

D 07/10/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000024733

APPLICANT JIM RAILEY PHONE 352.463.9060  
ADDRESS 500 N MAIN STREET TRENTON FL 32693  
OWNER JOSHUA & TINA EDWARDS PHONE 386.454.3901  
ADDRESS 273 SE HARDIN COURT HIGH SPRINGS FL 32643  
CONTRACTOR JON R. GRAY PHONE 352.463.9060  
LOCATION OF PROPERTY 441-S TO COLEMAN LANE, TL TO A 90 DEGREE TURN ON HARDIN CT.  
ALL THE WAY @ DEAD END, THRU GATE TO PROPERTY.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 89950.00  
HEATED FLOOR AREA 1799.00 TOTAL AREA 1799.00 HEIGHT 16.00 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC  
LAND USE & ZONING A-3 MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00  
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 15-7S-17-09996-004 SUBDIVISION GILBERT PARK LOTS 11,12,13  
LOT BLOCK PHASE UNIT TOTAL ACRES 3.10

CGC037553  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
EXISTING 06-0588MD BLK JTH N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. SECTION 2.3.1 LEGAL NON-CONFORMING

LOT OF RECORD. 1 UNIT CHARGED FOR ASSESSMENTS (NO CHARGE FOR C.O. ONCE

COMPLETE). Check # or Cash 10872

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic date/app. by date/app. by date/app. by  
Under slab rough-in plumbing Slab Sheathing/Nailing date/app. by date/app. by date/app. by  
Framing Rough-in plumbing above slab and below wood floor date/app. by date/app. by date/app. by  
Electrical rough-in Heat & Air Duct Peri. beam (Lintel) date/app. by date/app. by date/app. by  
Permanent power C.O. Final Culvert date/app. by date/app. by date/app. by  
M/H tie downs, blocking, electricity and plumbing Pool date/app. by date/app. by date/app. by  
Reconnection Pump pole Utility Pole date/app. by date/app. by date/app. by  
M/H Pole Travel Trailer Re-roof date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 450.00 CERTIFICATION FEE \$ 9.00 SURCHARGE FEE \$ 9.00  
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$  
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 543.00  
INSPECTORS OFFICE CLERKS 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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Return to: (enclose self-addressed stamped envelope)

Name:

Address:

This Instrument Prepared by:

Name: Denise Edwards

Address: PO Box 1278

High Springs, FL 32655

Property Appraisers Parcel Identification

7996-004

Folio Number(s):

Grantee(s) S.S. # (s)

Inst: 2005028201 Date: 11/10/2005 Time: 15:31

Doc Stamp-Deed : 0.70

DC, P. DeWitt Cason, Columbia County B: 1064 P: 2384

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

**This Quit Claim Deed**, Executed the 4<sup>th</sup> day of October, 2005, by Thomas Wesson Edwards and Denise H. Edwards, his wife, and Joshua Wesson Edwards, his son, first party, to Joshua W. Edwards and Tina R. Edwards, his wife, whose post office address is PO Box 1278, High Springs, FL 32655, second party.

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

**Witnesseth**, That the first party, for and in consideration of the sum of \$ 10.00 and other good and valuable things, in hand paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release, and quit claim unto the second party forever, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of Columbia, State of Florida, to-wit:

Begin at the Southeast corner of the SW 1/4 of the NW 1/4, Section 15, Township 17 South, Range 17 East, and run South 88° 31' 08" W, along the South line of said SW 1/4 of the NW 1/4, 276.69 feet to the East line of a 50.00 foot road, thence N 10° 49' 45" W, along said road 491.15 feet; thence N 88° 31' 08" E, 277.16 feet to the East line of said SW 1/4 of the NW 1/4; thence S 1° 46' 31" E, 491.15 feet to the Point of Beginning, the above described being the same as lots 11, 12 and 13 of Grubbs Park.

**To Have and to Hold** The same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said first party, either in law or equity to the only proper use, benefit and behoof of the said second party forever.

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

Signed, sealed and delivered in the presence of:

Witness Signature (as to first Grantor)

Printed Name

Witness Signature (as to first Grantor)

Printed Name

Witness Signature (as to Co-Grantor, if any)

Printed Name

Witness Signature (as to Co-Grantor, if any)

Printed Name

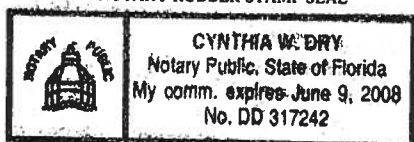
STATE OF Florida

COUNTY OF Alachua

Thomas Wesson Edwards, Denise H. Edwards and Joshua Wesson Edwards

known to me to be the person S described in and who executed the foregoing instrument, who acknowledged before me that they executed the same, and an oath was not taken. (Check one: ) ☐ Said person(s) is/are personally known to me. ☐ Said person(s) provided the following type of identification: \_\_\_\_\_

NOTARY RUBBER STAMP SEAL



Thomas Wesson Edwards

Grantor Signature

Thomas Wesson Edwards

Printed Name

PO Box 1278, High Springs, FL 32655

Post Office Address

Denise H. Edwards

Co-Grantor Signature, (if any)

Denise H. Edwards

Printed Name

PO Box 1278, High Springs, FL 32655

Post Office Address

Joshua Wesson Edwards, Co-Grantor

PO Box 1278, High Springs, FL 32655

I hereby Certify that on this day, before me, an officer duly authorized to administer oaths and take acknowledgments, personally appeared

Witness my hand and official seal in the County and State last aforesaid

this 10 day of November, 2005

Notary Signature

Cynthia W. Dry

Printed Name

## Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0606-74 Date Received 6-20-06 By CH Permit # 24733  
 Application Approved by - Zoning Official BLK Date 29.06.06 Plans Examiner DK JH Date 6-27-06  
 Flood Zone X Development Permit NA Zoning A-3 Land Use Plan Map Category A-3  
 Comments Section 2.3.1 Legal Nonconforming Lot of Record

Applicants Name Jim Railey Phone 494.9940  
GRAY CONSTRUCTION CO., INC.  
 Address 500 N. MAIN ST. TRENTON, FL 32693  
 Owners Name TINA & JOSHUA EDWARDS Phone (386) 454-3901  
 911 Address 273 S.E. HARDIN COURT HIGH SPRINGS FL 32643  
 Contractors Name GRAY CONSTRUCTION CO. INC. Phone (352) 463-9060  
 Address 500 N. MAIN ST. TRENTON, FL 32693  
 Fee Simple Owner Name & Address TINA & JOSHUA EDWARDS 273 S.E. HARDIN COURT HIGH SPRINGS, FL 32643  
 Bonding Co. Name & Address N/A  
 Architect/Engineer Name & Address (Tom Edwards) TRI-COUNTY HOMES PO BOX 285 TRENTON FL 32693  
 Mortgage Lenders Name & Address CAPITAL CITY BANK 109 W. WADE ST. TRENTON, FL 32693  
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
 Property ID Number 15-7S-17-09996-004 Estimated Cost of Construction \$152,700.00  
 Subdivision Name GILBERT PARK Lot 11, 12 Block 13 Unit      Phase       
 Driving Directions FROM LAKE CITY 441 SOUTH TO COLEMAN LANE ON LEFT. RIGHT 90° ON HARDIN COURT ALL WAY TO DEAD END TARIU GATE TO SAID PROPERTY.  
 Type of Construction SINGLE FAMILY DWELLING Number of Existing Dwellings on Property 0  
 Total Acreage 3.10 Lot Size      Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive  
 Actual Distance of Structure from Property Lines - Front 57' Side 60' Side 280' Rear 170'  
 Total Building Height 16 FT. Number of Stories 1 Heated Floor Area 1799 sq ft Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

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.

Owner Builder or Agent (Including Contractor) Jim Railey

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 15<sup>th</sup> day of May 2006.

Personally known ✓ or Produced Identification     



VALARIE BENJAMIN  
Comm# D00309480  
Expires 4/11/2008  
Bonded thru (800) 432-4264  
Florida Notary Assn., Inc.

Contractor Signature [Signature]  
Contractors License Number C66 037553  
Competency Card Number       
NOTARY STAMP/SEAL

Valarie Benjamin  
Notary Signature





STATE OF FLORIDA  
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

06-0588M

Edwards

PART II - SITE PLAN

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

See Attached

Notes:

Site Plan submitted by: James Bailey

Signature

Project Mng.  
GRAY CONST Co.

Title

Plan Approved X

Not Approved \_\_\_\_\_

Date 2/1/06

By [Signature] County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

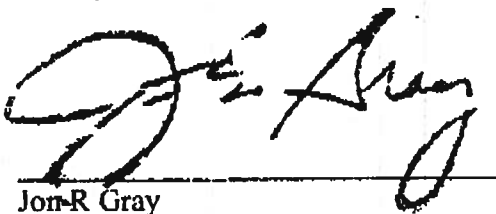


GENERAL CONTRACTORS • CONSTRUCTION MANAGERS

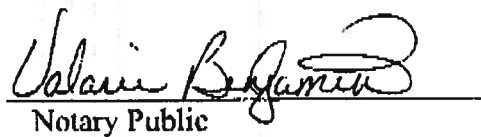
July 10, 2006

Columbia County Building Department  
135 NE Hernando Av Suite B21  
Lake City, FL 32055

I, Jon R. Gray, President of Gray Construction Company, Inc. do hereby authorize Jim Railey to pick up building permits for all clients that we construct for in Columbia County.

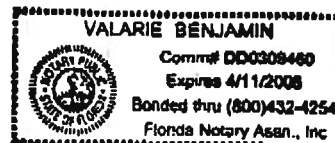
  
Jon R Gray

7/10/06  
Date

  
Notary Public

7-10-06  
Date

Seal



500 North Main Street, Trenton, Florida 32693-3442  
(352) 463-9060

Fax (352) 463-0031 E-mail: grayconst@aol.com

State of Florida Certified General Contractor's License No.: GCC037553  
Providing Quality Construction Services Since 1975

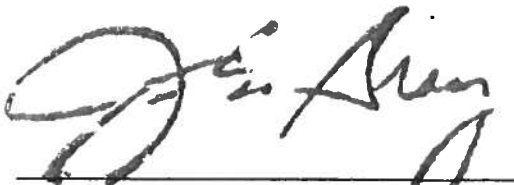


**GENERAL CONTRACTORS • CONSTRUCTION MANAGERS**


July 10, 2006

Columbia County Building Department  
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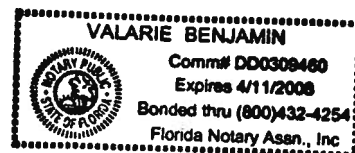
  
Jon R Gray

7/10/06  
Date

  
Notary Public

7-10-06  
Date

Seal



**STATE OF FLORIDA****DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION****CONSTRUCTION INDUSTRY LICENSING BOARD  
1940 NORTH MONROE STREET  
TALLAHASSEE FL 32399-0783****(850) 487-1395**

**GRAY, JON R  
GRAY CONSTRUCTION CO INC  
1100 NORTH MAIN  
SUITE B  
KISSIMMEE FL 34744-4283**

**STATE OF FLORIDA****AC# 147077****DEPARTMENT OF BUSINESS AND  
PROFESSIONAL REGULATION****CGC037553 07/02/04 040007259****CERTIFIED GENERAL CONTRACTOR  
GRAY, JON-R  
GRAY CONSTRUCTION CO INC**

**IS CERTIFIED under the provisions of Ch.489 FS  
Expiration date: AUG 31, 2006 L04070201330**

**DETACH HERE****AC# 1470773****STATE OF FLORIDA****DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD****SEQ# L04070201330**

| DATE       | BATCH NUMBER | LICENSE NBR |
|------------|--------------|-------------|
| 07/02/2004 | 040007259    | CGC037553   |

**The GENERAL CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489-ES.  
Expiration date: AUG 31, 2006.**

**GRAY, JON R  
GRAY CONSTRUCTION CO INC  
1100 NORTH MAIN  
KISSIMMEE FL 34744-4283**

**JEB BUSH  
GOVERNOR****DISPLAY AS REQUIRED BY LAW****DIANE CARR  
SECRETARY**



STATE OF FLORIDA

AC# 1470773

DEPARTMENT OF BUSINESS AND  
PROFESSIONAL REGULATION

CGC037553

07/02/04 040007259

CERTIFIED GENERAL CONTRACTOR  
GRAY, JON R  
GRAY CONSTRUCTION CO INC

IS CERTIFIED under the provisions of Ch.489 FS.

Expiration date: AUG 31, 2006

L04070201330



# *City of Trenton Occupational License 2005-2006*

Number:

59

Date: 10-17-05

*IN CONSIDERATION of the TOTAL SUM OF MONEY shown hereon, the receipt of which is hereby acknowledged*

Licensee: Gray Builders

*in the City for the period of 10/01/05 to 09/30/06*

Business Type: 51-f General Contractor

Zoning: C-CBD

*and is located as follows:*

Address: 500 N. Main Street

Due to City:

\$30.00

Penalty:

Total:

\$30.00

FI License #:

*Jered J. Ottenwess*  
City Manager



AC# 2079748

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L05071300951

| DATE       | BATCH NUMBER | LICENSE NBR |
|------------|--------------|-------------|
| 07/13/2005 | 041019331    | QB0001518   |

The BUSINESS ORGANIZATION

Named below IS QUALIFIED

Under the provisions of Chapter 489 FS.

Expiration date: AUG 31, 2007

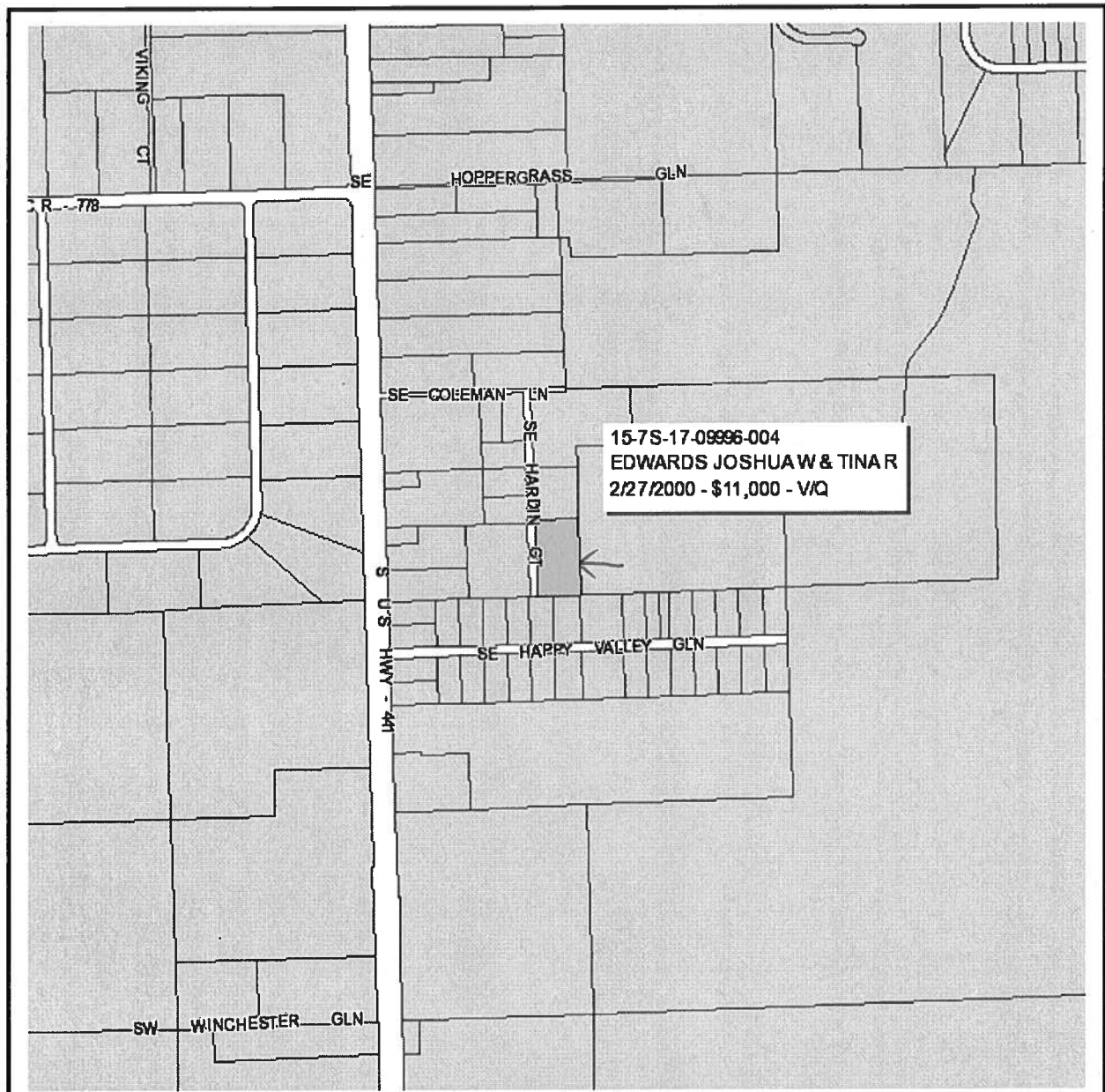
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS  
COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

GRAY CONSTRUCTION COMPANY INC  
408 N MAIN ST  
TRENTON FL 32693

JEB BUSH  
GOVERNOR

DISPLAY AS REQUIRED BY LAW

DIANE CARR  
SECRETARY



## Columbia County Property Appraiser

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

### PARCEL: 15-7S-17-09996-004 HX - MOBILE HOM (000200)

|         |                            |         |             |
|---------|----------------------------|---------|-------------|
| Name:   | EDWARDS JOSHUA W & TINA R  | LandVal | \$30,650.00 |
| Site:   | HARDIN                     | BldgVal | \$20,997.00 |
| P O BOX | 1278                       | ApprVal | \$55,347.00 |
| Mail:   | HIGH SPRINGS, FL 326551278 | JustVal | \$55,347.00 |
| Sales   | 10/4/2005 \$100.00V / U    | Assd    | \$43,632.00 |
| Info    | 12/31/2001 \$100.00V / U   | Exmpt   | \$25,000.00 |
|         | 2/27/2000 \$11,000.00V / Q | Taxable | \$18,632.00 |

0 0.08 0.16 0.24 mi



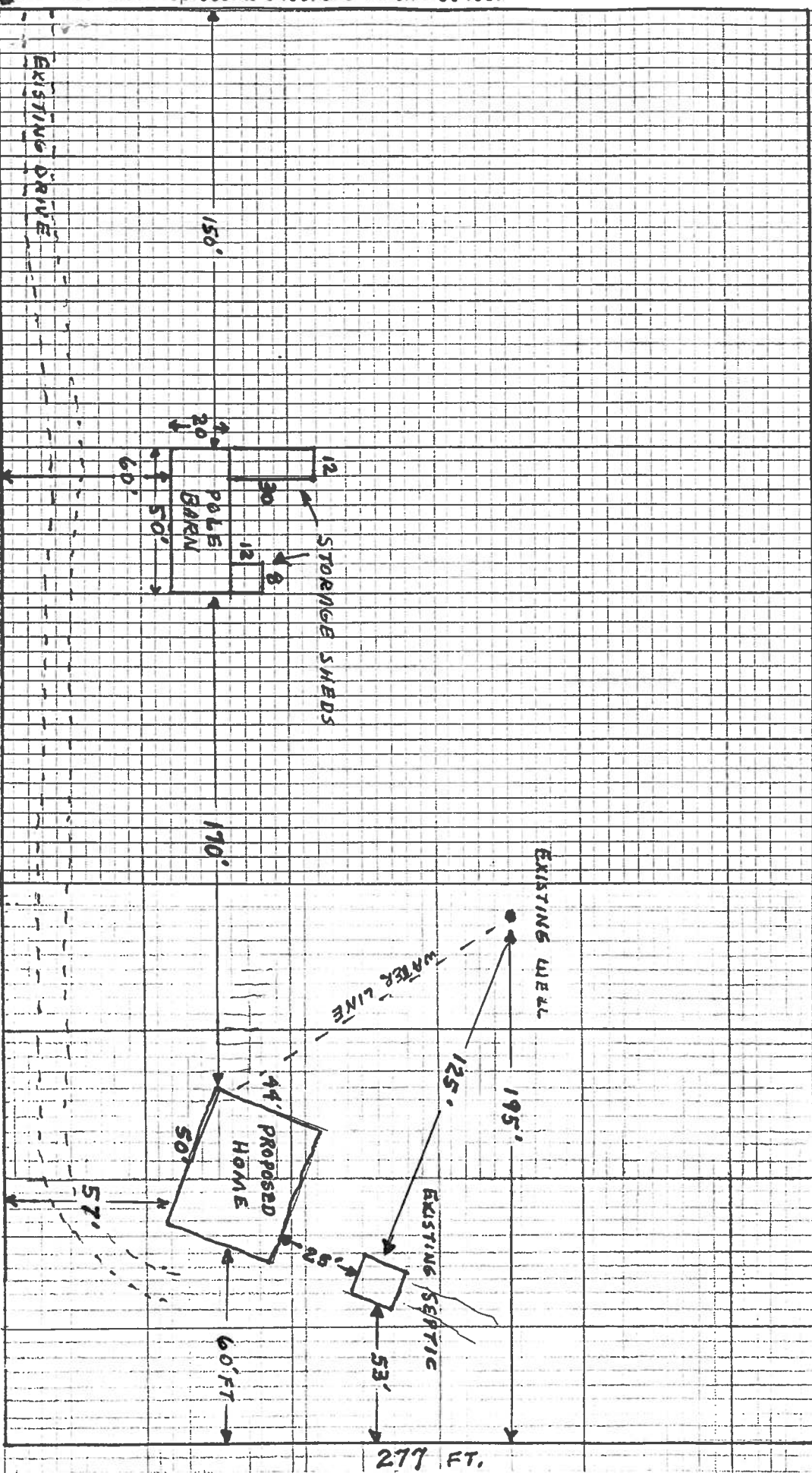
This information, GIS Map Updated: 6/19/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's 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.



TINA & JOSHUA EDWARDS  
273 S.E. HARDIN COURT  
HIGH SPRINGS, FL 32643

491 FT.

PARCEL I.D. #  
15-75-17-0996-004



HARDIN COURT NEAR END OF WITH DRIVE WAY



|                               |   |                               |       |                 |
|-------------------------------|---|-------------------------------|-------|-----------------|
| @ CAM111M01                   | S | CamaUSA Appraisal System      |       | Columbia County |
| 6/02/2006 8:47                |   | Legal Description Maintenance | 30650 | Land 003        |
| Year T Property               |   | Sel                           |       | AG 000          |
| 2006 R 15-7S-17-09996-004     |   |                               | 20997 | Bldg 001 *      |
| 273 HARDIN CT SE HIGH SPRINGS |   |                               | 3700  | Xfea 003        |
| HX EDWARDS JOSHUA W & TINA R  |   |                               | 55347 | TOTAL B*        |

|    |                                 |                                  |    |
|----|---------------------------------|----------------------------------|----|
| 1  | BEG SE COR OF SW1/4 OF NW1/4,,  | RUN W 276.69 FT, N 491.15 FT,,   | 2  |
| 3  | E 277.16 FT, S 491.15 FT TO     | POB.. (AKA LOTS 11, 12 & 13      | 4  |
| 5  | GILBERT PARK S/D) ORB 284-295.. | 780-1570,, 780-2207,, 898-1976,, | 6  |
| 7  | 900-2312,, JTWRS 943-157,,      | QC 1064-2384..                   | 8  |
| 9  |                                 |                                  | 10 |
| 11 |                                 |                                  | 12 |
| 13 |                                 |                                  | 14 |
| 15 |                                 |                                  | 16 |
| 17 |                                 |                                  | 18 |
| 19 |                                 |                                  | 20 |
| 21 |                                 |                                  | 22 |
| 23 |                                 |                                  | 24 |
| 25 |                                 |                                  | 26 |
| 27 |                                 |                                  | 28 |

Mnt 11/29/2005 THRESA

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

\*\*\*THIS DOCUMENT MUST BE RECORDED AT THE COUNTY  
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.\*\*\*

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

Tax Parcel ID Number 15-75-17-09996-004

1. Description of property: (legal description of the property and street address or 911 address)

BEG SE COR OF SW 1/4 OF N.W. 1/4, RUN WEST 276.69 FT, N 491.15 FT,  
E 277.16 FT, S 491.15 FT TO P.O.B.

273 S.E. HARDIN COURT, HIGH SPRINGS, FL. 32643

2. General description of improvement: NEW SINGLE FAMILY DWELLING

3. Owner Name & Address TINA & JOSHUA EDWARDS 273 S.E. HARDIN COURT  
HIGH SPRINGS, FL. 32643 Interest in Property 100%

4. Name & Address of Fee Simple Owner (if other than owner): SAME

5. Contractor Name GRAY CONSTRUCTION CO. INC. Phone Number (352) 463-9060  
Address 500 N. MAIN ST. TRENTON, FL. 32693

6. Surety Holders Name \_\_\_\_\_ Phone Number \_\_\_\_\_

Address \_\_\_\_\_

Amount of Bond \_\_\_\_\_

7. Lender Name CAPITAL CITY BANK Phone Number (352) 463-2329

Address 109 W. WADE ST. TRENTON, FL. 32693

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name \_\_\_\_\_ Phone Number \_\_\_\_\_

Address \_\_\_\_\_

9. In addition to himself/herself the owner designates \_\_\_\_\_ of

\_\_\_\_\_ to receive \_\_\_\_\_ 1) -

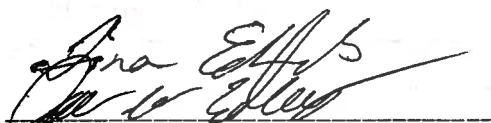
(a) 7. Phone Number of the designee \_\_\_\_\_ [Inst:2006013243 Date:06/02/2006 Time:09:27

10. Expiration date of the Notice of Commencement 1.7. DC, P. DeWitt Cason, Columbia County B:1085 P:1303 ng,

(Unless a different date is specified) \_\_\_\_\_

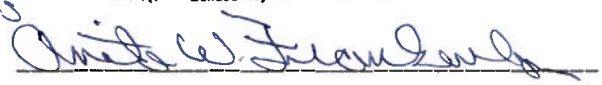
NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

  
Signature of Owner

Sworn to (or affirmed) and subscribed before  
day of 25 May, 2006

NOTARY  Anita W. Frankenberger  
Commission # DD487897  
Expires December 25, 2009  
Bonded Troy Fain Insurance, Inc. 800-385-7019

  
Signature of Notary

FL DL E 363-432-72-150-8 Joshua Wesson Edwards

FL DL E 363-816-78-662-0 Tina Rachel Edwards



TINA & JOSHUA EDWARDS  
273 S.E. HARDIN COURT  
HIGH SPRINGS, FL 32643

PARCEL I.D. #  
15-75-17-0996-004

491 FT.

279 FT.

EXISTING WELL

195'

125'

WATER LINE

EXISTING SEPTIC

53'

170'

STORAGE SHEDS

12

30

12

8

POLE BARN

20

50'

60'

150'

44' PROPOSED HOME

50'

60' FT.

52'

EXISTING DRIVE

HARDIN COURT DEAD ENDS INTO DRIVE 111A V

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name: **GCCI-Edwards Residence**  
Address: **Lot: , Sub: , Plat:**  
City, State: **,**  
Owner: **Josh & Tina Edwards**  
Climate Zone: **North**

Builder: **GCCI**  
Permitting Office: **Columbia**  
Permit Number: **247371**  
Jurisdiction Number: **221000**

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 (ft<sup>2</sup>) 1800 ft<sup>2</sup> ☐
7. Glass type<sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)
  - a. U-factor: Description Area  
(or Single or Double DEFAULT) 7a(Sngle Default) 172.0 ft<sup>2</sup> ☐
  - b. SHGC:  
(or Clear or Tint DEFAULT) 7b. (Clear) 172.0 ft<sup>2</sup> ☐
8. Floor types
  - a. Slab-On-Grade Edge Insulation R=0.0, 172.0(p) ft ☐
  - b. N/A ☐
  - c. N/A ☐
9. Wall types
  - a. Frame, Wood, Exterior R=19.0, 1140.0 ft<sup>2</sup> ☐
  - b. N/A ☐
  - c. N/A ☐
  - d. N/A ☐
  - e. N/A ☐
10. Ceiling types
  - a. Under Attic R=19.0, 976.0 ft<sup>2</sup> ☐
  - b. Under Attic R=19.0, 988.0 ft<sup>2</sup> ☐
  - c. N/A ☐
11. Ducts
  - a. Sup: Con. Ret: Con. AH: Interior Sup. R=6.5, 120.0 ft ☐
  - b. N/A ☐

12. Cooling systems
  - a. Central Unit Cap: 36.0 kBtu/hr  
SEER: 13.00 ☐
  - b. N/A ☐
  - c. N/A ☐
13. Heating systems
  - a. Electric Heat Pump Cap: 36.0 kBtu/hr  
HSPF: 8.00 ☐
  - b. N/A ☐
  - c. N/A ☐
14. Hot water systems
  - a. Electric Resistance Cap: 50.0 gallons  
EF: 0.95 ☐
  - b. N/A ☐
  - c. Conservation credits  
(HR-Heat recovery, Solar  
DHP-Dedicated heat pump) ☐
15. HVAC credits  
(CF-Ceiling fan, CV-Cross ventilation,  
HF-Whole house fan,  
PT-Programmable Thermostat,  
MZ-C-Multizone cooling,  
MZ-H-Multizone heating) ☐

Glass/Floor Area: 0.12

Total as-built points: 23673

Total base points: 26451

## PASS

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

PREPARED BY: Tom Edwards  
DATE: 5-26-09

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: \_\_\_\_\_



<sup>1</sup> 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: Lot: , Sub: , Plat: , , ,

PERMIT #:

| BASE   |          |         |         | AS-BUILT  |   |     |      |        |          |             |         |
|--|----------|---------|---------|---|---|-----|------|--------|----------|-------------|---------|
| GLASS TYPES<br>.18 X Conditioned X BSPM = Points<br>Floor Area |          |         |         | Type/SC<br>Overhang<br>Ornt Len Hgt Area X SPM X SOF = Points |   |     |      |        |          |             |         |
| .18  | 1800.0   | 20.04   | 6493.0  | Single, Clear   | S | 9.3 | 6.0  | 60.0   | 40.81    | 0.47        | 1149.7  |
|  |          |         |         | Single, Clear   | S | 9.3 | 6.0  | 20.0   | 40.81    | 0.47        | 383.2   |
|  |          |         |         | Single, Clear   | S | 9.3 | 7.0  | 20.0   | 40.81    | 0.48        | 395.1   |
|  |          |         |         | Single, Clear   | N | 1.3 | 6.0  | 15.0   | 21.73    | 0.95        | 310.1   |
|  |          |         |         | Single, Clear   | N | 1.3 | 4.0  | 6.0    | 21.73    | 0.90        | 117.3   |
|  |          |         |         | Single, Clear   | N | 1.3 | 6.0  | 30.0   | 21.73    | 0.95        | 620.2   |
|  |          |         |         | Single, Clear   | N | 1.3 | 4.0  | 9.0    | 21.73    | 0.90        | 176.0   |
|  |          |         |         | Single, Clear   | W | 1.0 | 10.0 | 15.0   | 43.84    | 1.00        | 654.5   |
|  |          |         |         | Single, Clear   | W | 1.0 | 8.0  | 15.0   | 43.84    | 0.99        | 652.2   |
|  |          |         |         | Single, Clear   | W | 1.0 | 11.0 | 6.0    | 43.84    | 1.00        | 261.9   |
|  |          |         |         | Single, Clear   | E | 1.0 | 9.0  | 10.0   | 47.92    | 0.99        | 476.4   |
|  |          |         |         | Single, Clear   | E | 1.0 | 13.0 | 10.0   | 47.92    | 1.00        | 477.2   |
|  |          |         |         | Single, Clear   | E | 1.0 | 10.0 | 6.0    | 47.92    | 0.99        | 286.0   |
|  |          |         |         | As-Built Total:   |   |     |      | 222.0  |          | 5959.9      |         |
| WALL TYPES<br>Area X BSPM = Points                             |          |         |         | Type<br>R-Value<br>Area X SPM = Points                        |   |     |      |        |          |             |         |
| Adjacent   | 0.0      | 0.00    | 0.0     | Frame, Wood, Exterior   |   |     | 19.0 |        | 1140.0   | 0.90        | 1026.0  |
| Exterior   | 1140.0   | 1.70    | 1938.0  |   |   |     |      |        |          |             |         |
| Base Total:  |          | 1140.0  | 1938.0  | As-Built Total:   |   |     |      | 1140.0 |          | 1026.0      |         |
| DOOR TYPES<br>Area X BSPM = Points                             |          |         |         | Type<br>Area X SPM = Points                                   |   |     |      |        |          |             |         |
| Adjacent   | 0.0      | 0.00    | 0.0     | Exterior Insulated  |   |     | 63.0 |        | 4.10     | 258.3       |         |
| Exterior   | 63.0     | 6.10    | 384.3   |   |   |     |      |        |          |             |         |
| Base Total:  |          | 63.0    | 384.3   | As-Built Total:   |   |     |      | 63.0   |          | 258.3       |         |
| CEILING TYPES<br>Area X BSPM = Points                          |          |         |         | Type<br>R-Value<br>Area X SPM X SCM = Points                  |   |     |      |        |          |             |         |
| Under Attic  | 1800.0   | 1.73    | 3114.0  | Under Attic   |   |     | 19.0 |        | 976.0    | 2.34 X 1.00 | 2283.8  |
|  |          |         |         | Under Attic   |   |     | 19.0 |        | 988.0    | 2.34 X 1.00 | 2311.9  |
| Base Total:  |          | 1800.0  | 3114.0  | As-Built Total:   |   |     |      | 1964.0 |          | 4595.8      |         |
| FLOOR TYPES<br>Area X BSPM = Points                            |          |         |         | Type<br>R-Value<br>Area X SPM = Points                        |   |     |      |        |          |             |         |
| Slab   | 172.0(p) | -37.0   | -6364.0 | Slab-On-Grade Edge Insulation                                 |   |     | 0.0  |        | 172.0(p) | -41.20      | -7086.4 |
| Raised   | 0.0      | 0.00    | 0.0     |   |   |     |      |        |          |             |         |
| Base Total:  |          | -6364.0 |         | As-Built Total:   |   |     |      | 172.0  |          | -7086.4     |         |

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

| BASE  |  |  |  | AS-BUILT   |  |  |  |
|---|--|--|--|--|--|--|--|
| INFILTRATION Area X BSPM = Points                           |  |  |  | Area X SPM = Points  |  |  |  |
| 1800.0 10.21 18378.0  |  |  |  | 1800.0 10.21 18378.0   |  |  |  |
| Summer Base Points: 23943.3                                 |  |  |  | Summer As-Built Points: 23131.5  |  |  |  |
| Total Summer X System = Cooling<br>Points Multiplier Points |  |  |  | Total X Cap X Duct X System X Credit = Cooling<br>Component Ratio Multiplier Multiplier Multiplier Points<br>(System - Points) (DM x DSM x AHU)  |  |  |  |
| 23943.3 0.4266 10214.2                                      |  |  |  | (sys 1: Central Unit 36000 btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.5(INS)<br>23132 1.00 (1.00 x 1.147 x 0.91) 0.263 1.000 6338.7<br><b>23131.5 1.00 1.044 0.263 1.000 6338.7</b> |  |  |  |

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

| BASE  |               |       |               | AS-BUILT                      |                          |     |                           |               |                |        |        |
|---|---------------|-------|---------------|-------------------------------|--------------------------|-----|---------------------------|---------------|----------------|--------|--------|
| <b>GLASS TYPES</b>                              |               |       |               |                               |                          |     |                           |               |                |        |        |
| .18 X Conditioned X BWPM = Points<br>Floor Area |               |       |               | Type/SC                       | Overhang<br>Ornt Len Hgt |     | Area X WPM X WOF = Points |               |                |        |        |
| .18   | 1800.0        | 12.74 | 4127.8        | Single, Clear                 | S                        | 9.3 | 6.0                       | 60.0          | 20.24          | 3.32   | 4028.4 |
|   |               |       |               | Single, Clear                 | S                        | 9.3 | 6.0                       | 20.0          | 20.24          | 3.32   | 1342.8 |
|   |               |       |               | Single, Clear                 | S                        | 9.3 | 7.0                       | 20.0          | 20.24          | 3.15   | 1274.9 |
|   |               |       |               | Single, Clear                 | N                        | 1.3 | 6.0                       | 15.0          | 33.22          | 1.00   | 499.2  |
|   |               |       |               | Single, Clear                 | N                        | 1.3 | 4.0                       | 6.0           | 33.22          | 1.00   | 200.3  |
|   |               |       |               | Single, Clear                 | N                        | 1.3 | 6.0                       | 30.0          | 33.22          | 1.00   | 998.3  |
|   |               |       |               | Single, Clear                 | N                        | 1.3 | 4.0                       | 9.0           | 33.22          | 1.00   | 300.4  |
|   |               |       |               | Single, Clear                 | W                        | 1.0 | 10.0                      | 15.0          | 28.84          | 1.00   | 433.2  |
|   |               |       |               | Single, Clear                 | W                        | 1.0 | 8.0                       | 15.0          | 28.84          | 1.00   | 433.7  |
|   |               |       |               | Single, Clear                 | W                        | 1.0 | 11.0                      | 6.0           | 28.84          | 1.00   | 173.3  |
|   |               |       |               | Single, Clear                 | E                        | 1.0 | 9.0                       | 10.0          | 26.41          | 1.01   | 265.9  |
|   |               |       |               | Single, Clear                 | E                        | 1.0 | 13.0                      | 10.0          | 26.41          | 1.00   | 265.4  |
|   |               |       |               | Single, Clear                 | E                        | 1.0 | 10.0                      | 6.0           | 26.41          | 1.01   | 159.4  |
|   |               |       |               | <b>As-Built Total:</b>        |                          |     |                           | <b>222.0</b>  | <b>10375.1</b> |        |        |
| <b>WALL TYPES</b> Area X BWPM = Points          |               |       |               | Type                          | R-Value                  |     | Area X WPM = Points       |               |                |        |        |
| Adjacent  | 0.0           | 0.00  | 0.0           | Frame, Wood, Exterior         | 19.0                     |     | 1140.0                    | 2.20          |                | 2508.0 |        |
| Exterior  | 1140.0        | 3.70  | 4218.0        |                               |                          |     |                           |               |                |        |        |
| <b>Base Total:</b>                              | <b>1140.0</b> |       | <b>4218.0</b> | <b>As-Built Total:</b>        |                          |     | <b>1140.0</b>             | <b>2508.0</b> |                |        |        |
| <b>DOOR TYPES</b> Area X BWPM = Points          |               |       |               | Type                          |                          |     | Area X WPM = Points       |               |                |        |        |
| Adjacent  | 0.0           | 0.00  | 0.0           | Exterior Insulated            |                          |     | 63.0                      | 8.40          |                | 529.2  |        |
| Exterior  | 63.0          | 12.30 | 774.9         |                               |                          |     |                           |               |                |        |        |
| <b>Base Total:</b>                              | <b>63.0</b>   |       | <b>774.9</b>  | <b>As-Built Total:</b>        |                          |     | <b>63.0</b>               | <b>529.2</b>  |                |        |        |
| <b>CEILING TYPES</b> Area X BWPM = Points       |               |       |               | Type                          | R-Value                  |     | Area X WPM X WCM = Points |               |                |        |        |
| Under Attic                                     | 1800.0        | 2.05  | 3690.0        | Under Attic                   | 19.0                     |     | 976.0                     | 2.70 X 1.00   |                | 2635.2 |        |
|   |               |       |               | Under Attic                   | 19.0                     |     | 988.0                     | 2.70 X 1.00   |                | 2667.6 |        |
| <b>Base Total:</b>                              | <b>1800.0</b> |       | <b>3690.0</b> | <b>As-Built Total:</b>        |                          |     | <b>1964.0</b>             | <b>5302.8</b> |                |        |        |
| <b>FLOOR TYPES</b> Area X BWPM = Points         |               |       |               | Type                          | R-Value                  |     | Area X WPM = Points       |               |                |        |        |
| Slab  | 172.0(p)      | 8.9   | 1530.8        | Slab-On-Grade Edge Insulation | 0.0                      |     | 172.0(p)                  | 18.80         |                | 3233.6 |        |
| Raised  | 0.0           | 0.00  | 0.0           |                               |                          |     |                           |               |                |        |        |
| <b>Base Total:</b>                              |               |       | <b>1530.8</b> | <b>As-Built Total:</b>        |                          |     | <b>172.0</b>              | <b>3233.6</b> |                |        |        |

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

| BASE  |  |  |  | AS-BUILT  |  |  |  |
|---|--|--|--|---|--|--|--|
| INFILTRATION Area X BWPM = Points                           |  |  |  | Area X WPM = Points   |  |  |  |
| 1800.0 -0.59 -1062.0  |  |  |  | 1800.0 -0.59 -1062.0  |  |  |  |
| <b>Winter Base Points: 13279.5</b>                          |  |  |  | <b>Winter As-Built Points: 20886.7</b>  |  |  |  |
| Total Winter X System = Heating<br>Points Multiplier Points |  |  |  | Total X Cap X Duct X System X Credit = Heating<br>Component Ratio Multiplier Multiplier Multiplier Points<br>(System - Points) (DM x DSM x AHU)   |  |  |  |
| 13279.5 0.6274 8331.5                                       |  |  |  | (sys 1: Electric Heat Pump 36000 btuh ,EFF(8.0) Ducts:Con(S),Con(R),Int(AH),R6.5<br>20886.7 1.000 (1.000 x 1.169 x 0.93) 0.426 1.000 9679.0<br><b>20886.7 1.00 1.087 0.426 1.000 9679.0</b> |  |  |  |



**WATER HEATING & CODE COMPLIANCE STATUS**

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

PERMIT #:

| BASE                 |   |            |   |        | AS-BUILT        |      |           |   |       |            |
|----------------------|---|------------|---|--------|-----------------|------|-----------|---|-------|------------|
| <b>WATER HEATING</b> |   |            |   |        | Tank            | EF   | Number of | X | Tank  | X          |
| Number of            | X | Multiplier | = | Total  | Volume          |      | Bedrooms  |   | Ratio | Multiplier |
| Bedrooms             |   |            |   |        |                 |      |           |   |       |            |
| 3                    |   | 2635.00    |   | 7905.0 | 50.0            | 0.95 | 3         |   | 1.00  | 2551.79    |
|                      |   |            |   |        |                 |      |           |   |       | 1.00       |
|                      |   |            |   |        |                 |      |           |   |       | 7655.4     |
|                      |   |            |   |        | As-Built Total: |      |           |   |       | 7655.4     |

**CODE COMPLIANCE STATUS**

| BASE    |   |         |   |           | AS-BUILT |        |         |   |         |
|---------|---|---------|---|-----------|----------|--------|---------|---|---------|
| Cooling | + | Heating | + | Hot Water | =        | Total  | Cooling | + | Heating |
| Points  |   | Points  |   | Points    |          | Points | Points  |   | Points  |
| 10214   |   | 8332    |   | 7905      |          | 26451  | 6339    |   | 9679    |
|         |   |         |   |           |          |        |         |   | 7655    |
|         |   |         |   |           |          |        |         |   | 23673   |

**PASS**

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , , ,

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.<br>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.<br>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 circ 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.<br>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.<br>Common ceiling & floors R-11.   |       |

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 85.2**

**The higher the score, the more efficient the home.**

Josh & Tina Edwards, Lot: , Sub: , Plat: , , ,

|   |   |     |  |                       |
|---|---|-----|--|-----------------------|
| 1. New construction or existing   | New                                     | ___ | 12. Cooling systems                    |                       |
| 2. Single family or multi-family  | Single family                           | ___ | a. Central Unit                        | Cap: 36.0 kBtu/hr ___ |
| 3. Number of units, if multi-family   | 1                                       | ___ |  | SEER: 13.00 ___       |
| 4. Number of Bedrooms   | 3                                       | ___ | b. N/A                                 | ___                   |
| 5. Is this a worst case?  | Yes                                     | ___ | c. N/A                                 | ___                   |
| 6. Conditioned floor area (ft <sup>2</sup> )                                    | 1800 ft <sup>2</sup>                    | ___ |  | ___                   |
| 7. Glass type <sup>1</sup> 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: 36.0 kBtu/hr ___ |
| (or Single or Double DEFAULT)   | 7a(Sngle Default) 172.0 ft <sup>2</sup> | ___ |  | HSFP: 8.00 ___        |
| b. SHGC:  |   | ___ | b. N/A                                 | ___                   |
| (or Clear or Tint DEFAULT)  | 7b. (Clear) 172.0 ft <sup>2</sup>       | ___ | c. N/A                                 | ___                   |
| 8. Floor types  |   | ___ | 14. Hot water systems                  |                       |
| a. Slab-On-Grade Edge Insulation  | R=0.0, 172.0(p) ft                      | ___ | a. Electric Resistance                 | Cap: 50.0 gallons ___ |
| b. N/A  |   | ___ |  | EF: 0.95 ___          |
| c. N/A  |   | ___ | b. N/A                                 | ___                   |
| 9. Wall types   |   | ___ | c. Conservation credits                | ___                   |
| a. Frame, Wood, Exterior  | R=19.0, 1140.0 ft <sup>2</sup>          | ___ | (HR-Heat recovery, Solar               |                       |
| b. N/A  |   | ___ | DHP-Dedicated heat pump)               |                       |
| c. N/A  |   | ___ | 15. HVAC credits                       |                       |
| d. N/A  |   | ___ | (CF-Ceiling fan, CV-Cross ventilation, |                       |
| e. N/A  |   | ___ | HF-Whole house fan,                    |                       |
| 10. Ceiling types   |   | ___ | PT-Programmable Thermostat,            |                       |
| a. Under Attic  | R=19.0, 976.0 ft <sup>2</sup>           | ___ | MZ-C-Multizone cooling,                |                       |
| b. Under Attic  | R=19.0, 988.0 ft <sup>2</sup>           | ___ | MZ-H-Multizone heating)                |                       |
| c. N/A  |   | ___ |  |                       |
| 11. Ducts   |   | ___ |  |                       |
| a. Sup: Con. Ret: Con. AH: Interior   | Sup. R=6.5, 120.0 ft                    | ___ |  |                       |
| b. N/A  |   | ___ |  |                       |

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

Builder Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Address of New Home: \_\_\_\_\_

City/FL Zip: \_\_\_\_\_



*\*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar<sup>TM</sup> 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](http://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.*

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.  
EnergyGauge® (Version: FLRCSB v4.0)

9

10

ZONE X

RIDGE

ROAD

ZONE X

16

ZONE X

52

BLACK  
LAKE

15

51

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 |
|----|----|----|----|----|----|----|----|----|

41

411

25

ZONE X

ZONE AE



# 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](http://www.floridabuilding.org)

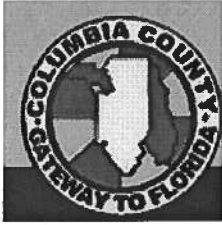
| Category/Subcategory                     | Manufacturer       | Product Description            | Approval Number(s) |
|--|--------------------|--------------------------------|--------------------|
| <b>1. EXTERIOR DOORS</b>                 |                    |                                |                    |
| A. SWINGING                              | Thermax Tru        | Exterior Fiberglass Swing Door | FL 1170.R1         |
| B. SLIDING                               |                    |                                |                    |
| C. SECTIONAL/ROLL UP                     |                    |                                |                    |
| D. OTHER                                 |                    |                                |                    |
| <b>2. WINDOWS</b>                        |                    |                                |                    |
| A. SINGLE/DOUBLE HUNG                    | West Window        | Single Hung Vinyl              | FL 5410            |
| B. HORIZONTAL SLIDER                     |                    |                                |                    |
| C. CASEMENT                              |                    |                                |                    |
| D. FIXED                                 |                    |                                |                    |
| E. MULLION                               | West Window        | 1" Structural Mull             | FL 5067            |
| F. SKYLIGHTS                             |                    |                                |                    |
| G. OTHER                                 |                    |                                |                    |
| <b>3. PANEL WALL</b>                     |                    |                                |                    |
| A. SIDING                                | James Hardie       | 7.5" Cement Lap Siding         | FL 889 R2          |
| B. SOFFITS                               | Alcoa              | Aluminum Soffit                | FL 5543            |
| C. STOREFRONTS                           |                    |                                |                    |
| D. GLASS BLOCK                           |                    |                                |                    |
| E. OTHER                                 |                    |                                |                    |
| <b>4. ROOFING PRODUCTS</b>               |                    |                                |                    |
| A. ASPHALT SHINGLES                      | Owens Corning      | 30yr Arch. Asphalt Shingle     | FL 3663 R1         |
| B. NON-STRUCT METAL                      |                    |                                |                    |
| C. ROOFING TILES                         |                    |                                |                    |
| D. SINGLE PLY ROOF                       |                    |                                |                    |
| E. OTHER                                 |                    |                                |                    |
| <b>5. STRUCT COMPONENTS</b>              |                    |                                |                    |
| A. WOOD CONNECTORS                       | Simpson Strong Tie | Straps / Ties                  | FL 1423.R2         |
| B. WOOD ANCHORS                          | Simpson Strong Tie | Saddles / Hangers              | FL 1901.R3         |
| C. TRUSS PLATES                          |                    |                                |                    |
| D. INSULATION FORMS                      |                    |                                |                    |
| E. LINTELS                               |                    |                                |                    |
| F. OTHERS                                |                    |                                |                    |
| <b>6. NEW EXTERIOR ENVELOPE PRODUCTS</b> |                    |                                |                    |
| 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.

John C. Seaveland w/  
APPLICANT SIGNATURE

6/2/06  
DATE

Gray Construction Co.



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

Reference to a building permit application Number: **0606-74**

Contractor: Gary Construction Tina & Joshua Edwards Lots 11, 12 & 13 of  
Gilbert Park

On the date of June 23, 2006 application 0606-74 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 0606-74 when making reference to this application.**

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

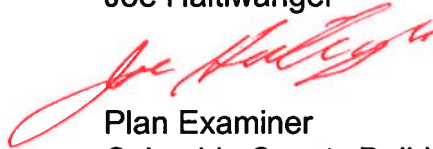
**To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.**

- 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.** Sheet 1 of the plans structural design criteria, soil bearing value requires that the soils have the bearing of 2000 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 electrical plan show the location of the electrical panel and include the total amperage rating of the electrical service panel also show the overcurrent protection device which 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.
- 4.** Please show the method to which the roof ventilation as required in section R806.2 of the FRC-2004 will be accomplished: Minimum area. The total net free ventilating area shall not be less than 1 to 150 of the area of the space ventilated except that the total area is permitted to be reduced

to 1 to 300, provided at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1 to 300 when a vapor barrier having a transmission rate not exceeding 1 perm ( $57.4 \text{ mg/s} \cdot \text{m}^2 \cdot \text{Pa}$ ) is installed on the warm side of the ceiling.

- 5.** The electrical plan shows the location of the electrical service, Please indicate on the electrical plan that an overcurrent protection device will 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.

Joe Haltiwanger



Plan Examiner  
Columbia County Building Department



**GENERAL CONTRACTORS • CONSTRUCTION MANAGERS**

**MEMO**

To: Joe Haltiwanger  
From: John Beauchamp  
Subject: Application # 0606-74  
Date: 6/26/06

Mr. Haltiwanger,

Per our conversation 6/26/06 regarding the fax sent by you on 6/23/06 please find answers to questions 1 thru 4 below:

- 1.) A signed released site plan from C.C.E.H.D should be complete by 6/28/06. All necessary paper work has been submitted to the Health Department.
- 2.) Please note letter from our P.E., Gregory P. Rivers, concerning soil compaction at 1,000 PSF.
- 3.) We will install 200 AMP electrical panel in the laundry room on the wall over the dryer with 200 AMP Meter base & disconnect outside in same area. All will be wired with (4) four conductors, one of which will be equipment ground.
- 4.) We will install ridge vent the full length of the house w/ vented soffit on eaves.

Thank You.

500 N Main, Trenton, Florida 32693-3442  
(352)463-9060

Fax (352)463-0031 E-mail: [grayconst@AOL.com](mailto:grayconst@AOL.com)

State of Florida Certified General Contractor's License No.:CGC037553  
Providing Quality Construction Services Since 1975



**Gregory P. Rivers, PE**

PO Box 1369

Chiefland, FL 32644-1369

June 12, 2006

Mr. Tom Edwards  
Tri-County Home Designs  
P.O. Box 285  
Trenton, FL 32693

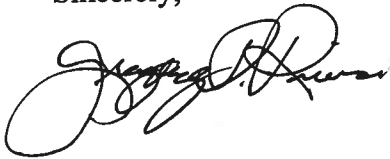
RE: Residence of Josh and Tina Edwards  
Columbia County, Florida

Dear Tom:

The reinforcing steel used for this residence may be ASTM A615 Grade 40.

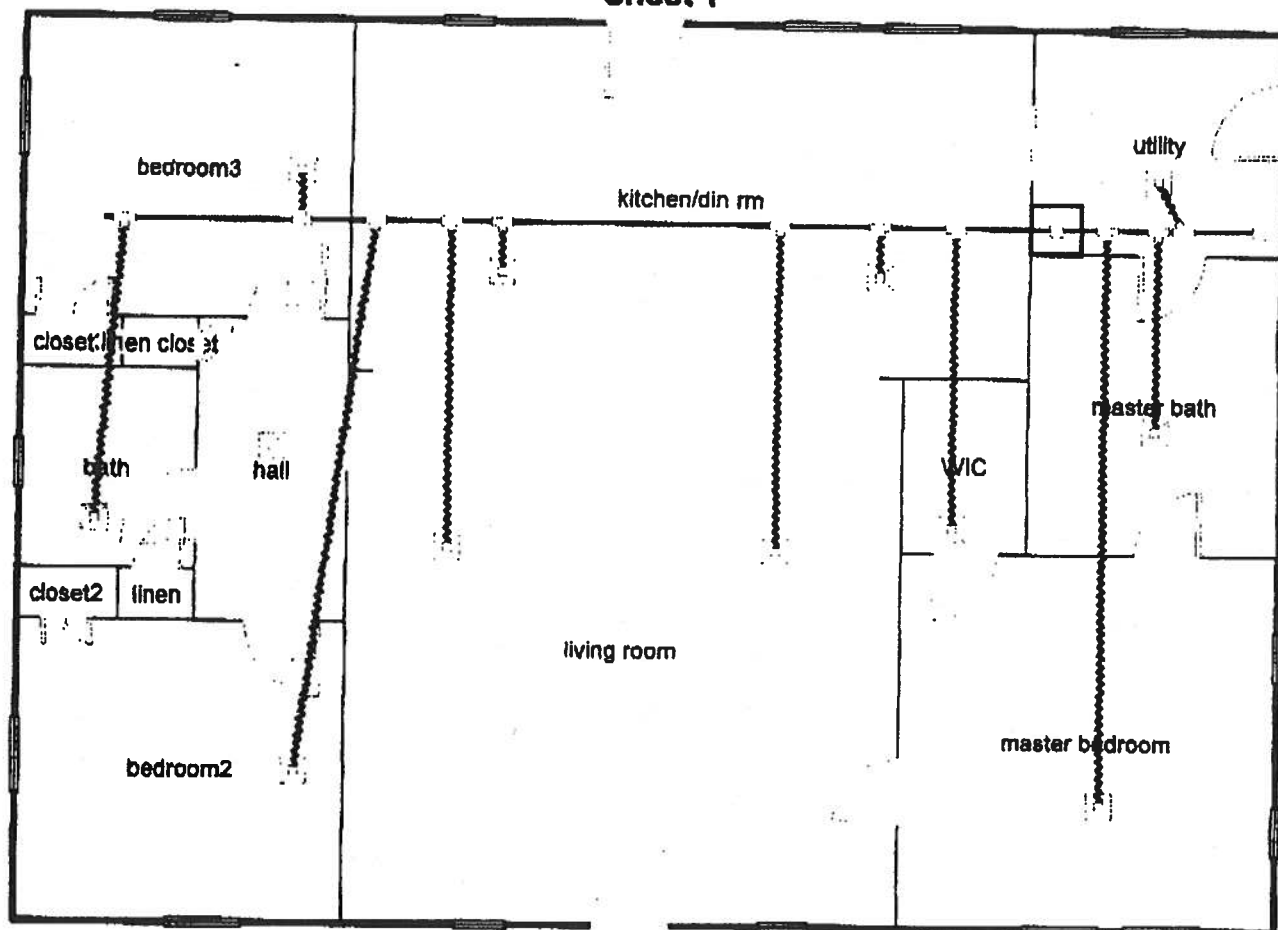
The foundation size for an allowable soil bearing value of 1000 psf shall be 1'-8" wide.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gregory P. Rivers', with a large, stylized initial 'G'.

Gregory P. Rivers, P.E.  
FL #35800

# Sheet 1



**Job #:**  
**Performed by Shawna for:**

Josh & Tina Edwards  
273 SE Hardin Ct  
High Springs, FL 32643

**Akins Heat & Air, Inc**

5120 NW 5th Street  
Bell, FL 32619  
Phone: 463-2380 Fax: 463-2328

**Scale: 1 : 90**

Page 1  
Right-Side Residential  
5.9.37 RSR38702  
2006-May-31 16:11:38  
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# Duct System Summary

## Entire House

Akins Heat & Air, Inc

Job:  
Date: May 31, 2006  
By: Shawna

5120 NW 5th Street, Bell, FL 32619 Phone: 463-2380 Fax: 463-2328

### Project Information

For: Josh & Tina Edwards  
273 SE Hardin Ct, High Springs, FL 32643

|                                    |                                 |                                 |
|------------------------------------|---------------------------------|---------------------------------|
| External static pressure           | Heating                         | Cooling                         |
| Pressure losses                    | 0.08 in H <sub>2</sub> O        | 0.08 in H <sub>2</sub> O        |
| Available static pressure          | 0.00 in H <sub>2</sub> O        | 0.00 in H <sub>2</sub> O        |
| Supply / return available pressure | 0.08 in H <sub>2</sub> O        | 0.08 in H <sub>2</sub> O        |
| Lowest friction rate               | 0.04 / 0.04 in H <sub>2</sub> O | 0.04 / 0.04 in H <sub>2</sub> O |
| Actual air flow                    | 0.040 in/100ft                  | 0.040 in/100ft                  |
| Total effective length (TEL)       | 1489 cfm                        | 1489 cfm                        |

199 ft

### Supply Branch Detail Table

| Name             | Design (Btuh) | Htg (cfm) | Clg (cfm) | Design FR | Diam (in) | Rect Size (in) | Duct Matl | Actual Ln (ft) | Ftg.Eqv Ln (ft) | Trunk |
|------------------|---------------|-----------|-----------|-----------|-----------|----------------|-----------|----------------|-----------------|-------|
| living room-A    | h 2915        | 149       | 137       | 0.041     | 9         | 0x0            | VIFx      | 37.0           | 160.0           | st1   |
| living room      | h 2915        | 149       | 137       | 0.040     | 9         | 0x0            | VIFx      | 24.0           | 175.0           | st1   |
| bedroom2         | h 3874        | 198       | 152       | 0.040     | 10        | 0x0            | VIFx      | 49.2           | 150.0           | st1   |
| bedroom3         | h 3874        | 198       | 153       | 0.047     | 10        | 0x0            | VIFx      | 32.0           | 140.0           | st1   |
| bath             | h 1407        | 72        | 39        | 0.045     | 7         | 0x0            | VIFx      | 49.0           | 130.0           | st1   |
| kitchen/din rm-A | c 3213        | 119       | 173       | 0.042     | 10        | 0x0            | VIFx      | 24.0           | 165.0           | st1   |
| kitchen/din rm   | c 3213        | 119       | 173       | 0.043     | 10        | 0x0            | VIFx      | 9.0            | 175.0           | st1   |
| utility          | c 4495        | 149       | 242       | 0.058     | 10        | 0x0            | VIFx      | 7.2            | 130.0           | st2   |
| master bedroom   | h 4807        | 246       | 236       | 0.046     | 11        | 0x0            | VIFx      | 25.0           | 150.0           | st2   |
| WIC              | c 69          | 2         | 4         | 0.042     | 4         | 0x0            | VIFx      | 16.0           | 175.0           | st1   |
| master bath      | h 1678        | 86        | 45        | 0.053     | 7         | 0x0            | VIFx      | 12.0           | 140.0           | st2   |

### Supply Trunk Detail Table

| Name | Trunk Type | Htg (cfm) | Clg (cfm) | Design FR | Veloc (fpm) | Diam (in) | Rect Duct Size (in) | Duct Material | Trunk |
|------|------------|-----------|-----------|-----------|-------------|-----------|---------------------|---------------|-------|
| st1  | Peak AVF   | 1008      | 966       | 0.040     | 639         | 17        | 0 x 0               | RectFbg       |       |
| st2  | Peak AVF   | 481       | 523       | 0.046     | 567         | 13        | 0 x 0               | RectFbg       |       |

# Return Branch Detail Table

| Name | Grill<br>Size (in) | Htg<br>(cfm) | Clg<br>(cfm) | TEL<br>(ft) | Design<br>FR | Veloc<br>(fpm) | Diam<br>(in) | RectSize<br>(in) | Stud/Joist<br>Opening (in) | Duct<br>Matl | Trunk |
|------|--------------------|--------------|--------------|-------------|--------------|----------------|--------------|------------------|----------------------------|--------------|-------|
| rb2  | 0x0                | 539          | 502          | 0.0         | 0.000        | 0              | 0            | 0x 0             |                            | VIFx         |       |
| rb3  | 0x0                | 481          | 523          | 0.0         | 0.000        | 0              | 0            | 0x 0             |                            | VIFx         |       |
| rb1  | 0x0                | 469          | 465          | 0.0         | 0.000        | 0              | 0            | 0x 0             |                            | VIFx         |       |



wrightsoft

Right-Suite Residential 5.9.37 RSR39702

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2006-May-31 16:09:42

Page 2



**AED Assessment**  
**Entire House**  
**Akins Heat & Air, Inc**

Job:  
Date: May 31, 2006  
By: Shawna

5120 NW 5th Street, Bell, FL 32610 Phone: 463-2380 Fax: 463-2328

**Project Information**

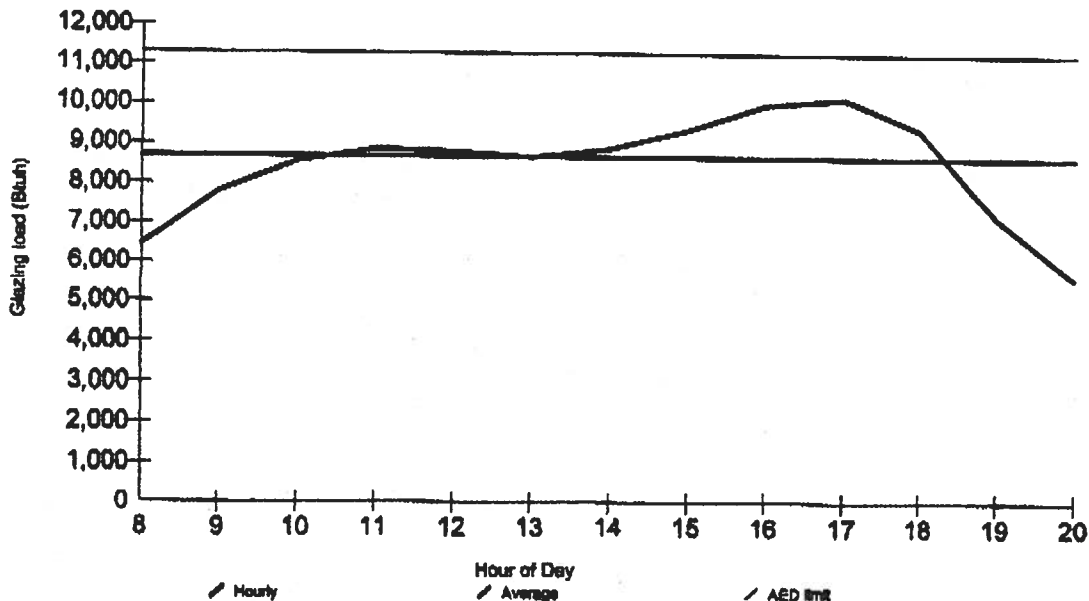
For: Josh & Tina Edwards  
273 SE Hardin Ct, High Springs, FL 32643

**Design Conditions**

|                     |            |                             |                      |                |                |
|---------------------|------------|-----------------------------|----------------------|----------------|----------------|
| <b>Location:</b>    |            | <b>Indoor:</b>              |                      | <b>Heating</b> | <b>Cooling</b> |
| Gainesville, FL, US |            | Indoor temperature (°F)     |                      | 70             | 75             |
| Elevation: 151 ft   |            | Design TD (°F)              |                      | 37             | 17             |
| Latitude: 30°N      |            | Relative humidity (%)       |                      | 30             | 50             |
| <b>Outdoor:</b>     |            | Moisture difference (gr/lb) |                      | 10.6           | 52.0           |
| Dry bulb (°F)       | Heating 33 | Cooling 92                  | <b>Infiltration:</b> |                |                |
| Daily range (°F)    | -          | 19 ( M )                    | Method               |                | Simplified     |
| Wet bulb (°F)       | -          | 77                          | Construction quality |                | Average        |
| Wind speed (mph)    | 15.0       | 7.5                         | Fireplaces           |                | 0              |

**Test for Adequate Exposure Diversity**

**Hourly Glazing Load**



**Maximum hourly glazing load exceeds average by 17.2%.**

**House has adequate exposure diversity (AED), based on AED limit of 30%.**

**AED excursion: 0 Btuh**



**wrightsoft** Right-Size Residential 5.9.37 RSR39702  
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2006-May-31 16:08:42  
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# Building Analysis Entire House Akins Heat & Air, Inc

Job:  
Date: May 31, 2006  
By: Shawna

5120 NW 8th Street, Bell, FL 32819 Phone: 463-2380 Fax: 463-2328

## Project Information

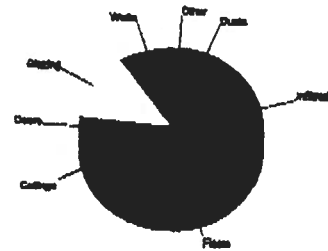
For: Josh & Tina Edwards  
273 SE Hardin Ct, High Springs, FL 32643

## Design Conditions

|                     |      |                             |  |                |                |
|---------------------|------|-----------------------------|--|----------------|----------------|
| <b>Location:</b>    |      | <b>Indoor:</b>              |  | <b>Heating</b> | <b>Cooling</b> |
| Gainesville, FL, US |      | Indoor temperature (°F)     |  | 70             | 75             |
| Elevation: 151 ft   |      | Design TD (°F)              |  | 37             | 17             |
| Latitude: 30°N      |      | Relative humidity (%)       |  | 30             | 50             |
| <b>Outdoor:</b>     |      | Moisture difference (gr/lb) |  | 10.6           | 52.0           |
| Dry bulb (°F)       | 33   | <b>Infiltration:</b>        |  |                |                |
| Daily range (°F)    | -    | Method                      |  | Simplified     |                |
| Wet bulb (°F)       | -    | Construction quality        |  | Average        |                |
| Wind speed (mph)    | 15.0 | Fireplaces                  |  | 0              |                |

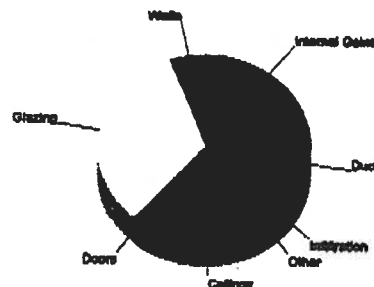
## Heating

| Component      | Btuh/ft² | Btuh         | % of load    |
|----------------|----------|--------------|--------------|
| Walls          | 2.5      | 2818         | 9.5          |
| Glazing        | 21.1     | 4070         | 13.8         |
| Doors          | 14.4     | 909          | 3.1          |
| Ceilings       | 2.0      | 3898         | 13.2         |
| Floors         | 4.8      | 8650         | 29.2         |
| Infiltration   | 4.6      | 6289         | 21.2         |
| Ducts          |          | 2445         | 8.3          |
| Piping         |          | 0            | 0.0          |
| Humidification |          | 0            | 0.0          |
| Ventilation    |          | 524          | 1.8          |
| Adjustments    |          | -0           |              |
| <b>Total</b>   |          | <b>29601</b> | <b>100.0</b> |



## Cooling

| Component      | Btuh/ft² | Btuh         | % of load    |
|----------------|----------|--------------|--------------|
| Walls          | 1.4      | 1527         | 5.5          |
| Glazing        | 48.3     | 9320         | 33.4         |
| Doors          | 11.4     | 716          | 2.6          |
| Ceilings       | 2.6      | 4975         | 17.8         |
| Floors         | 0.0      | 3            | 0.0          |
| Infiltration   | 1.0      | 1445         | 5.2          |
| Ducts          |          | 3992         | 14.3         |
| Ventilation    |          | 241          | 0.9          |
| Internal gains |          | 5720         | 20.5         |
| Blower         |          | 0            | 0.0          |
| Adjustments    |          | 0            |              |
| <b>Total</b>   |          | <b>27940</b> | <b>100.0</b> |



Overall U-value = 0.108 Btuh/ft²-°F

WARNING: suspicious slab-on-grade floor perimeter in bedroom2.



**Component Constructions**  
**Entire House**  
**Akins Heat & Air, Inc**

Job:  
 Date: May 31, 2006  
 By: Shawna

5120 NW 5th Street, Bell, FL 32619 Phone: 483-2380 Fax: 483-2328

**Project Information**

For: Josh & Tina Edwards  
 273 SE Hardin Ct, High Springs, FL 32643

**Design Conditions**

|                     |                |                |  |                             |                |                |  |
|---------------------|----------------|----------------|--|-----------------------------|----------------|----------------|--|
| <b>Location:</b>    |                |                |  |                             |                |                |  |
| Gainesville, FL, US |                |                |  | <b>Indoor:</b>              | <b>Heating</b> | <b>Cooling</b> |  |
| Elevation: 151 ft   |                |                |  | Indoor temperature (°F)     | 70             | 75             |  |
| Latitude: 30°N      |                |                |  | Design TD (°F)              | 37             | 17             |  |
| <b>Outdoor:</b>     |                |                |  | Relative humidity (%)       | 30             | 50             |  |
| Dry bulb (°F)       | <b>Heating</b> | <b>Cooling</b> |  | Moisture difference (gr/lb) | 10.6           | 52.0           |  |
| Daily range (°F)    | 33             | 92             |  | <b>Infiltration:</b>        |                |                |  |
| Wet bulb (°F)       | -              | 19 (M)         |  | Method                      | Simplified     |                |  |
| Wind speed (mph)    | 15.0           | 7.5            |  | Construction quality        | Average        |                |  |
|                     |                |                |  | Fireplaces                  | 0              |                |  |

**Construction descriptions**

|  | Or  | Area (ft²) | U-value (Btu/h-ft²-°F) | Insul R (ft²-h/Btu) | Htg HTM (Btu/h-ft²) | Loss (Btu/h) | Cig HTM (Btu/h-ft²) | Gain (Btu/h) |
|--|-----|------------|------------------------|---------------------|---------------------|--------------|---------------------|--------------|
| <b>Walls</b>   |     |            |                        |                     |                     |              |                     |              |
| 12E-0sw: Wood stud frame, siding or stucco, no board insulation, R-19 cavity insulation  | ne  | 252        | 0.068                  | 19.0                | 2.52                | 634          | 1.36                | 344          |
|  | se  | 313        | 0.068                  | 19.0                | 2.52                | 788          | 1.36                | 427          |
|  | sw  | 241        | 0.068                  | 19.0                | 2.52                | 606          | 1.36                | 329          |
|  | nw  | 314        | 0.068                  | 19.0                | 2.52                | 790          | 1.36                | 428          |
|  | all | 1120       | 0.068                  | 19.0                | 2.52                | 2618         | 1.36                | 1527         |
| <b>Partitions (none)</b>   |     |            |                        |                     |                     |              |                     |              |
| <b>Windows</b>   |     |            |                        |                     |                     |              |                     |              |
| 1D-2ow: Operable, clear glass, wood frame, 2 pane  | ne  | 36         | 0.570                  | 0.0                 | 21.1                | 759          | 47.4                | 1707         |
|  | se  | 68         | 0.570                  | 0.0                 | 21.1                | 1382         | 49.3                | 3251         |
|  | sw  | 26         | 0.570                  | 0.0                 | 21.1                | 548          | 49.3                | 1281         |
|  | nw  | 65         | 0.570                  | 0.0                 | 21.1                | 1371         | 47.4                | 3081         |
|  | all | 193        | 0.570                  | 0.0                 | 21.1                | 4070         | 48.3                | 9320         |
| <b>Doors</b>   |     |            |                        |                     |                     |              |                     |              |
| 11D0: Wood door, solid core, no storm  | se  | 21         | 0.390                  | 0.0                 | 14.4                | 303          | 11.4                | 239          |
|  | sw  | 21         | 0.390                  | 0.0                 | 14.4                | 303          | 11.4                | 239          |
|  | nw  | 21         | 0.390                  | 0.0                 | 14.4                | 303          | 11.4                | 239          |
|  | all | 63         | 0.390                  | 0.0                 | 14.4                | 909          | 11.4                | 716          |
| <b>Ceilings</b>  |     |            |                        |                     |                     |              |                     |              |
| 16B-30ad: Ceiling under vented attic, no radiant barrier, dark shingles, R-30 insulation |     | 1316       | 0.032                  | 30.0                | 1.18                | 1558         | 1.68                | 2217         |
| 17B-8sl: Ceiling on exposed beams, light shingles, R-6 insulation, 1½" wood deck         |     | 602        | 0.105                  | 6.0                 | 3.88                | 2338         | 4.58                | 2758         |
| <b>Floors</b>  |     |            |                        |                     |                     |              |                     |              |
| 18C-19cscp: Carpeted floor over tight enclosed crawl, R-11 wall, R-19 blanket            |     | 12         | 0.049                  | 19.0                | 0.63                | 8            | 0.29                | 3            |
| 22A-cph: Carpeted slab on grade, heavy moist soil, No edge insul, No horiz insul         |     | 172        | 1.358                  | 0.0                 | 50.2                | 8642         | 0.00                | 0            |



wrightsoft Right-Subs Residential 5.9.37 RSR38702  
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 Page 1

24733

**Notice of Preventative Treatments for Termites**

(as required by Florida Building Code (FBC) 104.2.6)

**EDWARDS PEST CONTROL, 386 454 3051**

**241 SE HARDIN COURT, HIGH SPRINGS, FL, 32643**

273 S.E. Hardin Ct. High Springs, FL. 32643

Address of Treatment or Lot/Block of Treatment

08/15/06  
Date

1:00pm  
Time

J.W. Edwards  
Applicator

Premise 75  
Product Used

Imidachloprid  
Chemical used (active ingredient)

280  
Number of gallons applied

.05  
Percent Concentration

2200  
Area treated (square feet)

\_\_\_\_\_  
Linear feet treated

Horizontal  
Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

As per 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 and date this line \_\_\_\_\_.

# COLUMBIA COUNTY OFFICE 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 15-7S-17-09996-004

Building permit No. 000024733

Use Classification SFD/UTILITY

Fire: 0.00

Permit Holder JON R. GRAY

Waste: 0.00

Owner of Building JOSHUA & TINA EDWARDS

Total: 0.00

Location: 273 SE HARDIN CRT, (GILBERT PARK LTS 11,12,13)

Date: 12/21/2006



Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)

Permit Number: \_\_\_\_\_ Lot Number: \_\_\_\_\_  
Miscellaneous: \_\_\_\_\_ Address: \_\_\_\_\_

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

Index Page 1 of 1

Truss Fabricator: Mayo Truss Company, Inc

Job Reference: GRAY-EDWARDS - JOSH EDWARDS

**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

ANSI/ASCE 7-02  
Wind Speed - 120 MPH  
Mean Roof Ht. - 15 FT  
Exposure Category - B  
Occupancy Factor - 1.00  
MWFRS  
Enclosed

| Job Number | Date       | FBC - 2004 Chapter 16 and 23 | Specification Quantity |
|------------|------------|------------------------------|------------------------|
| T06061921  | 06/19/2006 |                              | 5                      |

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 1-2002, 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)

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

Date Mark

|   |          |    |
|---|----------|----|
| 1 | 06/19/06 | A1 |
| 5 | 06/19/06 | A5 |

Date Mark

|   |          |    |
|---|----------|----|
| 2 | 06/19/06 | A2 |
|---|----------|----|

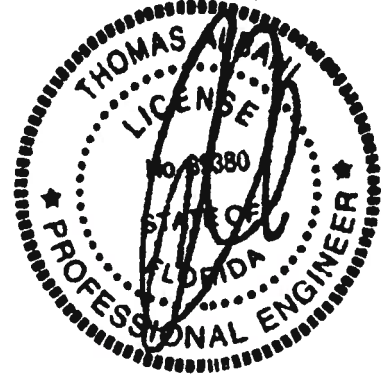
Date Mark

|   |          |    |
|---|----------|----|
| 3 | 06/19/06 | A3 |
|---|----------|----|

Date Mark

|   |          |    |
|---|----------|----|
| 4 | 06/19/06 | A4 |
|---|----------|----|

Truss Design Engineer: Thomas A. Albani  
License #: 39380  
Address: P.O. Box 280055, Tampa, FL 33682

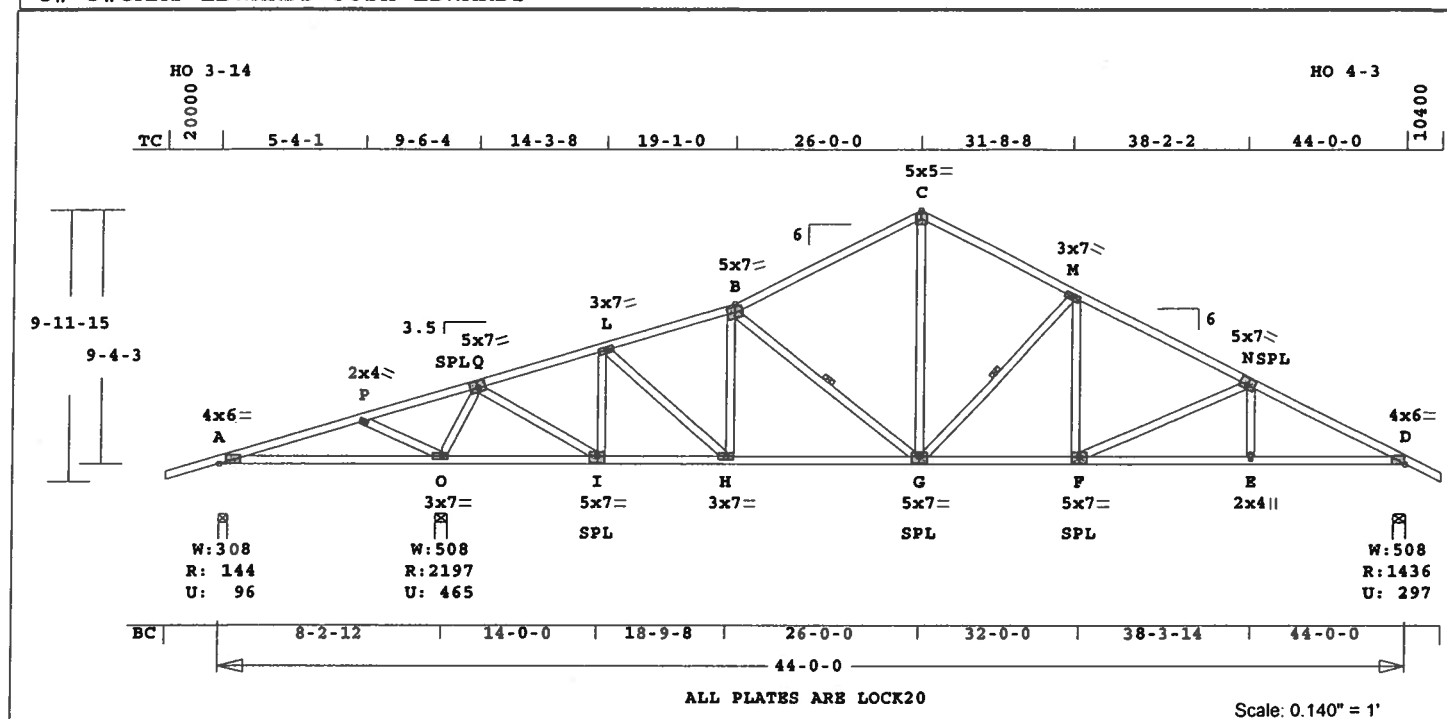


Date Sealed: 6/19/2006



| Job          | Mark | Quan | Type | Span   | Pl-H1 | Left OH | Right OH | Engineering |
|--------------|------|------|------|--------|-------|---------|----------|-------------|
| GRAY-EDWARDS | A1   | 10   | SP   | 440000 | 3.5   | 2- 0- 0 | 1- 4- 0  | T06061921   |

U# J#GRAY-EDWARDS JOSH EDWARDS



ALL PLATES ARE LOCK20

Scale: 0.140" = 1'

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

Tampa, FL 33682

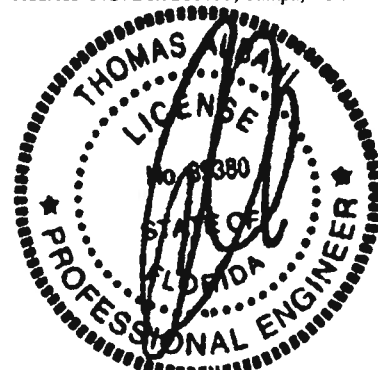
Online Plus -- Version 19.0.032  
RUN DATE: 16-JUN-06

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: 120 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 2471 Lbs  
Quality Control Factor 1.25

Truss Design Engineer: Thomas A. Albani  
License #: 39380  
Address: P.O. Box 280055, Tampa, FL 33682



CSI -Size- ---Lumber---  
TC 0.52 2x 4 SP-#2  
BC 0.48 2x 4 SP-#2  
WB 0.32 2x 4 SP-#2

Brace truss as follows:

O.C. From To  
TC Cont. 0- 0- 0 44- 0- 0  
BC Cont. 0- 0- 0 44- 0- 0  
WB 1 rows CLB on B -G  
WB 1 rows CLB on G -M  
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  | 145   | 96    | 3- 8  | 1- 8  |
|    |       |       | Hz =  | -187  |
| O  | 2198  | 466   | 5- 8  | 2- 7  |
| D  | 1437  | 297   | 5- 8  | 1-11  |
|    |       |       | Hz =  | 223   |

| Membr                   | CSI  | P Lbs  | Axl  | CSI-Bnd |
|-------------------------|------|--------|------|---------|
| -----Top Chords-----    |      |        |      |         |
| A -P                    | 0.44 | 764 T  | 0.13 | 0.31    |
| P -Q                    | 0.50 | 1201 T | 0.19 | 0.31    |
| Q -L                    | 0.19 | 1154 C | 0.01 | 0.18    |
| L -B                    | 0.31 | 1643 C | 0.01 | 0.30    |
| B -C                    | 0.52 | 1407 C | 0.04 | 0.48    |
| C -M                    | 0.35 | 1415 C | 0.01 | 0.34    |
| M -N                    | 0.36 | 1930 C | 0.06 | 0.30    |
| N -D                    | 0.32 | 2471 C | 0.04 | 0.28    |
| -----Bottom Chords----- |      |        |      |         |
| A -O                    | 0.34 | 715 C  | 0.00 | 0.34    |

|                |      |        |      |      |
|----------------|------|--------|------|------|
| O -I           | 0.34 | 378 C  | 0.00 | 0.34 |
| I -H           | 0.31 | 1107 T | 0.11 | 0.20 |
| H -G           | 0.40 | 1586 T | 0.26 | 0.14 |
| G -F           | 0.43 | 1728 T | 0.29 | 0.14 |
| F -E           | 0.48 | 2213 T | 0.37 | 0.11 |
| E -D           | 0.45 | 2213 T | 0.37 | 0.08 |
| -----Webs----- |      |        |      |      |
| P -O           | 0.08 | 491 C  |      |      |
| O -Q           | 0.28 | 1967 C |      |      |
| Q -I           | 0.31 | 1730 T |      |      |
| I -L           | 0.18 | 812 C  |      |      |
| L -H           | 0.11 | 628 T  |      |      |
| H -B           | 0.11 | 285 C  |      |      |
| B -G           | 0.10 | 408 C  | 1 Br |      |
| G -C           | 0.19 | 869 T  |      |      |
| C -M           | 0.16 | 672 C  | 1 Br |      |
| F -M           | 0.06 | 407 T  |      |      |
| F -N           | 0.32 | 530 C  |      |      |
| E -N           | 0.03 | 232 T  |      |      |

TL Defl -0.14" in A -O L/643  
LL Defl -0.07" in A -O L/999  
Shear // Grain in A -P 0.24

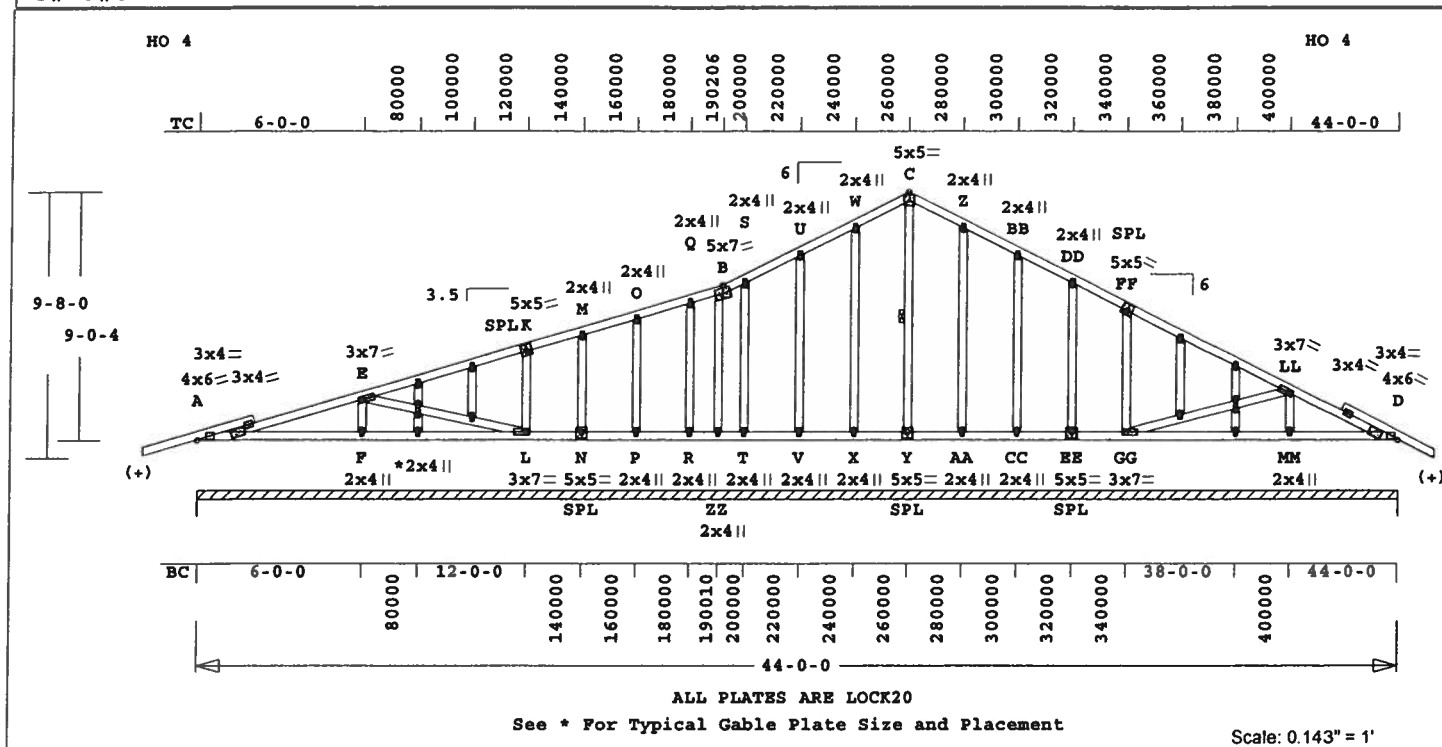
Plates for each ply each face.  
PLATING CONFORMS TO TPI.  
REPORT: NER 691  
ROBBINS ENGINEERING, INC.  
BASED ON SP LUMBER  
USING GROSS AREA TEST.

|                                |                       |
|--------------------------------|-----------------------|
| 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 0.91 |
| P LOCK                         | 2.0x 4.0 Ctr Ctr 0.50 |
| Q LOCK                         | 5.0x 7.0-0.1 0.5 0.83 |
| L LOCK                         | 3.0x 7.0 Ctr Ctr 0.46 |
| B LOCK                         | 5.0x 7.0 Ctr Ctr 1.00 |
| C LOCK                         | 5.0x 5.0 Ctr Ctr 0.75 |
| M LOCK                         | 3.0x 7.0 Ctr Ctr 0.47 |
| N LOCK                         | 5.0x 7.0 0.2 0.5 0.82 |
| D LOCK                         | 4.0x 6.0 Ctr 0.1 0.77 |
| O LOCK                         | 3.0x 7.0-0.8 Ctr 0.73 |
| I LOCK                         | 5.0x 7.0 Ctr-0.5 0.83 |
| H LOCK                         | 3.0x 7.0 Ctr Ctr 0.47 |
| G LOCK                         | 5.0x 7.0 Ctr-0.5 0.83 |
| F LOCK                         | 5.0x 7.0 Ctr-0.5 0.83 |
| E LOCK                         | 2.0x 4.0 Ctr Ctr 0.50 |

REVIEWED BY:  
Robbins Engineering, Inc.  
PO Box 280055

|              |      |      |      |        |       |         |          |             |
|--------------|------|------|------|--------|-------|---------|----------|-------------|
| Job          | Mark | Quan | Type | Span   | P1-H1 | Left OH | Right OH | Engineering |
| GRAY-EDWARDS | A2   | 2    | SP   | 440000 | 3.5   | 0       | 0        | T06061921   |

U# J#GRAY-EDWARDS JOSH EDWARDS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 365.6 LBS

Online Plus -- Version 19.0.032  
RUN DATE: 16-JUN-06

CSI -Size- ----Lumber-----  
TC 0.32 2x 4 SP-#2  
BC 0.19 2x 4 SP-#2  
WB 0.12 2x 4 SP-#2  
GW 0.09 2x 4 SP-#2

(+) 2x4 SP-#2  
Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 44- 0- 0  
BC Cont. 0- 0- 0 44- 0- 0  
WB 1 rows CLB on Y -C  
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  
Cont. Brg 0- 0- 0 to 44- 0- 0  
3520 725 Hz = 215

Membr CSI P Lbs Axl-CSt-Bnd  
-----Top Chords-----  
A -E 0.32 287 C 0.00 0.32  
E -K 0.32 84 C 0.00 0.32  
K -M 0.25 66 C 0.00 0.25  
M -O 0.04 60 C 0.00 0.04  
O -Q 0.04 54 C 0.00 0.04  
Q -B 0.02 50 C 0.00 0.02  
B -S 0.02 49 C 0.00 0.02  
S -U 0.03 64 T 0.00 0.03  
U -W 0.03 107 T 0.00 0.03  
W -C 0.03 146 T 0.00 0.03  
C -Z 0.03 146 T 0.00 0.03  
Z -BB 0.04 107 T 0.00 0.04  
BB-DD 0.04 62 T 0.00 0.04  
DD-FF 0.26 80 C 0.00 0.26  
FF-LL 0.28 91 C 0.00 0.28  
LL-D 0.28 82 C 0.00 0.28  
-----Bottom Chords-----  
A -F 0.19 7 T 0.00 0.19  
F -L 0.19 0 T 0.00 0.19  
L -N 0.14 0 T 0.00 0.14

N -P 0.02 0 T 0.00 0.02  
P -R 0.02 0 T 0.00 0.02  
R -ZZ 0.01 0 T 0.00 0.01  
ZZ-T 0.01 0 T 0.00 0.01  
T -V 0.02 0 T 0.00 0.02  
V -X 0.02 0 T 0.00 0.02  
X -Y 0.02 0 T 0.00 0.02  
Y -AA 0.02 0 T 0.00 0.02  
AA-CC 0.02 0 T 0.00 0.02  
CC-EE 0.02 0 T 0.00 0.02  
EE-GG 0.15 0 T 0.00 0.15  
GG-MM 0.16 0 T 0.00 0.16  
MM-D 0.16 5 T 0.00 0.16  
-----Webs-----  
E -L 0.12 255 C  
ZZ-B 0.01 52 C  
GG-LL 0.04 99 T  
-----Gable Webs-----  
F -E 0.02 245 C  
L -K 0.04 302 C  
N -M 0.00 38 C  
P -O 0.03 137 C  
R -Q 0.02 92 C  
T -S 0.03 94 C  
V -U 0.07 124 C  
X -W 0.09 122 C  
Y -C 0.01 75 C  
AA-Z 0.09 121 C  
CC-BB 0.07 133 C  
EE-DD 0.01 34 C  
GG-FF 0.09 312 C  
MM-LL 0.02 295 C

TL Defl -0.04" in GG-MM L/999  
LL Defl -0.02" in GG-MM L/999  
Shear // Grain in E -K 0.23

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 0.96  
E LOCK 3.0x 7.0 Ctr Ctr 0.42  
K LOCK 5.0x 5.0-0.1 0.5 0.83  
M LOCK 2.0x 4.0 Ctr Ctr 0.50  
O LOCK 2.0x 4.0 Ctr Ctr 0.50  
Q LOCK 2.0x 4.0 Ctr Ctr 0.50  
B LOCK 5.0x 7.0 Ctr Ctr 1.00  
S LOCK 2.0x 4.0 Ctr Ctr 0.50  
U LOCK 2.0x 4.0 Ctr Ctr 0.50  
W LOCK 2.0x 4.0 Ctr Ctr 0.50  
C LOCK 5.0x 5.0 Ctr Ctr 0.75  
Z LOCK 2.0x 4.0 Ctr Ctr 0.50  
BB LOCK 2.0x 4.0 Ctr Ctr 0.50  
DD LOCK 2.0x 4.0 Ctr Ctr 0.50

FF LOCK 5.0x 5.0 0.2 0.5 0.82  
LL LOCK 3.0x 7.0 Ctr Ctr 0.43  
D LOCK 4.0x 6.0 Ctr-0.3 0.78  
F LOCK 2.0x 4.0 Ctr Ctr 0.50  
L LOCK 3.0x 7.0 Ctr Ctr 0.61  
N LOCK 5.0x 5.0 Ctr-0.5 0.83  
P LOCK 2.0x 4.0 Ctr Ctr 0.50  
R LOCK 2.0x 4.0 Ctr Ctr 0.50  
ZZ LOCK 2.0x 4.0 Ctr Ctr 0.50  
T LOCK 2.0x 4.0 Ctr Ctr 0.50  
V LOCK 2.0x 4.0 Ctr Ctr 0.50  
X LOCK 2.0x 4.0 Ctr Ctr 0.50  
Y LOCK 5.0x 5.0 Ctr-0.5 0.83  
AA LOCK 2.0x 4.0 Ctr Ctr 0.50  
CC LOCK 2.0x 4.0 Ctr Ctr 0.50  
EE LOCK 5.0x 5.0 Ctr-0.5 0.83  
GG LOCK 3.0x 7.0 Ctr Ctr 0.58  
MM LOCK 2.0x 4.0 Ctr Ctr 0.50

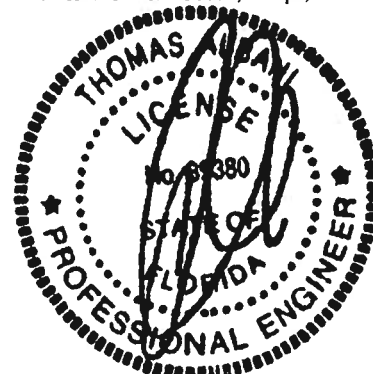
6 Gable studs to be attached  
with 2.0x4.0 plates each end.

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:

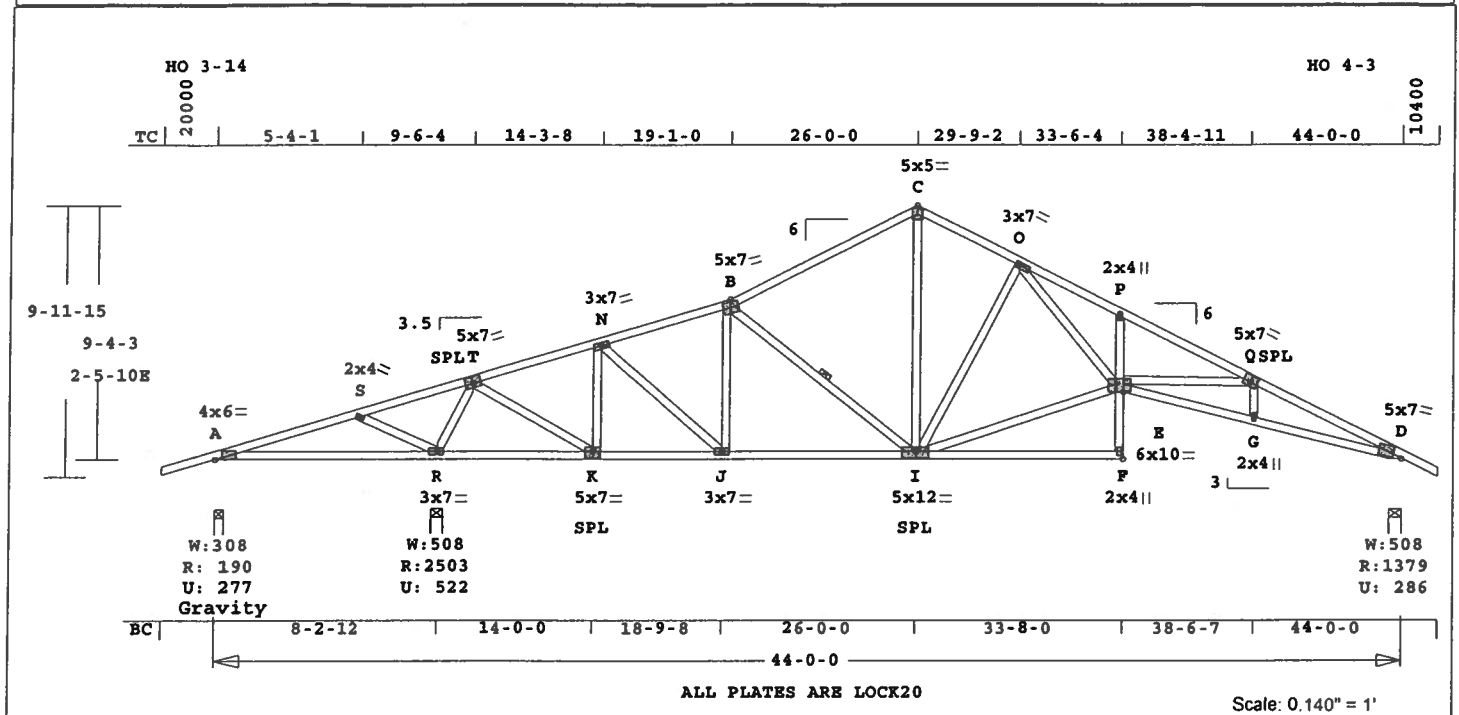
Truss Design Engineer: Thomas A. Albani  
License #: 39380  
Address: P.O. Box 280055, Tampa, FL 33682





| Job          | Mark | Quan | Type | Span   | Pl-H1 | Left OH | Right OH | Engineering |
|--------------|------|------|------|--------|-------|---------|----------|-------------|
| GRAY-EDWARDS | A3   | 2    | SP   | 440000 | 3.5   | 2- 0- 0 | 1- 4- 0  | T06061921   |

U# J#GRAY-EDWARDS JOSH EDWARDS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 324.5 LBS

Online Plus -- Version 19.0.032  
RUN DATE: 16-JUN-06

| CSI | -Size- | ---  | Lumber---- |
|-----|--------|------|------------|
| TC  | 0.69   | 2x 4 | SP-#2      |
| BC  | 0.98   | 2x 4 | SP-#2      |
| CW  | 0.20   | 2x 4 | SP-#2      |
| WB  | 0.95   | 2x 4 | SP-#2      |

Brace truss as follows:

| O.C.                          | From    | To       |
|-------------------------------|---------|----------|
| TC Cont.                      | 0- 0- 0 | 44- 0- 0 |
| BC Cont.                      | 0- 0- 0 | 44- 0- 0 |
| WB 1 rows CLB on B -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   | 190   | 278G  | 3- 8  | 1- 8  |
|     |       |       | Hz =  | -187  |
| R   | 2503  | 522   | 5- 8  | 2-12  |
| D   | 1380  | 287   | 5- 8  | 1-10  |
|     |       |       | Hz =  | 223   |

G = Gravity Uplift

| Membr                   | CSI  | P Lbs  | Ax1  | CSI-Bnd |
|-------------------------|------|--------|------|---------|
| -----Top Chords-----    |      |        |      |         |
| A -S                    | 0.63 | 1595 T | 0.27 | 0.36    |
| S -T                    | 0.69 | 2052 T | 0.33 | 0.36    |
| T -N                    | 0.18 | 732 C  | 0.00 | 0.18    |
| N -B                    | 0.29 | 1373 C | 0.01 | 0.28    |
| B -C                    | 0.50 | 1287 C | 0.03 | 0.47    |
| C -O                    | 0.27 | 1276 C | 0.01 | 0.26    |
| O -P                    | 0.26 | 3646 C | 0.09 | 0.17    |
| P -Q                    | 0.50 | 3667 C | 0.15 | 0.35    |
| Q -D                    | 0.52 | 4134 C | 0.12 | 0.40    |
| -----Bottom Chords----- |      |        |      |         |
| A -R                    | 0.36 | 1509 C | 0.00 | 0.36    |
| R -K                    | 0.36 | 1073 C | 0.00 | 0.36    |

|      |      |        |      |      |
|------|------|--------|------|------|
| K -J | 0.23 | 703 T  | 0.07 | 0.16 |
| J -I | 0.51 | 1329 T | 0.14 | 0.37 |
| I -F | 0.37 | 27 T   | 0.00 | 0.37 |
| E -G | 0.86 | 3793 T | 0.63 | 0.23 |
| G -D | 0.98 | 3769 T | 0.63 | 0.35 |

| -----Chord-Webs----- |      |       |      |      |
|----------------------|------|-------|------|------|
| F -E                 | 0.15 | 118 T | 0.01 | 0.14 |
| E -P                 | 0.20 | 285 C | 0.00 | 0.20 |

| -----Webs----- |      |        |  |  |
|----------------|------|--------|--|--|
| S -R           | 0.09 | 518 C  |  |  |
| R -T           | 0.32 | 2279 C |  |  |
| T -K           | 0.38 | 2068 T |  |  |
| K -N           | 0.22 | 985 C  |  |  |
| N -J           | 0.15 | 819 T  |  |  |
| J -B           | 0.16 | 422 C  |  |  |
| B -I           | 0.05 | 220 C  |  |  |
| I -C           | 0.18 | 791 T  |  |  |
| I -O           | 0.95 | 1173 C |  |  |
| I -E           | 0.32 | 1759 T |  |  |
| O -E           | 0.45 | 2471 T |  |  |
| E -Q           | 0.12 | 384 C  |  |  |
| G -Q           | 0.01 | 127 T  |  |  |

|          |        |         |       |
|----------|--------|---------|-------|
| TL Defl  | -0.14" | in A -R | L/647 |
| LL Defl  | -0.28" | in E -G | L/999 |
| Hz Disp  | LL     | DL      | TL    |
| Jt D     | 0.12"  | 0.13"   | 0.25" |
| Shear // | Grain  | in A -S | 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 | 0.91 |
| S LOCK  | 2.0x 4.0 | Ctr | Ctr | 0.50 |
| T LOCK  | 5.0x 7.0 | 0.1 | 0.5 | 0.83 |
| N LOCK  | 3.0x 7.0 | Ctr | Ctr | 0.46 |
| B LOCK  | 5.0x 7.0 | Ctr | Ctr | 1.00 |
| C LOCK  | 5.0x 5.0 | Ctr | Ctr | 0.75 |
| O LOCK  | 3.0x 7.0 | 1.5 | 0.8 | 0.74 |
| P LOCK  | 2.0x 4.0 | Ctr | Ctr | 0.24 |
| Q LOCK  | 5.0x 7.0 | 0.2 | 0.5 | 0.82 |
| D LOCK  | 5.0x 7.0 | 2.7 | 1.4 | 0.90 |
| R LOCK  | 3.0x 7.0 | 0.8 | Ctr | 0.84 |
| K LOCK  | 5.0x 7.0 | Ctr | 0.5 | 0.83 |
| J LOCK  | 3.0x 7.0 | Ctr | Ctr | 0.47 |
| I LOCK  | 5.0x12.0 | Ctr | 0.5 | 0.85 |
| F LOCK  | 2.0x 4.0 | Ctr | Ctr | 0.62 |
| E LOCK  | 6.0x10.0 | Ctr | 1.2 | 0.76 |
| G LOCK  | 2.0x 4.0 | Ctr | Ctr | 0.50 |

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: 120 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

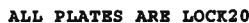
Max comp. force 4134 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Thomas A. Albani  
License #: 39380  
Address: P.O. Box 280055, Tampa, FL 33682



U# J#GRAY-EDWARDS JOSH EDWARDS



Scale: 0.140" = 1'

**Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 325.4 LBS**

Online Plus -- Version 19.0.032  
RUN DATE: 16-JUN-06

|    | CSI  | -Size- | ----Lumber---- |
|----|------|--------|----------------|
| TC | 0.74 | 2x 4   | SP-#2          |
| BC | 0.91 | 2x 4   | SP-#2          |
| CW | 0.19 | 2x 4   | SP-#2          |
| WB | 0.48 | 2x 4   | SP-#2          |

Brace truss as follows:

| O.C.  | From    | To       |
|---|---------|----------|
| TC Cont.                                      | 0- 0- 0 | 44- 0- 0 |
| BC Cont.                                      | 0- 0- 0 | 44- 0- 0 |
| WB 1 rows CLB on B -I                         |         |          |
| WB 1 rows CLB on I -C                         |         |          |
| Attach CLB with (2)-10d nails<br>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<br>Lbs | Uplft<br>Lbs | Size<br>In-Sx | Req'd<br>In-Sx |
|----|--------------|--------------|---------------|----------------|
| A  | 199          | 335G         | 3- 8          | 1- 8           |
|    |              |              | Hz =          | -188           |
| R  | 2573         | 533          | 5- 8          | 2-13           |
| D  | 1367         | 285          | 5- 8          | 1-10           |
|    |              |              | Hz =          | 223            |

**G = Gravity Uplift**

| Membr                   | CSI  | P Lbs  | Axl-CSI-Bnd |
|-------------------------|------|--------|-------------|
| -----Top Chords-----    |      |        |             |
| A -S                    | 0.67 | 1785 T | 0.30 0.37   |
| S -T                    | 0.74 | 2247 T | 0.37 0.37   |
| T -N                    | 0.18 | 634 C  | 0.00 0.18   |
| N -B                    | 0.32 | 1317 C | 0.01 0.31   |
| B -C                    | 0.57 | 1249 C | 0.03 0.54   |
| C -P                    | 0.58 | 3036 C | 0.06 0.52   |
| P -V                    | 0.26 | 3115 C | 0.06 0.20   |
| V -W                    | 0.40 | 3901 C | 0.14 0.26   |
| W -D                    | 0.56 | 4100 C | 0.11 0.45   |
| -----Bottom Chords----- |      |        |             |
| A -R                    | 0.37 | 1691 C | 0.00 0.37   |

|                      |    |      |      |   |      |      |
|----------------------|----|------|------|---|------|------|
| R                    | -K | 0.37 | 1231 | C | 0.00 | 0.37 |
| J                    | -J | 0.26 | 608  | T | 0.06 | 0.20 |
| K                    | -I | 0.37 | 1277 | T | 0.21 | 0.16 |
| I                    | -F | 0.24 | 11   | T | 0.00 | 0.24 |
| E                    | -U | 0.76 | 3400 | T | 0.57 | 0.19 |
| U                    | -D | 0.91 | 3740 | T | 0.62 | 0.29 |
| -----Chord-Webs----- |    |      |      |   |      |      |
| F                    | -E | 0.08 | 51   | T | 0.00 | 0.08 |
| E                    | -P | 0.19 | 118  | T | 0.00 | 0.19 |
| -----Webs-----       |    |      |      |   |      |      |
| S                    | -R | 0.09 | 524  | C |      |      |
| R                    | -T | 0.33 | 2350 | C |      |      |
| T                    | -K | 0.39 | 2143 | T |      |      |
| K                    | -N | 0.23 | 1027 | C |      |      |
| N                    | -J | 0.16 | 875  | T |      |      |
| J                    | -B | 0.17 | 449  | C |      |      |
| B                    | -I | 0.05 | 204  | C |      | 1 Br |
| I                    | -C | 0.15 | 578  | C |      | 1 Br |
| I                    | -E | 0.25 | 1393 | T |      |      |
| C                    | -E | 0.48 | 2651 | T |      |      |
| E                    | -V | 0.13 | 564  | C |      |      |
| V                    | -U | 0.06 | 392  | T |      |      |
| U                    | -W | 0.02 | 160  | C |      |      |

|          |        |         |       |
|----------|--------|---------|-------|
| TL Defl  | -0.66" | in E -U | L/639 |
| LL Defl  | -0.32" | in E -U | L/999 |
| Hz Disp  | LL     | DL      | TL    |
| Jt D     | 0.16"  | 0.16"   | 0.32" |
| Shear // | Grain  | in A -S | 0.26  |

Plates for each ply each face.  
PLATING CONFORMS TO TPI.  
REPORT: NER 691  
ROBBINS ENGINEERING, INC.

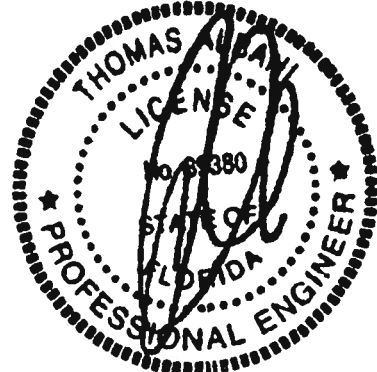
| BASED ON SP LUMBER     |      |      |      |        |      |            |
|------------------------|------|------|------|--------|------|------------|
| USING GROSS AREA TEST. |      |      |      |        |      |            |
| Plate                  |      | LOCK |      | 20 Ga, |      | Gross Area |
| Plate                  |      | RHS  |      | 20 Ga, |      | Gross Area |
| Jt                     | Type | Plt  | Size | X      | Y    | JSI        |
| A                      | LOCK | 4.0x | 6.0  | Ctr    | 0.1  | 0.91       |
| S                      | LOCK | 2.0x | 4.0  | Ctr    | Ctr  | 0.50       |
| T                      | LOCK | 5.0x | 7.0  | -0.1   | 0.5  | 0.83       |
| N                      | LOCK | 3.0x | 7.0  | Ctr    | Ctr  | 0.46       |
| B                      | LOCK | 5.0x | 7.0  | Ctr    | Ctr  | 1.00       |
| C                      | LOCK | 7.0x | 6.0  | 0.5    | -1.3 | 0.90       |
| P                      | LOCK | 2.0x | 4.0  | Ctr    | Ctr  | 0.24       |
| V                      | LOCK | 3.0x | 7.0  | Ctr    | Ctr  | 0.56       |
| W                      | LOCK | 5.0x | 5.0  | 0.2    | 0.5  | 0.82       |
| D                      | LOCK | 5.0x | 7.0  | -2.7   | 1.4  | 0.90       |
| R                      | LOCK | 3.0x | 7.0  | -0.8   | Ctr  | 0.87       |
| K                      | LOCK | 5.0x | 7.0  | Ctr    | -0.5 | 0.83       |
| J                      | LOCK | 3.0x | 7.0  | Ctr    | Ctr  | 0.47       |
| I                      | LOCK | 5.0x | 7.0  | Ctr    | -0.5 | 0.83       |
| F                      | LOCK | 2.0x | 4.0  | Ctr    | Ctr  | 0.62       |
| E                      | LOCK | 6.0x | 10.0 | Ctr    | 1.2  | 0.75       |
| U                      | LOCK | 3.0x | 7.0  | Ctr    | Ctr  | 0.48       |

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

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

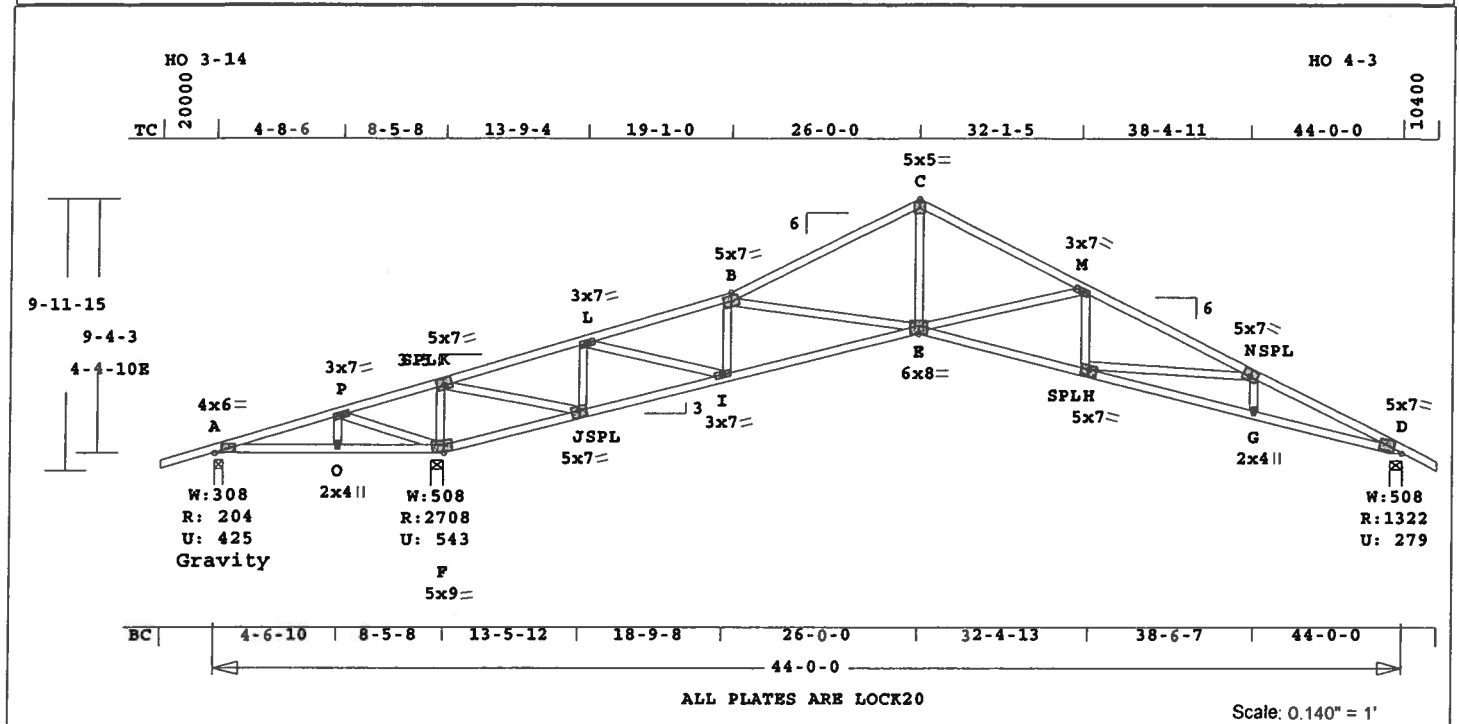
NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FBC2004  
OH Loading  
Soffit psf 2.0  
Design checked for 10 psf non-  
concurrent LL on BC.  
Prevent truss rotation at all  
bearing locations.  
Wind Loads - ANSI / ASCE 7-02  
Truss is designed as a Main  
Wind-Force Resistance System.  
Wind Speed: 120 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 4100 Lbs  
Quality Control Factor 1.25

Truss Design Engineer: Thomas A. Albani  
License #: 39380  
Address: P.O. Box 280055, Tampa, FL 33682



| Job          | Mark | Quan | Type | Span   | P1-H1 | Left OH | Right OH | Engineering |
|--------------|------|------|------|--------|-------|---------|----------|-------------|
| GRAY-EDWARDS | A5   | 11   | SP   | 440000 | 3.5   | 2- 0- 0 | 1- 4- 0  | T06061921   |

U# J#GRAY-EDWARDS JOSH EDWARDS



ALL PLATES ARE LOCK20

Scale: 0.140" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 277.2 LBS

Online Plus -- Version 19.0.032  
RUN DATE: 16-JUN-06

CSI -Size- ----Lumber-----  
TC 0.74 2x 4 SP-#2  
BC 0.94 2x 4 SP-#2  
WB 0.53 2x 4 SP-#2

Brace truss as follows:

| O.C.     | From    | To       |
|----------|---------|----------|
| TC Cont. | 0- 0- 0 | 44- 0- 0 |
| BC Cont. | 0- 0- 0 | 44- 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 | Uplift | Size  | Req'd |
|-----|-------|--------|-------|-------|
| Lbs | Lbs   | In-Sx  | In-Sx |       |
| A   | 204   | 425G   | 3- 8  | 1- 8  |
| F   | 2708  | 544    | 5- 8  | 3- 0  |
| D   | 1323  | 279    | 5- 8  | 1- 9  |
|     |       |        | Hz =  | 223   |

G = Gravity Uplift

| Membr                   | CSI  | P    | Lbs | Ax1  | CSI-Bnd |
|-------------------------|------|------|-----|------|---------|
| -----Top Chords-----    |      |      |     |      |         |
| A -P                    | 0.58 | 1798 | T   | 0.30 | 0.28    |
| P -K                    | 0.74 | 2821 | T   | 0.46 | 0.28    |
| K -L                    | 0.25 | 219  | C   | 0.00 | 0.25    |
| L -B                    | 0.28 | 2116 | C   | 0.03 | 0.25    |
| B -C                    | 0.61 | 2232 | C   | 0.10 | 0.51    |
| C -M                    | 0.41 | 2237 | C   | 0.03 | 0.38    |
| M -N                    | 0.66 | 3287 | C   | 0.18 | 0.48    |
| N -D                    | 0.48 | 3954 | C   | 0.10 | 0.38    |
| -----Bottom Chords----- |      |      |     |      |         |
| A -O                    | 0.43 | 1712 | C   | 0.01 | 0.42    |
| O -F                    | 0.69 | 1712 | C   | 0.01 | 0.68    |
| F -J                    | 0.77 | 2711 | C   | 0.08 | 0.69    |
| J -I                    | 0.28 | 225  | T   | 0.02 | 0.26    |
| I -E                    | 0.52 | 2120 | T   | 0.35 | 0.17    |

| E -H           | 0.69 | 3044 | T | 0.51 | 0.18 |
|----------------|------|------|---|------|------|
| H -G           | 0.83 | 3632 | T | 0.60 | 0.23 |
| G -D           | 0.94 | 3610 | T | 0.60 | 0.34 |
| -----Webs----- |      |      |   |      |      |
| O -P           | 0.06 | 338  | T |      |      |
| P -F           | 0.21 | 1051 | C |      |      |
| F -K           | 0.19 | 1722 | C |      |      |
| K -J           | 0.53 | 2889 | T |      |      |
| J -L           | 0.16 | 1325 | C |      |      |
| L -I           | 0.34 | 1880 | T |      |      |
| I -B           | 0.10 | 766  | C |      |      |
| B -E           | 0.06 | 198  | T |      |      |
| E -C           | 0.29 | 1597 | T |      |      |
| E -M           | 0.50 | 976  | C |      |      |
| H -M           | 0.05 | 373  | T |      |      |
| H -N           | 0.28 | 565  | C |      |      |
| G -N           | 0.02 | 158  | T |      |      |

|          |        |         |       |
|----------|--------|---------|-------|
| TL Defl  | -0.66" | in H -G | L/641 |
| LL Defl  | -0.32" | in H -G | L/999 |
| Hx Disp  | LL     | DL      | TL    |
| Jt D     | 0.18"  | 0.18"   | 0.37" |
| Shear // | Grain  | in O -F | 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                |
| A       | LOCK     | 4.0x 6.0 | Ctr Ctr 0.1 0.91 |
| P       | LOCK     | 3.0x 7.0 | Ctr Ctr 0.42     |
| K       | LOCK     | 5.0x 7.0 | 0.1 0.5 0.83     |
| L       | LOCK     | 3.0x 7.0 | Ctr Ctr 0.60     |
| B       | LOCK     | 5.0x 7.0 | Ctr Ctr 1.00     |
| C       | LOCK     | 5.0x 5.0 | Ctr Ctr 0.75     |
| M       | LOCK     | 3.0x 7.0 | Ctr Ctr 0.43     |
| N       | LOCK     | 5.0x 7.0 | 0.2 0.5 0.82     |
| D       | LOCK     | 5.0x 7.0 | 2.7 1.4 0.90     |
| O       | LOCK     | 2.0x 4.0 | Ctr Ctr 0.50     |
| F       | LOCK     | 5.0x 9.0 | 0.9 3.0 0.84     |
| J       | LOCK     | 5.0x 7.0 | 0.1-0.5 0.83     |
| I       | LOCK     | 3.0x 7.0 | Ctr Ctr 0.60     |
| E       | LOCK     | 6.0x 8.0 | Ctr-0.6 0.72     |
| H       | LOCK     | 5.0x 7.0 | 0.1-0.5 0.83     |
| G       | LOCK     | 2.0x 4.0 | Ctr Ctr 0.50     |

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: 120 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 3954 Lbs

Quality Control Factor 1.25

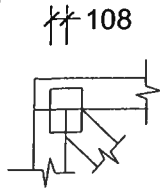
Truss Design Engineer: Thomas A. Albani  
License #: 39380  
Address: P.O. Box 280055, Tampa, FL 33682





# ROBBINS ENG. GENERAL NOTES & SYMBOLS

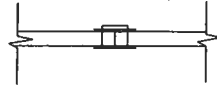
## PLATE LOCATION



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)

## FLOOR TRUSS SPLICE

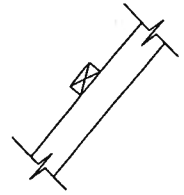
( 3X2, 4X2, 6X2 )



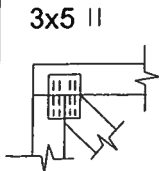
(W) = Wide Face Plate  
(N) = Narrow Face Plate

## LATERAL BRACING

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



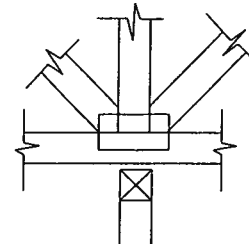
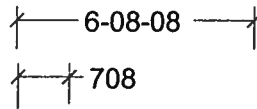
## PLATE SIZE AND ORIENTATION



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

## DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08 ). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



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

## BEARING

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

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted.

The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA ), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

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



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

[www.robbinseng.com](http://www.robbinseng.com)

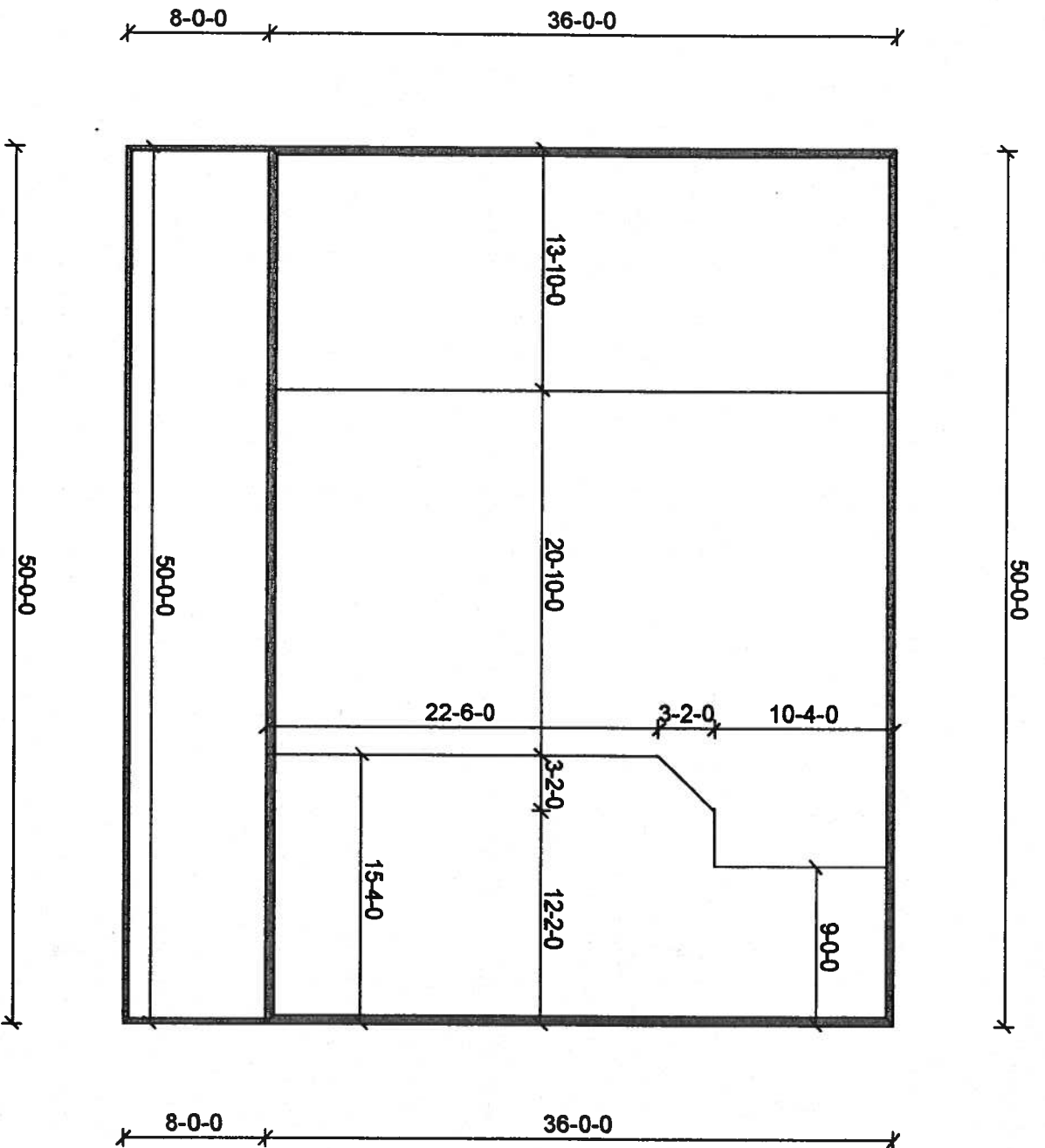
**Mayo Truss Co. Inc.**

GCCl

**JOSH EDWARDS**

**Account FROMAC**

## ABOUT FOMAC



Mayo Truss Co. Inc.  
36 NE CLYDE AVE.  
MAYO, FL 32066  
904/434-1188  
904/434-6100

GCCI

JOSH EDWARDS

Revised by  
TC Live: 2000 psf  
TC Dead: 1000 psf  
EC Live: 000 psf  
EC Dead: 1000 psf  
TC Stress Inc: 2500  
PC Stress Inc: 2500

Account: ROMAC  
Job: GRAVEDWARDS  
Designer: MWLFRAY  
Checker: MWLFRAY  
Date: 03-10-08

