATION INSTRUCTIONS, MAY AFFECT SYSTEM PERFORMANCE, VIOLATE LOCAL BUILDING CODES REQUIREMENTS, AND VOID THE PRODUCT ONLY WARRANTY.

HANDLING & STORAGE:

Store flat and keep dry prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry planks on edge.



CUTTING OPTIONS:



Circular saw with dust collector



Circular saw blade with carbide-tipped teeth



Electric or pneumatic hand shear



Pneumatic shear



Cable score and snap knife



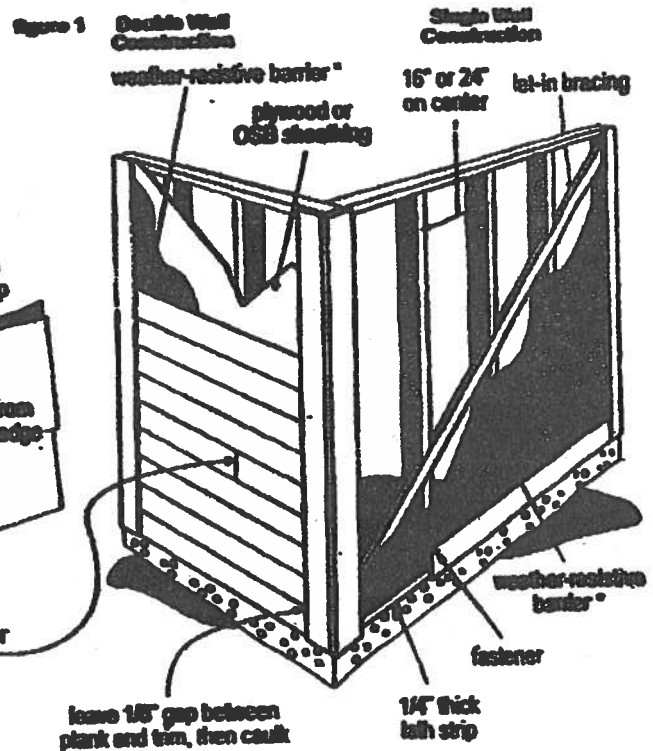
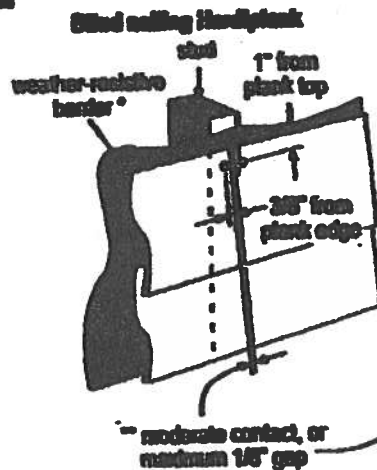
- A All recommendations (Hardie® 4500/4500 4" or 4500/4500 7-1/2" saw with dust collection. Call 800-484-4474.
- A Hardie® SHIMMER/LOCK® with PCD Diamond Teeth. Call 800-484-4474 for nearest dealer.
- A SHIPPER SHEAR® electric, pneumatic, or hand shear. Call 800-257-7487 for tool information.

Always wear safety glasses and dust protection when operating power tools. For more information on avoiding inhalation refer to the MATERIAL SAFETY DATA SHEET available whenever James Hardie floor covered products are sold.

FRAMING REQUIREMENTS:

Hardiplank lap siding can be installed over braced wood or steel studs spaced a maximum of 24" o.c. or directly to minimum 7/16" thick OSB sheathing. Hardiplank lap siding can also be installed over foam insulation up to 1" thick. Irregularities in framing, sheathing, and/or foam insulation can mirror through the finished application. A weather-resistant barrier is required*. Install Hardiplank siding with joints butted in moderate contact. Optionally, install the lap siding with a maximum 1/8" gap and caulk the joint** (see detail at right).

The first course of any wall should be installed over a 1/4" latb strip to ensure a consistent plank angle (see figure 1).



*For application over foam insulation, the length of the specified fastener shall be increased by the thickness of the foam insulation.

* Use a weather-resistant barrier in accordance with: BOCA National Building Code Section 1403.3; SBCCI Standard Building Code Section 2203.2; ICBO Uniform Building Code Section 1402.1; or CABO One-and-Two Family Dwelling Code Section 703.2.1.

NOTE: Some Building Codes exempt the use of weather-resistant barriers over "water-resistant panel sheathing" or exterior panels classified as "weather-resistant barriers". James Hardie recommends the use of "building paper type" weather-resistant barriers with all siding products. James Hardie will assume no responsibility for water infiltration within the wall.



James Hardie's seal of approval indicates products recommended for use by James Hardie Building Products

WARNING: AVOID BREATHING SILICA DUST

Product contains Silica. Inhalation of respirable silica dust can cause silicosis, a potentially disabling lung disease, and is known to the State of California to cause lung cancer. When drilling, cutting or abrading product during installation or handling: (1) Work outdoors where feasible, otherwise use mechanical ventilation, (2) Wear a dust mask or, if dust may exceed PEL, use NIOSH approved respirator, (3) Warn others in area. For further information, refer to material safety data sheet or consult employer.

FAILURE TO ADHERE TO WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY.



The Florida Department of Community Affairs Building Code Information System

SITE NAVIGATION



Home



Course Accreditation



Florida Building Code



Manufact Buildings



Prototype Building



Purchase



Training



Product Approval



License Search



Mailing List



Florida Building Commission

PRODUCT APPROVAL

Product Type Detail

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

Need Help?

Application #:

FL542

Date Submitted:

10/06/2003

Code Version:

2001

Product Manufacturer:

Clopay Building Products Company

Address/Phone/email:

8585 Duke Blvd.
Mason, OH 45040
(513) 770-6062

Category:

Exterior Doors

Subcategory:

Sectional

Evaluation Method:

Evaluation Report from a Florida
Registered Architect or Florida
Professional Engineer

Referenced Standards from the Florida Building Code:

Section	Standard	Year
FBC 1606	ASTM E-330	1997
FBC 1626	TAS-201	2001
FBC 1619	TAS-202	2001
FBC 1625	TAS-203	2001
FBC	ANSI/DASMA	2002
1707.4.3.1	108	
FBC 1606	ASCE7	1998

Florida Engineer or Architect Name:

Gary Pfuehler, P.E.

Florida License:

PE- 49850

Quality Assurance Entity:

Omega Point Laboratories

Validation Entity:

Gary Pfuehler

Authorized Signature:

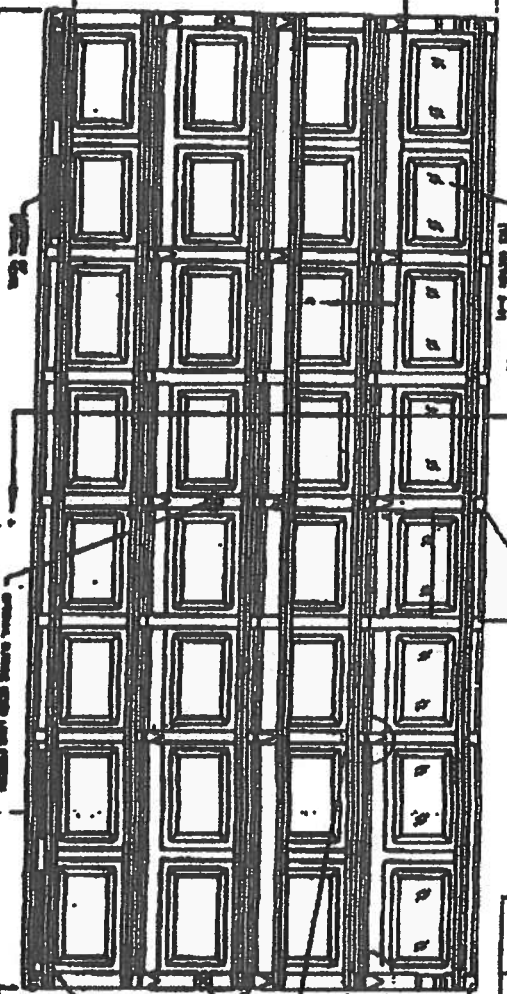
Mark Westerfield
mwesterfield@clipay.com

12-10-1944

RECEIVED			
BY	TO	DATE	APPD

Figure 1

DESCRIPTION



10. A. was the first person to open
the first public library in the
city of New York.

11 Do not use the
power button to stop
the printer, as this
may damage the
printer.

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百

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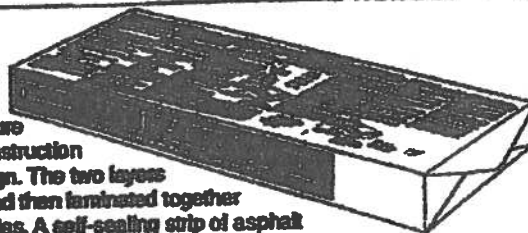
HERITAGE 30 AR®

LAMINATED ASPHALT SHINGLES

PRODUCT DATA

Manufactured in Tuscaloosa, AL.

HERITAGE 30 AR® shingles feature a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt and then laminated together and surfaced with ceramic granules. A self-sealing strip of asphalt helps provide added wind resistance.



USES

For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to wrapper instructions.

ADVANTAGES

- 30-year limited warranty, 5-year FULL START, limited transferability, winds up to 70 MPH.
- Superior fire resistance compared to organic shingles.
- Rustic beauty of wood shakes.
- Shadowtone feature adds depth and dimensional appearance.
- 10-year Algae-Resist (AR) limited warranty that provides for cleaning of discoloration caused by certain algae growth that may occur in areas with high humidity.

CERTIFICATIONS

UL Class A Fire Rating
UL Wind Resistant

ASTM D 3018, Type I
ASTM E 108, Class A
ASTM D 3161, Type I

Fed. Spec.: Exceeds SS-8-001634,
Class A, Type I

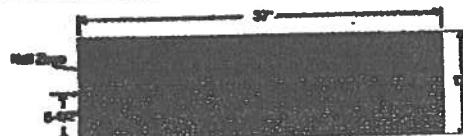
COLORS

Classic Heritage Colors:

- Weathered Wood
- Rustic Cedar
- Oxford Grey
- Rustic Hickory
- Shadow Grey
- Rustic Black

PRODUCT DATA

Shingle size	12" X 37"
Exposure	5"
Shingles per square	78
Bundles per square	3



*All values stated as nominal

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not heat or burn this product.



TAMKO
ROOFING PRODUCTS

TAMKO and HERITAGE are registered trademarks of Tamko Roofing Products, Inc.

Visit our Web Site at www.tamko.com

002023

Central District	220 West 4th St., Joplin, MO	64801	800-841-4891
Northeast District	4500 Tamko Dr., Finksburg, MD	21701	800-388-2055
Southeast District	2900 36th St., Tuscaloosa, AL	35401	800-228-2856
Southwest District	7910 S. Central Exp., Dallas, TX	75216	800-443-1894
Western District	5300 East 43rd Ave., Denver, CO	80216	800-630-8868

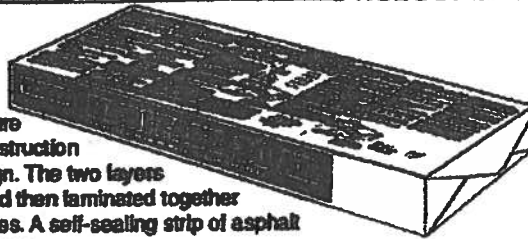
HERITAGE 30 AR®

LAMINATED ASPHALT SHINGLES

PRODUCT DATA

Manufactured in Tuscaloosa, AL

HERITAGE 30 AR® shingles feature a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt and then laminated together and surfaced with ceramic granules. A self-sealing strip of asphalt helps provide added wind resistance.



USES

For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to wrapper instructions.

ADVANTAGES

- 30-year limited warranty, 5-year FULL START, limited transferability, winds up to 70 MPH.
- Superior fire resistance compared to organic shingles.
- Rustic beauty of wood shakes.
- Shadowtone feature adds depth and dimensional appearance.
- 10-year Algae-Relief (AR) limited warranty that provides for cleaning of discoloration caused by certain algae growth that may occur in areas with high humidity.

CERTIFICATIONS

UL Class A Fire Rating
UL Wind Resistant

ASTM D 3018, Type I
ASTM E 108, Class A
ASTM D 3161, Type I

Fed. Spec.: Exceeds SS-8-001534,
Class A, Type I

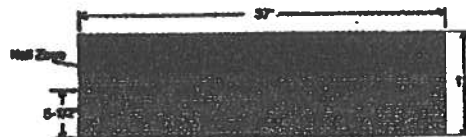
COLORS

Classic Heritage Colors:

- Weathered Wood
- Rustic Cedar
- Oxford Grey
- Rustic Hickory
- Shadow Grey
- Rustic Black

PRODUCT DATA*

Shingle size	12" X 37"
Exposure	5"
Shingles per square	78
Bundles per square	3



*All values stated as nominal

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not heat or burn this product.

TAMKO
ROOFING PRODUCTS

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Visit our Web Site at www.tamko.com

032023

Central District
Northeast District
Southeast District
Southwest District
Western District

220 West 4th St., Joplin, MO
4800 Tamko Dr., Frederick, MD
2300 25th St., Tuscaloosa, AL
7910 S. Central Exp., Dallas, TX
5300 East 43rd Ave., Denver, CO

64801 800-641-4891
21701 800-368-2056
35401 800-228-2556
75216 800-443-1894
80216 800-630-8868

Installation Instructions Pre-Hung Door Systems In High Wind Velocity Areas

These instructions apply to all Thermo-Tru wood-framed door systems. Some apply specifically to:

Inswing Doors



Outswing Doors



Doors with sidelights



Double Doors



Patio Doors



Read all instructions before starting.

THERMATRU[®]
DOORS

The Most Preferred Brand in the Business[™]

P.O. Box 8780 Maumee, Ohio 43537

Printed 3/02

Questions? Comments? Call 1-800-THERMATRU (1-800-843-7628) Part No. MSDRISTH

W
B
C

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33594 Phone 813.684.3831

Facsimile 813.684.3954

ENGINEER'S NOTICE OF EVALUATION # CPSO-203F

Therma-Tru Corp.
108 Mutzfeld Road
Butler, IN 46721
Phone 219.868.5811 Facsimile 219.868.5190

DESCRIPTION OF UNIT

Model Designation: Construction / Premium Series Wood Edge Steel Door (Glazed) with or without Side-lites

Maximum Overall Nominal Size: up to 8'4" x 6'8" **Usable Out-swing Configurations:** X, OXO, XO, OX, XX & OXXO

General Description: The head and jambs are wood measuring 4.5" x 1.25" with an extruded aluminum saddle threshold. The door panels and sidelite panels are 1.68" thick and consist of two 25 gauge (min 0.018") steel skins for the Construction Series and two 24 gauge (min. 0.022") steel skins for the Premium Series glued to wood stiles and rails with a urethane core. The glazed door panels and sidelites are routed to receive 1/2" insulated tempered lip lite inserts manufactured by Therma-Tru.

FBC Section 1707 Materials and Assembly Tests:

(1707.4.3 Exterior Door Assemblies; 1707.4.5 Mullions Door Assemblies)

Test	Description	Test Location	Date	Report No.	Certifying Engineer
ASTM E330	Uniform Static Air Pressure	ETC-Rochester, NY NCIL-Orlando, FL	July 11, 2001 May 23, 1998	01-741-110040 210-2030-1	Joseph L. Dolden, P.E. # 42929 Barry D. Portnoy, P.E. # 16258
TAS 202	Forced Entry	ETC-Rochester, NY NCIL-Orlando, FL	July 11, 2001 May 23, 1998	01-741-110040 210-2030-1	Joseph L. Dolden, P.E. # 42929 Barry D. Portnoy, P.E. # 16258
ASTM E331	* Water Penetration	ETC-Rochester, NY NCIL-Orlando, FL	July 11, 2001 May 23, 1998	01-741-110040 210-2030-1	Joseph L. Dolden, P.E. # 42929 Barry D. Portnoy, P.E. # 16258
ASTM E283	Air Infiltration	ETC-Rochester, NY NCIL-Orlando, FL	July 11, 2001 May 23, 1998	01-741-110040 210-2030-1	Joseph L. Dolden, P.E. # 42929 Barry D. Portnoy, P.E. # 16258
TAS 201/203	**Large Missile Impact/Cycling	NA	NA	NA	NA

* Sidelites are considered a window and meet 15% of Positive Design Pressure water infiltration criteria.

** This product must be designed to meet windborne debris criteria.

Design Pressure Ratings:

Configuration	Maximum Size	Design Pressure Ratings	
Glazed Single X	Up To 3'0" x 6'8"	+47.00 -47.00	
Glazed Single with Sidelites XO, OX, OXO	Up To 5'4" x 6'8"	+47.00 -47.00	
		Std Alum Astragal	Coastal Alum Astragal
Glazed Double XX	Up To 6'0" x 6'8"	+40.00 -40.00	+47.00 -47.00
Glazed Double with Sidelites OXXO	Up To 8'4" x 6'8"	+40.00 -40.00	+47.00 -47.00

Installation and Anchoring: See reverse side this page

Use

1. Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ASCE 7 Minimum Design Loads for Buildings and Other Structures do not exceed the design pressure ratings listed above.

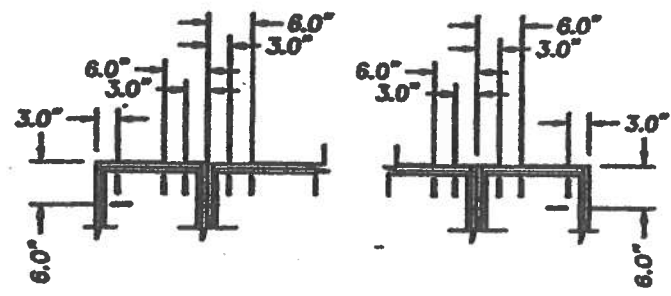
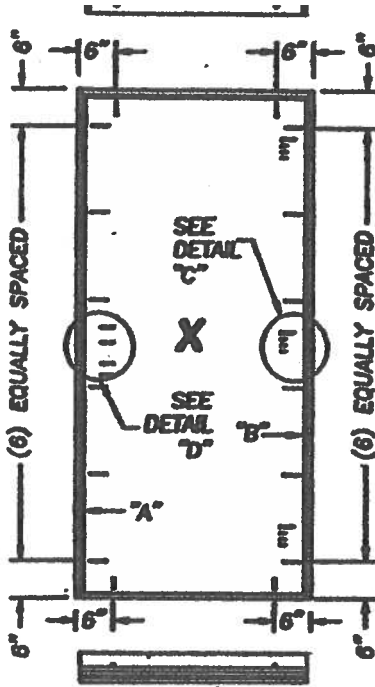
2. For Masonry installations where the sub-buck is less than 1-1/2 inches (FBC section 1707.4.4 Anchorage Methods and sub-sections 1707.4.4.1 and 1707.4.4.2) same diameter Tapcon type concrete anchors must be substituted and the length must be such that a minimum 1-1/4" engagement of the Tapcon into the masonry wall is obtained.

Certification: Florida Professional Engineer - Seal No. 43409

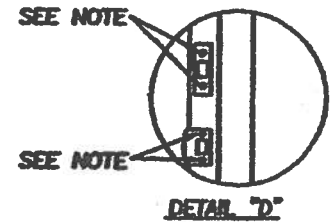
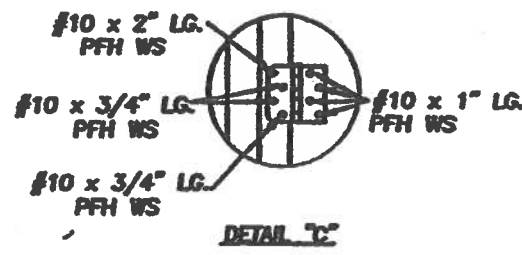
April 22, 2002

Lyndon F. Schmidt

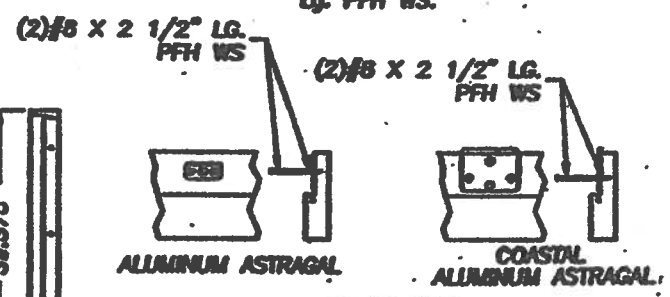
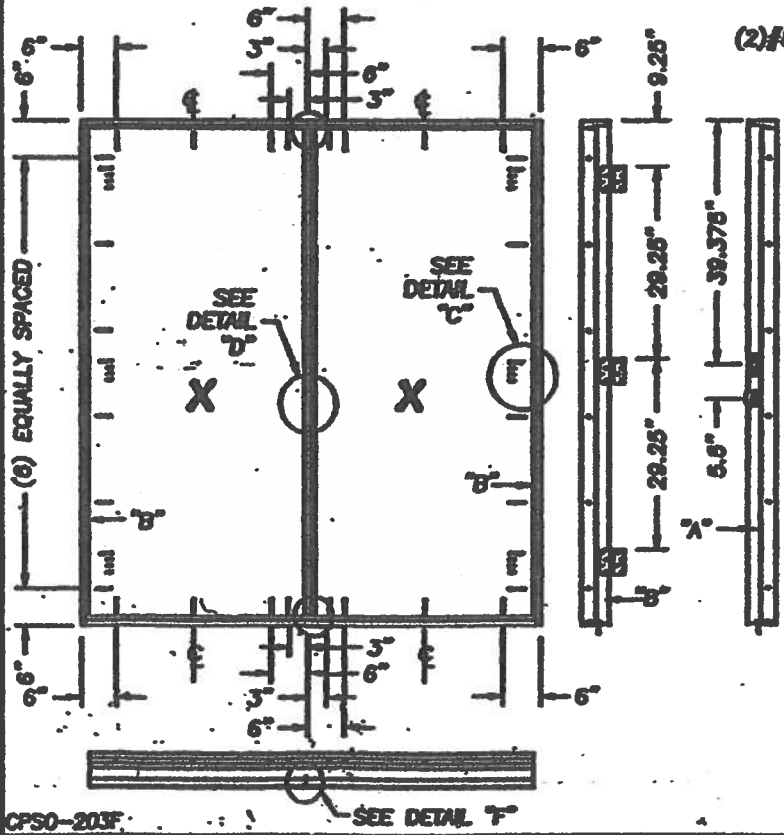
19506 French Lace Drive Lutz, FL 33558



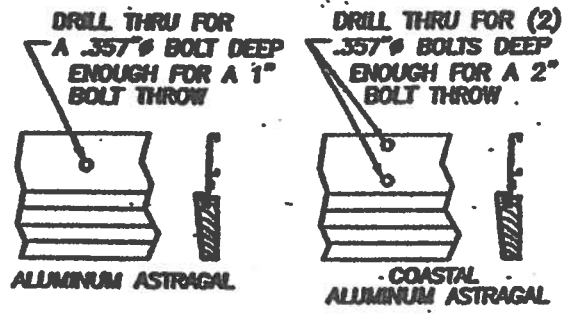
When attaching Sidelite the above anchoring applies.



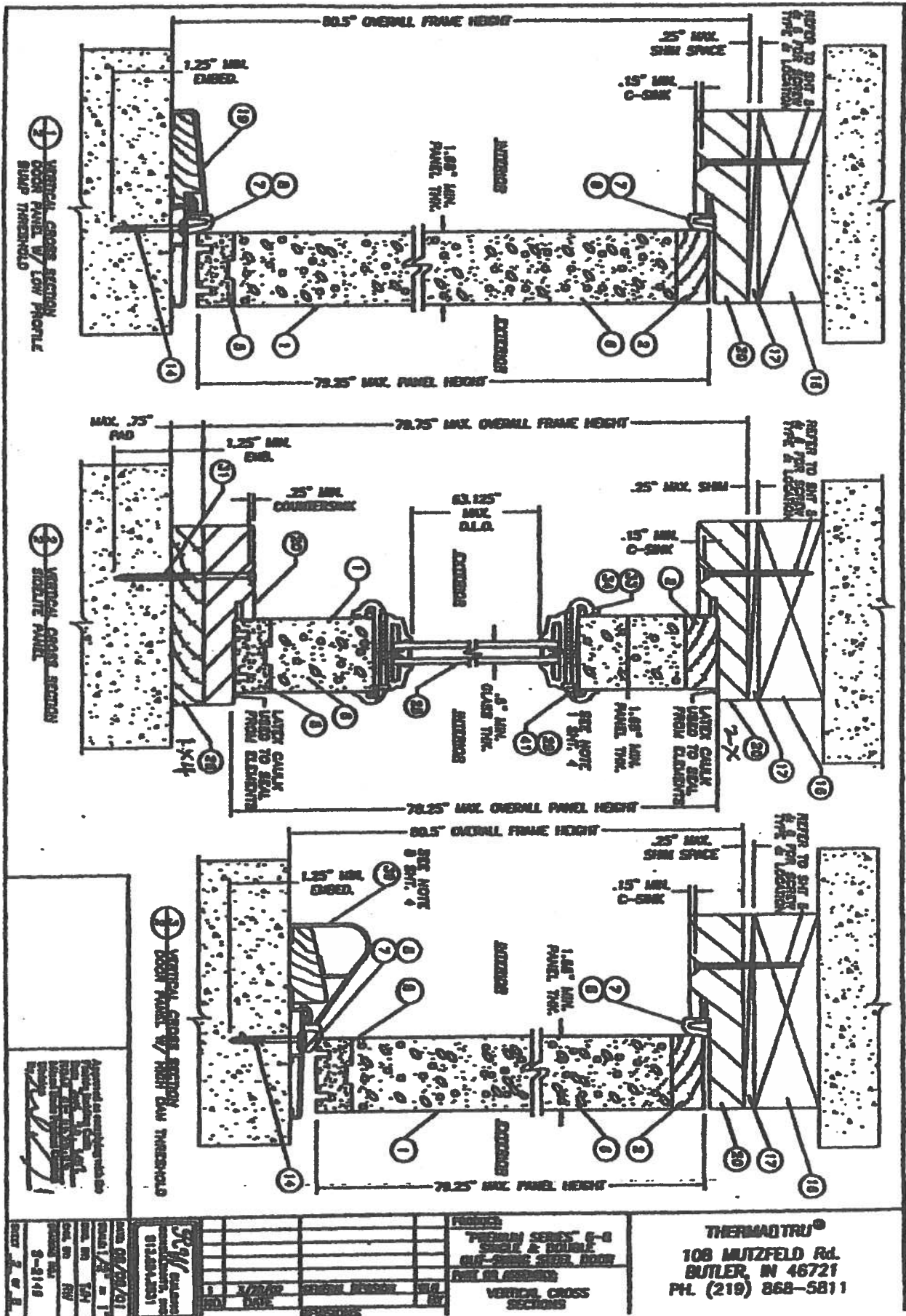
Note:
When attaching the strike & deadbolt plates to the strike & buck use #10 x 2" Lg. PFH WS. When attaching the strikes & deadbolt plates to the astragal use #8 x 2 1/2" Lg. PFH WS. When attaching the strike jamb & sidelite jamb use #10 x 1 3/4" Lg. PFH WS.



DETAIL "E"
ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO FRAME AS SHOWN.



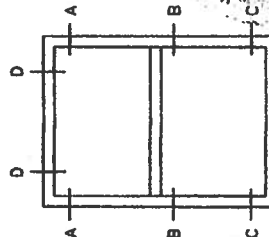
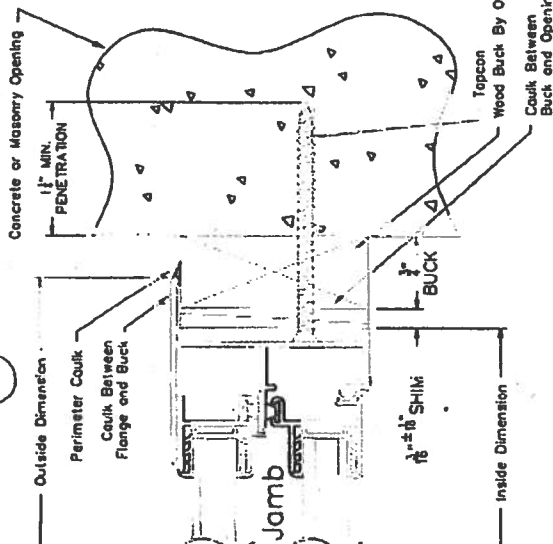
DETAIL "F"
ASTRAGAL THROW BOLTS AT THE THRESHOLD





BetterBuilt

1. Shim as required at each installation anchor as shown.
2. Anchor must be of a length to have 1 1/4" penetration into masonry or concrete.
3. Caulk between window flange and buck.
4. Caulk full perimeter of window.
5. If exact window size is not given, use anchor quantity for next larger window in chart.
6. Glass thickness will vary with window size and design load.
7. Letter designations on the tapcon location chart indicate where anchors are to be installed using the elevation as a key.
8. All factory applied holes not designated for tapcon anchor should be filled with #8 screws of sufficient length to provide min. 5/8" embedment into wood buck.



CODE SIZE	WINDOW ID SIZE	TAPCON * LOCATION CHART		FASTENER LOCATIONS	
		UO TO DP35	DP35.1 TO DP35.3	UO TO DP35	DP35.1 TO DP35.3
12	18 1/8 x 25	C, D	C, D	C, D	C, D
13	18 1/8 x 37 3/8	C, D	C, D	C, D	C, D
14	18 1/8 x 49 5/8	C, D	C, D	C, D	C, D
15	18 1/8 x 62	C, D	C, D	C, D	C, D
16	18 1/8 x 71 1/4	C, D	C, D	C, D	C, D
1/2 32	25 1/2 x 25	C, D	C, D	C, D	C, D
1/2 33	25 1/2 x 37 3/8	C, D	C, D	C, D	C, D
1/2 34	25 1/2 x 49 5/8	C, D	C, D	C, D	C, D
1/2 35	25 1/2 x 62	C, D	C, D	C, D	C, D
1/2 36	25 1/2 x 71 1/4	C, D	C, D	C, D	C, D
22	36 x 25	C, D	C, D	C, D	C, D
23	36 x 37 3/8	C, D	C, D	C, D	C, D
24	36 x 49 5/8	C, D	C, D	C, D	C, D
24S	36 x 55 1/4	C, D	C, D	C, D	C, D
25	36 x 62	C, D	C, D	C, D	C, D
26	36 x 71 1/4	C, D	C, D	C, D	C, D
32	52 1/8 x 25	C, D	C, D	C, D	C, D
33	52 1/8 x 37 3/8	C, D	C, D	C, D	C, D
34	52 1/8 x 49 5/8	C, D	C, D	C, D	C, D
34S	52 1/8 x 55 1/4	C, D	C, D	C, D	C, D
35	52 1/8 x 62	C, D	C, D	C, D	C, D
36	52 1/8 x 71 1/4	C, D	C, D	C, D	C, D
2050	24 1/4 x 60 1/4	C, D	C, D	C, D	C, D
3040	36 1/4 x 48 1/4	C, D	C, D	C, D	C, D
3050	36 1/4 x 60 1/4	C, D	C, D	C, D	C, D
3060	48 1/4 x 60 1/4	C, D	C, D	C, D	C, D
4050	52 1/8 x 71 1/4	C, D	C, D	C, D	C, D

Pre-Cast Sill
By Others

TAPCON TYPE HARDENED MASONRY SCREWS INCLUDE TAPCON, RAWL, & SIMPSON

INSTALLATION INSTRUCTIONS
& FASTENER SCHEDULE

DATE	1/15/02
SCALE	NONE
SHEET	1 of 1
REV	INST740



- Series 165/3000 Single Hung and Fixed Windows
- Series 740/744/3740 Single Hung and Fixed Windows
- Series 168/3168 Horizontal Slider and Fixed Windows
- Series 680 Horizontal Slider and Fixed Windows

NOTE: SEE INDIVIDUAL TEST REPORT(S) FOR DP RATINGS AND MAXIMUM ALLOWABLE SIZES.

INSTALLATION INSTRUCTIONS FOR "APPROVED FOR FLORIDA" ALUMINUM FIN WINDOWS

BetterBilt Windows & Doors appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin. Place a continuous bead of caulk on the back side of nail fin (mounting flange).
2. Set unit plumb and square into opening and make sure that there is $3/16" \pm 1/16"$ clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit frequently as fasteners are set.
3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DP's (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DP's from 35.1 to 50, do not exceed 18" spacing.
4. Caulk entire perimeter of fin to mounting surface joint and caulk over screw heads.
Note: this step can be eliminated if 4" wide adhesive type flashing is used (sill 1st., jambs 2nd., head 3rd.).
5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties.
6. Remove plaster, mortar, paint, and debris that has collected on the unit and make sure that sash/vent tracks and interlocks are also clean. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent.

- CAUTION -

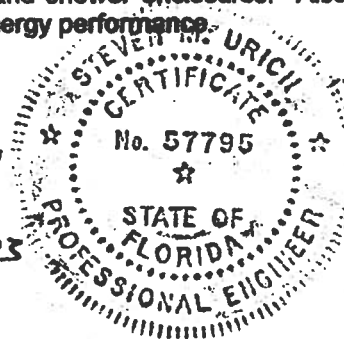
BetterBilt Windows & Doors or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. BetterBilt window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing (tempered glass) near doors, bathtubs, and shower enclosures. Also be aware of other code requirements such as emergency egress and structural / energy performance.

Corporate Headquarters:
M.I. Home Products
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300

www.mihp.com

St 221

JULY 29, 2003



Rev. 7-24-03

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 Numbers
1. EXTERIOR DOORS			
A. SWINGING	Therma Tru Corporation	steel, fiberglass exterior doors	FL 1170
B. SLIDING	MI Home Products	aluminum frame sliding glass doors	FL 561
C. SECTIONAL/ROLL UP	Clopay Building Products	RST4, RST6, W3&W4 garage doors	FL542/FL549
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Better Bilt	740 series aluminum frame single hung	FL 663
B. HORIZONTAL SLIDER	PGT Industries	HS 201 aluminum horizontal rollers	FL 1844
C. CASEMENT	PGT Industries	CA 640 aluminum casement windows	FL 1900
D. FIXED	Better Bilt	740 series aluminum frame transom & special	FL 676
E. MULLION	Better Bilt	740 series aluminum mull bars	FL 987
F. SKYLIGHTS	Velux-America Inc.	fixed, clad & venting skylights	FL 1825
G. OTHER	Hy-Lite Products Inc.	AGB fixed transom	FL 2025
3. PANEL WALL			
A. SIDING	Certainteed/James Hardie	cement siding	FL 1573/FL 889
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK	Pittsburgh Corning Inc.	glass block with mortar	FL 1363
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Owens Corning	30 Oakridge Architectural shingles	FL 85
B. NON-STRUCT METAL	Unico	26 Gauge Metal Roofing	NOA 02-0726.06
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER	Warrior	15# and 30# felt	FL 2346
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson Strong Tie	fasteners, connectors, straps, lintel straps,	FL474/FL538/FL1901
B. WOOD ANCHORS	Simpson Strong Tie	epoxy, sleeve anchors, wedge anchors,	FL402
C. TRUSS PLATES	Alpine Engineered Products	structural truss plates	FL 1999
D. INSULATION FORMS			
E. LINTELS			
F. OTHER			
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.

 9/29/05
 APPLICANT SIGNATURE DATE

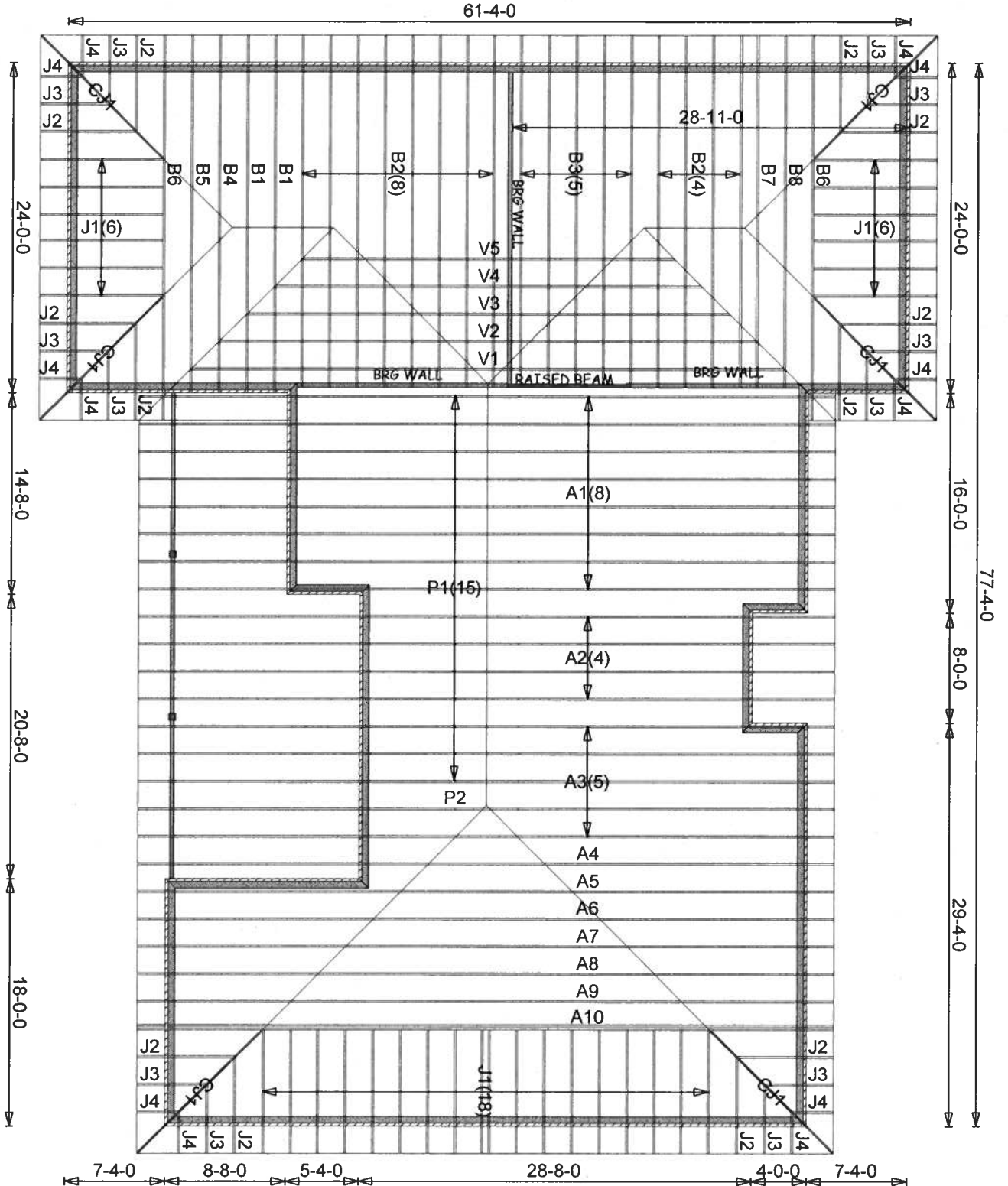
Mayo Truss Co. Inc.

362 NE CLAYDE AVE.
MAYO, FL 32066
(386) 234-3988
(877) 558-6262

ROMAC

TIMBROOK-BOONE

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
Spacing: 2'-0" o.c.

Account: RO-MAC
Job: ROMAC-BOONE
Designer: A. HIGSMITH
Checker: M. MURRAY
Date: 01-26-06

Permit Number: _____ Lot Number: _____
 Miscellaneous: _____ Address: _____

The information in this box is for administrative purposes only and is not part of the engineering review.

Truss Fabricator: Mayo Truss Company, Inc

Job Reference: ROMAC-BOONE - TIMBROOK-BOONE

Standard Loading:

T.C. Live	20 psf
T.C. Dead	10 psf
B.C. Live	0 psf
B.C. Dead	10 psf
Total	40 psf

**ROBBINS
ENGINEERING, INC.**

P.O. Box 280055
Tampa, FL 33682-0055
Phone: (813) 972-1135

Engineering Index Sheet

Index Page 1 of 1

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06011898	01/20/2006		30

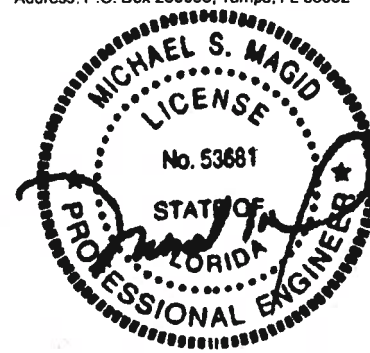
A Professional Engineer's seal affixed to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibility of the Building Designer, as defined in ANSI/TPI 1-1995, Section 2.2. Permanent files of the original Truss Specification Sheet are maintained by Robbins Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above or Robbins Engineering, Inc. (Software - Online Plus)

ANSI/ASCE 7-02
Wind Speed - 110 mph
Mean Roof Ht. - 15 ft.
Exposure Category - B
Occupancy Factor - 1.00
MWFRS
Enclosed

Notes: Refer to individual truss design drawings for special loading conditions.

Date Mark			Date Mark			Date Mark			Date Mark		
1	01/20/06	A1	2	01/20/06	A2	3	01/20/06	A3	4	01/20/06	A4
5	01/20/06	A5	6	01/20/06	A6	7	01/20/06	A7	8	01/20/06	A8
9	01/20/06	A9	10	01/20/06	A10	11	01/20/06	B1	12	01/20/06	B2
13	01/20/06	B3	14	01/20/06	B4	15	01/20/06	B5	16	01/20/06	B6
17	01/20/06	B7	18	01/20/06	B8	19	01/20/06	CJ1	20	01/20/06	J1
21	01/20/06	J2	22	01/20/06	J3	23	01/20/06	J4	24	01/20/06	P1
25	01/20/06	P2	26	01/20/06	V1	27	01/20/06	V2	28	01/20/06	V3
29	01/20/06	V4	30	01/20/06	V5						

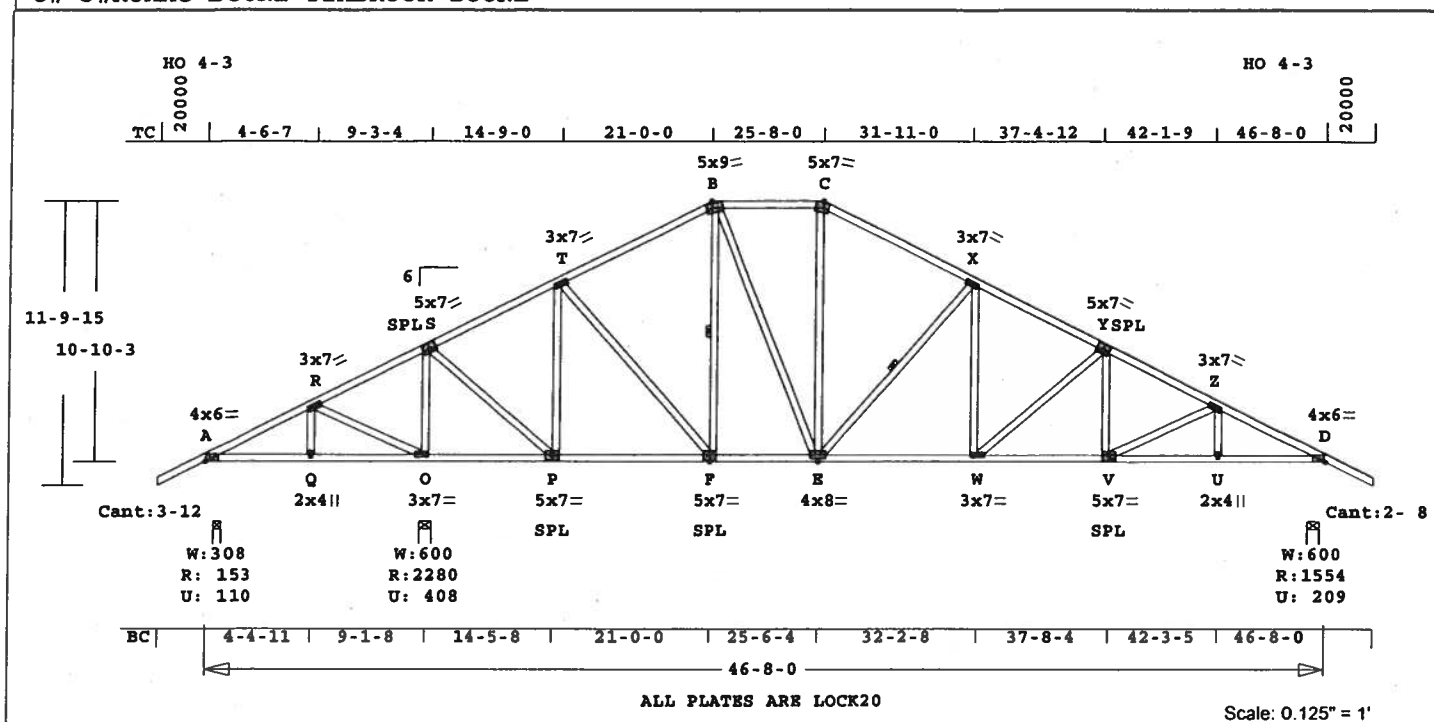
Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 1/20/2006

Job	Mark	Quan	Type	Spa	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A1	8	HIPP	460800	'6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 384.9 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ---Lumber---
TC 0.38 2x 4 SP-#2
BC 0.57 2x 4 SP-#2
WB 0.64 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 8- 0
BC Cont. 0- 0- 0 46- 8- 0
WB 1 rows CLB on F -B
WB 1 rows CLB on E -X
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	154	111	3- 8	1- 0
			Hz =	-233
O	2280	408	6- 0	2- 9
D	1555	210	6- 0	1-13
			Hz =	234

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -R	0.26	263	T	0.05	0.21
R -S	0.34	710	T	0.12	0.22
S -T	0.37	694	C	0.00	0.37
T -B	0.37	1088	C	0.00	0.37
B -C	0.12	1148	C	0.00	0.12
C -X	0.37	1291	C	0.01	0.36
X -Y	0.38	1862	C	0.02	0.36
Y -Z	0.25	2314	C	0.03	0.22
Z -D	0.24	2614	C	0.04	0.20
-----Bottom Chords-----					
A -Q	0.12	223	C	0.00	0.12
Q -O	0.14	223	C	0.00	0.14
O -P	0.20	634	C	0.00	0.20
P -F	0.26	626	T	0.06	0.20

F -E	0.26	968	T	0.16	0.10
E -W	0.39	1671	T	0.28	0.11
W -V	0.45	2077	T	0.34	0.11
V -U	0.49	2327	T	0.39	0.10
U -D	0.57	2327	T	0.39	0.18

Q -R	0.02	193	T
R -O	0.15	454	C
O -S	0.54	1983	C
S -P	0.30	1646	T
P -T	0.64	937	C
T -F	0.09	510	T
F -B	0.10	272	C
B -E	0.10	470	T
E -C	0.04	316	T
E -X	0.25	786	C
W -X	0.08	509	T
W -Y	0.33	529	C
V -Y	0.04	298	T
V -Z	0.09	276	C
U -Z	0.02	132	T

LL Defl -0.10" in W -V L/999
TL Defl -0.22" in E -W L/999
Shear // Grain in T -B 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 0.80
R LOCK	3.0x 7.0 Ctr Ctr 0.44
S LOCK	5.0x 7.0-0.2 0.5 0.85
T LOCK	3.0x 7.0 Ctr Ctr 0.48
B LOCK	5.0x 9.0 1.3-3.5 0.79
C LOCK	5.0x 7.0-0.8-3.2 0.74
X LOCK	3.0x 7.0 Ctr Ctr 0.48
Y LOCK	5.0x 7.0 0.2 0.5 0.85
Z LOCK	3.0x 7.0 Ctr Ctr 0.44
D LOCK	4.0x 6.0 Ctr 0.1 0.80
Q LOCK	2.0x 4.0 Ctr Ctr 0.52
O LOCK	3.0x 7.0 Ctr Ctr 0.49
P LOCK	5.0x 7.0 Ctr-0.5 0.86
F LOCK	5.0x 7.0 Ctr-0.5 0.86
E LOCK	4.0x 8.0 Ctr Ctr 0.55
W LOCK	3.0x 7.0 Ctr Ctr 0.47
V LOCK	5.0x 7.0 Ctr-0.5 0.86
U LOCK	2.0x 4.0 Ctr Ctr 0.52

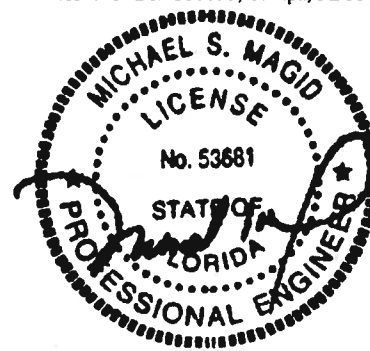
REVIEWED BY:
Robbins Engineering, Inc.

PO Box 280055
Tampa, FL 33682

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

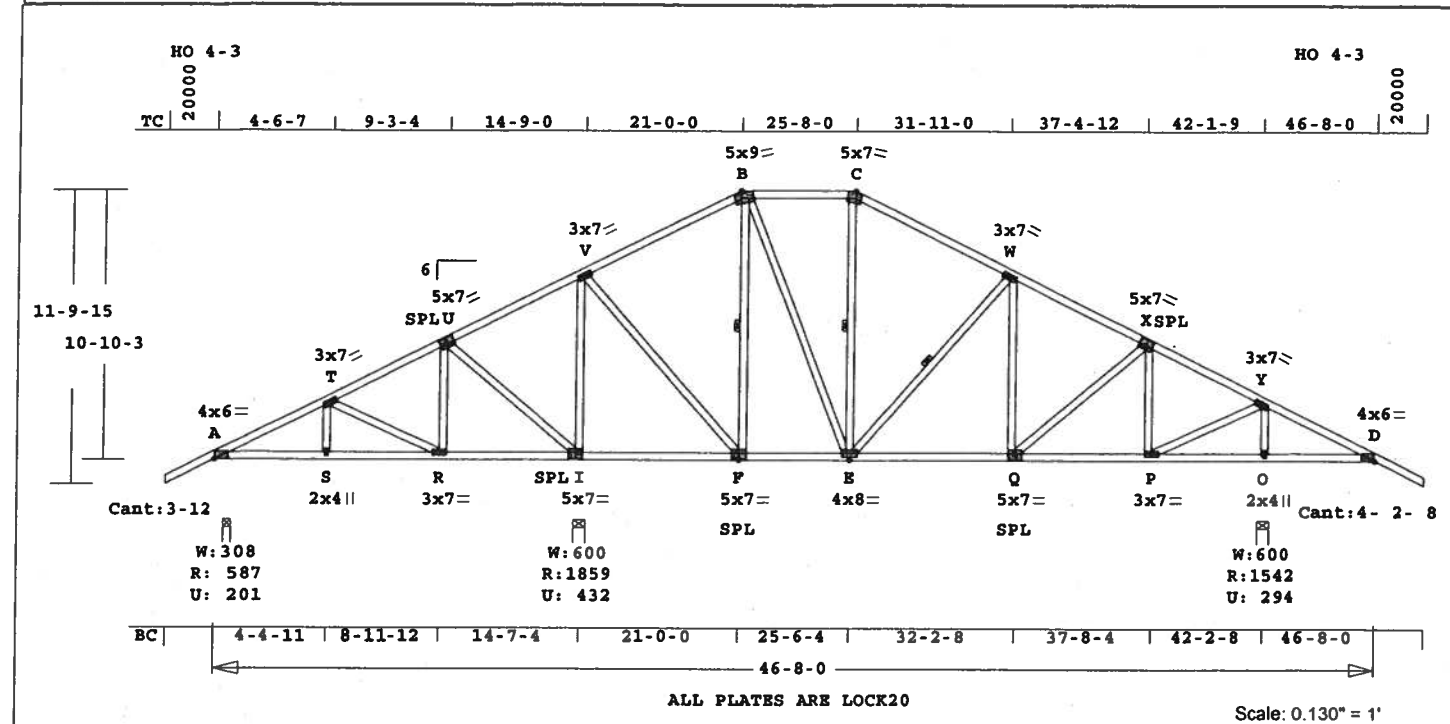
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 3-12 9- 1- 8
Max comp. force 2614 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A2	4	HIPP	460800	6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 384.9 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ---Lumber---
TC 0.45 2x 4 SP-#2
BC 0.29 2x 4 SP-#2
WB 0.94 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 8- 0
BC Cont. 0- 0- 0 46- 8- 0
WB 1 rows CLB on F -B
WB 1 rows CLB on E -C
WB 1 rows CLB on E -W
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
Lbs	Lbs	In-Sx	In-Sx	
A	587	201	3- 8	1- 0
			Hx =	-233
I	1859	432	6- 0	2- 1
O	1543	295	6- 0	1-11
			Hx =	233

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -T	0.15	602	C	0.00	0.15
T -U	0.21	209	C	0.00	0.21
U -V	0.45	261	T	0.05	0.40
V -B	0.40	432	C	0.00	0.40
B -C	0.17	564	C	0.00	0.17
C -W	0.39	640	C	0.00	0.39
W -X	0.39	935	C	0.00	0.39
X -Y	0.23	852	C	0.00	0.23
Y -D	0.28	301	T	0.05	0.23
-----Bottom Chords-----					
A -S	0.14	541	T	0.05	0.09
S -R	0.17	541	T	0.05	0.12
R -I	0.24	189	T	0.01	0.23

I -F	0.23	226	C	0.00	0.23
F -E	0.19	381	T	0.03	0.16
E -Q	0.29	844	T	0.08	0.21
Q -P	0.28	760	T	0.07	0.21
P -O	0.14	256	C	0.00	0.14
O -D	0.14	256	C	0.00	0.14
-----Webs-----					
S -T	0.02	173	T		
T -R	0.13	388	C		
R -U	0.04	322	T		
U -I	0.34	543	C		
I -V	0.94	1377	C		
V -F	0.16	906	T		
F -B	0.21	570	C		1 Br
B -E	0.11	478	T		
E -C	0.01	101	T		1 Br
E -W	0.13	421	C		1 Br
Q -W	0.03	209	T		
Q -X	0.02	110	T		
P -X	0.10	395	C		
P -Y	0.20	1124	T		
O -Y	0.14	1285	C		

LL Defl -0.04" in E -Q L/999
TL Defl -0.11" in E -Q L/999
LL Cant -0.01" in O -D L/999
Shear // Grain in V -B 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.

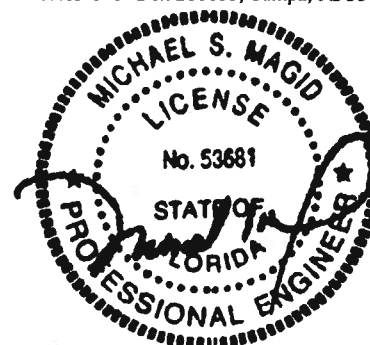
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.80
T LOCK 3.0x 7.0 Ctr Ctr 0.44
U LOCK 5.0x 7.0-0.2 0.5 0.85
V LOCK 3.0x 7.0 Ctr Ctr 0.55
B LOCK 5.0x 9.0 1.3-3.5 0.79
C LOCK 5.0x 7.0-0.8-3.2 0.74
W LOCK 3.0x 7.0 Ctr Ctr 0.48
X LOCK 5.0x 7.0 0.2 0.5 0.85
Y LOCK 3.0x 7.0 Ctr Ctr 0.45
D LOCK 4.0x 6.0 Ctr 0.1 0.80
S LOCK 2.0x 4.0 Ctr Ctr 0.52
R LOCK 3.0x 7.0 Ctr Ctr 0.49
I LOCK 5.0x 7.0 Ctr-0.5 0.86
F LOCK 5.0x 7.0 Ctr-0.5 0.86
E LOCK 4.0x 8.0 Ctr Ctr 0.55
Q LOCK 5.0x 7.0 Ctr-0.5 0.86
P LOCK 3.0x 7.0 Ctr Ctr 0.49
O LOCK 2.0x 4.0 Ctr Ctr 0.52

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

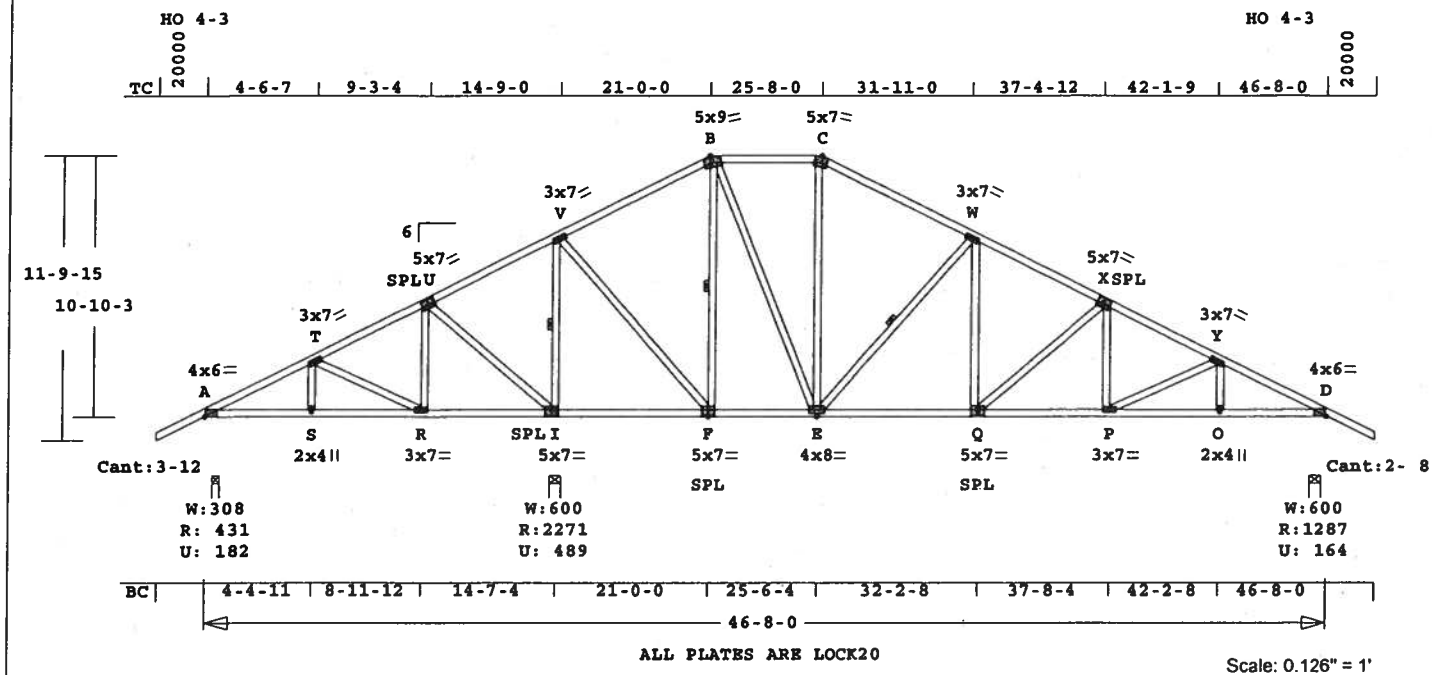
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 3-12 14- 7- 4
Max comp. force 1377 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Spaa	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A3	5	HIPP	460800	'6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 384.9 LBS

Tampa, FL 33682

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

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

CSI -Size- ---Lumber---
TC 0.53 2x 4 SP-#2
BC 0.43 2x 4 SP-#2
WB 0.34 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 8- 0
BC Cont. 0- 0- 0 46- 8- 0
WB 1 rows CLB on I -V
WB 1 rows CLB on F -B
WB 1 rows CLB on E -W
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
Lbs	Lbs	In-Sx	In-Sx	
A	431	182	3- 8	1- 0
			Hx =	-233
I	2271	489	6- 0	2- 8
D	1287	165	6- 0	1- 8
			Hx =	234

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -T	0.17	291 C	0.00 0.17
T -U	0.24	144 T	0.03 0.21
U -V	0.53	600 T	0.11 0.42
V -B	0.42	374 C	0.00 0.42
B -C	0.19	617 C	0.00 0.19
C -W	0.38	699 C	0.00 0.38
W -X	0.39	1276 C	0.01 0.38
X -Y	0.22	1734 C	0.01 0.21
Y -D	0.18	2065 C	0.02 0.16
-----Bottom Chords-----			
A -S	0.12	266 T	0.02 0.10
S -R	0.14	266 T	0.02 0.12
R -I	0.23	128 C	0.00 0.23
I -F	0.23	529 C	0.00 0.23

F -E	0.19	330 T	0.03 0.16
E -Q	0.32	1148 T	0.11 0.21
Q -P	0.38	1557 T	0.26 0.12
P -O	0.38	1840 T	0.30 0.08
O -D	0.43	1840 T	0.30 0.13
-----Webs-----			
S -T	0.02	183 T	
T -R	0.13	416 C	
R -U	0.05	327 T	
U -I	0.34	547 C	
I -V	0.34	1784 C	1 Br
V -F	0.23	1280 T	
F -B	0.31	850 C	1 Br
B -E	0.18	751 T	
E -C	0.01	122 T	
C -W	0.25	798 C	1 Br
Q -W	0.08	513 T	
Q -X	0.33	534 C	
P -X	0.04	307 T	
P -Y	0.10	313 C	
O -Y	0.02	145 T	

LL Defl -0.07" in Q -P L/999
TL Defl -0.16" in E -Q L/999
Shear // Grain in V -B 0.25

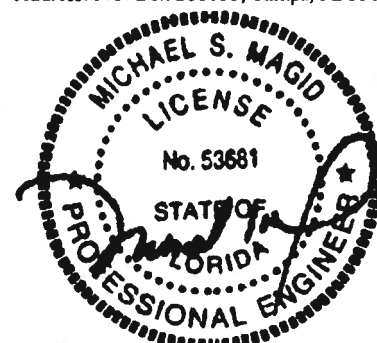
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.80
T	LOCK	3.0x 7.0	Ctr	Ctr	0.44
U	LOCK	5.0x 7.0	0.2	0.5	0.85
V	LOCK	3.0x 7.0	Ctr	Ctr	0.78
B	LOCK	5.0x 9.0	1.3-3.5	0.79	
C	LOCK	5.0x 7.0	0.8-3.2	0.74	
W	LOCK	3.0x 7.0	Ctr	Ctr	0.48
X	LOCK	5.0x 7.0	0.2	0.5	0.85
Y	LOCK	3.0x 7.0	Ctr	Ctr	0.44
D	LOCK	4.0x 6.0	Ctr	0.1	0.80
S	LOCK	2.0x 4.0	Ctr	Ctr	0.52
R	LOCK	3.0x 7.0	Ctr	Ctr	0.49
I	LOCK	5.0x 7.0	Ctr	0.5	0.86
F	LOCK	5.0x 7.0	Ctr	0.5	0.86
E	LOCK	4.0x 8.0	Ctr	Ctr	0.55
Q	LOCK	5.0x 7.0	Ctr	0.5	0.86
P	LOCK	3.0x 7.0	Ctr	Ctr	0.49
O	LOCK	2.0x 4.0	Ctr	Ctr	0.52

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

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.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 3-12 14- 7- 4
Max comp. force 2065 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



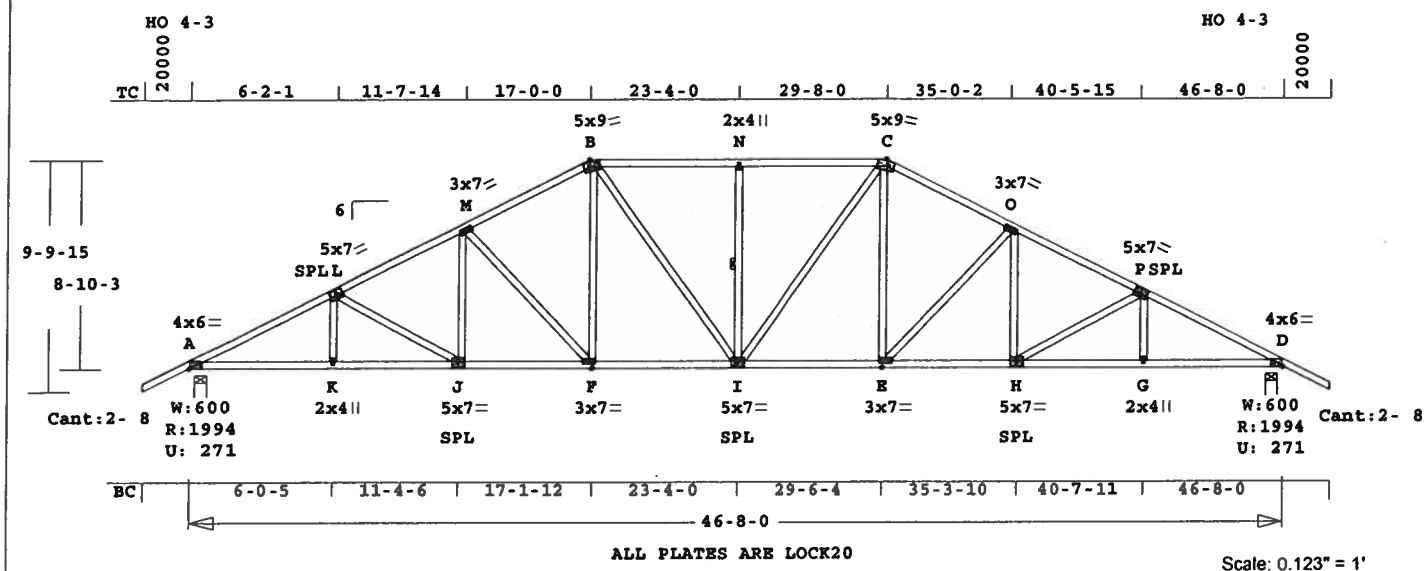
Engineering
T06011898

Scale: 0.127" = 1'

A circular professional engineer seal for Michael S. Magid. The outer ring contains the text "MICHAEL S. MAGID" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 53681" is in the center, and "STATE OF FLORIDA" is at the bottom. A stylized signature, "Magid", is written across the bottom half of the seal.

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A5	1	HIPP	460800	6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 361.2 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ----Lumber----

TC	0.49	2x 4	SP-#2
BC	0.73	2x 4	SP-#2
WB	0.48	2x 4	SP-#2

Brace truss as follows:

O.C. From To

TC Cont.	0- 0- 0	46- 8- 0
BC Cont.	0- 0- 0	46- 8- 0

WB 1 rows CLB on I -N
Attach CLB with (2)-10d nails at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1995	271	6- 0	2- 6
			Hz =	-188
D	1995	271	6- 0	2- 6
			Hz =	189

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -L	0.39	3486	C	0.08	0.31
L -M	0.37	3081	C	0.12	0.25
M -B	0.35	2609	C	0.04	0.31
B -N	0.49	2536	C	0.04	0.45
N -C	0.49	2536	C	0.04	0.45
C -O	0.35	2609	C	0.04	0.31
O -P	0.37	3081	C	0.12	0.25
P -D	0.39	3486	C	0.08	0.31
-----Bottom Chords-----					
A -K	0.73	3109	T	0.52	0.21

K	-J	0.63	3109	T	0.52	0.11
J	-F	0.56	2758	T	0.46	0.10
F	-I	0.51	2330	T	0.39	0.12
I	-E	0.51	2330	T	0.39	0.12
E	-H	0.56	2758	T	0.46	0.10
H	-G	0.63	3109	T	0.52	0.11
G	-D	0.73	3109	T	0.52	0.21
-----Webs-----						
K	-L	0.02	190	T		
L	-J	0.19	401	C		
J	-M	0.05	377	T		
M	-F	0.48	605	C		
F	-B	0.10	553	T		
B	-I	0.12	350	T		
I	-N	0.11	438	C		
I	-C	0.12	350	T		
E	-C	0.10	553	T		
E	-O	0.48	605	C		
H	-O	0.05	377	T		
H	-P	0.19	401	C		
G	-P	0.02	190	T		

LL Defl -0.22" in F -I L/999
TL Defl -0.46" in F -I L/999
Shear // Grain in B -N 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 0.80
L	LOCK	5.0x	7.0-0.2	0.5 0.85
M	LOCK	3.0x	7.0	Ctr Ctr 0.47
B	LOCK	5.0x	9.0	0.8-3.5 0.74
N	LOCK	2.0x	4.0	Ctr Ctr 0.52
C	LOCK	5.0x	9.0-0.8-3.5	0.74
O	LOCK	3.0x	7.0	Ctr Ctr 0.47
P	LOCK	5.0x	7.0	0.2 0.5 0.85
D	LOCK	4.0x	6.0	Ctr 0.1 0.80
K	LOCK	2.0x	4.0	Ctr Ctr 0.52
J	LOCK	5.0x	7.0	Ctr-0.5 0.86
F	LOCK	3.0x	7.0	Ctr Ctr 0.49
I	LOCK	5.0x	7.0	Ctr-0.5 0.86
E	LOCK	3.0x	7.0	Ctr Ctr 0.49
H	LOCK	5.0x	7.0	Ctr-0.5 0.86
G	LOCK	2.0x	4.0	Ctr Ctr 0.52

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

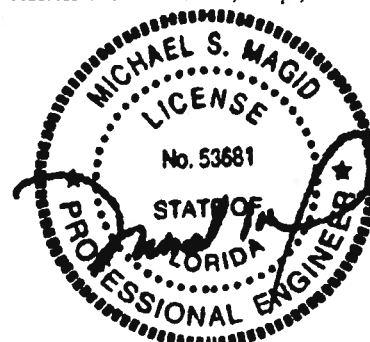
OH Loading

Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph

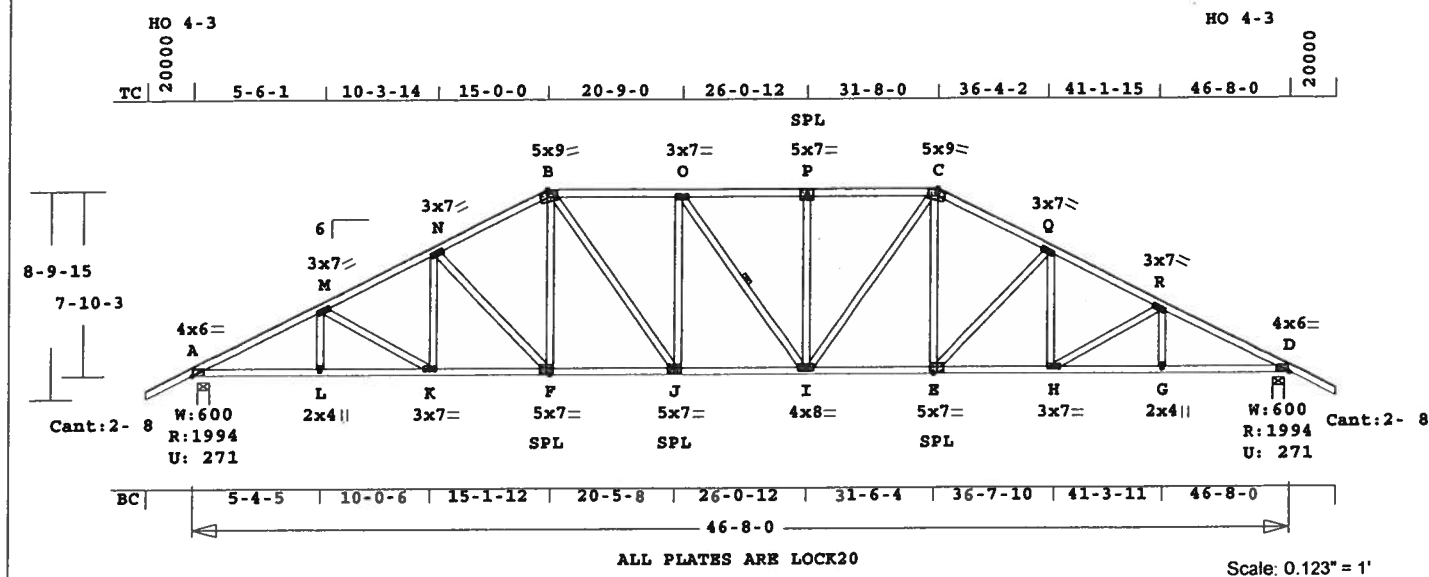
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3486 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A6	1	HIPP	460800	'6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 370.4 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ---Lumber---
TC 0.38 2x 4 SP-#2
BC 0.75 2x 4 SP-#2
WB 0.32 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 46- 8- 0
BC Cont. 0- 0- 0 46- 8- 0
WB 1 rows CLB on O -I
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplft Size Req'd
Lbs Lbs In-Sx In-Sx
A 1995 271 6- 0 2- 6
Hz = -165
D 1995 271 6- 0 2- 6
Hz = 166

Membr CSI P Lbs Axl-CSt-Bnd
---Top Chords---
A -M 0.38 3501 C 0.08 0.30
M -N 0.33 3179 C 0.11 0.22
N -B 0.32 2776 C 0.04 0.28
B -O 0.36 2818 C 0.08 0.28
O -P 0.34 2817 C 0.05 0.29
P -C 0.36 2817 C 0.08 0.28
C -Q 0.32 2776 C 0.04 0.28
Q -R 0.33 3179 C 0.11 0.22
R -D 0.38 3501 C 0.08 0.30
---Bottom Chords---
A -L 0.75 3119 T 0.52 0.23
L -K 0.64 3119 T 0.52 0.12
K -F 0.55 2847 T 0.47 0.08

F -J 0.49 2482 T 0.41 0.08
J -I 0.55 2818 T 0.47 0.08
I -E 0.49 2483 T 0.41 0.08
E -H 0.55 2847 T 0.47 0.08
H -G 0.64 3119 T 0.52 0.12
G -D 0.75 3119 T 0.52 0.23
---Webs---
L -M 0.02 151 T
M -K 0.11 311 C
K -N 0.04 323 T
N -F 0.32 515 C
F -B 0.08 479 T
B -J 0.10 571 T
J -O 0.25 351 C
O -I 0.02 81 C 1 Br
I -P 0.25 350 C
P -C 0.10 570 T
E -C 0.08 479 T
E -Q 0.32 515 C
H -Q 0.04 323 T
H -R 0.11 311 C
G -R 0.02 151 T

LL Defl -0.24" in J -I L/999
TL Defl -0.48" in J -I L/999
Shear // Grain in B -O 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 0.80
M LOCK 3.0x 7.0 Ctr Ctr 0.44
N LOCK 3.0x 7.0 Ctr Ctr 0.47
B LOCK 5.0x 9.0 0.8-3.5 0.74
O LOCK 3.0x 7.0 Ctr Ctr 0.52
P LOCK 5.0x 7.0 Ctr 0.5 0.86
C LOCK 5.0x 9.0-0.8-3.5 0.74
Q LOCK 3.0x 7.0 Ctr Ctr 0.47
R LOCK 3.0x 7.0 Ctr Ctr 0.44
D LOCK 4.0x 6.0 Ctr 0.1 0.80
L LOCK 2.0x 4.0 Ctr Ctr 0.52
K LOCK 3.0x 7.0 Ctr Ctr 0.46
F LOCK 5.0x 7.0 Ctr-0.5 0.86
J LOCK 5.0x 7.0 Ctr-0.5 0.86
I LOCK 4.0x 8.0 Ctr Ctr 0.47
E LOCK 5.0x 7.0 Ctr-0.5 0.86
H LOCK 3.0x 7.0 Ctr Ctr 0.46
G LOCK 2.0x 4.0 Ctr Ctr 0.52

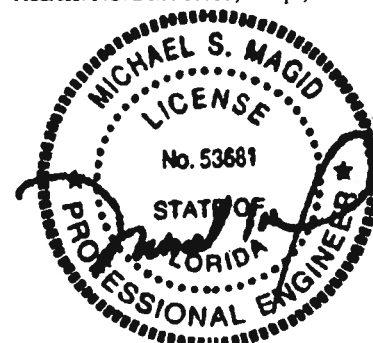
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:

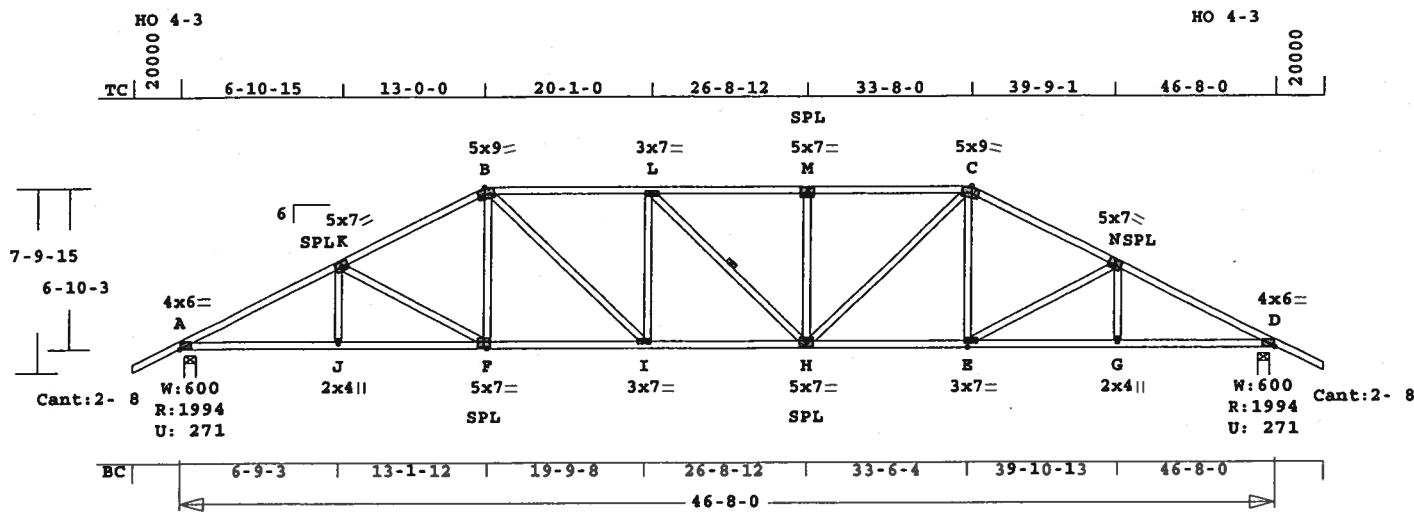
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 3501 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A7	1	HIPP	460800	6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



ALL PLATES ARE LOCK20

Scale: 0.123" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 327.6 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ----Lumber----
TC 0.61 2x 4 SP-#2
BC 0.69 2x 4 SP-#2
WB 0.31 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 46- 8- 0
BC Cont. 0- 0- 0 46- 8- 0
WB 1 rows CLB on L -H
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1995	271	6- 0	2- 6
			Hx =	-143
D	1995	271	6- 0	2- 6
			Hx =	144

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -K	0.42	3458 C	0.16	0.26
K -B	0.39	2965 C	0.12	0.27
B -L	0.61	3239 C	0.16	0.45
L -M	0.51	3238 C	0.07	0.44
M -C	0.61	3238 C	0.16	0.45
C -N	0.39	2965 C	0.12	0.27
N -D	0.42	3458 C	0.16	0.26
-----Bottom Chords-----				
A -J	0.69	3087 T	0.51	0.18

J -F	0.65	3087 T	0.51	0.14
F -I	0.58	2649 T	0.44	0.14
I -H	0.67	3239 T	0.54	0.13
H -E	0.58	2649 T	0.44	0.14
E -G	0.65	3087 T	0.51	0.14
G -D	0.69	3087 T	0.51	0.18
-----Webs-----				
J -K	0.03	233 T		
K -F	0.31	489 C		
F -B	0.06	440 T		
B -I	0.15	815 T		
I -L	0.23	427 C		
L -H	0.02	70 C		
H -M	0.23	427 C		
H -C	0.15	814 T		
E -C	0.06	440 T		
E -N	0.31	489 C		
G -N	0.03	233 T		

LL Defl -0.26" in I -H L/999
TL Defl -0.55" in I -H L/978
Shear // Grain in B -L 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga, Gross Area
Jt Type	Plt Size	X Y JSI
A	LOCK	4.0x 6.0 Ctr 0.1 0.80
K	LOCK	5.0x 7.0-0.2 0.5 0.85
B	LOCK	5.0x 9.0 0.8-3.5 0.74
L	LOCK	3.0x 7.0 Ctr Ctr 0.49
M	LOCK	5.0x 7.0 Ctr 0.5 0.86
C	LOCK	5.0x 9.0-0.8-3.5 0.74
N	LOCK	5.0x 7.0 0.2 0.5 0.85
D	LOCK	4.0x 6.0 Ctr 0.1 0.80
J	LOCK	2.0x 4.0 Ctr Ctr 0.52
F	LOCK	5.0x 7.0 Ctr-0.5 0.86
I	LOCK	3.0x 7.0 Ctr Ctr 0.49
H	LOCK	5.0x 7.0 Ctr-0.5 0.86
E	LOCK	3.0x 7.0 Ctr Ctr 0.47
G	LOCK	2.0x 4.0 Ctr Ctr 0.52

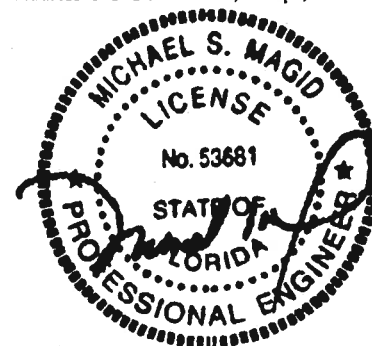
REVIEWED BY:
Robbins Engineering, Inc.

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

NOTES:

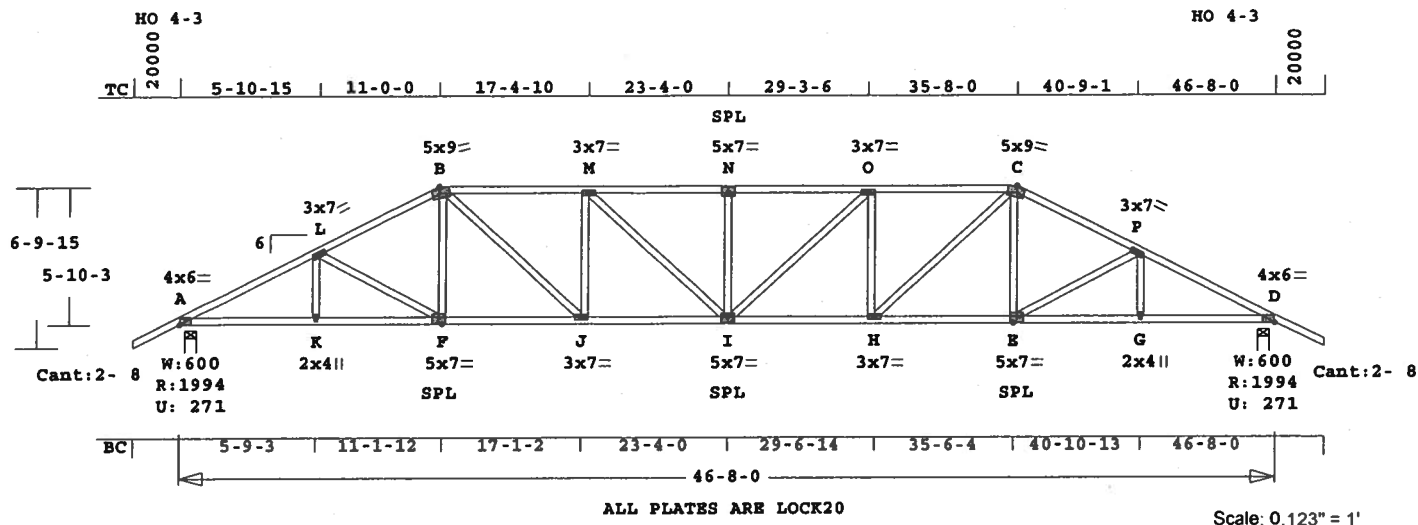
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 3458 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A8	1	HIPP	460800	6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 331.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ----Lumber----
TC 0.50 2x 4 SP-#2
BC 0.73 2x 4 SP-#2
WB 0.24 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 46- 8- 0
BC Cont. 0- 0- 0 46- 8- 0

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
A 1995 271 6- 0 2- 6
Hz = -120
D 1995 271 6- 0 2- 6
Hz = 121

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -L 0.39 3487 C 0.08 0.31
L -B 0.35 3122 C 0.06 0.29
B -M 0.50 3625 C 0.16 0.34
M -N 0.45 3886 C 0.10 0.35
N -O 0.45 3886 C 0.10 0.35
O -C 0.50 3625 C 0.16 0.34
C -P 0.35 3122 C 0.06 0.29
P -D 0.39 3487 C 0.08 0.31
-----Bottom Chords-----
A -K 0.73 3107 T 0.52 0.21
K -F 0.63 3107 T 0.52 0.11
F -J 0.57 2795 T 0.46 0.11
J -I 0.69 3626 T 0.60 0.09

I -H 0.69 3626 T 0.60 0.09
H -E 0.57 2795 T 0.46 0.11
E -G 0.63 3107 T 0.52 0.11
G -D 0.73 3107 T 0.52 0.21

-----Webs-----
K -L 0.02 176 T
L -F 0.15 348 C
F -B 0.05 363 T
B -J 0.20 1117 T
J -M 0.24 626 C
M -I 0.06 352 T
I -N 0.13 354 C
N -O 0.06 352 T
O -H 0.24 626 C
H -C 0.20 1117 T
C -E 0.05 363 T
E -P 0.15 348 C
P -G 0.02 176 T

LL Defl -0.32" in J -I L/999
TL Defl -0.65" in J -I L/835
Shear // Grain in B -M 0.26

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 0.80
L LOCK 3.0x 7.0 Ctr 0.44
B LOCK 5.0x 9.0 0.8-3.5 0.74
M LOCK 3.0x 7.0 Ctr 0.48
N LOCK 5.0x 7.0 Ctr 0.5 0.86
O LOCK 3.0x 7.0 Ctr 0.48
C LOCK 5.0x 9.0-0.8-3.5 0.74
P LOCK 3.0x 7.0 Ctr 0.44
D LOCK 4.0x 6.0 Ctr 0.1 0.80
K LOCK 2.0x 4.0 Ctr 0.52
F LOCK 5.0x 7.0 Ctr-0.5 0.86
J LOCK 3.0x 7.0 Ctr 0.48
I LOCK 5.0x 7.0 Ctr-0.5 0.86
H LOCK 3.0x 7.0 Ctr 0.48
E LOCK 5.0x 7.0 Ctr-0.5 0.86
G LOCK 2.0x 4.0 Ctr 0.52

REVIEWED BY:

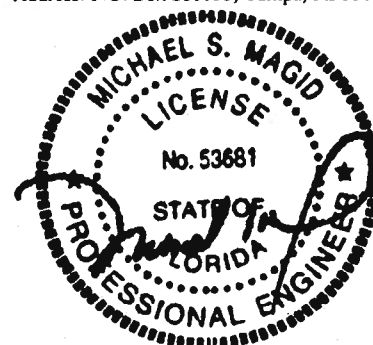
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

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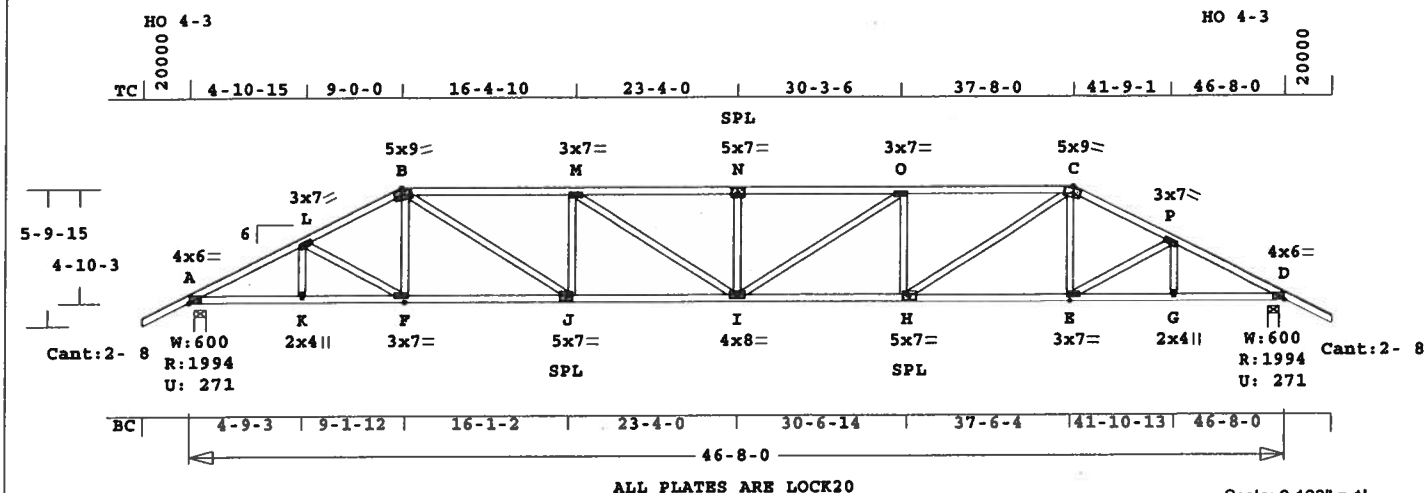
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 3886 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A9	1	HIPP	460800	6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 316.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI	-Size-	----	Lumber----
TC	0.88	2x 4	SP-#2
BC	0.85	2x 4	SP-#2
WB	0.30	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	46- 8- 0
BC Cont.	0- 0- 0	46- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1995	271	6- 0	2- 6
			Hz =	-98
D	1995	271	6- 0	2- 6
			Hz =	99

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - L	0.37	3494	C	0.08	0.29
L - B	0.34	3280	C	0.07	0.27
B - M	0.88	4323	C	0.32	0.56
M - N	0.71	4755	C	0.31	0.40
N - O	0.71	4755	C	0.31	0.40
O - C	0.88	4323	C	0.32	0.56
C - P	0.34	3280	C	0.07	0.27
P - D	0.37	3494	C	0.08	0.29
-----Bottom Chords-----					
A - K	0.75	3104	T	0.52	0.23
K - F	0.65	3104	T	0.52	0.13
F - J	0.62	2943	T	0.49	0.13
J - I	0.85	4323	T	0.72	0.13

I - H	0.85	4323	T	0.72	0.13
H - E	0.62	2943	T	0.49	0.13
E - G	0.65	3104	T	0.52	0.13
G - D	0.75	3104	T	0.52	0.23

-----Webs-----					
K - L	0.01	98	T		
L - F	0.05	176	C		
F - B	0.04	316	T		
B - J	0.30	1629	T		
J - M	0.19	724	C		
M - I	0.09	513	T		
I - N	0.11	414	C		
I - O	0.09	513	T		
H - O	0.19	724	C		
H - C	0.30	1629	T		
E - C	0.04	316	T		
E - P	0.05	176	C		
G - P	0.01	98	T		

LL Defl -0.42" in J - I L/999
TL Defl -0.86" in J - I L/628
Shear // Grain in B - M 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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	0.80
L	LOCK	3.0x	7.0	Ctr	Ctr	0.44
B	LOCK	5.0x	9.0	0.8-3.5	0.88	
M	LOCK	3.0x	7.0	Ctr	Ctr	0.46
N	LOCK	5.0x	7.0	Ctr	0.5	0.86
O	LOCK	3.0x	7.0	Ctr	Ctr	0.46
C	LOCK	5.0x	9.0-0.8-3.5	0.88		
P	LOCK	3.0x	7.0	Ctr	Ctr	0.44
D	LOCK	4.0x	6.0	Ctr	0.1	0.80
K	LOCK	2.0x	4.0	Ctr	Ctr	0.52
F	LOCK	3.0x	7.0	Ctr	Ctr	0.46
J	LOCK	5.0x	7.0	Ctr	0.5	0.86
I	LOCK	4.0x	8.0	Ctr	Ctr	0.48
H	LOCK	5.0x	7.0	Ctr	0.5	0.86
E	LOCK	3.0x	7.0	Ctr	Ctr	0.46
G	LOCK	2.0x	4.0	Ctr	Ctr	0.52

REVIEWED BY:

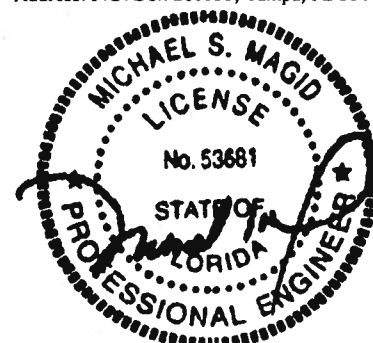
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:

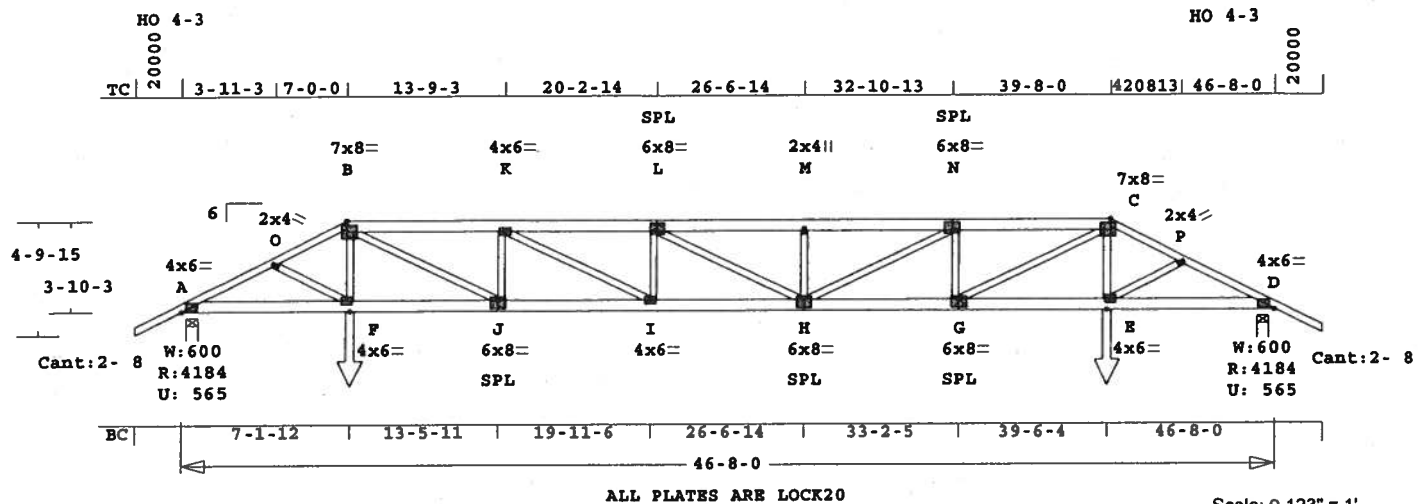
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 4755 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	A10	1*3P	HIPP	460800	6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 374.5 LBS

Online Plus -- Version 18.0.020

RUN DATE: 20-JAN-06

* 3-Ply Truss *

CSI	Size	---	Lumber	---
TC	0.23	2x 6	SP-#2	
EX A - B	2x 4	SP-#2		
EX C - D	2x 4	SP-#2		
BC	0.66	2x 6	SP-#2	
WB	0.33	2x 4	SP-#2	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	46- 8- 0
BC Cont.	0- 0- 0	46- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Load Case # 1 Girder Loading				
Lumber		Duration	Factor	1.25
Plate		Duration	Factor	1.25
plf -	Live	Dead	From	To
TC V	40	20	0.0'	46.7'
BC V	0	20	0.0'	46.7'
TC V	50	25	7.0'	39.7'
BC V	0	25	7.1'	39.5'
BC V	280	280	7.1'	CL-LB
BC V	280	280	39.5'	CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	4184	565	6- 0	1-10
			Hx =	-74
D	4184	565	6- 0	1-10
			Hx =	75

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - O	0.15	8311	C	0.05	0.10
O - B	0.20	8284	C	0.05	0.15
B - K	0.21	12265	C	0.06	0.15
K - L	0.21	14448	C	0.09	0.12
L - M	0.23	14444	C	0.09	0.14
M - N	0.21	14444	C	0.09	0.12
N - C	0.21	12266	C	0.06	0.15
C - P	0.20	8284	C	0.05	0.15
P - D	0.15	8312	C	0.05	0.10
-----Bottom Chords-----					

A - F	0.32	7383	T	0.29	0.03
F - J	0.37	7440	T	0.30	0.07
J - I	0.56	12265	T	0.49	0.07
I - H	0.66	14448	T	0.58	0.08
H - G	0.56	12266	T	0.49	0.07
G - E	0.37	7440	T	0.30	0.07
E - D	0.32	7383	T	0.29	0.03
-----Webs-----					
O - F	0.00	149	T		
F - B	0.04	752	T		
B - J	0.33	5380	T		
J - K	0.06	2063	C		
K - I	0.15	2463	T		
I - L	0.02	861	C		
L - H	0.00	95	T		
H - M	0.02	860	C		
M - N	0.15	2457	T		
G - N	0.06	2062	C		
G - C	0.33	5382	T		
E - C	0.04	752	T		
E - P	0.00	149	T		

LL Defl -0.37" in I -H L/999
TL Defl -0.75" in I -H L/724
Shear // Grain in B -K 0.13

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691

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 0.83

O LOCK 2.0x 4.0 Ctr Ctr 0.52

B LOCK 7.0x 8.0-0.5 Ctr 0.88

K LOCK 4.0x 6.0 Ctr Ctr 0.46

L LOCK 6.0x 8.0 Ctr 1.2 0.69

M LOCK 2.0x 4.0 Ctr Ctr 0.52

N LOCK 6.0x 8.0 Ctr 1.2 0.69

C LOCK 7.0x 8.0 0.5 Ctr 0.88

P LOCK 2.0x 4.0 Ctr Ctr 0.52

D LOCK 4.0x 6.0 Ctr Ctr 0.83

F LOCK 4.0x 6.0 Ctr Ctr 0.46

J LOCK 6.0x 8.0 Ctr-1.2 0.69

I LOCK 4.0x 6.0 Ctr Ctr 0.46

H LOCK 6.0x 8.0 Ctr-1.2 0.76

G LOCK 6.0x 8.0 Ctr-1.2 0.69

E LOCK 4.0x 6.0 Ctr Ctr 0.46

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 7- 0- 0

3 COMPLETE TRUSSES REQUIRED.

Fasten together in staggered

pattern. (1/2" bolts -OR-

SDS4.5 screws -OR- 16d nails

as each layer is applied.)

-----Spacing (in)-----

Rows Nails Screws Bolts

TC 1 12 24 0

BC 2 12 24 0

WB 1 4 4

No bolts in 2x4s or smaller.

Plus clusters of nails where

shown.

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LL on BC.

Prevent truss rotation at all

bearing locations.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

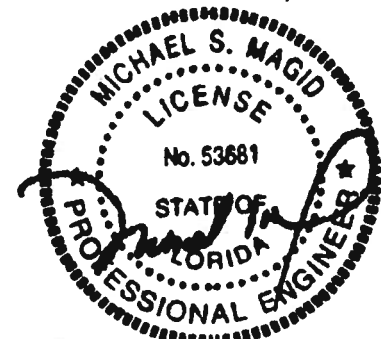
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 14448 Lbs

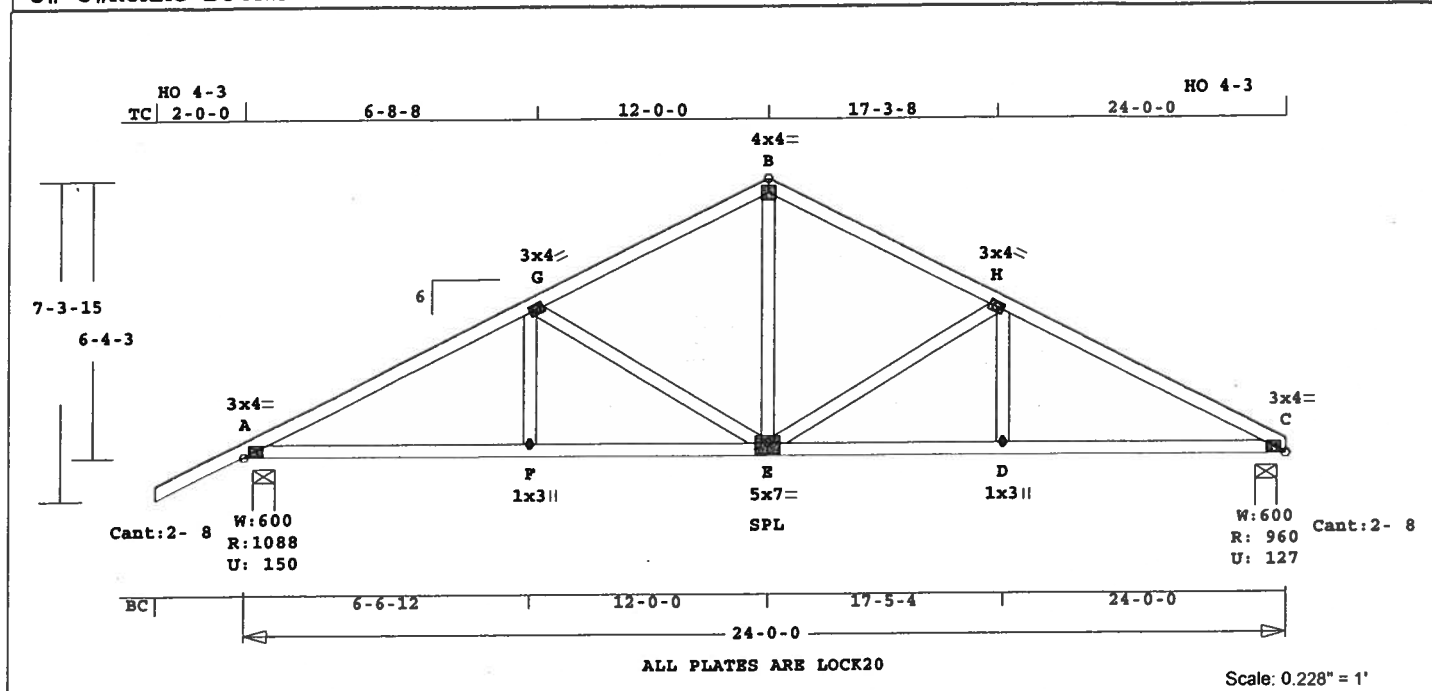
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B1	2	TR	240000	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 145.9 LBS

ADDITIONAL SPECIFICATIONS.

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

TC	Size	Lumber
0.33	2x 4	SP-#2
0.34	2x 4	SP-#2
0.25	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	24- 0- 0
BC Cont.	0- 0- 0	24- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1088	150	6- 0	1- 5
			Hz =	-115
C	960	128	6- 0	1- 2
			Hz =	116

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -G	0.33	1548	C	0.01 0.32
G -B	0.32	1063	C	0.00 0.32
B -H	0.32	1063	C	0.00 0.32
H -C	0.33	1548	C	0.01 0.32

Bottom Chords				
A -F	0.34	1388	T	0.23 0.11
F -E	0.33	1388	T	0.23 0.10
E -D	0.33	1388	T	0.23 0.10
D -C	0.34	1388	T	0.23 0.11

Webs				
F -G	0.03	240	T	
G -E	0.25	520	C	
E -B	0.11	647	T	
E -H	0.25	520	C	
D -H	0.03	240	T	

LL Defl -0.05" in E -D L/999
TL Defl -0.10" in E -D L/999
Shear // Grain in A -G 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Jt Type	Plt Size	X	Y JSI
A	LOCK	3.0x 4.0	Ctr Ctr 0.83
G	LOCK	3.0x 4.0	Ctr Ctr 0.62
B	LOCK	4.0x 4.0	Ctr Ctr 0.69
H	LOCK	3.0x 4.0	Ctr Ctr 0.62
C	LOCK	3.0x 4.0	Ctr Ctr 0.83
F	LOCK	1.0x 3.0	Ctr Ctr 0.81
E	LOCK	5.0x 7.0	Ctr-0.5 0.62
D	LOCK	1.0x 3.0	Ctr Ctr 0.81

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

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 a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

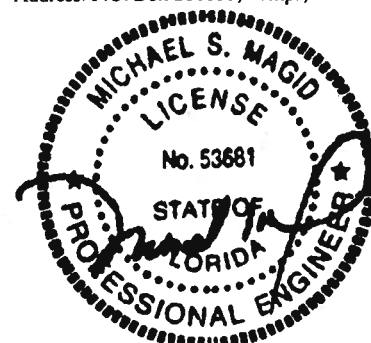
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 1548 Lbs

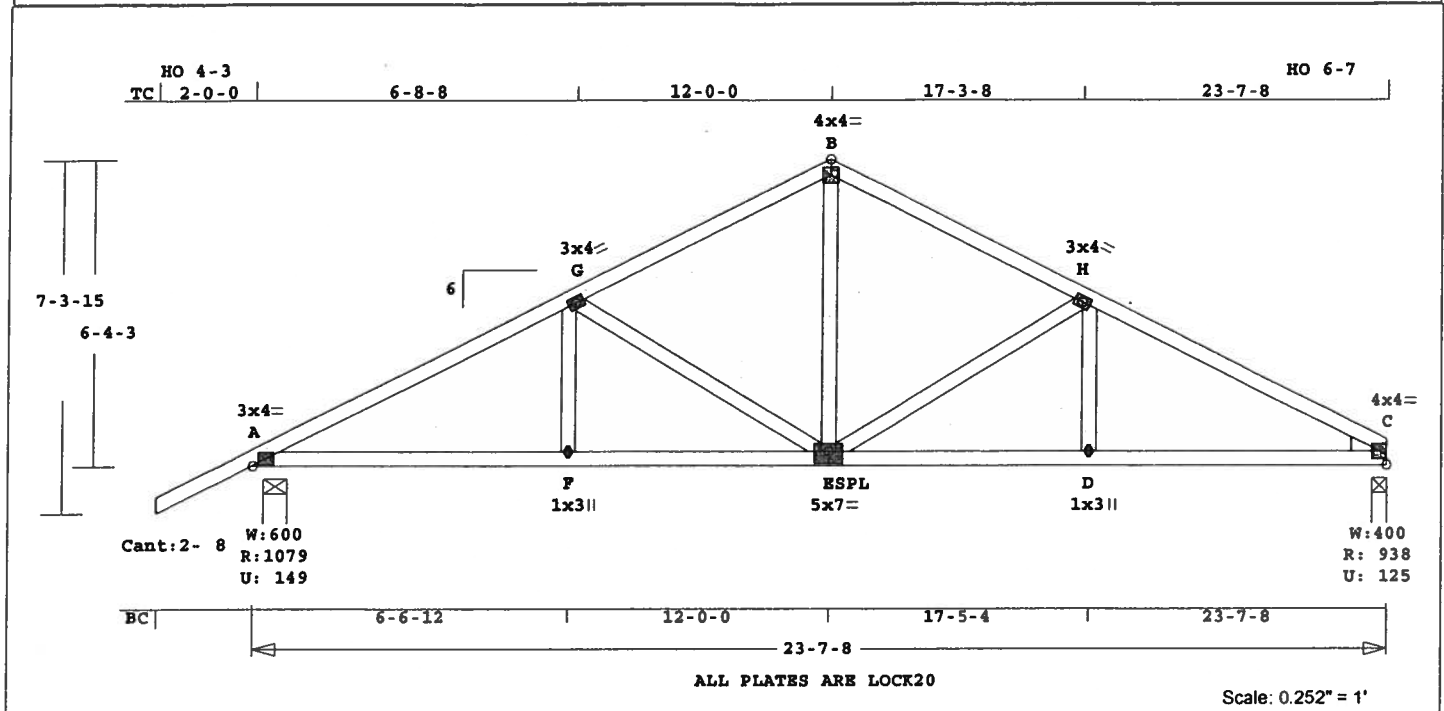
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B2	12	TR	230708	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 145.5 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI	Size	Lumber
TC	0.40	2x 4 SP-#2
BC	0.41	2x 4 SP-#2
WB	0.25	2x 4 SP-#2
PB	---	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	23- 7- 8
BC Cont.	0- 0- 0	23- 7- 8

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1079	149	6- 0	1- 4
			Hz =	-113
C	939	125	4- 0	1- 2
			Hz =	114

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - G	0.33	1529	C	0.01 0.32
G - B	0.32	1046	C	0.00 0.32
B - H	0.27	1044	C	0.00 0.27
H - C	0.40	1488	C	0.01 0.39
-----Bottom Chords-----				
A - F	0.34	1371	T	0.23 0.11
F - E	0.33	1371	T	0.23 0.10
E - D	0.31	1327	T	0.22 0.09

D - C	0.41	1327	T	0.22	0.19
-----Webs-----					
F - G	0.03	238	T		
G - E	0.25	518	C		
E - B	0.11	625	T		
E - H	0.23	466	C		
D - H	0.03	219	T		
LL Defl	-0.05"	in E - D		L/999	
TL Defl	-0.11"	in E - D		L/999	
Shear // Grain	in A - G		0.22		

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
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 0.82
G LOCK 3.0x 4.0 Ctr Ctr 0.62
B LOCK 4.0x 4.0 Ctr Ctr 0.69
H LOCK 3.0x 4.0 Ctr Ctr 0.62
C LOCK 4.0x 4.0-1.0 0.3 0.85
F LOCK 1.0x 3.0 Ctr Ctr 0.81
E LOCK 5.0x 7.0 Ctr-0.5 0.61
D LOCK 1.0x 3.0 Ctr Ctr 0.81

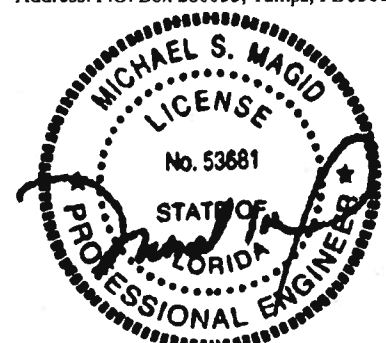
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

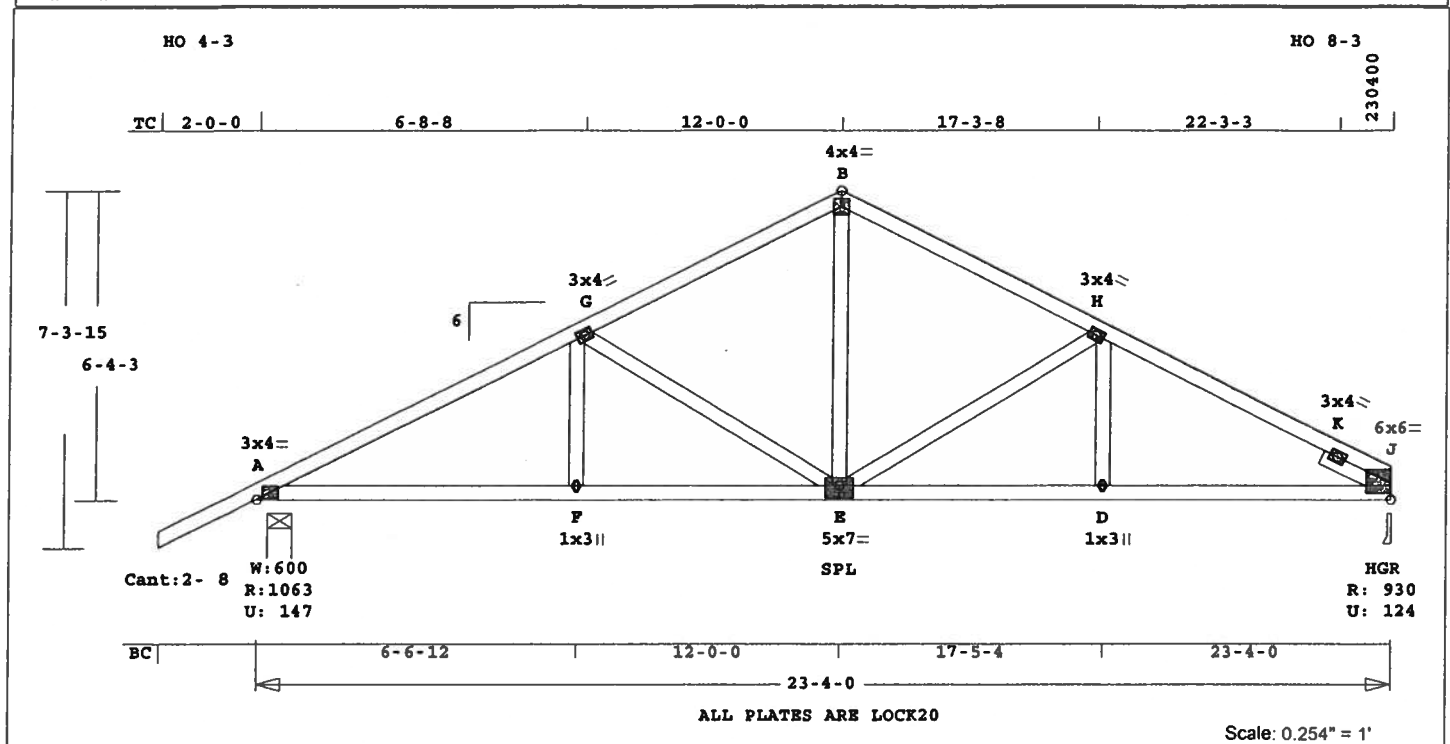
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1529 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B3	5	TR	230400	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 146.1 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI	-Size-	----	Lumber----
TC	0.34	2x 4	SP-#2
BC	0.49	2x 4	SP-#2
WB	0.25	2x 4	SP-#2
SL	0.06	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	23- 4- 0
BC Cont.	0- 0- 0	23- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1064	147	6- 0	1- 4
			Hz =	-111
J	931	124	3- 8	1- 2
			Hz =	113

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.33		1495 C	0.01	0.32
G -B	0.32		1014 C	0.00	0.32
B -H	0.24		1008 C	0.01	0.23
H -K	0.34		1373 C	0.01	0.33
K -J	0.33		820 C	0.00	0.33
-----Bottom Chords-----					
A -F	0.34		1341 T	0.22	0.12

F -E	0.32	1341 T	0.22	0.10
E -D	0.30	1221 T	0.20	0.10
D -J	0.49	1221 T	0.20	0.29
-----Webs-----				
F -G	0.03	237 T		
G -E	0.25	515 C		
E -B	0.10	584 T		
E -H	0.18	375 C		
D -H	0.02	187 T		
-----Sliders-----				
K -J	0.06	721 C		

LL Defl -0.06" in E -D L/999
TL Defl -0.12" in E -D L/999
Shear // Grain in K -K 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691

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	0.82
G	LOCK	3.0x	4.0	Ctr	Ctr	0.61
B	LOCK	4.0x	4.0	Ctr	Ctr	0.68
H	LOCK	3.0x	4.0	Ctr	Ctr	0.61
K	LOCK	3.0x	4.0	Ctr	Ctr	0.50
J	LOCK	6.0x	6.0-3.0	0.7	0.97	
F	LOCK	1.0x	3.0	Ctr	Ctr	0.81
E	LOCK	5.0x	7.0	Ctr	0.5	0.61
D	LOCK	1.0x	3.0	Ctr	Ctr	0.81

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 a Main
Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 1495 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B4	1	HIPP	240000	'6	2- 0- 0	0	T06011898

Mark
B4

Quan
1

Type
HIPP

Span
240000

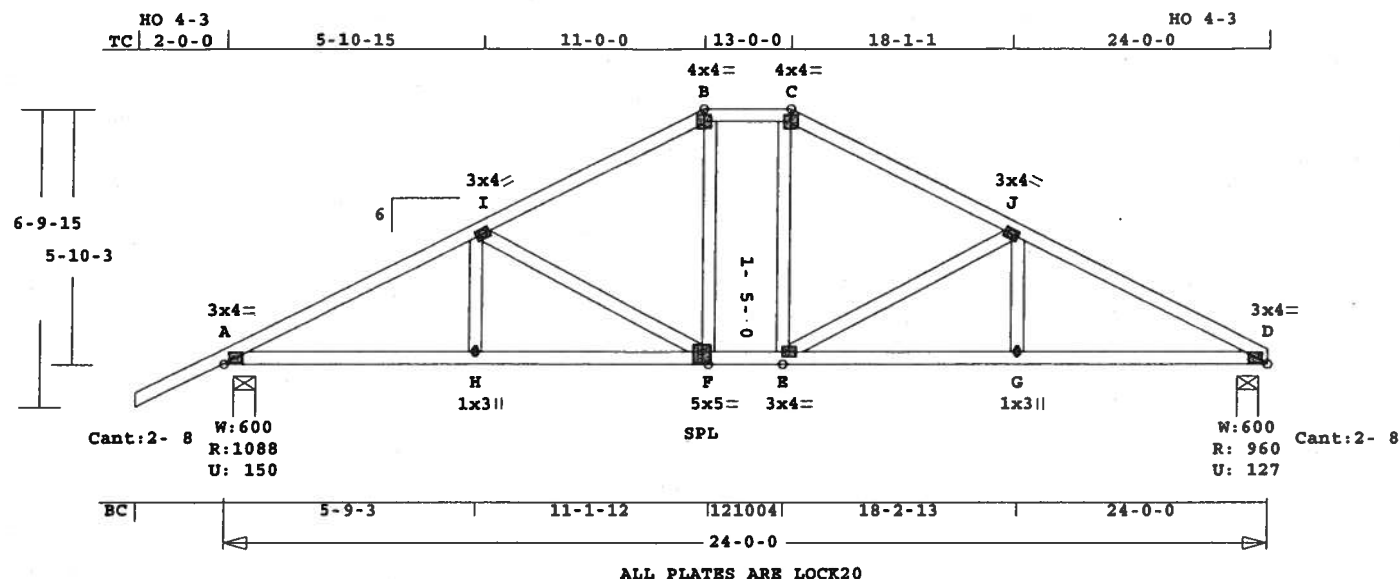
P1-H1
'6

Left OH
2- 0- 0

Right OH
0

Engineering
T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 152.1 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

Brace truss as follows:

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
A	1088	150	6- 0 Hz =	1- 5 -106
D	960	128	6- 0 Hz =	1- 2 107

Membr CSI P Lbs Axl-CSt-Bnd
-----Top Chords-----

-----Bottom Chords-----						
A	-H	0.30	1430	T	0.24	0.06
H	-F	0.31	1430	T	0.24	0.07
F	-E	0.22	1009	T	0.16	0.06
E	-G	0.31	1430	T	0.24	0.07
G	-D	0.30	1430	T	0.24	0.06

H	-I	0.03	220	T
I	-F	0.21	479	C
F	-B	0.05	306	T
E	-C	0.05	306	T
E	-J	0.21	479	C
G	-J	0.03	220	T

Plates for each ply each face.
PLATING CONFORMS TO TPI.

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
I	LOCK	3.0x	4.0	Ctr	Ctr	0.62
B	LOCK	4.0x	4.0	Ctr	Ctr	0.93
C	LOCK	4.0x	4.0	Ctr	Ctr	0.93
J	LOCK	3.0x	4.0	Ctr	Ctr	0.62
D	LOCK	3.0x	4.0	Ctr	Ctr	0.83
H	LOCK	1.0x	3.0	Ctr	Ctr	0.81
F	LOCK	5.0x	5.0	Ctr	-0.5	0.62
E	LOCK	3.0x	4.0	Ctr	Ctr	0.56
G	LOCK	1.0x	3.0	Ctr	Ctr	0.81

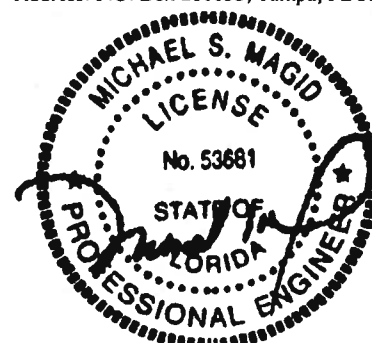
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

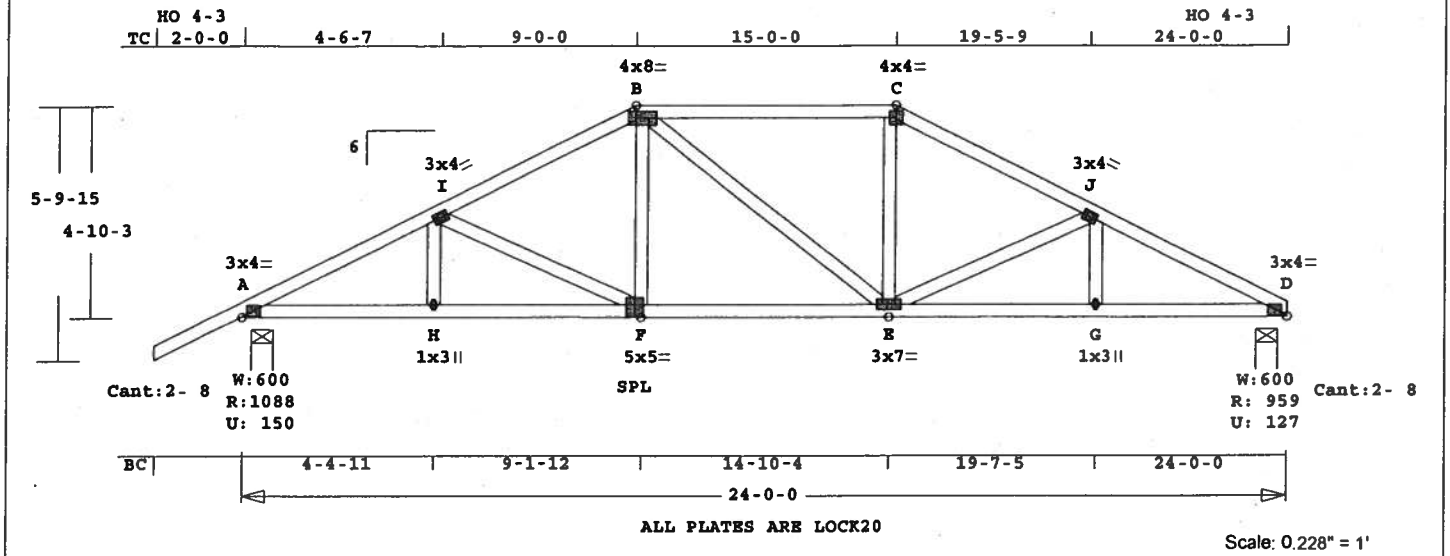
Design checked for 10 psf non-concurrent LL on BC.

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B5	1	HIPP	240000	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 154.6 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ----Lumber----

TC	0.33	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
WB	0.10	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	24- 0- 0
BC Cont.	0- 0- 0	24- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1088	150	6- 0	1- 5
			Hz =	-86
D	960	128	6- 0	1- 2
			Hz =	87

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -I	0.15	1651 C	0.01	0.14
I -B	0.22	1312 C	0.01	0.21
B -C	0.33	1179 C	0.01	0.32
C -J	0.20	1313 C	0.01	0.19
J -D	0.14	1651 C	0.01	0.13
-----Bottom Chords-----				
A -H	0.32	1471 T	0.24	0.08
H -F	0.32	1471 T	0.24	0.08
F -E	0.29	1173 T	0.19	0.10
E -G	0.34	1472 T	0.24	0.10
G -D	0.33	1472 T	0.24	0.09

-----Webs-----			
H -I	0.02	151 T	
I -F	0.10	322 C	
F -B	0.04	319 T	
B -E	0.04	71 T	
E -C	0.04	320 T	
E -J	0.10	324 C	
G -J	0.02	148 T	

LL Defl -0.05" in H -F L/999
TL Defl -0.12" in F -E L/999
Shear // Grain in B -C 0.21

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate	RHS	20 Ga <td>Gross Area</td>	Gross Area
Jt Type	Plt Size	X	Y
			JSI
A	LOCK	3.0x 4.0	Ctr Ctr 0.83
I	LOCK	3.0x 4.0	Ctr Ctr 0.62
B	LOCK	4.0x 8.0	Ctr Ctr 0.93
C	LOCK	4.0x 4.0	Ctr Ctr 0.93
J	LOCK	3.0x 4.0	Ctr Ctr 0.62
D	LOCK	3.0x 4.0	Ctr Ctr 0.83
H	LOCK	1.0x 3.0	Ctr Ctr 0.81
F	LOCK	5.0x 5.0	Ctr-0.5 0.62
E	LOCK	3.0x 7.0	Ctr Ctr 0.53
G	LOCK	1.0x 3.0	Ctr Ctr 0.81

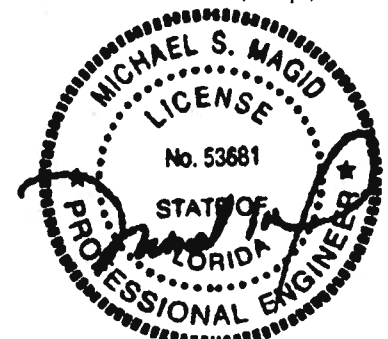
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

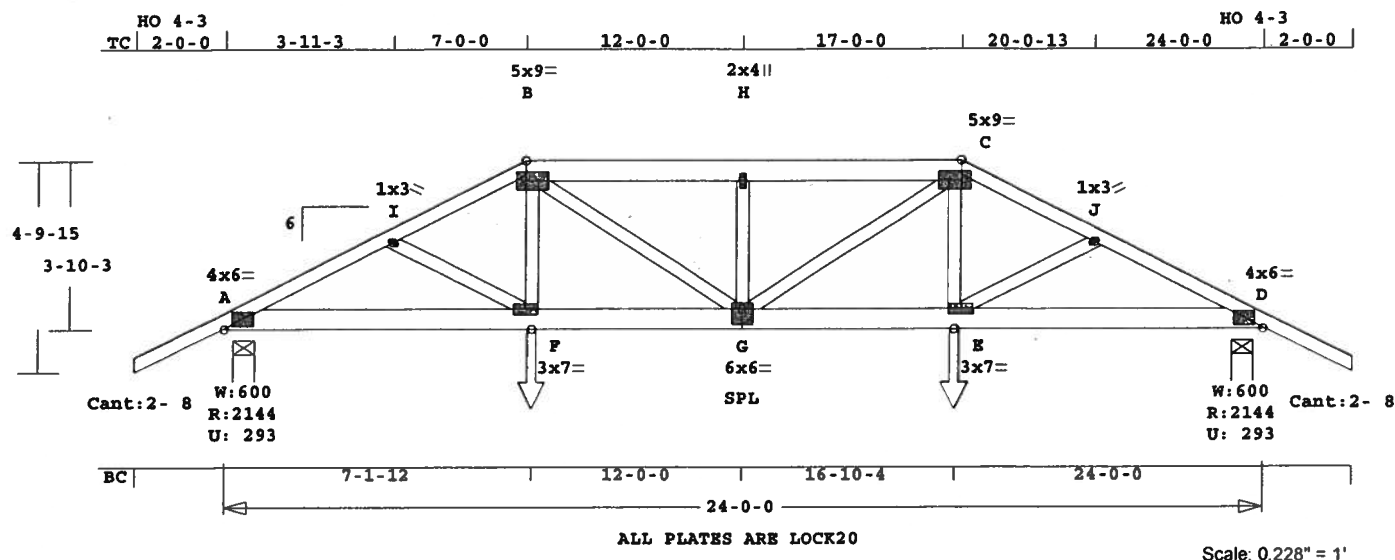
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1651 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B6	2	HIPP	240000	6	2- 0- 0	2- 0- 0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 185.4 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ----Lumber----

TC	0.57	2x 4	SP-#2
EX B -C	2x 6	SP-#2	
BC	0.60	2x 6	SP-#2
WB	0.19	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	24- 0- 0
BC Cont.	0- 0- 0	24- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Load Case # 1 Girder Loading

Lumber Duration Factor	1.25			
Plate Duration Factor	1.25			
plf - Live	Dead	From	To	
TC V	40	20	0.0'	24.0'
BC V	0	20	0.0'	24.0'
TC V	50	25	7.0'	17.0'
BC V	0	25	7.1'	16.9'
BC V	280	280	7.1'	CL-LB
BC V	280	280	16.9'	CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size Req'd
	Lbs	Lbs	In-Sx In-Sx
A	2144	293	6- 0 2- 8
			Hx = -65
D	2144	293	6- 0 2- 8
			Hx = 66

Membr CSI P Lbs Ax1-CSI-Bnd

-----Top Chords-----
A -I 0.34 3909 C 0.14 0.20

I -B	0.57	3804	C	0.11	0.46
B -H	0.45	4300	C	0.06	0.39
H -C	0.45	4300	C	0.06	0.39
C -J	0.57	3804	C	0.11	0.46
J -D	0.34	3909	C	0.14	0.20

-----Bottom Chords-----

A -F	0.60	3477	T	0.46	0.14
F -G	0.58	3417	T	0.45	0.13
G -E	0.58	3417	T	0.45	0.13
E -D	0.60	3477	T	0.46	0.14

-----Webs-----

I -F	0.01	74	T
F -B	0.12	715	T
B -G	0.19	1058	T
G -H	0.12	865	C
H -C	0.19	1058	T
E -C	0.12	715	T
E -J	0.01	74	T

LL Defl -0.13" in F -G L/999
TL Defl -0.27" in F -G L/999
Shear // Grain in B -H 0.35

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 0.88
I LOCK 1.0x 3.0 Ctr Ctr 0.75
B LOCK 5.0x 9.0 Ctr Ctr 0.96
H LOCK 2.0x 4.0 Ctr Ctr 0.40
C LOCK 5.0x 9.0 Ctr Ctr 0.96
J LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 4.0x 6.0 Ctr Ctr 0.88
F LOCK 3.0x 7.0 Ctr Ctr 0.38
G LOCK 6.0x 6.0 Ctr-1.2 0.87
E LOCK 3.0x 7.0 Ctr Ctr 0.38

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

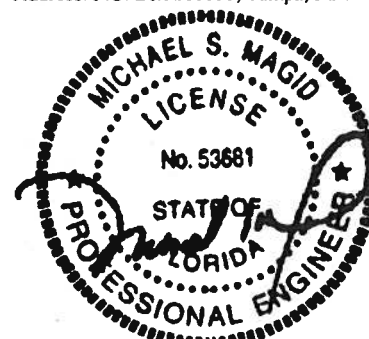
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

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 7- 0- 0

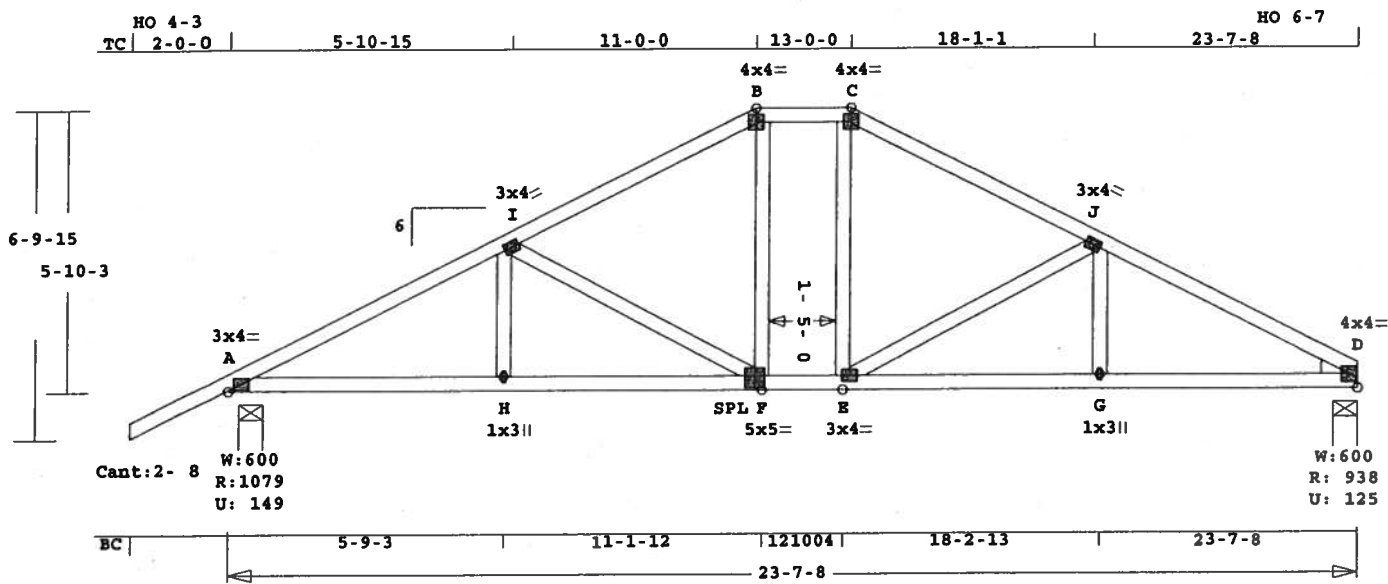
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Prevent truss rotation at all bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 4300 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B7	1	HIPP	230708	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



ALL PLATES ARE LOCK20

Scale: 0.252" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 151.7 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

TC	BC	WB	PB	Size	Lumber
0.37	0.46	0.22	---	2x 4	SP-#2
0.46	0.22	---	---	2x 4	SP-#2
0.22	---	---	---	2x 4	SP-#2
---	---	---	---	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	23- 7- 8
BC Cont.	0- 0- 0	23- 7- 8

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1079	149	6- 0	1- 4
			Hz =	-104
D	939	125	6- 0	1- 2
			Hz =	105

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - I	0.26	1578 C	0.01	0.25
I - B	0.25	1116 C	0.00	0.25
B - C	0.07	991 C	0.00	0.07
C - J	0.22	1114 C	0.01	0.21
J - D	0.37	1527 C	0.01	0.36
-----Bottom Chords-----				
A - H	0.29	1414 T	0.23	0.06
H - F	0.30	1414 T	0.23	0.07
F - E	0.24	992 T	0.16	0.08

E	G	0.31	1359 T	0.22	0.09
G	D	0.46 <td>1359 T</td> <td>0.22</td> <td>0.24</td>	1359 T	0.22	0.24
-----Webs-----					
H	I	0.03	220 T		
I	F	0.22	480 C		
F	B	0.05	302 T		
E	C	0.05	294 T		
E	J	0.19	418 C		
G	J	0.03	197 T		

LL Defl -0.05" in E -G L/999
TL Defl -0.12" in E -G L/999
Shear // Grain in J -D 0.20

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
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
A	LOCK	3.0x 4.0	Ctr Ctr
I	LOCK	3.0x 4.0	Ctr Ctr
B	LOCK	4.0x 4.0	Ctr Ctr
C	LOCK	4.0x 4.0	Ctr Ctr
J	LOCK	3.0x 4.0	Ctr Ctr
D	LOCK	4.0x 4.0-1.0	0.3 0.85
H	LOCK	1.0x 3.0	Ctr Ctr
F	LOCK	5.0x 5.0	Ctr-0.5 0.61
E	LOCK	3.0x 4.0	Ctr Ctr
G	LOCK	1.0x 3.0	Ctr Ctr

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

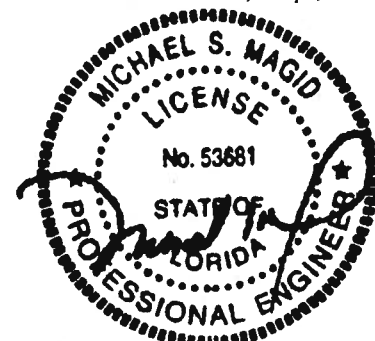
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

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

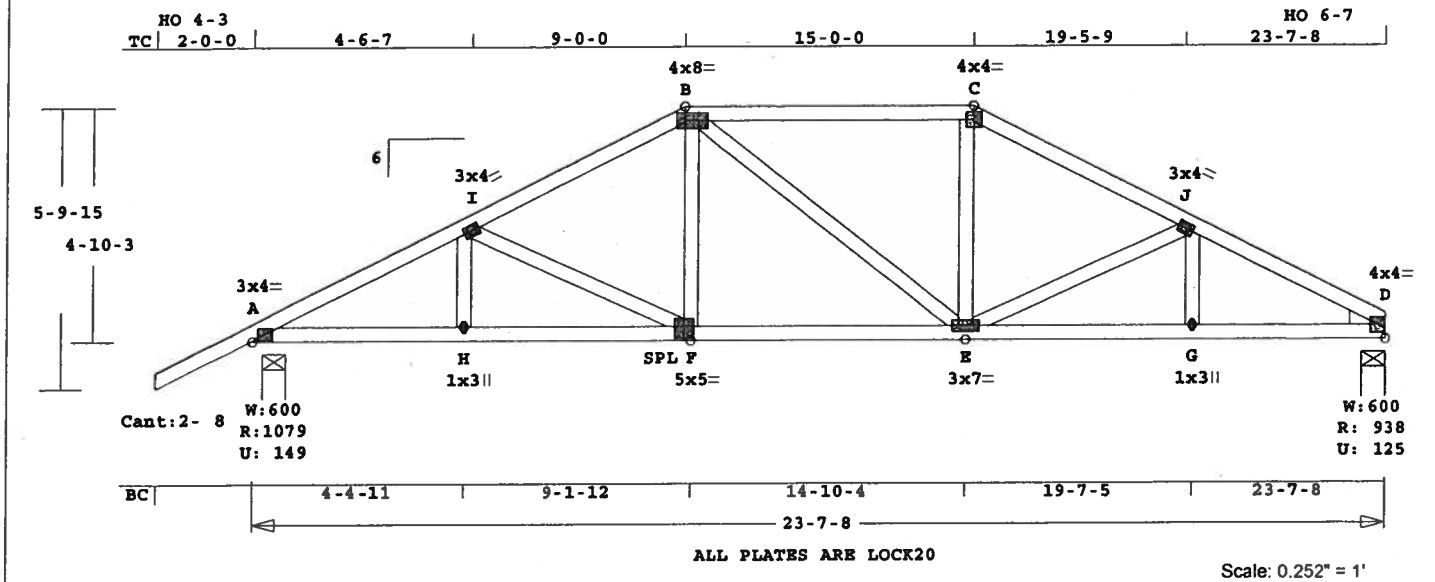
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1578 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	B8	1	HIPP	230708	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 154.2 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

	CSI	-Size-	-----Lumber----
TC	0.34	2x 4	SP-#2
BC	0.52	2x 4	SP-#2
WB	0.10	2x 4	SP-#2
PB	---	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	23- 7- 8	
BC Cont.	0- 0- 0	23- 7- 8	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1079	149	6- 0	1- 4
			Hz =	-84
D	939	125	6- 0	1- 2
			Hz =	85

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -I	0.14	1633 C	0.01	0.13
I -B	0.22	1293 C	0.01	0.21
B -C	0.33	1153 C	0.01	0.32
C -J	0.20	1282 C	0.01	0.19
J -D	0.34	1558 C	0.01	0.33
-----Bottom Chords-----				
A -H	0.32	1456 T	0.24	0.08
H -F	0.32	1456 T	0.24	0.08
F -E	0.30	1157 T	0.19	0.11
E -G	0.34	1378 T	0.23	0.11

	G -D	0.52	1378 T	0.23	0.29
-----Webs-----					
H -I	0.02	152 T			
I -F	0.10	324 C			
F -B	0.04	319 T			
B -E	0.04	68 C			
E -C	0.04	306 T			
E -J	0.08	248 C			
G -J	0.01	121 T			

LL Defl -0.05" in H -F L/999
TL Defl -0.12" in F -E L/999
Shear // Grain in B -C 0.21

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate	RHS	20 Ga, <td>Gross Area</td>	Gross Area
Jt	Type	Plt Size	X Y JSI
A	LOCK	3.0x 4.0	Ctr Ctr 0.82
I	LOCK	3.0x 4.0	Ctr Ctr 0.62
B	LOCK	4.0x 8.0	Ctr Ctr 0.92
C	LOCK	4.0x 4.0	Ctr Ctr 0.92
J	LOCK	3.0x 4.0	Ctr Ctr 0.62
D	LOCK	4.0x 4.0-1.0	0.3 0.85
H	LOCK	1.0x 3.0	Ctr Ctr 0.81
F	LOCK	5.0x 5.0	Ctr-0.5 0.61
E	LOCK	3.0x 7.0	Ctr Ctr 0.53
G	LOCK	1.0x 3.0	Ctr Ctr 0.81

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

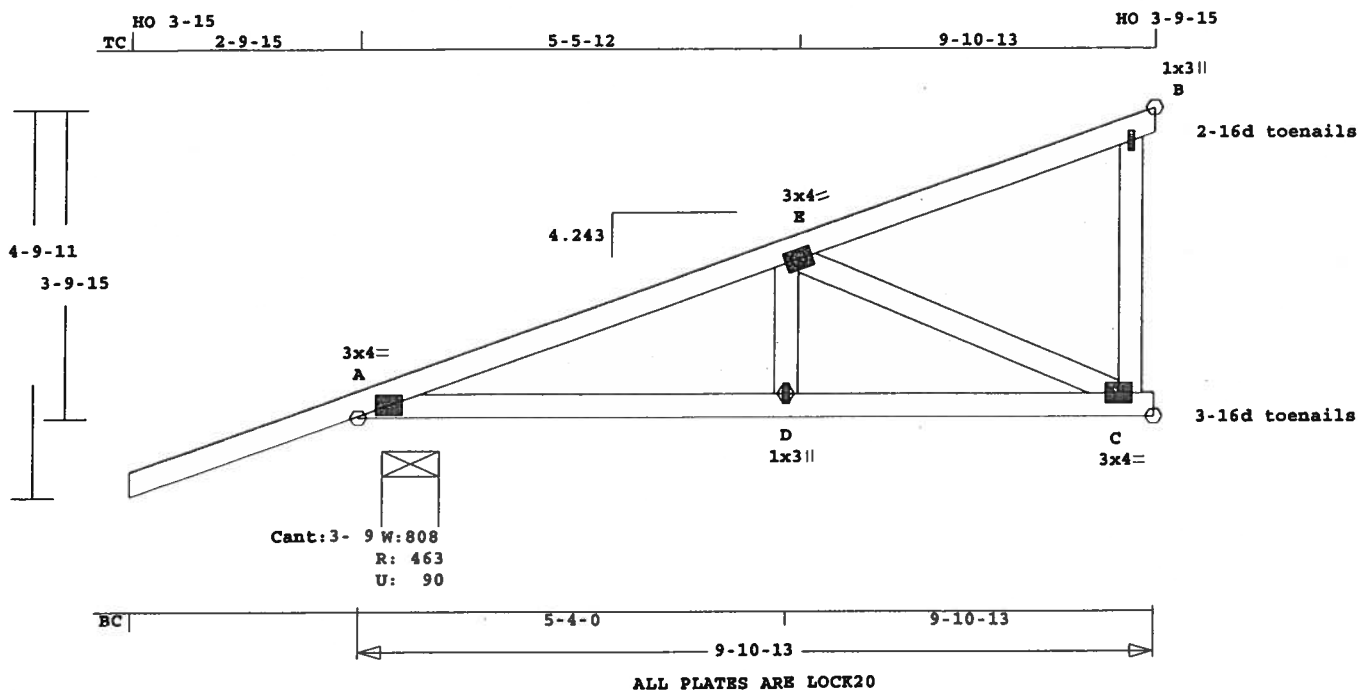
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1633 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	CJ1	6	MONO	91013	4.243	2- 9-15	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Scale: 0.421" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 61.7 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

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

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9-10-13
BC Cont.	0- 0- 0	9-10-13

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Load Case # 1 Girder Loading	Lumber Duration Factor	Plate Duration Factor	plf - Live	Dead	From	To
TC V	40	20	0.0'	9.9'		
BC V	0	20	0.0'	9.9'		
TC V	-40	-20	0.0'			
	45	22		9.9'		
BC V	0	-20	0.0'			
	0	22		9.9'		

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size Req'd
	Lbs	Lbs	In-Sx In-Sx
A	463	90	8- 8 1- 0
			H _z = -79
B	212	78	3- 8 1- 0
			H _z = 160
C	336	15	3- 8 1- 0

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -E	0.28	597	C	0.00	0.28
E -B	0.33	98	T	0.00	0.33
-----Bottom Chords-----					
A -D	0.21	577	T	0.06	0.15
D -C	0.24	577	T	0.06	0.18
-----Webs-----					
D -E	0.03	233	T		
E -C	0.17	632	C		
C -B	0.03	0	T	WindLd	

LL Defl -0.02" in D -C L/999
TL Defl -0.04" in D -C L/999
Shear // Grain in E -B 0.26

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
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
E LOCK 3.0x 4.0 Ctr Ctr 0.43
B LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 3.0x 4.0 Ctr Ctr 0.54

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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:

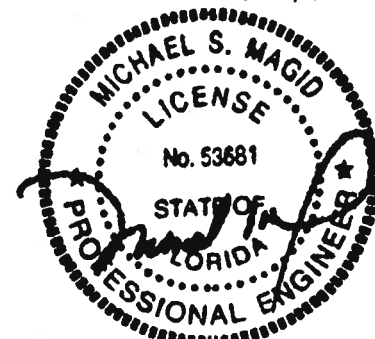
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

Girder King Jack
Loading TC and BC
Setback 7- 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.

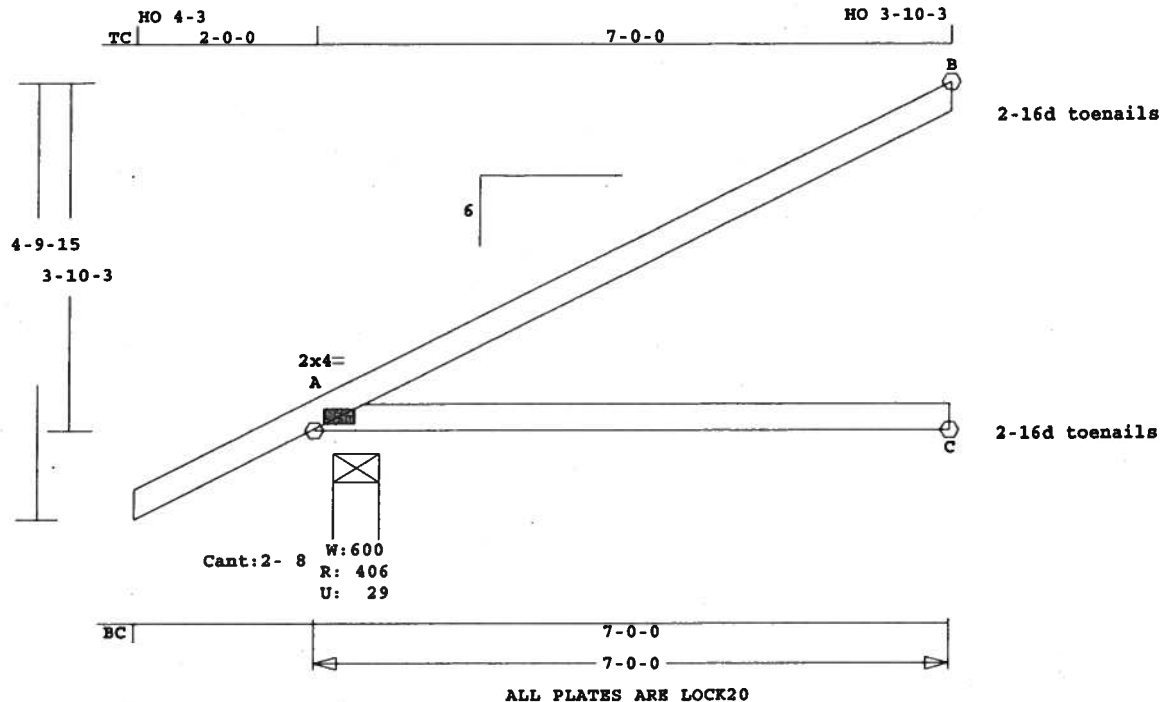
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 632 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	J1	30	JCA2	70000	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Scale: 0.473" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 32.5 LBS

A -C 0.33 72 T 0.00 0.33

concurrent LL on BC.

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

LL Defl -0.07" in A -C L/999
TL Defl -0.17" in A -C L/413
Shear // Grain in A -B 0.23

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 53 Lbs
Quality Control Factor 1.25

CSI -Size- ----Lumber----
TC 0.46 2x 4 SP-#2
BC 0.33 2x 4 SP-#2

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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 0.69

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 7- 0- 0
BC Cont. 0- 0- 0 7- 0- 0

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

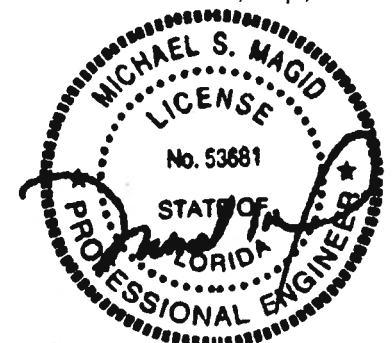
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	406	29	6- 0	1- 0
			Hz =	106
B	194	85	3- 8	1- 0
C	131	0	3- 8	1- 0
			Hz =	72

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

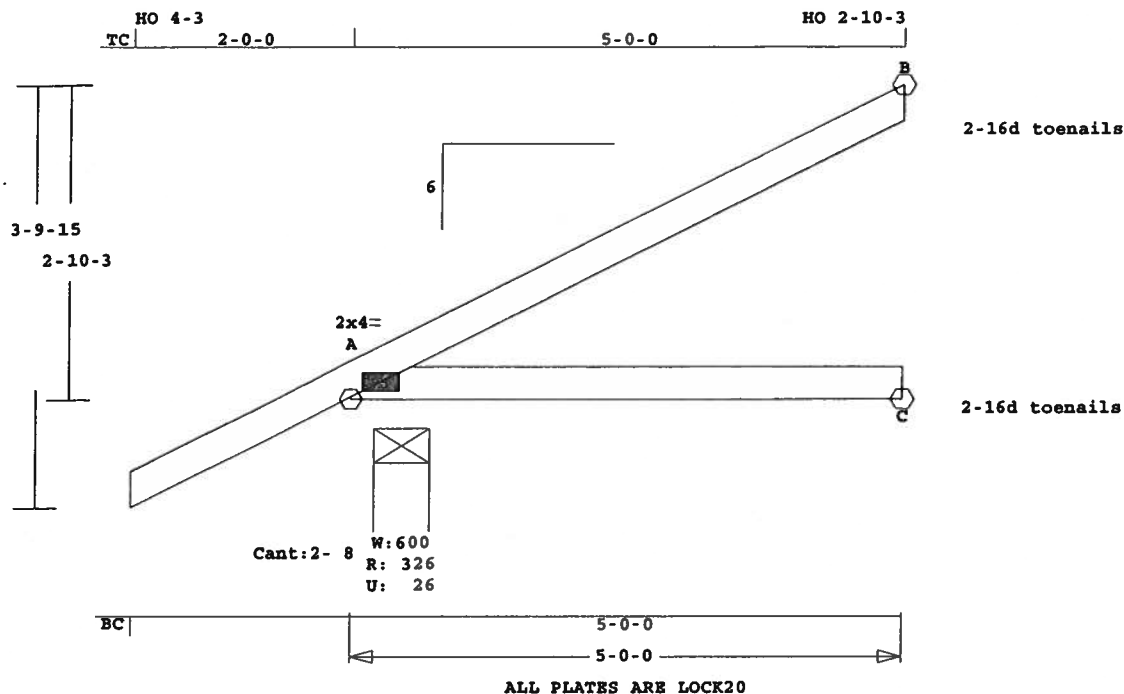
Membr CSI P Lbs Axl-CSt-Bnd
-----Top Chords-----
A -B 0.46 53 C 0.00 0.46
-----Bottom Chords-----

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	J2	12	JCA2	50000	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.5 LBS

A -C 0.16 51 T 0.00 0.16

concurrent LL on BC.

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

LL Defl -0.02" in A -C L/999
TL Defl -0.04" in A -C L/999
Shear // Grain in A -B 0.15

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph

CSI -Size- ----Lumber----
TC 0.22 2x 4 SP-#2
BC 0.16 2x 4 SP-#2

Plates for each ply each face.
PLATING CONFORMS TO TPI.

Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

Brace truss as follows:

REPORT: NER 691
ROBBINS ENGINEERING, INC.

Building Type: Enclosed
Zone location: Exterior

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

BASED ON SP' LUMBER
USING GROSS AREA TEST.

TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

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

Max comp. force 38 Lbs
Quality Control Factor 1.25

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	326	26	6- 0	1- 0
			Hz =	75
B	140	61	3- 8	1- 0
C	93	0	3- 8	1- 0
			Hz =	51

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

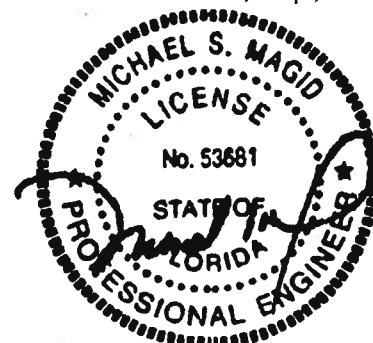
OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

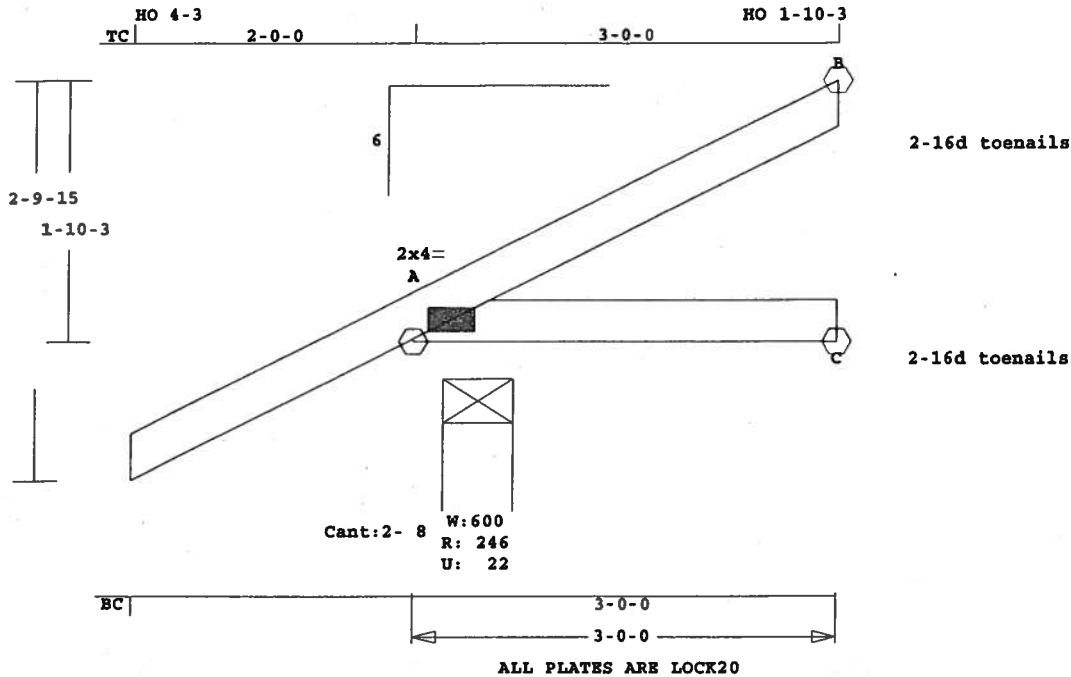
Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.22		38	C	0.00 0.22
-----Bottom Chords-----					

Truss Design Engineer: Michael S. Magid
License # 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	J3	12	JCA2	30000	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Scale: 0.739" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 16.5 LBS

A -C 0.05 30 T 0.00 0.05

concurrent LL on BC.

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

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

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 23 Lbs
Quality Control Factor 1.25

CSI -Size- ----Lumber----
TC 0.06 2x 4 SP-#2
BC 0.05 2x 4 SP-#2

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	246	23	6- 0	1- 0
			Hx =	45
B	86	38	3- 8	1- 0
C	55	0	3- 8	1- 0
			Hx =	30

Membr CSI P Lbs Axl-C SI-Bnd
-----Top Chords-----
A -B 0.06 23 C 0.00 0.06
-----Bottom Chords-----

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.

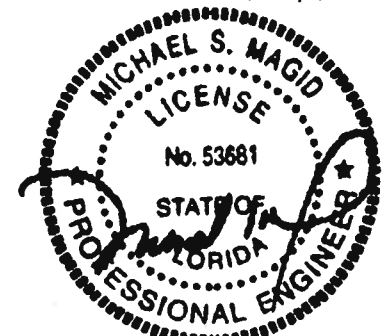
Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

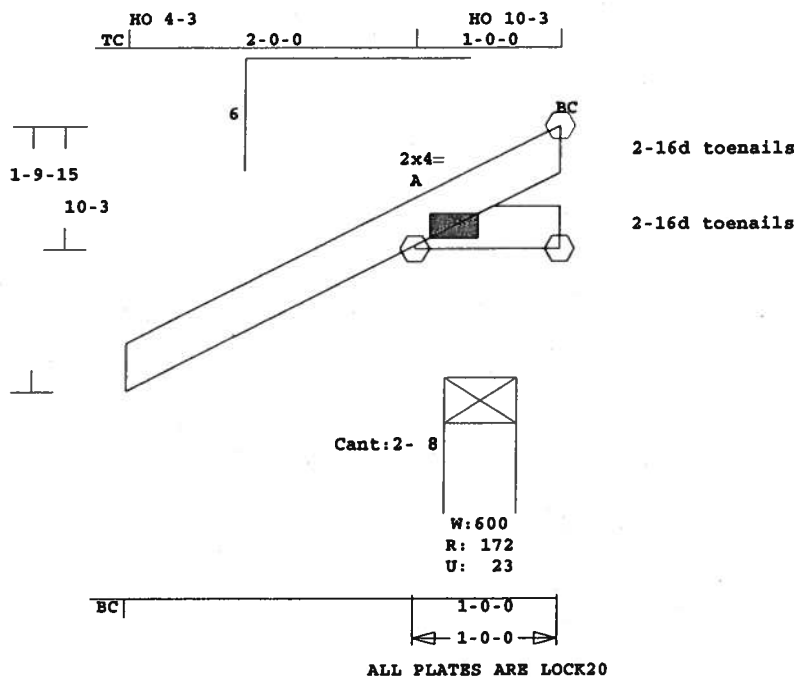
Design checked for 10 psf non-

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	J4	12	JCA2	10000	6	2- 0- 0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Scale: 0.759" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.5 LBS

LL Defl 0.00" in A -C L/999

TL Defl 0.00" in A -C L/999

Shear // Grain in A -B 0.02

Truss is designed as a Main Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 4 Lbs

Quality Control Factor 1.25

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

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 1- 0- 0

BC Cont. 0- 0- 0 1- 0- 0

Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORT: NER 691

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

Loading Live Dead (psf)

TC 20.0 10.0

BC 0.0 10.0

Total 20.0 20.0 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

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

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

Plus 5 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Jt React Uplft Size Req'd

Lbs Lbs In-Sx In-Sx

A 172 23 3- 8 1- 0

Hz = 13

B 20 9 1- 8 1- 0

C 14 0 1- 8 1- 0

Membr CSI P Lbs Axl-CSI-Bnd

-----Top Chords-----

A -B 0.00 4 C

-----Bottom Chords-----

A -C 0.00 8 T

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

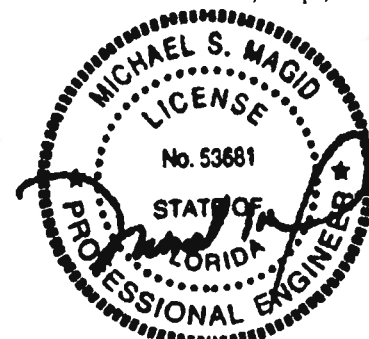
OH Loading

Soffit psf 2.0

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

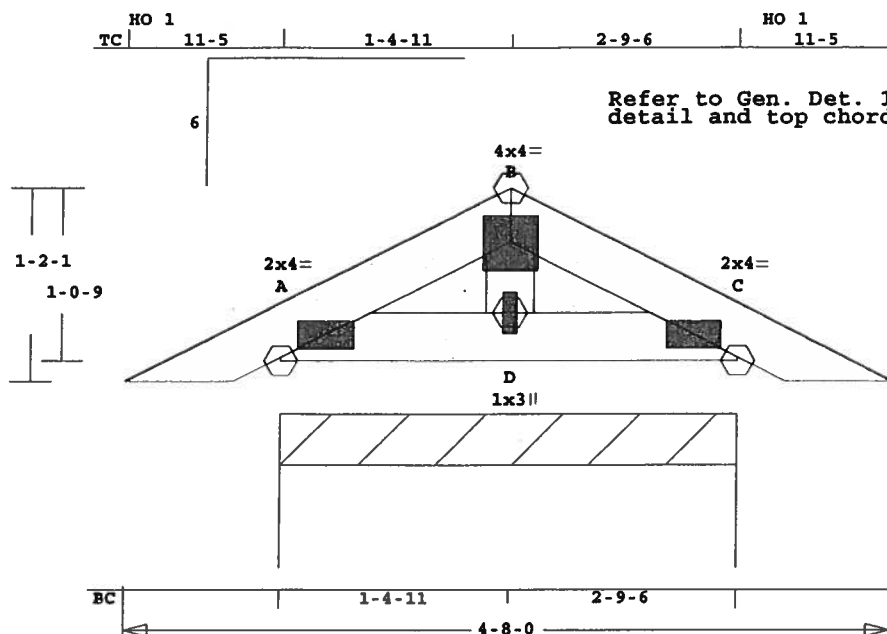
Wind Loads - ANSI / ASCE 7-02

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	P1	15	TR	40800	6	11- 5	11- 5	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



ALL PLATES ARE LOCK20

Scale: 0.861" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 15.9 LBS

D -C 0.00 1 T

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 a Main Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 37 Lbs

Quality Control Factor 1.25

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

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

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

LL Defl 0.00" in A -D L/999
TL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.03

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691

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 0.43

C LOCK 2.0x 4.0 Ctr Ctr 0.65

D LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	to 2- 9- 6		
	343	51	Hz	= 10

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.00		36	C	
B -C	0.00		36	C	
-----Bottom Chords-----					
A -D	0.00		1	T	

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

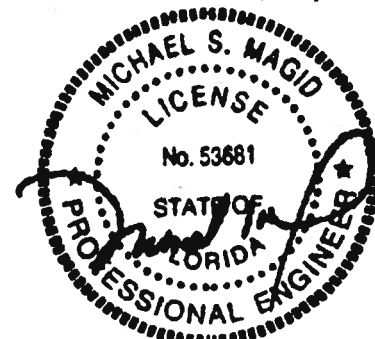
FBC2004

OH Loading

Soffit psf 2.0

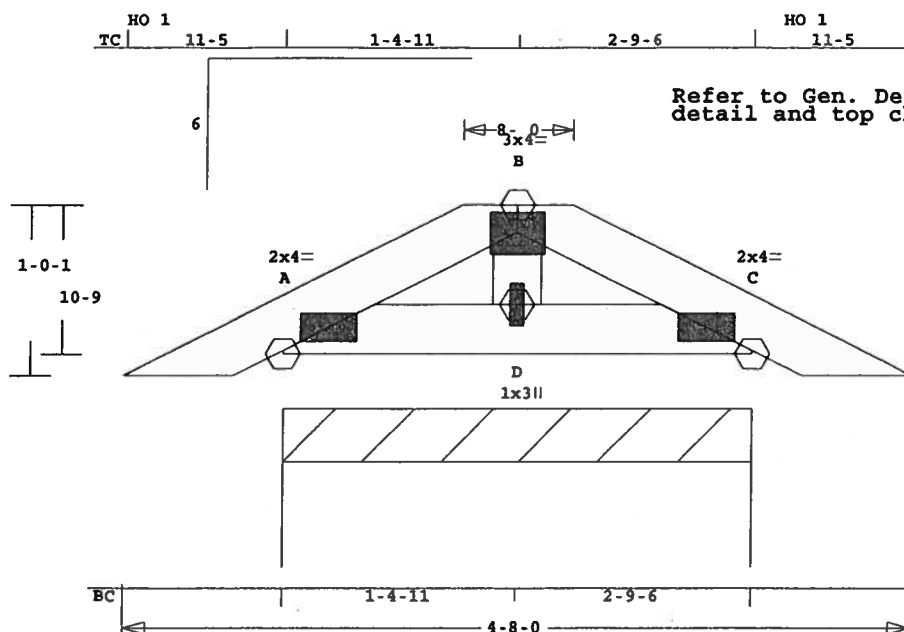
Design checked for 10 psf non-

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	P2	1	TR	40800	6	11- 5	11- 5	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Refer to Gen. Det. 12 for piggyback detail and top chord bracing.

ALL PLATES ARE LOCK20

Scale: 0.882" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 15.6 LBS

D -C 0.00 1 T

concurrent LL on BC.

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

D -B 0.00 37 C

Refer to Gen Det 3 series for web bracing and plating.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 37 Lbs

Quality Control Factor 1.25

CSI -Size- ----Lumber----

TC	0.00	2x 4	SP-#2
BC	0.00	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

LL Defl 0.00" in A -D L/999
TL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.03

Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORT: NER 691

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 3.0x 4.0 Ctr Ctr 0.52

C LOCK 2.0x 4.0 Ctr Ctr 0.65

D LOCK 1.0x 3.0 Ctr Ctr 0.75

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

Plus 6 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	to	2- 9- 6	
	343	51	Hz =	10

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----

A -B 0.00 36 C

B -C 0.00 36 C

-----Bottom Chords-----

A -D 0.00 1 T

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

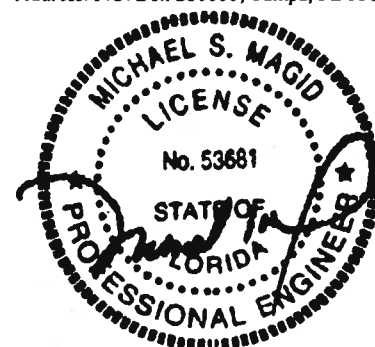
FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

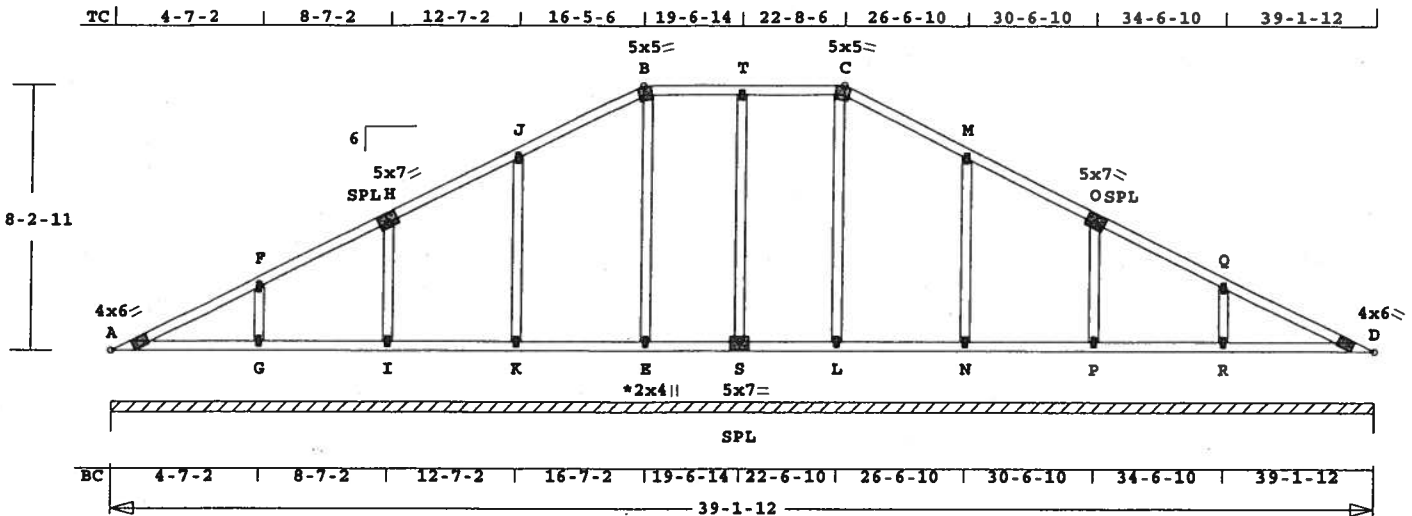


Engineering
T06011898

A circular professional engineer seal for Michael S. Magid. The outer ring contains the text "MICHAEL S. MAGID" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by a star on the right. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by a star on the right. In the center of the seal is the license number "No. 53681". A handwritten signature, "Michael S. Magid", is written across the bottom half of the seal, overlapping the "STATE OF FLORIDA" text.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	V2	1	VLHP.SB	390112	6	0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



ALL PLATES ARE LOCK20
See Joint E For Typical Gable Plate Size and Placement

Scale: 0.169" = 1'

Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 238.6 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ---Lumber---
TC 0.16 2x 4 SP-#2
BC 0.08 2x 4 SP-#2
GW 0.14 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 39- 1-12
BC Cont. 0- 0- 0 39- 1-12

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
Cont. Brg 0- 0- 0 to 39- 1-12
3033 404 Hz = 172

Membr CSI P Lbs Axl-Csi-Bnd
---Top Chords---
A -F 0.13 104 C 0.00 0.13
F -H 0.14 68 C 0.00 0.14
H -J 0.16 56 C 0.00 0.16
J -B 0.16 99 T 0.00 0.16
B -T 0.08 117 T 0.00 0.08
T -C 0.08 117 T 0.00 0.08
C -M 0.16 99 T 0.00 0.16
M -O 0.16 56 C 0.00 0.16
O -Q 0.14 68 C 0.00 0.14
Q -D 0.13 104 C 0.00 0.13
---Bottom Chords---
A -G 0.07 0 T 0.00 0.07
G -I 0.08 0 T 0.00 0.08
I -K 0.08 0 T 0.00 0.08
K -E 0.08 0 T 0.00 0.08
E -S 0.06 0 T 0.00 0.06

S -L	0.06	0 T	0.00	0.06
L -N	0.08	0 T	0.00	0.08
N -P	0.08	0 T	0.00	0.08
P -R	0.08	0 T	0.00	0.08
R -D	0.07	0 T	0.00	0.07

-----Gable Webs-----
G -F 0.02 234 C
I -H 0.05 238 C
K -J 0.11 254 C
E -B 0.13 167 C
S -T 0.14 185 C
L -C 0.13 167 C
N -M 0.11 254 C
P -O 0.05 238 C
R -Q 0.02 234 C

LL Defl 0.00" in L -N L/999
TL Defl -0.01" in L -N L/999
Shear // Grain in J -B 0.15

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
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-0.3 0.74
F LOCK 2.0x 4.0 Ctr Ctr 0.47
H LOCK 5.0x 7.0-0.2 0.5 0.77
J LOCK 2.0x 4.0 Ctr Ctr 0.47
B LOCK 5.0x 5.0 0.7-3.0 0.67
T LOCK 2.0x 4.0 Ctr Ctr 0.47
C LOCK 5.0x 5.0-0.7-3.0 0.67
M LOCK 2.0x 4.0 Ctr Ctr 0.47
O LOCK 5.0x 7.0 0.2 0.5 0.77
Q LOCK 2.0x 4.0 Ctr Ctr 0.47
D LOCK 4.0x 6.0 Ctr-0.3 0.74
G LOCK 2.0x 4.0 Ctr Ctr 0.47
I LOCK 2.0x 4.0 Ctr Ctr 0.47
K LOCK 2.0x 4.0 Ctr Ctr 0.47
E LOCK 2.0x 4.0 Ctr Ctr 0.47
S LOCK 5.0x 7.0 Ctr-0.5 0.78
L LOCK 2.0x 4.0 Ctr Ctr 0.47
N LOCK 2.0x 4.0 Ctr Ctr 0.47
P LOCK 2.0x 4.0 Ctr Ctr 0.47
R LOCK 2.0x 4.0 Ctr Ctr 0.47

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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.

Prevent truss rotation at all
bearing locations.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main

Wind-Force Resistance System.
Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

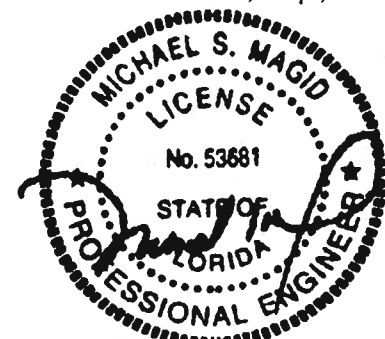
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 254 Lbs

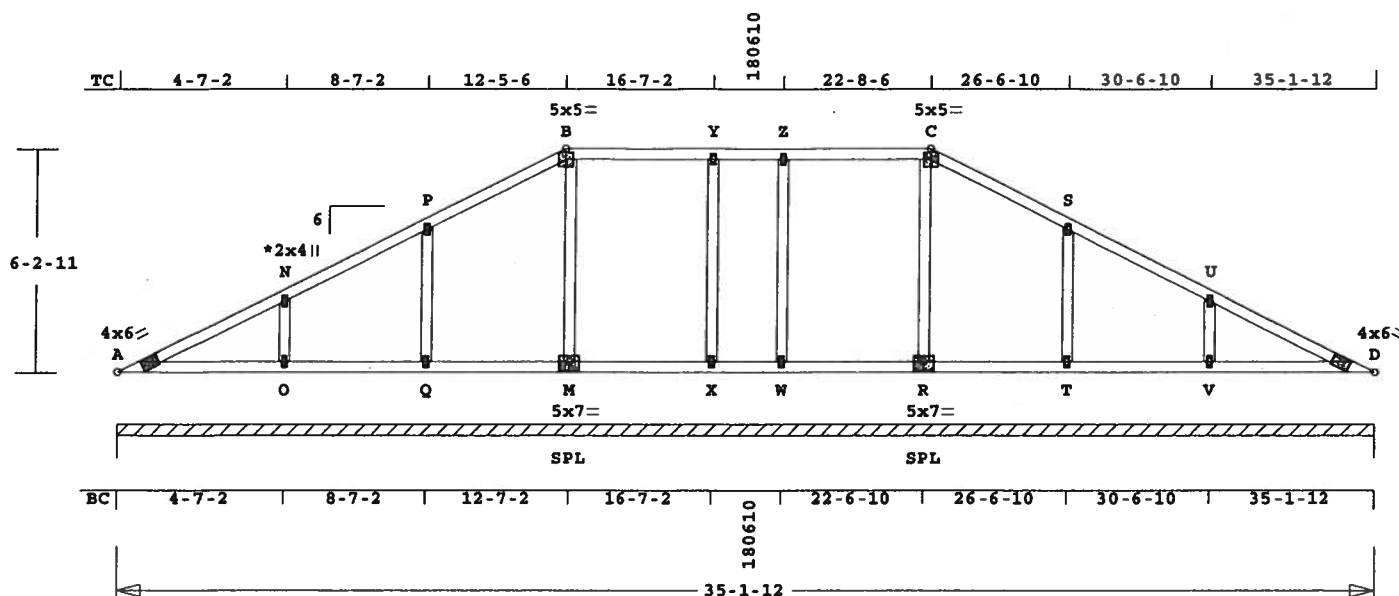
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ROMAC-BOONE	V3	1	VLHP.SB	350112	6	0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



ALL PLATES ARE LOCK20

See Joint N For Typical Gable Plate Size and Placement

Scale: 0.187" = 1'

Robbins Engineering, Inc./Online Plus™

APPROX. TRUSS WEIGHT: 199.3 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ---Lumber---
TC 0.15 2x 4 SP-#2
BC 0.09 2x 4 SP-#2
GW 0.08 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	35- 1-12
BC Cont.	0- 0- 0	35- 1-12

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to 35-	1-12	
	2713	361	Hz =	125

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-------	-----	---	-----	-----	---------

---Top Chords---					
A -N	0.13	72	C	0.00	0.13
N -P	0.15	56	C	0.00	0.15
P -B	0.15	65	C	0.00	0.15
B -Y	0.11	84	T	0.00	0.11
Y -Z	0.11	84	T	0.00	0.11
Z -C	0.11	84	T	0.00	0.11
C -S	0.15	65	C	0.00	0.15
S -U	0.15	56	C	0.00	0.15
U -D	0.13	72	C	0.00	0.13
---Bottom Chords---					
A -O	0.08	0	T	0.00	0.08
O -Q	0.08	0	T	0.00	0.08
Q -M	0.09	0	T	0.00	0.09
M -X	0.09	0	T	0.00	0.09

X -W	0.05	0	T	0.00	0.05
W -R	0.09	0	T	0.00	0.09
R -T	0.09	0	T	0.00	0.09
T -V	0.08	0	T	0.00	0.08
V -D	0.08	0	T	0.00	0.08
-----Gable Webs-----					
O -N	0.02	230	C		
Q -P	0.05	252	C		
M -B	0.08	200	C		
X -Y	0.08	182	C		
W -Z	0.08	182	C		
R -C	0.08	200	C		
T -S	0.05	252	C		
V -U	0.02	230	C		

LL Defl 0.00" in M -X L/999
TL Defl -0.01" in M -X L/999
Shear // Grain in B -Y 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691

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-0.3 0.70

N LOCK 2.0x 4.0 Ctr Ctr 0.44

P LOCK 2.0x 4.0 Ctr Ctr 0.44

B LOCK 5.0x 5.0 Ctr-0.2 0.99

Y LOCK 2.0x 4.0 Ctr Ctr 0.44

Z LOCK 2.0x 4.0 Ctr Ctr 0.44

C LOCK 5.0x 5.0 Ctr-0.2 0.99

S LOCK 2.0x 4.0 Ctr Ctr 0.44

U LOCK 2.0x 4.0 Ctr Ctr 0.44

D LOCK 4.0x 6.0 Ctr-0.3 0.70

O LOCK 2.0x 4.0 Ctr Ctr 0.44

Q LOCK 2.0x 4.0 Ctr Ctr 0.44

M LOCK 5.0x 7.0 Ctr-0.5 0.74

X LOCK 2.0x 4.0 Ctr Ctr 0.44

W LOCK 2.0x 4.0 Ctr Ctr 0.44

R LOCK 5.0x 7.0 Ctr-0.5 0.74

T LOCK 2.0x 4.0 Ctr Ctr 0.44

V LOCK 2.0x 4.0 Ctr Ctr 0.44

PO Box 280055
Tampa, FL 33682

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.

Prevent truss rotation at all
bearing locations.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main
Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

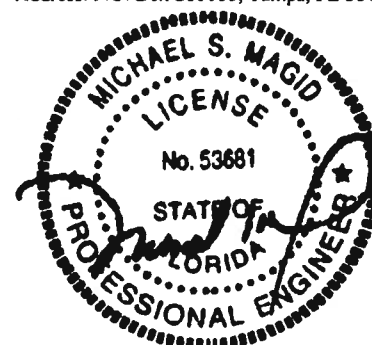
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 252 Lbs

Quality Control Factor 1.25

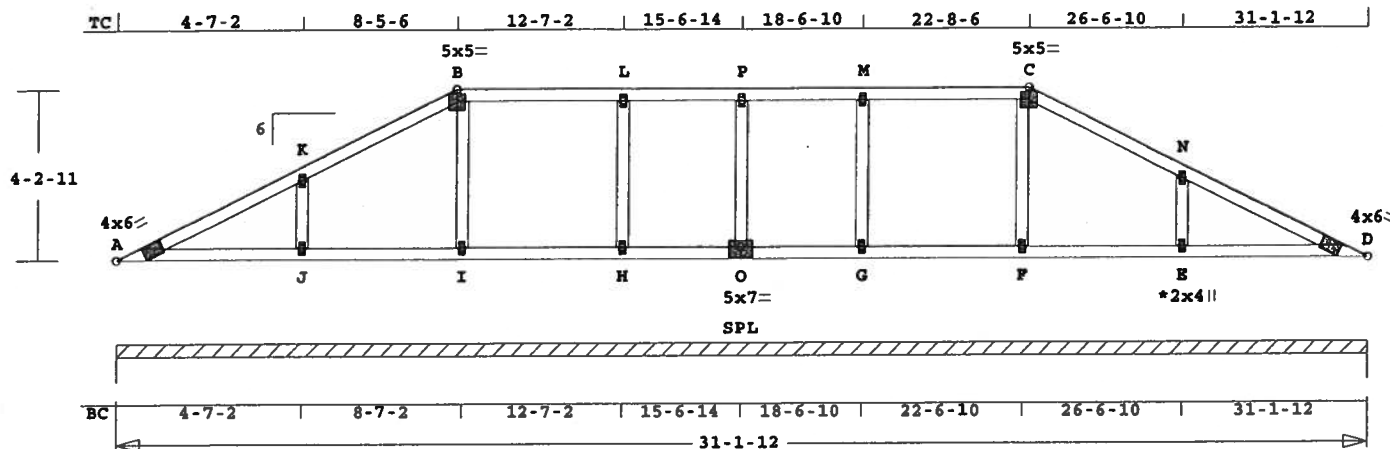
Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



REVIEWED BY:
Robbins Engineering, Inc.

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ROMAC-BOONE	V4	1	VLHP.SB	310112	6	0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



ALL PLATES ARE LOCK20
See Joint E For Typical Gable Plate Size and Placement

Scale: 0.211" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 160.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

CSI -Size- ----Lumber----
TC 0.15 2x 4 SP-#2
BC 0.08 2x 4 SP-#2
GW 0.04 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	31- 1-12
BC Cont.	0- 0- 0	31- 1-12

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to 31-	1-12	
	2393	319	Hz =	81

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -K	0.15		53 C	0.00	0.15
K -B	0.15		66 C	0.00	0.15
B -L	0.13		56 T	0.00	0.13
L -P	0.13		56 T	0.00	0.13
P -M	0.13		56 T	0.00	0.13
M -C	0.13		56 T	0.00	0.13
C -N	0.15		66 C	0.00	0.15
N -D	0.15		53 C	0.00	0.15
-----Bottom Chords-----					
A -J	0.07		0 T	0.00	0.07
J -I	0.08		0 T	0.00	0.08
I -H	0.08		0 T	0.00	0.08
H -O	0.06		0 T	0.00	0.06
O -G	0.06		0 T	0.00	0.06

G -F	0.08	0 T	0.00	0.08	
F -E	0.08	0 T	0.00	0.08	
E -D	0.07	0 T	0.00	0.07	
-----Gable Webs-----					
J -K	0.02	245 C			
I -B	0.04	198 C			
H -L	0.04	230 C			
O -P	0.03	150 C			
G -M	0.04	230 C			
F -C	0.04	198 C			
E -N	0.02	245 C			

LL Defl 0.00" in I -H L/999
TL Defl -0.01" in I -H L/999
Shear // Grain in B -L 0.16

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
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
A	LOCK	4.0x 6.0	Ctr-0.3 0.66
K	LOCK	2.0x 4.0	Ctr Ctr 0.42
B	LOCK	5.0x 5.0	Ctr-0.2 0.93
L	LOCK	2.0x 4.0	Ctr Ctr 0.42
P	LOCK	2.0x 4.0	Ctr Ctr 0.42
M	LOCK	2.0x 4.0	Ctr Ctr 0.42
C	LOCK	5.0x 5.0	Ctr-0.2 0.93
N	LOCK	2.0x 4.0	Ctr Ctr 0.42
D	LOCK	4.0x 6.0	Ctr-0.3 0.66
J	LOCK	2.0x 4.0	Ctr Ctr 0.42
I	LOCK	2.0x 4.0	Ctr Ctr 0.42
H	LOCK	2.0x 4.0	Ctr Ctr 0.42
O	LOCK	5.0x 7.0	Ctr-0.5 0.70
G	LOCK	2.0x 4.0	Ctr Ctr 0.42
F	LOCK	2.0x 4.0	Ctr Ctr 0.42
E	LOCK	2.0x 4.0	Ctr Ctr 0.42

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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.

Prevent truss rotation at all
bearing locations.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main
Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

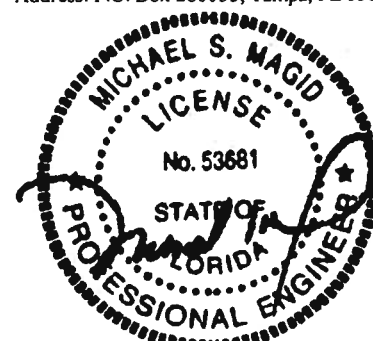
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 245 Lbs

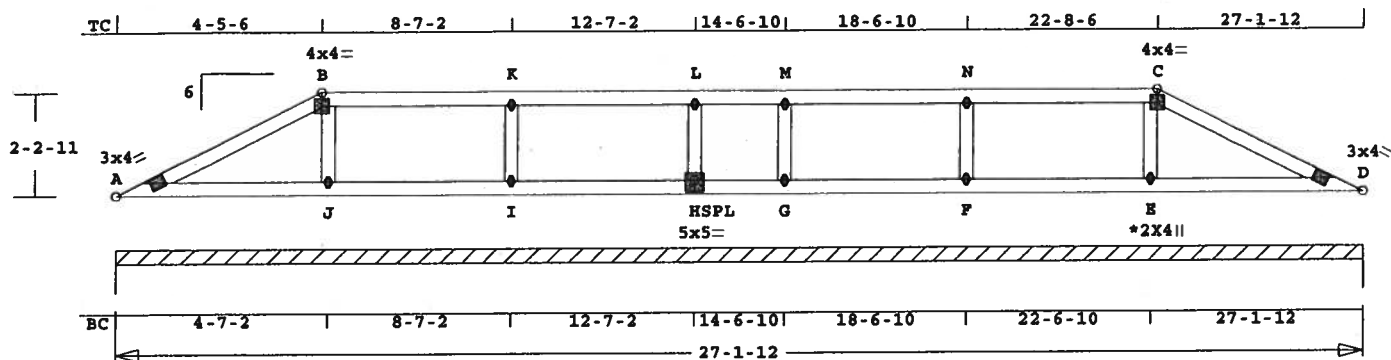
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ROMAC-BOONE	V5	1	VLHP.SB	270112	6	0	0	T06011898

U# J#ROMAC-BOONE TIMBROOK-BOONE



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 120.7 LBS

Online Plus -- Version 18.0.020
RUN DATE: 20-JAN-06

	CSI	-Size-	----	Lumber----
TC	0.17	2x 4	SP-#2	
BC	0.09	2x 4	SP-#2	
GW	0.02	2x 4	SP-#2	

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	27- 1-12	
BC Cont.	0- 0- 0	27- 1-12	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	to 27- 1-12		
2073	276	Hz =	38	

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - B	0.09		53 C	0.00	0.09
B - K	0.17		43 C	0.00	0.17
K - L	0.17		43 C	0.00	0.17
L - M	0.09		43 C	0.00	0.09
M - N	0.17		43 C	0.00	0.17
N - C	0.17		43 C	0.00	0.17
C - D	0.09		53 C	0.00	0.09
-----Bottom Chords-----					
A - J	0.07		0 T	0.00	0.07
J - I	0.09		0 T	0.00	0.09

	I - H	0.09	0 T	0.00	0.09
H - G	0.05	0 T	0.00	0.05	
G - F	0.09	0 T	0.00	0.09	
F - E	0.09	0 T	0.00	0.09	
E - D	0.07	0 T	0.00	0.07	
J - B	0.01	186 C			
I - K	0.02	264 C			
H - L	0.01	167 C			
G - M	0.01	167 C			
F - N	0.02	264 C			
E - C	0.01	186 C			

LL Defl 0.00" in G - F L/999
TL Defl -0.01" in G - F L/999
Shear // Grain in B - K 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Jt Type	Plt Size	X	Y
A	LOCK	3.0x 4.0	Ctr Ctr 0.88
B	LOCK	4.0x 4.0	Ctr Ctr 0.98
K	LOCK	2.0x 4.0	Ctr Ctr 0.81
L	LOCK	2.0x 4.0	Ctr Ctr 0.81
M	LOCK	2.0x 4.0	Ctr Ctr 0.81
N	LOCK	2.0x 4.0	Ctr Ctr 0.81
C	LOCK	4.0x 4.0	Ctr Ctr 0.98
D	LOCK	3.0x 4.0	Ctr Ctr 0.88
J	LOCK	2.0x 4.0	Ctr Ctr 0.81
I	LOCK	2.0x 4.0	Ctr Ctr 0.81
H	LOCK	5.0x 5.0	Ctr-0.5 0.66
G	LOCK	2.0x 4.0	Ctr Ctr 0.81
F	LOCK	2.0x 4.0	Ctr Ctr 0.81
E	LOCK	2.0x 4.0	Ctr Ctr 0.81

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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.

Prevent truss rotation at all
bearing locations.

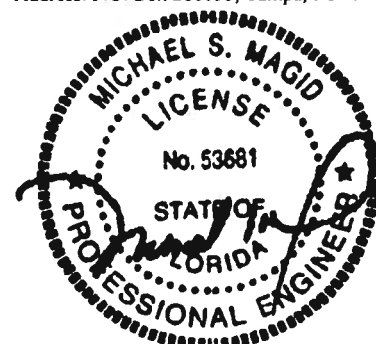
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.

Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf

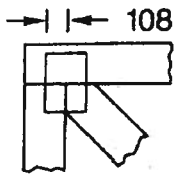
Max comp. force 264 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682



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).

PLATE SIZE

6 x 8

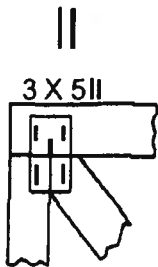
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.

LATERAL BRACING



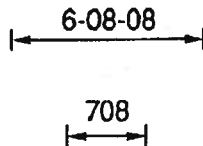
Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

PLATE ORIENTATION



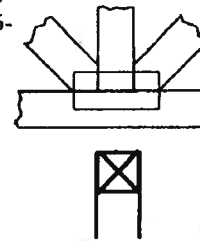
Shown next to plate size, indicates direction of slots in connector plate.

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).

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" bearings at each end, unless indicated otherwise. Cutting and fabrication shall be performed on equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and these 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. These designs were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (TPI), 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 the 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 the 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 THESE DESIGNS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE TRUSS DESIGN DRAWINGS & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS PLACEMENT DIAGRAM.



Corporate Headquarters

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