

DATE 01/24/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

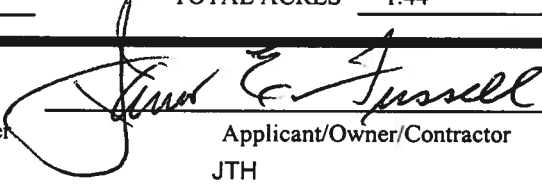
PERMIT

000024074

APPLICANT JAMES FUSSELL PHONE 352 383-0696
ADDRESS 33704 WESLEY ROAD EUSTIS FL 32736
OWNER JAMES & BERTHA FUSSELL PHONE 352 328-4658
ADDRESS 2167 CSW CR 138 FT. WHITE FL 32038
CONTRACTOR JAMES FUSSELL PHONE 352 328-4658
LOCATION OF PROPERTY 47S, TL ON 27, TR ON 138, 2 MILES ON RIGHT, NUMBER ON BOX

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 57200.00
HEATED FLOOR AREA 1144.00 TOTAL AREA 1408.00 HEIGHT 25.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 5'12 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 26-7S-16-04323-033 SUBDIVISION FAIRVIEW ESTATES
LOT 33 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 1.44

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor 
EXISTING 05-1024-E BLK JTH
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

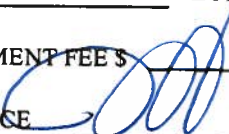
COMMENTS: NOC ON FILE. 1 FOOT ABOE ROAD. SECTION 2.3.1

Check # or Cash 4037

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 _____
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 _____
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 \$ 290.00 CERTIFICATION FEE \$ 7.04 SURCHARGE FEE \$ 7.04
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ 0.00 FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 379.08
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 INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0601-04 Date Received 11-23-05 By JH Permit # 24074
Application Approved by - Zoning Official BLK Date 28.11.05 Plans Examiner OK JH Date 1-20-06
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments SITE PLAN SHEET 1 OF PLANS Section 2.3.1
- NOC NEED TO BE RECORDED - FAX 386--418-4188

Applicants Name James + Bertha Fussell Phone Home 352-383-0696
Address 33704 Wesley Rd Eustis, FL 32736 Cell 352-978-0610
Owners Name Same Phone 217-7045
911 Address 2167 SW County Road 138, Ft. White, FL 32038
Contractors Name Owner/Builder Phone _____
Address _____

Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Listed on Plans (James P. Senatore AR 0006808
Mortgage Lenders Name & Address 1317 Sumter St. Leesburg FL

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

Property ID Number 26-7S-16-04323-033 Estimated Cost of Construction 48,000

Subdivision Name Fairview Estates Lot 33 Block _____ Unit _____ Phase _____

Driving Directions From Lake City - South on Hwy 47 to Ft White then South on Hwy 27 to SW County Rd 138 then West 2 miles Property on Right

Type of Construction Frame (Wood) Number of Existing Dwellings on Property 0

Total Acreage 1.44 Lot Size 200 x 312 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 97' Side 61' Side 95' Rear 183'

Total Building Height 1 Story Number of Stories 1 Heated Floor Area 1144 Roof Pitch 5/12
Porch 264 8' TOTAL 1,408

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.

James E. Fussell
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLEMAN LAKE

Sworn to (or affirmed) and subscribed before me Expires October 06, 2007

this 21 day of November 2005.

Personally known X or Produced Identification _____

Contractor Signature
Contractors License Number _____
Competency Card Number _____
NOTARY STAMP/SEAL

Mary A. Bowman
Notary Signature

STIN Address 12001 Lake...

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.

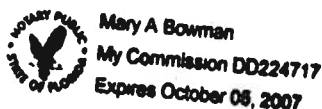
Tax Parcel ID Number 26-7S-16-04323-033

1. Description of property: (legal description of the property and street address or 911 address)
Lot 33 Fairview Estates, a subdivision according to plat
thereof recorded in Plat Book 4, page 85, Public Records of
Columbia County, FL
2. General description of improvement: New Construction of Single Family
House
3. Owner Name & Address James + Bertha Fussell 33704 Wesley Rd
Eustis, FL 32736 Interest In Property OWNERS
4. Name & Address of Fee Simple Owner (If other than owner): —
5. Contractor Name OWNER Phone Number 217-7045
252-978-0610 (Cell)
Address —
6. Surety Holders Name — Phone Number —
Address —
Amount of Bond — Inst: 2006001735 Date: 01/24/2006 Time: 16:54
S. J. DC, P. DeWitt Cason, Columbia County B: 1071 P: 2571
7. Lender Name —
Address —
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 a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee —
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(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.

James E. Fussell
Signature of Owner



Sworn to (or affirmed) and subscribed before
day of Nov. 21, 2006

NOTARY STAMP/SEAL

Mary A. Bowman
Signature of Notary



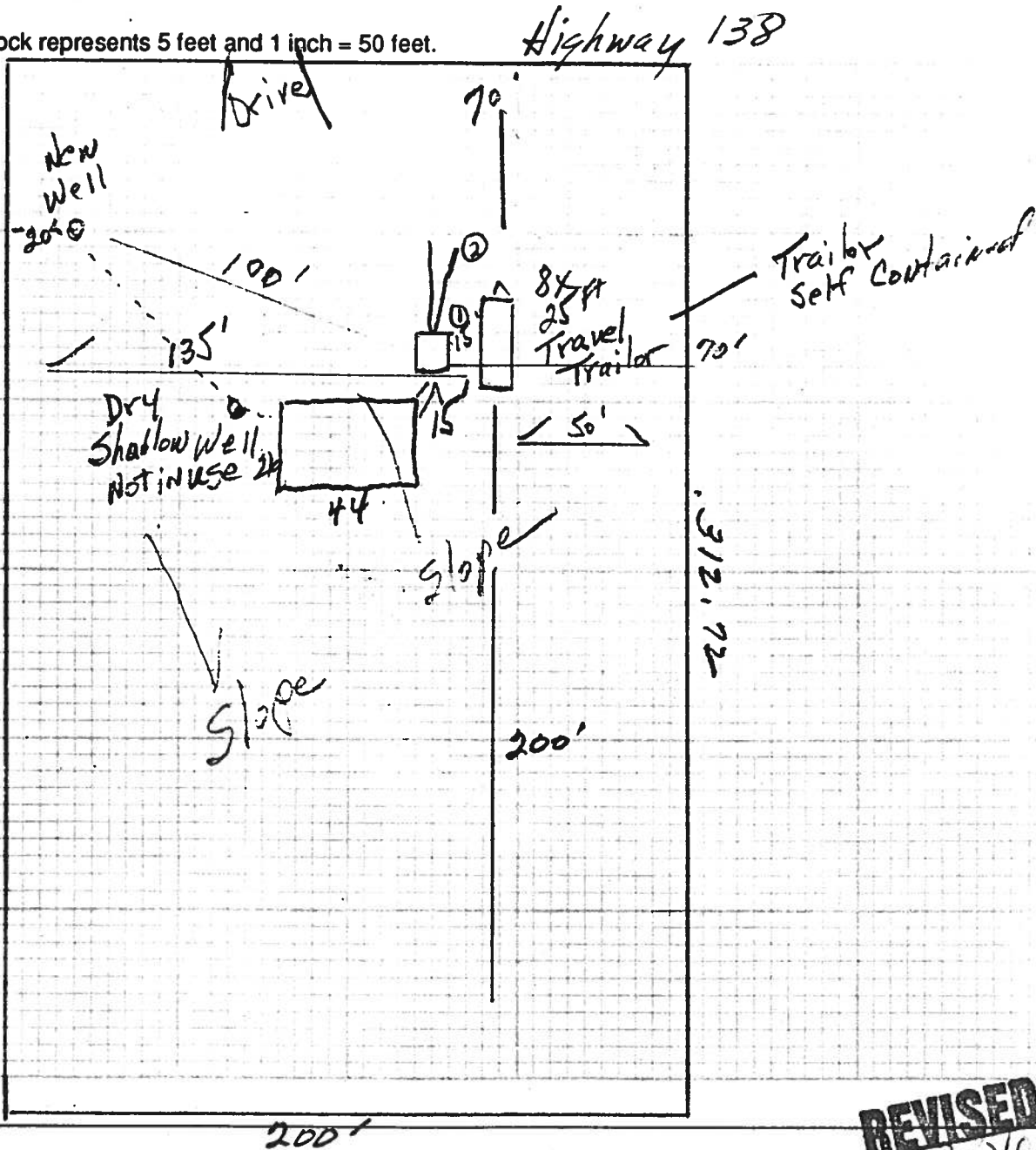
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-1024E

PART II - SITE PLAN

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



Notes:

200'

No RV permit - site plan for house
(using white bldg home)

REVISED
1-3-04

RECEIVED
R1-3-06

Site Plan submitted by: James E. Fussell

Signature

owner

Title

Plan Approved ☒

Not Approved ☐

Date 1/10/06

By [Signature]

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **James & Bertha Fussell**
Address: **2167 SW CR 138**
City, State: **Ft. White, FL 32038-**
Owner: **James & Bertha Fussell**
Climate Zone: **Central**

Builder: **Owner**
Permitting Office: **Columbia**
Permit Number: **24074**
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 2 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1144 ft² ☐
7. Glass type¹ 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) 143.2 ft² ☐
 - b. SHGC: 7b. (SC=0.66) 103.0 ft² ☐

(or Clear or Tint DEFAULT)
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 140.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 955.8 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1144.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 60.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 24.0 kBtu/hr ☐
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 24.0 kBtu/hr ☐
HSPF: 7.40 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 40.0 gallons ☐
EF: 0.92 ☐
 - b. N/A ☐
 - c. Conservation credits ☐
(HR-Heat recovery, Solar
DHP-Dedicated heat pump)
15. HVAC credits CF, ☐

(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.13

Total as-built points: 12900

Total base points: 16241

PASS

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

PREPARED BY: Rapture Air, Inc.

DATE: 11/30/05

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

OWNER/AGENT: Nicholas J. Paveletto

DATE: 11/30/05

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

BUILDING OFFICIAL: _____

DATE: _____



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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.9

The higher the score, the more efficient the home.

James & Bertha Fussell, 2167 SW CR 138, Ft. White, FL 32038-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	2	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1144 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 24.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 143.2 ft ²	___		HSPF: 7.40
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (SC=0.66) 103.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 140.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 40.0 gallons
c. N/A	___	___		EF: 0.92
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 955.8 ft ²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	
c. N/A	___	___	DHP-Dedicated heat pump)	
d. N/A	___	___	15. HVAC credits	CF, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		___	HF-Whole house fan,	
a. Under Attic	R=30.0, 1144.0 ft ²	___	PT-Programmable Thermostat,	
b. N/A	___	___	MZ-C-Multizone cooling,	
c. N/A	___	___	MZ-H-Multizone heating)	
11. Ducts		___		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 60.0 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™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

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

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 2167 SW CR 138, Ft. White, FL, 32038-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Residential Whole Building Performance Method A - Details

PERMIT #:

CODE COMPLIANCE STATUS

BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
9206		2115		4920	16241	5184		2796		4920	12900

PASS



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 2167 SW CR 138, Ft. White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points: 3371.2				Winter As-Built Points: 5269.1							
Total Winter Points	X Multiplier	= Heating Points		Total Component (System - Points)	X Ratio (DM x DSM x AHU)	Cap X Multiplier	Duct X Multiplier	System X Multiplier	X Credit Multiplier	= Heating Points	
3371.2	0.6274	2115.1		(sys 1: Electric Heat Pump 24000 btuh ,EFF(7.4) Ducts:Unc(S),Unc(R),Int(AH),R6.0 5269.1 1.000 (1.078 x 1.160 x 0.92) 0.461 1.000 2795.8 5269.1 1.00 1.150 0.461 1.000 2795.8							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 2167 SW CR 138, Ft. White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC Overhang Ormt Len Hgt Area X WPM X WOF = Points							
.18	1144.0	5.86	1206.7	Single, SC=0.66	E	2.0	5.3	8.0	13.93	1.04	115.7
				Single, SC=0.66	S	8.0	6.3	50.0	12.21	2.02	1234.0
				Single, SC=0.66	E	2.0	6.3	15.0	13.93	1.03	214.8
				Single, SC=0.33	N	2.0	8.0	40.2	16.40	1.00	657.0
				Single, SC=0.66	N	2.0	6.3	15.0	15.79	1.00	235.9
				Single, SC=0.66	W	2.0	6.3	15.0	14.53	1.02	222.2
				As-Built Total: 143.2 2679.7							
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	955.8	1.80		1720.4
Exterior	955.8	2.00	1911.6								
Base Total: 955.8 1911.6				As-Built Total: 955.8 1720.4							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	0.0	0.00	0.0	Exterior Insulated				21.0	5.10		107.1
Exterior	21.0	5.10	107.1								
Base Total: 21.0 107.1				As-Built Total: 21.0 107.1							
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	1144.0	0.64	732.2	Under Attic			30.0	1144.0	0.64 X 1.00		732.2
Base Total: 1144.0 732.2				As-Built Total: 1144.0 732.2							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	140.0(p)	-1.9	-266.0	Slab-On-Grade Edge Insulation			0.0	140.0(p)	2.50		350.0
Raised	0.0	0.00	0.0								
Base Total: -266.0				As-Built Total: 140.0 350.0							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1144.0 -0.28 -320.3				1144.0 -0.28 -320.3							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 2167 SW CR 138, Ft. White, FL, 32038-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 21580.8				Summer As-Built Points: 18491.7						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 24000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
21580.8	0.4266		9206.4	18492	1.00	(1.09 x 1.150 x 0.90)	0.262	0.950		5184.2
				18491.7	1.00	1.125	0.262	0.950		5184.2

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 2167 SW CR 138, Ft. White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1144.0	25.78	5308.6	Single, SC=0.66	E	2.0	5.3	8.0	39.01	0.82	256.0
				Single, SC=0.66	S	8.0	6.3	50.0	28.68	0.53	765.6
				Single, SC=0.66	E	2.0	6.3	15.0	39.01	0.86	506.2
				Single, SC=0.33	N	2.0	8.0	40.2	5.70	0.94	215.4
				Single, SC=0.66	N	2.0	6.3	15.0	16.84	0.91	229.6
				Single, SC=0.66	W	2.0	6.3	15.0	34.87	0.86	451.9
				As-Built Total:			143.2			2424.7	
WALL TYPES		Area X BSPM = Points		Type	R-Value			Area X SPM		= Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			955.8	1.70	1624.9	
Exterior	955.8	1.90	1816.0								
Base Total:		955.8	1816.0	As-Built Total:				955.8	1624.9		
DOOR TYPES		Area X BSPM = Points		Type				Area X SPM		= Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				21.0	4.80	100.8	
Exterior	21.0	4.80	100.8								
Base Total:		21.0	100.8	As-Built Total:				21.0	100.8		
CEILING TYPES		Area X BSPM = Points		Type	R-Value			Area X SPM X SCM		= Points	
Under Attic	1144.0	2.13	2436.7	Under Attic	30.0			1144.0	2.13 X 1.00	2436.7	
Base Total:		1144.0	2436.7	As-Built Total:				1144.0	2436.7		
FLOOR TYPES		Area X BSPM = Points		Type	R-Value			Area X SPM		= Points	
Slab	140.0(p)	-31.8	-4452.0	Slab-On-Grade Edge Insulation	0.0			140.0(p)	-31.90	-4466.0	
Raised	0.0	0.00	0.0								
Base Total:		-4452.0		As-Built Total:				140.0	-4466.0		
INFILTRATION		Area X BSPM = Points					Area X SPM		= Points		
		1144.0	14.31					1144.0	14.31	16370.6	

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

601-04
~~0511-85~~

Reference to: Build permit application Number:

James & Bertha Fussell Owner/builder Lot 33 Fairview Estates

On the date of November 23, 2005 application 0511-85 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 0511-85 when making reference to this application.

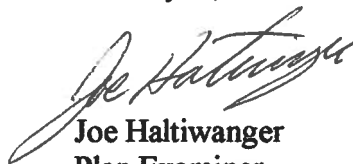
- ✓ 1. Please provide a copy of the release, of the waste water disposal system from the Columbia County Environmental Department. Phone 386-758-1032 for application information. * MUST MODIFY * REC'D 11.28.2005
- ✓ 2. Please submit two truss packages from Robbins Engineering, Inc including: Truss layout and truss details signed and sealed by Fl. Pro. Eng. and Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ✓ 3. Please comply with the FBC-2004 section 13-101.2 Residential buildings: Subchapter 13-6, Residential buildings compliance methods. Single-family residential buildings and Multiple-family buildings of three stories or less shall comply with this chapter of the code. This subchapter contains three compliance methods: Method A: Whole Building Performance Method, Method B: Component Prescriptive Method, Method C: Limited

Applications Prescriptive Method. This form 600-C Florida Energy Code for Building Construction is attached to this document.

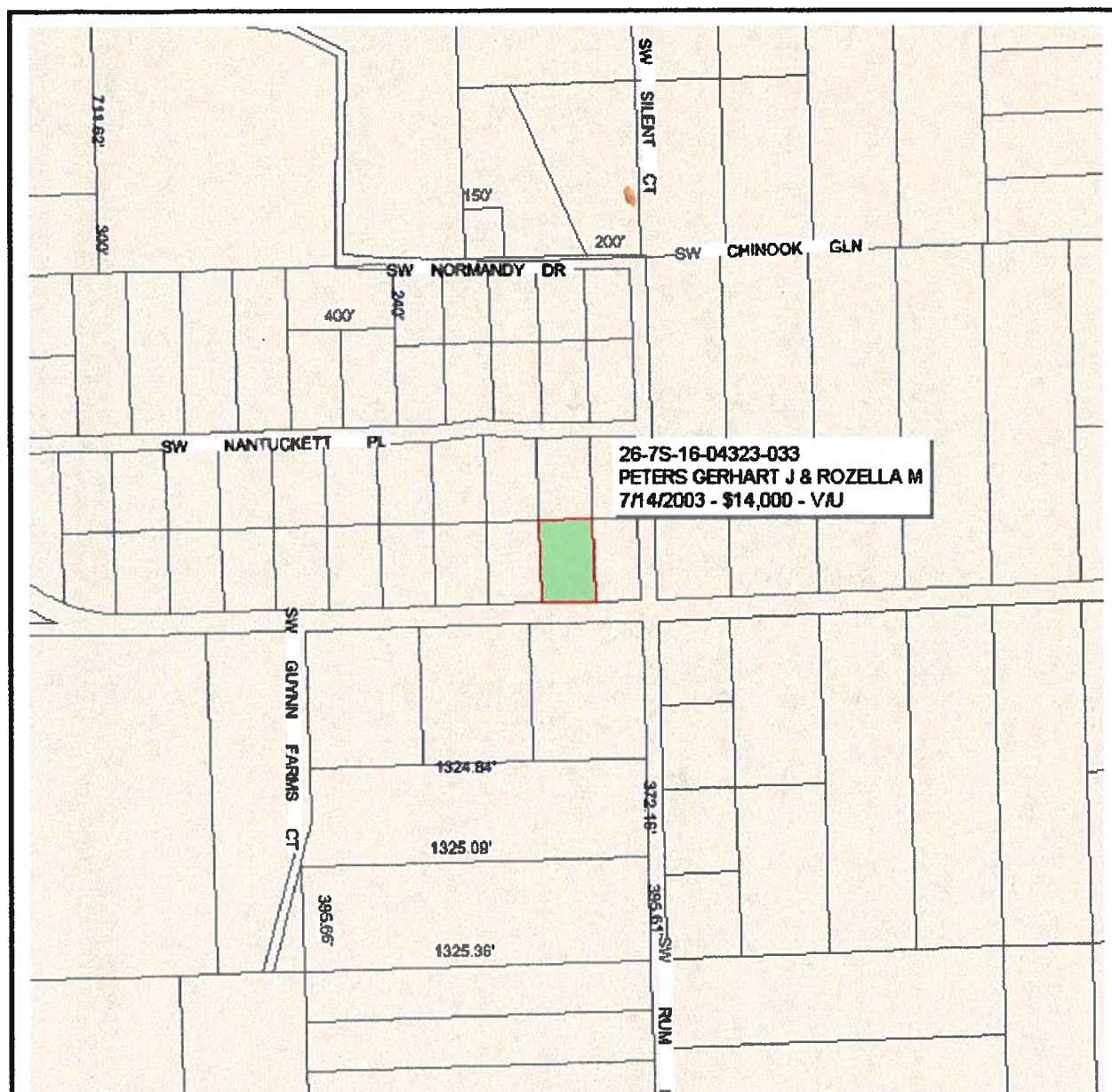
4. Please submit a recorded (with the Columbia County Clerk Office) a notice of commencement before any inspections can be preformed by the Columbia County Building Department.
5. Verify FRC-2004 section R308.4 hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. As this FBC requirement relates to the master bathroom window in the shear wall.
6. The soils in the area in which this building permit application make reference to are considered questionable soil by the designer Mr. James P. Senatore as described in section 1802.2.1 of the FBC-2004 therefore please follow the prescribed testing methods of chapter 18 to reveal the soil have a load bearing capacities of **1,500 PSI**. 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. **Or** have Mr. James P. Senatore design a foundation that will support the structure weight in soils that have a assumed load bearing capacity of **1000 PSI**.

7. The foundation plan should be reviewed by Mr. James P. Senatore once the truss packages from Robbins Engineering, Inc. is completed to verify if any interior load bearing wall will be required to support the truss system, which would require interior load bearing foundation to be established within the structures interior walls.

Thank you,

A handwritten signature in black ink, appearing to read "Joe Haltiwanger", is written over the printed name.

Joe Haltiwanger
Plan Examiner
Columbia County Building Department



Columbia County Property Appraiser

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

PARCEL: 26-7S-16-04323-033 - MOBILE HOM (000200)

LOT 33 FAIRVIEW ESTATES S/D. ORB 543-442, 628-048, 628-245, 654-065, 678-433, 702-083,

Name: PETERS GERHART J & ROZELLA M

Site: LOT 33 FAIRVIEW EST

Mail: 1297 CANYON BEND
CANYON LAKE, TX 78133

Sales 7/20/2004 \$100.00 I / U
Info 7/14/2003 \$14,000.00 V / U
9/20/1991 \$3,500.00 I / U

LandVal	\$12,000.00
BldgVal	\$5,199.00
ApprVal	\$17,199.00
JustVal	\$17,199.00
Assd	\$17,199.00
Exmpt	\$0.00
Taxable	\$17,199.00

0 0.04 0.08 0.12 mi



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, 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.



APPROXIMATE SCALE IN FEET



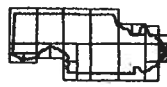
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 270 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0270 B

EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

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

Print Date: 11/23/2006 (printed at scale and type A)

26

ZONE X

ZONE X

35

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

2005 Proposed Values

Parcel: 26-7S-16-04323-033

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	PETERS GERHART J & ROZELLA M
Site Address	LOT 33 FAIRVIEW EST
Mailing Address	1297 CANYON BEND CANYON LAKE, TX 78133
Brief Legal	LOT 33 FAIRVIEW ESTATES S/D. ORB 543-442, 628-048, 628-245, 654-065, 678-433, 702-083,

Use Desc. (code)	MOBILE HOM (000200)
Neighborhood	26716.01
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	0.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (2)	\$12,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$5,199.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$17,199.00

Just Value	\$17,199.00
Class Value	\$0.00
Assessed Value	\$17,199.00
Exempt Value	\$0.00
Total Taxable Value	\$17,199.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
7/20/2004	1021/1256	WD	I	U	04	\$100.00
7/14/2003	989/899	AG	V	U	03	\$14,000.00
9/20/1991	751/1249	WD	I	U	11	\$3,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	MOBILE HME (000800)	1985	Vinyl Side (31)	941	1176	\$5,199.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000200	MBL HM (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	\$10,000.00	\$10,000.00
009945	WELL/SEPT (MKT)	1.000 UT - (.000AC)	1.00/1.00/1.00/1.00	\$2,000.00	\$2,000.00

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

1 of 1

Prepared by: *and Return to:*
 Drenda Rozema
 Liberty Title Company
 3800 LAKE CENTER LOOP, BLDG B, SUITE 5
 MT DORA, Florida 32757

File Number: 23371

Inst: 2005024882 Date: 10/07/2005 Time: 11:29
 Doc Stamp-Deed: 182.00

mk DC, P. Dewitt Cason, Columbia County B:1061 P:226

General Warranty Deed

Made this October 3, 2005 A.D. By Gerhart J. Peters and Rozella M. Peters, husband and wife, 1297 CANYON BEND, CANYON LAKE, TX 78133, hereinafter called the grantor, to James Fussell and Bertha Fussell, husband and wife, whose post office address is: 33704 WESLEY ROAD, EUSTIS, FL 32736, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

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

Lot 33, Fairview Estates, a subdivision according to plat thereof recorded in Plat Book 4, page 85, Public Records of Columbia County, Florida.

ff This is vacant property

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number: 26-79-16-04323-833

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2004.

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

Signed, sealed and delivered in our presence:

[Signature]
 Witness Printed Name: *Tabitha L. Dasher*

[Signature] (Seal)
 Gerhart J. Peters
 Address: 1297 CANYON BEND, CANYON LAKE, TX 78133

[Signature]
 Witness Printed Name: *Drenda P. Rozema*

[Signature] (Seal)
 Rozella M. Peters
 Address: 1297 Canyon Bend, Canyon TX 78133

State of Texas
 County of *Comal*

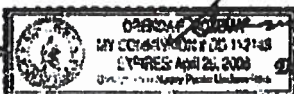
The foregoing instrument was acknowledged before me this October 3, 2005, by *Gerhart J. Peters* and Rozella M. Peters, husband and wife, who is/are personally known to me or who has produced *dr lic* as identification.

[Signature]
 Notary Public
 Print Name: *Tabitha L. Dasher*
 My Commission Expires: *10/29/07*



As to Gerhart J. Peters married man, who produced *dr lic* as identification
 on Oct 3, 2005

State of Florida County of *Lake*
 DEED: General Warranty Deed With Non-Resident Legal on Face
 Clerk's Office



@ CAM112M01 S CamaUSA Appraisal System
7/25/2005 12:36 Legal Description Maintenance
Year T Property Sel
2005 R 26-7S-16-04323-033

Columbia County
12000 Land 002 *
AG 000
5199 Bldg 001
Xfea 000
17199 TOTAL B

no flood zone

LOT 33 FAIRVIEW EST
~~PETERS GERHART J & ROZELLA M~~
Fussell, James & Bertha
1 LOT 33 FAIRVIEW ESTATES S/D. ORB 543-442, 628-048, 628-245, 2
3 654-065, 678-433, 702-083, 745-622, 751-1249, 829-2244, 4
5 AG 989-899, WD 1021-1256. 6
7 8
9 10
11 12
13 14
15 16
17 18
19 20
21 22
23 24
25 26
27 28

Mnt 8/03/2004 KYLIE

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

3
No Flood Zone
James Fussell

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling
☐ Farm Outbuilding
☐ New Construction

- ☐ Two-Family Residence
☐ Other _____

☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I, James E. Fussell, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Signature

Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

24074

Notice of Intent For Preventative Treatments for Termites
(as required by Florida Building Code (FBC) 104.2.6)

ALACHUA
PEST CONTROL inc.



"If we can't trap 'em, we'll rope 'em"

Termites • Household Pests
Fumigation • Radon Testing



14900 NW 140th St. / P.O. Box 1132 / Alachua, Florida 32616-1132
(386) 462-2958 (352) 375-1555 (386) 462-1310 Fax

Address 2167 S.W. Co Rd 138 Ft White FL

Date 3/16/06

BORA-CARE Termiticide (Wood Treatment)
Product Used

Disodium Octaborate Tetrahydrate
Chemical used (active ingredient)

23% Active Ingredient
Percent Concentration

Application will be performed onto structural wood at dried-in stage of construction
Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

BORA-CARE Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1.8.

(INFORMATION TO BE PROVIDED TO LOCAL BUILDING CODE OFFICES PRIOR TO
CONCRETE FOUNDATION INSTALLATION)

**UNIVERSAL****ENGINEERING SCIENCES**

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

Project No.: 28308-001-01
Report No.: 2100
Date: March 29, 2006

REPORT ON IN-PLACE DENSITY TESTS

Client: James Fussell
33704 Wesley Road
Eustis, FL 32736

Permit # 24074

Project: Fussell Residence, 2167 SW C.R. 138, Permit No. 000023711, Fort White, Columbia County, FL

Area Tested: Fill Beneath Proposed Building Pad and Exterior Foundation

Course: Final Grade

Depth of Test: 0-1'

Type of Test: ASTM D-2922

Date Tested: 03-27-06

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

TEST LOCATION		LABORATORY RESULTS		FIELD TEST RESULTS		
Description of Test Location		Maximum Density (pcf)	Optimum Moisture (%)	Dry Density (pcf)	Field Moisture (%)	Soil Compaction (%)
1.	Approximate Center of North Exterior Foundation	106.0	12.0	103.8	6.2	97.9
2.	Approximate Center of Pad	106.0	12.0	103.1	5.8	97.3
3.	Approximate Center of West Side of Foundation	106.0	12.0	103.7	4.5	97.8

Technician: TG/ts

AS 4/3/06
Andrew T. Schmid, P.E.
Professional Engineer No. 56022



UNIVERSAL ENGINEERING SCIENCES
4475 S.W. 35TH TERRACE, GAINESVILLE, FL. 32608
(352) 372-3392 FAX NO:(352) 336-7914

PROJECT NO. : 28308-001-01
REPORT NO: 2280
DATE: 03-28-06

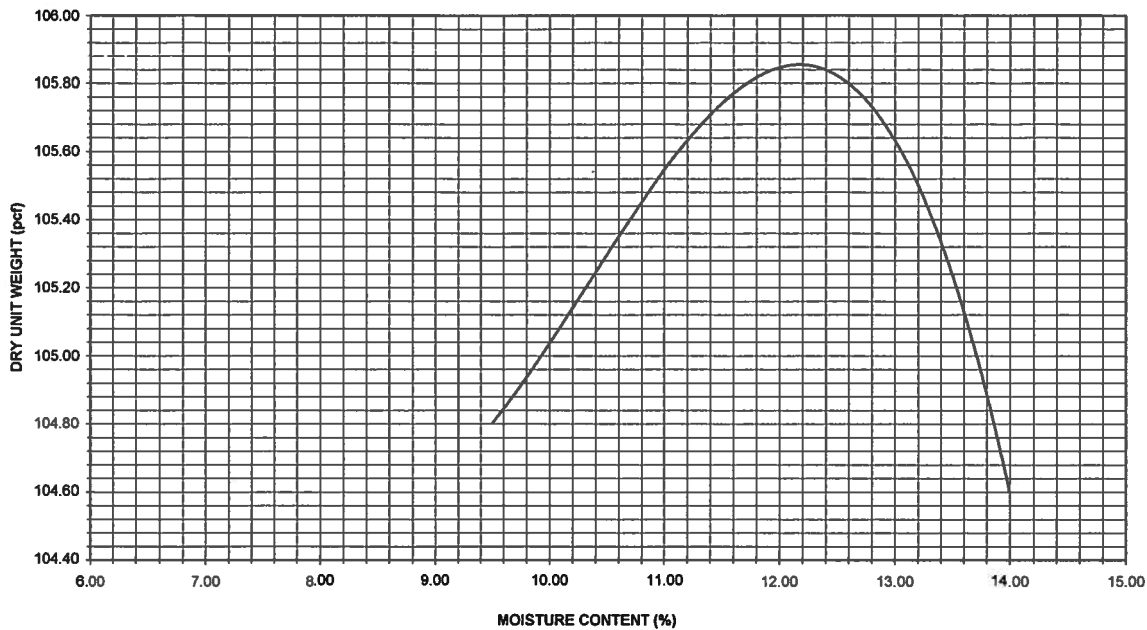
MOISTURE-DENSITY RELATIONSHIP TEST
ASTM D 1557

CLIENT: James Fussell
33704 Weslev Road
Eustis, FL 32736

PROJECT: Fussell Residence
2167 SW C.R. 138
Fort White, Columbia County, FL

DATE TESTED: 03-28-06

SAMPLE LOCATION: Approximate Center of West Side of Pad
SOIL DESCRIPTION: Light Brown Sand



OPT MOISTURE: 12.0
MAX DENSITY: 106.0

Andrew T. Schmid
Andrew T. Schmid, P.E.
FL PE NO. 56022
STATE OF
FLORIDA
Professional Engineer

CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 26-7S-16-04323-033

Building permit No. 000024074

Use Classification SFD/UTILITY

Fire: 44.64

Permit Holder JAMES FUSSELL

Waste: 134.00

Owner of Building JAMES & BERTHA FUSSELL

Total: 178.64

Location: 2167 SW CR 138, FT. WHITE, FL

Date: 02/23/2007

[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)





LETTER

Tuesday, January 10, 2006

JAMES P. SENATORE, ARCHITECT

State of Florida Registered Architect # AR 0006808

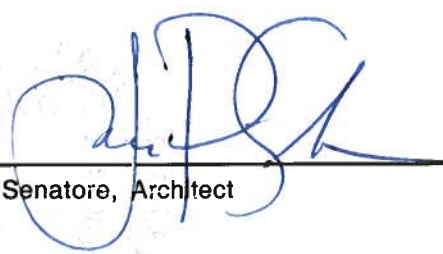
1317 Sumter Street, Leesburg, Florida 34748 • Fax: (352) 728-8292 • Phone: (352) 787-1121

To: Columbia County Building Dept. Plan Review
P.O. Box 1529
Lake City, Florida
32056 - 1529

Re: Residence for Mr & Mrs. Fussell
Permit application 060104

1. Soil load bearing capacity 1,000 #'s/sf
 - a.) load of rear wall roof / wall TL 1,025#'s/lf • Footing capacity 1,340#'s/lf
 - b.) load of front wall roof / wall TL 1,072#'s/lf • Footing capacity 1,340#'s/lf
 - c.) load of post at porch roof TL 2,585#'s/lf • Footing capacity $1.34 * 3.34 = 4,475\text{'s/sf}$
2. Owner may change roof decking to 1/2" cdx (4 ply) plywood, OSB may NOT be used.

Thank you



James P. Senatore, Architect

**LETTER**

Tuesday, January 10, 2006

JAMES P. SENATORE, ARCHITECT

State of Florida Registered Architect # AR 0006808

1317 Sumter Street, Leesburg, Florida 34748 • Fax: (352) 728-8292 • Phone: (352) 787-1121

To: Columbia County Building Dept. Plan Review
P.O. Box 1529
Lake City, Florida
32056 - 1529

ATTN: JOE

Re: Residence for Mr & Mrs. Fussell
Permit application 080104

1. Soil load bearing capacity 1,000 #s/sf
 - a.) load of rear wall roof / wall TL 1,025#s/lf • Footing capacity 1,340#s/lf
 - b.) load of front wall roof / wall TL 1,072#s/lf • Footing capacity 1,340#s/lf
 - c.) load of post at porch roof TL 2,585#s/lf • Footing capacity $1.34 * 3.34 = 4,475\#s/sf$
2. Owner may change roof decking to 1/2" cdx (4 ply) plywood, OSB may NOT be used.

Thank you

James P. Senatore, Architect

MIDSTATE ROOF TRUSS & TIMBER, INC.

PO Box 1977, Ocala, FL 34478

PHONE: (352) 622-7252 FAX: (352) 622-9338

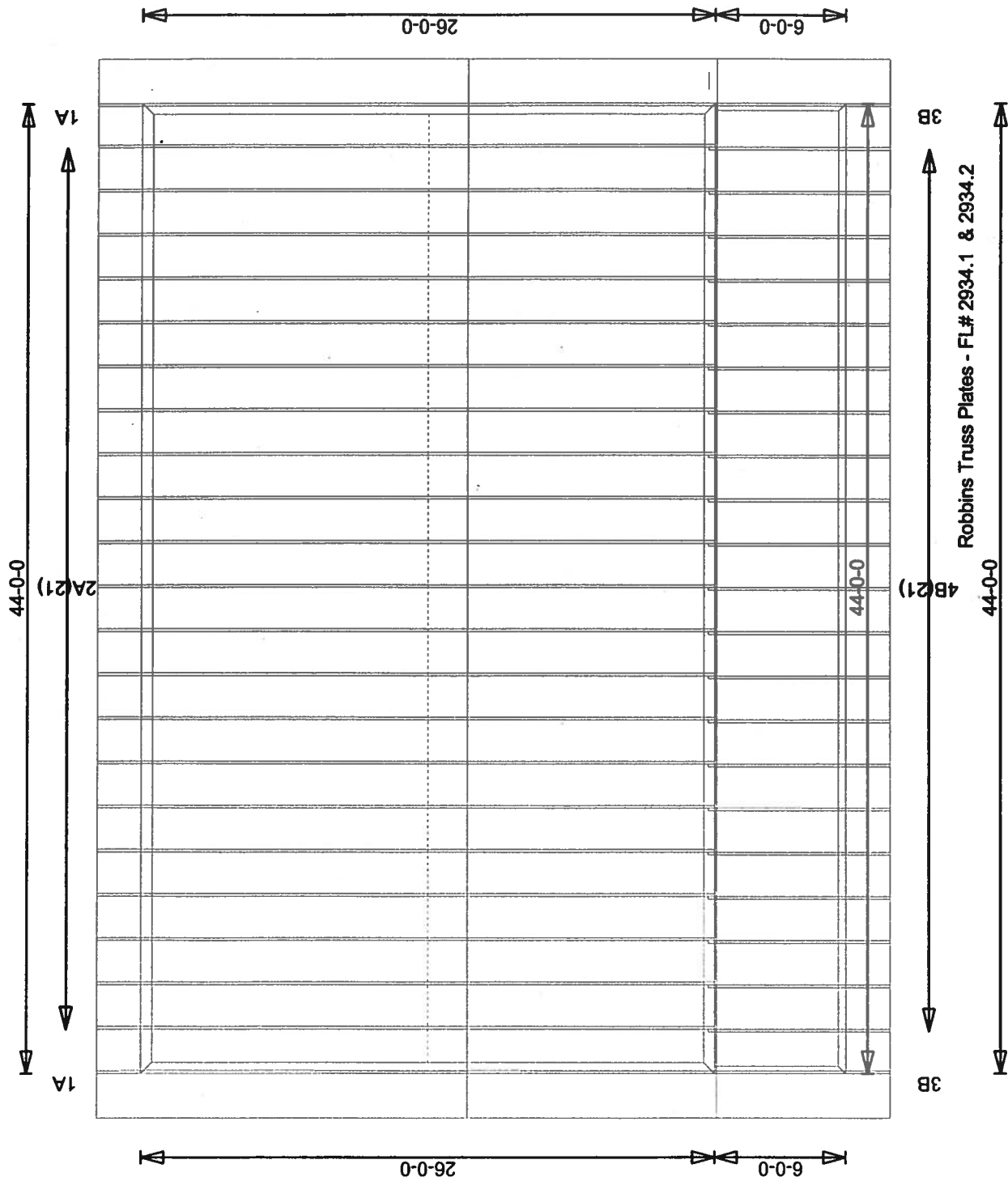
Attn: Plans Examiner, Joe Haltiwanger,

The attached Truss information is for the James and Bertha Fussel Residence.
Application number – 0601-04

Please add this to the permit application for the Fussel Residence.

Thank you,

Earl Pearson
Midstate Roof Truss and Timber
1-800-625-5420



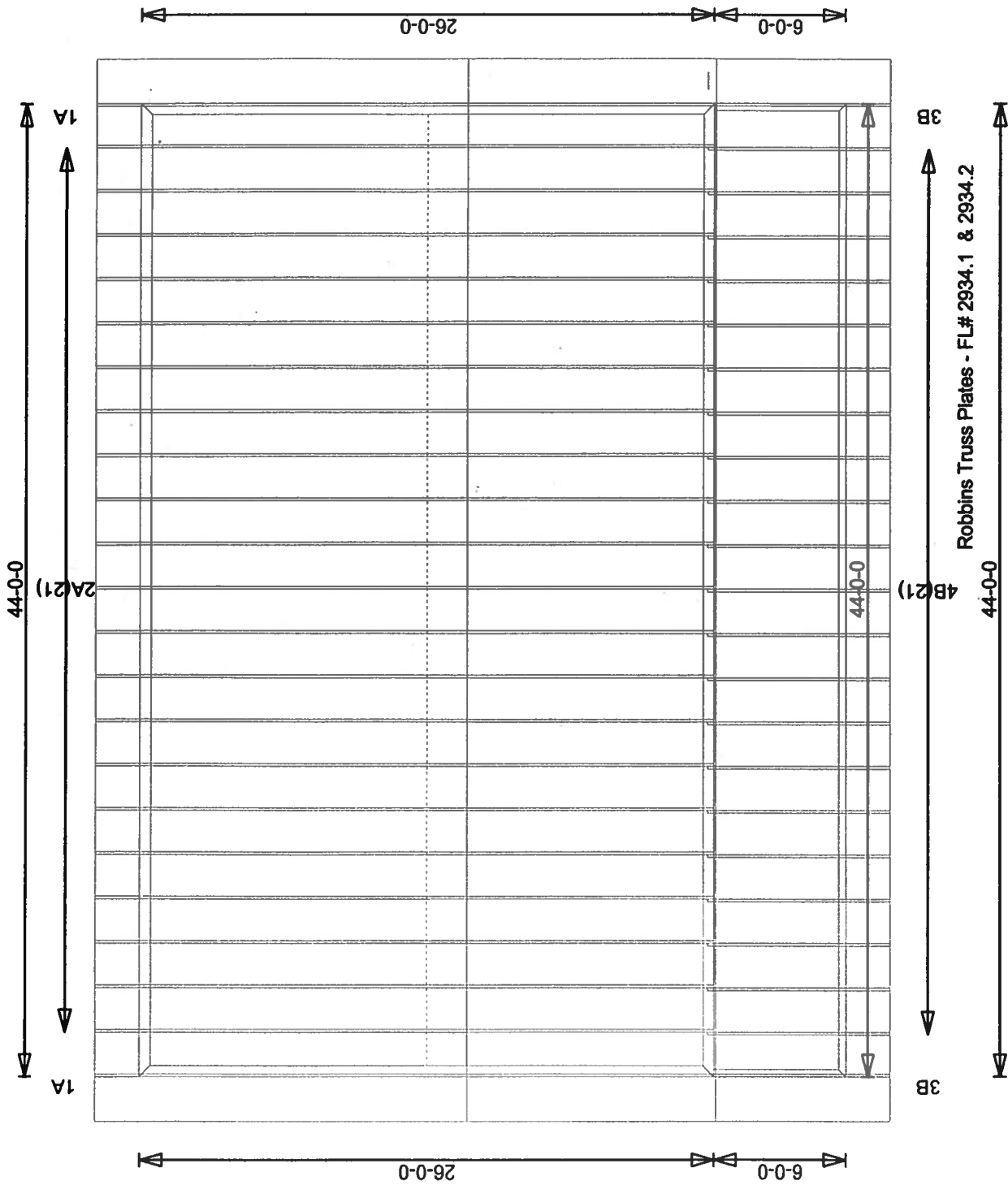
Robbins Truss Plates - FL# 2934.1 & 2934.2

Midstate Roof Truss
& Timber
1903 N.W. MLK Jr.
Ave.
Ocala, FL 34475
352-622-7252

James & Bertha Fussel
Fussel Residence
5/12 & 3.5/12 Pitch 24" Cant OH
47# Load

Roof Loading
TC Live: 30.00 psf
TC Dead: 7.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 33.00
BC Stress Inc: 33.00
Spacing: 2'-0" o.c.

Account: MISC
Job: Fussel-J-B
Designer: Earl Pearson
Checker: NONE ASSIGNED
Date: 01-03-06

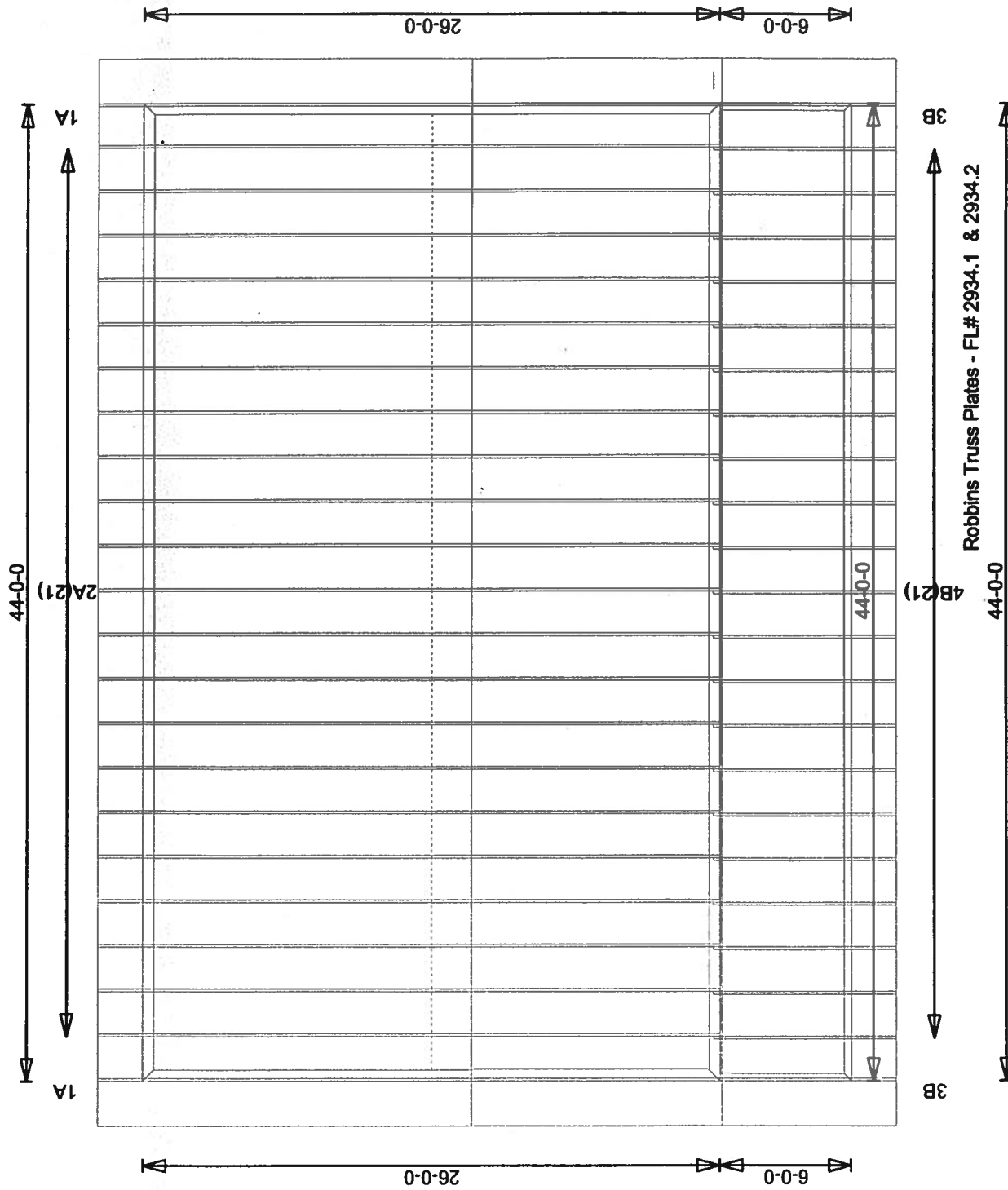


Account: MISC
 Job: Fussel-JB
 Designer: Earl Pearson
 Checker: NONE ASSIGNED
 Date: 01-03-06

Roof Loading
 TC Live: 30.00 psf
 TC Dead: 7.00 psf
 BC Live: 0.00 psf
 BC Dead: 10.00 psf
 TC Stress Inc: 33.00
 BC Stress Inc: 33.00
 Spacing: 2'-0" o.c.

James & Bertha Fussel
 Fussel Residence
 5/12 & 3.5/12 Pitch 24" Cant OH
 47# Load

Midstate Roof Truss
 & Timber
 1903 N.W. MLK Jr.
 AVE
 Ocala, FL 34475
 352-622-7252



Robbins Truss Plates - FL# 2934.1 & 2934.2

Midstate Roof Truss
& Timber
1903 N.W. MLK Jr.
Ave
Ocala, FL 34475
352-622-7252

James & Bertha Fussel
Fussel Residence
5/12 & 3.5/12 Pitch 24" Cant OH
47# Load

Roof Loading
TC Live: 30.00 psf
TC Dead: 7.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 33.00
BC Stress Inc: 33.00
Spacing: 2'-0" o.c.

Account: MISC
Job: Fussel-J-B
Designer: Earl Pearson
Checker: NONE ASSIGNED
Date: 01-03-06

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

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

Truss Fabricator: MIDSTATE ROOF TRUSS & TIMBER INC

Job Reference: FUSSEL-J-B - Fussel - James & Bertha

Standard Loading:

T.C. Live	30 psf
T.C. Dead	7 psf
B.C. Live	0 psf
B.C. Dead	10 psf
Total	47 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 - 110 mph
 Mean Roof Ht. - 15 ft.
 Exposure Category - C
 Occupancy Factor - 1.00
 MWFRS
 Enclosed

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06010155	01/04/2006		4

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

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

Date Mark

1 01/04/06 1A

Date Mark

2 01/04/06 2A

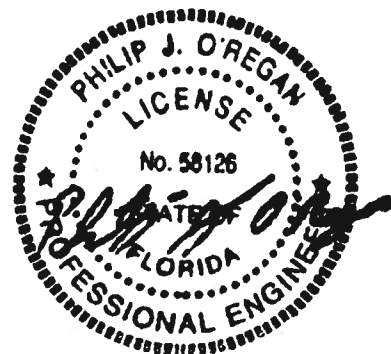
Date Mark

3 01/04/06 3B

Date Mark

4 01/04/06 4B

Truss Design Engineer: Philip J. O'Regan
 License #: 58126
 Address: P.O. Box 280055, Tampa, FL 33682



FUSSEL-J-B

Mark
1A

Quan
2

Type
DUAL

Span
280000

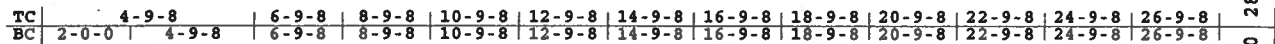
P1-H1
5

Left OH
0

Right OH
0

Engineering
T06010155

U# J#FUSSEL-J-B Fussel - James & Bertha



See Joint L For Typical Gable Plate Size and Placement

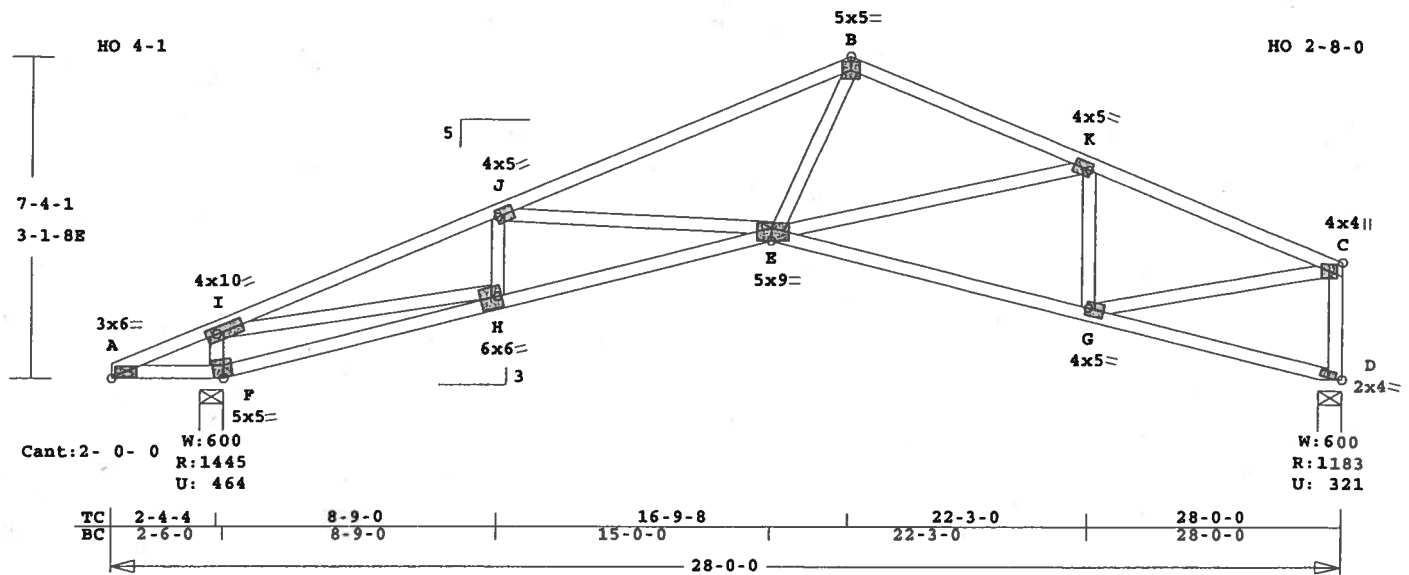
Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 202.5 LBS

A circular professional engineer seal for Philip J. O'Regan. The outer ring contains the text "PHILIP J. O'REGAN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 58126" is printed. A large, stylized signature is written across the center of the seal, overlapping the license number and the word "FLORIDA".

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	1A	2	DUAL	280000	5	0	0	T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								

Max comp. force 228 Lbs
Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	2A	21	SP	280000	5	0	0	T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								



ALL PLATES ARE LOCK20

Scale: 0.230" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 182.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

CSI -Size- ----Lumber-----
TC 0.86 2x 4 SP-#2D
BC 0.54 2x 4 SP-#2D
WB 0.85 2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	28- 0- 0	
BC Cont.	0- 0- 0	28- 0- 0	

Loading	Live	Dead	(psf)
TC	30.0	7.0	
BC	0.0	10.0	
Total	30.0	17.0	47.0
Spacing			24.0"
Lumber Duration Factor			1.33
Plate Duration Factor			1.33
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
F	1445	464	6- 0	1- 6
			Hz =	-146
D	1184	321	6- 0	1- 1
			Hz =	156

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

A - I	0.37	272 T	0.04	0.33
I - J	0.53	2848 C	0.03	0.50
J - B	0.86	2464 C	0.16	0.70
B - K	0.33	1879 C	0.01	0.32
K - C	0.34	1680 C	0.02	0.32

-----Bottom Chords-----
A - F 0.23 193 C 0.00 0.23
F - H 0.31 207 C 0.00 0.31
H - E 0.54 2718 T 0.40 0.14
E - G 0.34 1612 T 0.23 0.11

G - D	0.23	162 T	0.00	0.23
-----Webs-----				
F - I	0.20	1382 C		
I - H	0.85	2839 T		
H - J	0.06	382 C		
J - E	0.22	366 C		
E - B	0.39	1299 T		
E - K	0.07	199 T		
G - K	0.12	558 C		
G - C	0.48	1595 T		
D - C	0.20	1140 C		

LL Defl	-0.20"	in H - E	L/999
TL Defl	-0.34"	in H - E	L/878
LL Cant	-0.01"	in A - F	L/999
Shear // Grain		in J - B	0.34
Hz Disp	LL	DL	TL
Jt D	0.11"	0.06"	0.18"

Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 6.0 Ctr Ctr 0.79
I LOCK 4.0x10.0 0.3 0.1 0.98
J LOCK 4.0x 5.0 Ctr Ctr 0.65
B LOCK 5.0x 5.0 Ctr Ctr 0.61
K LOCK 4.0x 5.0 Ctr Ctr 0.65
C LOCK 4.0x 4.0 Ctr Ctr 0.71
F LOCK 5.0x 5.0-0.3 2.8 0.57
H LOCK 6.0x 6.0 Ctr Ctr 0.98
E LOCK 5.0x 9.0 0.5-1.1 0.61
G LOCK 4.0x 5.0 Ctr Ctr 0.62
D LOCK 2.0x 4.0 Ctr Ctr 0.56

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

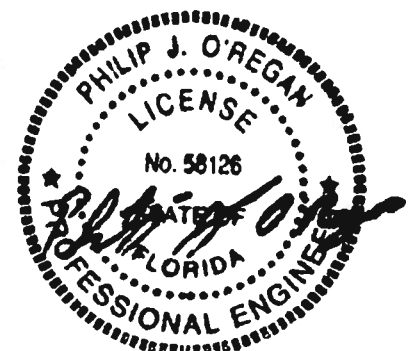
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

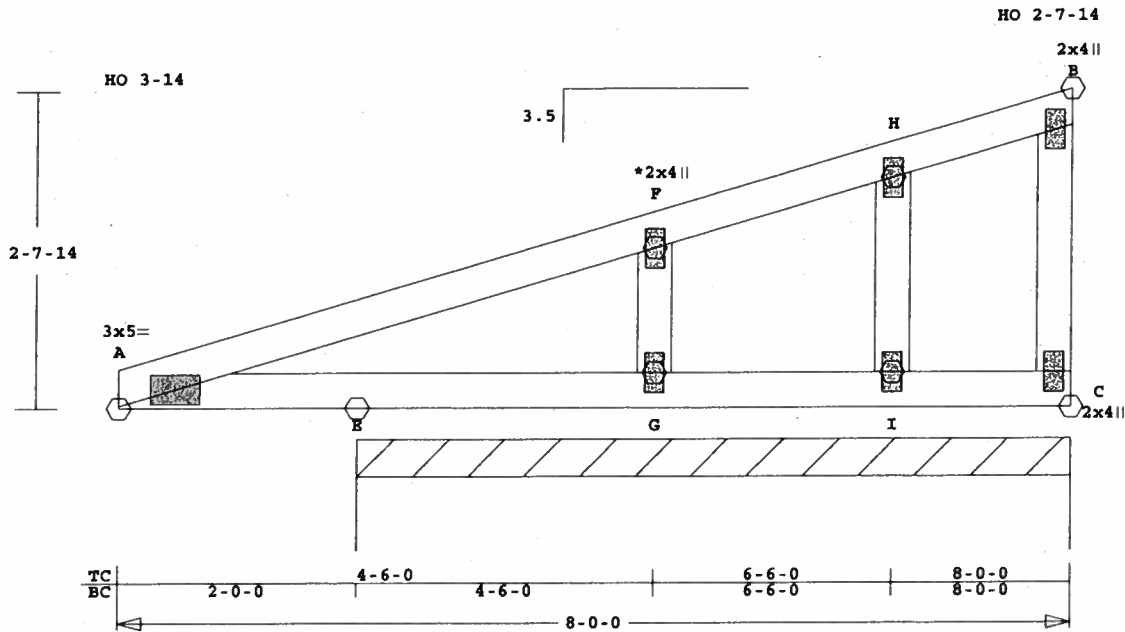
Trusses Manufactured by:
MIDSTATE ROOF TRUSS
Analysis Conforms To:
FBC2004

Design checked for 10 psf non-
concurrent LL on BC.
No wind exposure on right end.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: C
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 2848 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	3B	2	MONO	80000	3.5	0	0	T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								



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

Scale: 0.626" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 40.1 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

CSI	-Size-	---	Lumber---
TC	0.20	2x 4	SP-#2D
BC	0.27	2x 4	SP-#2D
WB	0.03	2x 4	SP-#3
GW	0.03	2x 4	SP-#3

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	30.0	7.0	
BC	0.0	10.0	
Total	30.0	17.0	47.0
Spacing			24.0"
Lumber Duration Factor			1.33
Plate Duration Factor			1.33
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	2- 0- 0	0 to	8- 0- 0	
	752	263	Hz =	154

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - F	0.20		91 C	0.00	0.20
F - H	0.11		61 C	0.00	0.11
H - B	0.01		47 C	0.00	0.01

Bottom Chords					
A - E	0.27	109 T	0.00	0.27	
E - G	0.27	0 T	0.00	0.27	
G - I	0.04	0 T	0.00	0.04	
I - C	0.02	0 T	0.00	0.02	

Webs	
C - B	0.03 55 C WindLd

Gable Webs	
G - F	0.03 227 C
I - H	0.01 95 C

LL Defl	0.00"	in E - G	L/999
TL Defl	0.01"	in E - G	L/999
LL Cant	-0.03"	in A - E	L/767
Shear //	Grain	in A - E	0.31

Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 5.0 Ctr Ctr 0.59
F LOCK 2.0x 4.0 Ctr Ctr 0.00
H LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 2.0x 4.0 Ctr Ctr 0.38
G LOCK 2.0x 4.0 Ctr Ctr 0.00
I LOCK 2.0x 4.0 Ctr Ctr 0.00
C LOCK 2.0x 4.0 Ctr Ctr 0.38

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

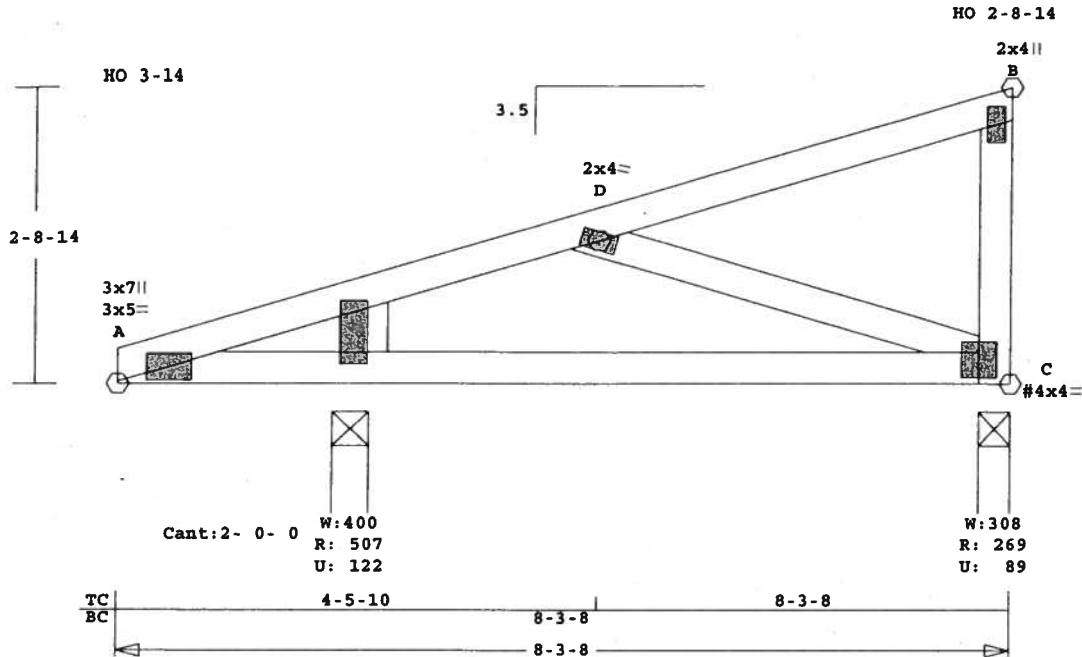
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
MIDSTATE ROOF TRUSS
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: C
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 227 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Job FUSSEL-J-B	Mark 4B	Quan 21	Type MONO	Span 80308	Pl-H1 3.5	Left OH 0	Right OH 0	Engineering T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								



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

Scale: 0.566" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 48.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

TC	BC	WB	WG	CSI -Size-	Lumber----
0.22	0.20	0.07	---	2x 4	SP-#2D
0.20	0.20	0.07	---	2x 4	SP-#2D
0.07	0.20	0.07	---	2x 4	SP-#3
---	---	---	---	2x 6	SP-#1

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	8- 3- 8
BC Cont.	0- 0- 0	8- 3- 8

Loading	Live	Dead	(psf)
TC	30.0	7.0	
BC	0.0	10.0	
Total	30.0	17.0	47.0
Spacing			24.0"
Lumber Duration Factor			1.33
Plate Duration Factor			1.33
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	507	122	4- 0	1- 0
			Hz =	-80
C	269	89	3- 8	1- 0
			Hz =	160

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -D 0.22 291 C 0.00 0.22

D -B 0.18 60 C 0.00 0.18
-----Bottom Chords-----
A -C 0.20 263 T 0.01 0.19
-----Webs-----
D -C 0.07 276 C
C -B 0.06 146 C WindLd
LL Defl -0.03" in A -C L/999
TL Defl -0.05" in A -C L/999
Shear // Grain in D -B 0.18

Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 5.0 Ctr Ctr 0.60
A LOCK 3.0x 7.0 Ctr Ctr 0.00
D LOCK 2.0x 4.0 Ctr Ctr 0.37
B LOCK 2.0x 4.0 Ctr Ctr 0.38
C# LOCK 4.0x 4.0 Ctr 2.7 0.45

= Plate Monitor used

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:
MIDSTATE ROOF TRUSS
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-

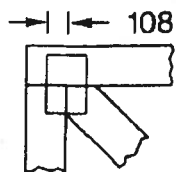
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 291 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



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

PLATE SIZE

6 x 8

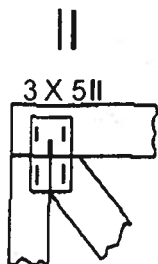
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.



LATERAL BRACING

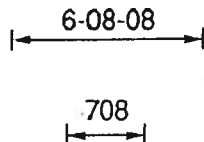
Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

PLATE ORIENTATION



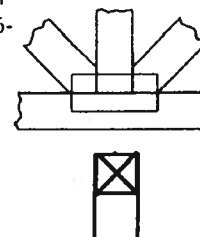
Shown next to plate size, indicates direction of slots in connector plate.

DIMENSIONS



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

BEARING



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

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

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

FURNISH A COPY OF THESE DESIGNS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE TRUSS DESIGN DRAWINGS & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS PLACEMENT DIAGRAM.



Corporate Headquarters

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

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

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

Truss Fabricator: MIDSTATE ROOF TRUSS & TIMBER INC

Job Reference: FUSSEL-J-B - Fussel - James & Bertha

Standard Loading:

T.C. Live	30 psf
T.C. Dead	7 psf
B.C. Live	0 psf
B.C. Dead	10 psf
Total	47 psf

**ROBBINS
ENGINEERING, INC.**

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

Engineering Index Sheet

Index Page 1 of 1

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06010155	01/04/2006		4

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

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

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

Date Mark

1 01/04/06 1A

Date Mark

2 01/04/06 2A

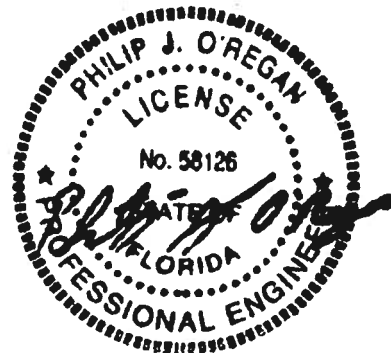
Date Mark

3 01/04/06 3B

Date Mark

4 01/04/06 4B

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

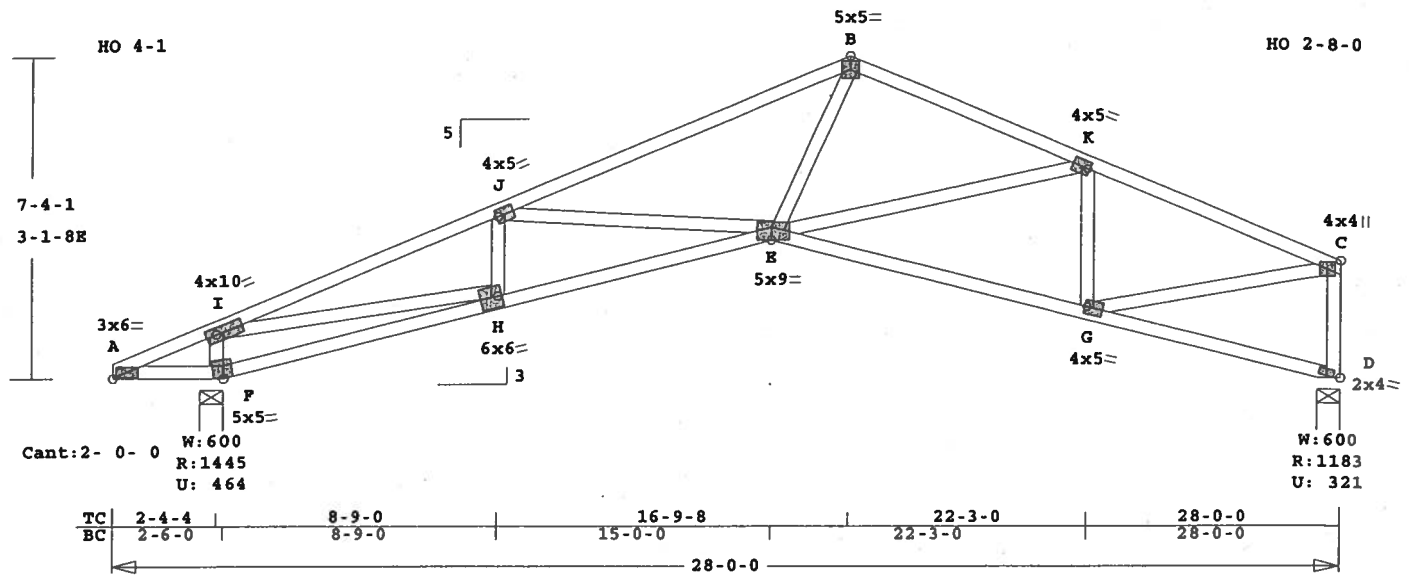


D-4 C-1-2 1/4/2007

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	1A	2	DUAL	280000	5	0	0	T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								

Max comp. force 228 Lbs
Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	2A	21	SP	280000	5	0	0	T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								



ALL PLATES ARE LOCK20

Scale: 0.230" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 182.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

CSI -Size- ----Lumber-----
TC 0.86 2x 4 SP-#2D
BC 0.54 2x 4 SP-#2D
WB 0.85 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 28- 0- 0
BC Cont. 0- 0- 0 28- 0- 0

Loading Live Dead (psf)
TC 30.0 7.0
BC 0.0 10.0
Total 30.0 17.0 47.0
Spacing 24.0"
Lumber Duration Factor 1.33
Plate Duration Factor 1.33
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
F	1445	464	6- 0	1- 6
			Hz =	-146
D	1184	321	6- 0	1- 1
			Hz =	156

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
A - I	0.37		272 T	0.04	0.33	
I - J	0.53		2848 C	0.03	0.50	
J - B	0.86		2464 C	0.16	0.70	
B - K	0.33		1879 C	0.01	0.32	
K - C	0.34		1680 C	0.02	0.32	
-----Bottom Chords-----						
A - F	0.23		193 C	0.00	0.23	
F - H	0.31		207 C	0.00	0.31	
H - E	0.54		2718 T	0.40	0.14	
E - G	0.34		1612 T	0.23	0.11	

G - D	0.23	162 T	0.00	0.23
-----Webs-----				
F - I	0.20	1382 C		
I - H	0.85	2839 T		
H - J	0.06	382 C		
J - E	0.22	366 C		
E - B	0.39	1299 T		
E - K	0.07	199 T		
G - K	0.12	558 C		
G - C	0.48	1595 T		
D - C	0.20	1140 C		

LL Defl	-0.20"	in H - E	L/999
TL Defl	-0.34"	in H - E	L/878
LL Cant	-0.01"	in A - F	L/999
Shear // Grain		in J - B	0.34
Hz Disp	LL	DL	TL
Jt D	0.11"	0.06"	0.18"

Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 6.0 Ctr Ctr 0.79
I LOCK 4.0x10.0 0.3 0.1 0.98
J LOCK 4.0x 5.0 Ctr Ctr 0.65
B LOCK 5.0x 5.0 Ctr Ctr 0.61
K LOCK 4.0x 5.0 Ctr Ctr 0.65
C LOCK 4.0x 4.0 Ctr Ctr 0.71
F LOCK 5.0x 5.0-0.3 2.8 0.57
H LOCK 6.0x 6.0 Ctr Ctr 0.98
E LOCK 5.0x 9.0 0.5-1.1 0.61
G LOCK 4.0x 5.0 Ctr Ctr 0.62
D LOCK 2.0x 4.0 Ctr Ctr 0.56

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

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

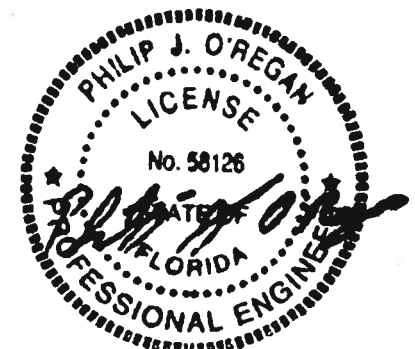
NOTES:

Trusses Manufactured by:
MIDSTATE ROOF TRUSS
Analysis Conforms To:
FBC2004

Design checked for 10 psf non-
concurrent LL on BC.
No wind exposure on right end.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph

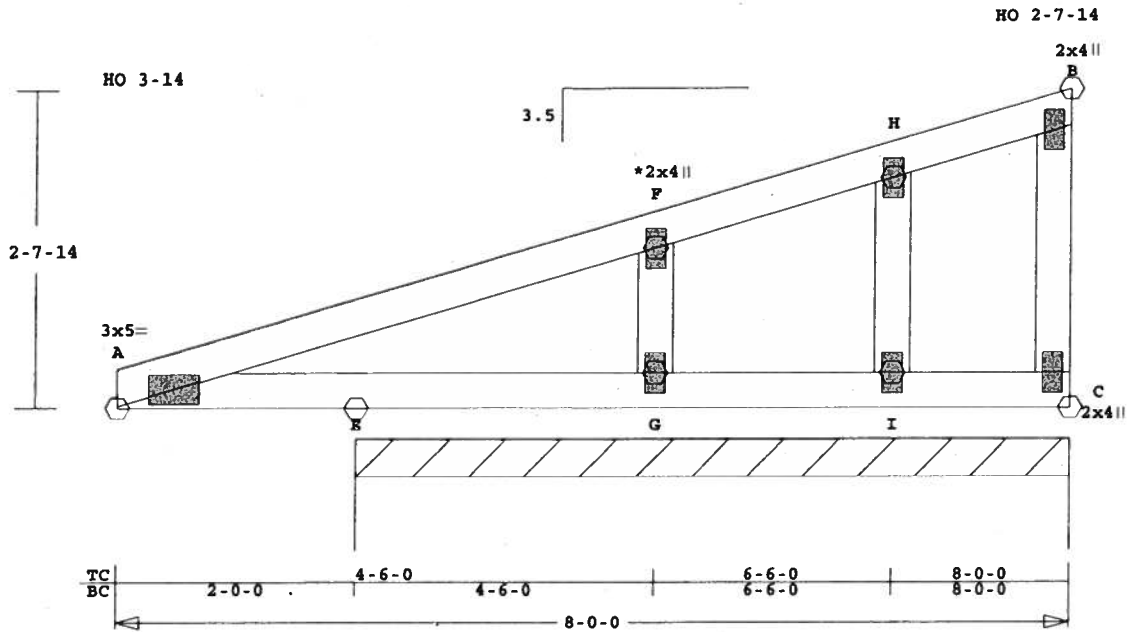
Mean Roof Height: 15-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 2848 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	3B	2	MONO	80000	3.5	0	0	T06010155

U# J#FUSSEL-J-B Fussel - James & Bertha



ALL PLATES ARE LOCK20

See Joint F For Typical Gable Plate Size and Placement

Scale: 0.626" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 40.1 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

	CSI	-Size-	-----Lumber-----
TC	0.20	2x 4	SP-#2D
BC	0.27	2x 4	SP-#2D
WB	0.03	2x 4	SP-#3
GW	0.03	2x 4	SP-#3

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	30.0	7.0	
BC	0.0	10.0	
Total	30.0	17.0	47.0
Spacing			24.0"
Lumber Duration Factor			1.33
Plate Duration Factor			1.33
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	2- 0- 0	to 8- 0- 0		
	752	263	Hz	= 154

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A - F	0.20		91 C	0.00	0.20
F - H	0.11		61 C	0.00	0.11
H - B	0.01		47 C	0.00	0.01

-----Bottom Chords-----					
A - E	0.27	109 T	0.00	0.27	
E - G	0.27	0 T	0.00	0.27	
G - I	0.04	0 T	0.00	0.04	
I - C	0.02	0 T	0.00	0.02	
-----Webs-----					
C - B	0.03	55 C	WindLd		
-----Gable Webs-----					
G - F	0.03	227 C			
I - H	0.01	95 C			

LL Defl	0.00"	in E - G	L/999
TL Defl	0.01"	in E - G	L/999
LL Cant	-0.03"	in A - E	L/767
Shear //	Grain in A - E	0.31	

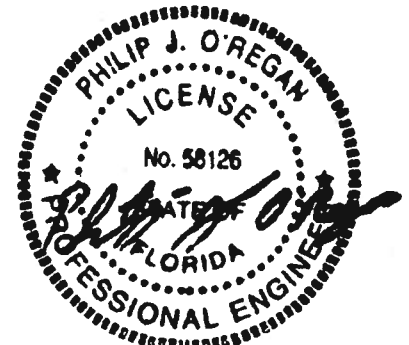
Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 5.0 Ctr Ctr 0.59
F LOCK 2.0x 4.0 Ctr Ctr 0.00
H LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 2.0x 4.0 Ctr Ctr 0.38
G LOCK 2.0x 4.0 Ctr Ctr 0.00
I LOCK 2.0x 4.0 Ctr Ctr 0.00
C LOCK 2.0x 4.0 Ctr Ctr 0.38

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

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

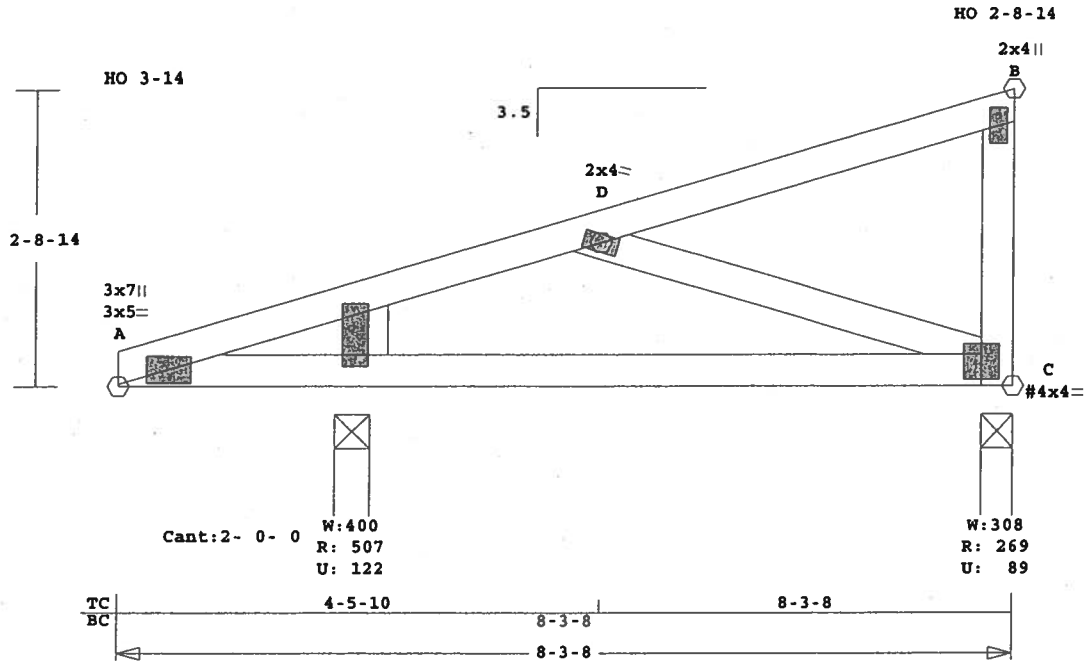
NOTES:
Trusses Manufactured by:
MIDSTATE ROOF TRUSS
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: C
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 227 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	4B	21	MONO	80308	3.5	0	0	T06010155

U# J#FUSSEL-J-B Fussel - James & Bertha



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

Scale: 0.566" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 48.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

TC	BC	WB	WG	CSI -Size-	Lumber----
0.22	0.20	0.07	---	2x 4	SP-#2D
0.20	0.20	0.07	---	2x 4	SP-#2D
0.07	0.20	0.07	---	2x 4	SP-#3
---	---	---	---	2x 6	SP-#1

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	8- 3- 8
BC Cont.	0- 0- 0	8- 3- 8

Loading	Live	Dead	(psf)
TC	30.0	7.0	
BC	0.0	10.0	
Total	30.0	17.0	47.0
Spacing			24.0"
Lumber Duration Factor			1.33
Plate Duration Factor			1.33
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	507	122	4- 0	1- 0
			Hz =	-80
C	269	89	3- 8	1- 0
			Hz =	160

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----	-----	-----	-----	-----	-----
A -D	0.22	291	C	0.00	0.22

D -B 0.18 60 C 0.00 0.18
-----Bottom Chords-----
A -C 0.20 263 T 0.01 0.19
-----Webs-----
D -C 0.07 276 C
C -B 0.06 146 C WindLd
LL Defl -0.03" in A -C L/999
TL Defl -0.05" in A -C L/999
Shear // Grain in D -B 0.18

Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 5.0 Ctr Ctr 0.60
A LOCK 3.0x 7.0 Ctr Ctr 0.00
D LOCK 2.0x 4.0 Ctr Ctr 0.37
B LOCK 2.0x 4.0 Ctr Ctr 0.38
C# LOCK 4.0x 4.0 Ctr 2.7 0.45

= Plate Monitor used

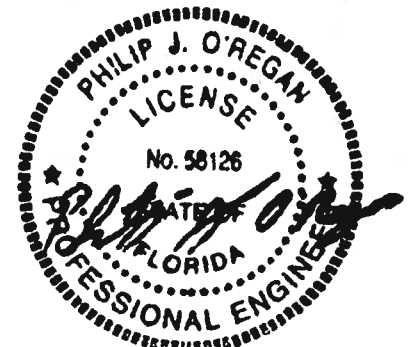
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:
MIDSTATE ROOF TRUSS
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-

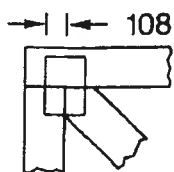
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 291 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License # 58126
Address: P.O. Box 280055, Tampa, FL 33682



ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



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

PLATE SIZE

6 x 8

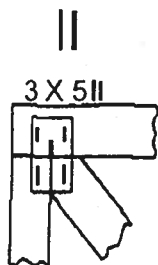
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.



LATERAL BRACING

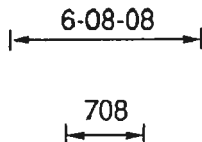
Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

PLATE ORIENTATION



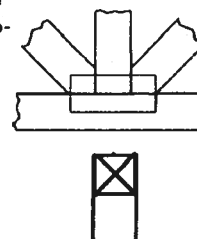
Shown next to plate size, indicates direction of slots in connector plate.

DIMENSIONS



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

BEARING



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

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

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

FURNISH A COPY OF THESE DESIGNS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE TRUSS DESIGN DRAWINGS & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS PLACEMENT DIAGRAM.



Corporate Headquarters

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

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

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

Truss Fabricator: MIDSTATE ROOF TRUSS & TIMBER INC

Job Reference: FUSSEL-J-B - Fussel - James & Bertha

Standard Loading:

T.C. Live	30 psf
T.C. Dead	7 psf
B.C. Live	0 psf
B.C. Dead	10 psf
Total	47 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 - 110 mph
 Mean Roof Ht. - 15 ft.
 Exposure Category - C
 Occupancy Factor - 1.00
 MWFRS
 Enclosed

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06010155	01/04/2006		4

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

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

Date Mark

1	01/04/06	1A
---	----------	----

Date Mark

2	01/04/06	2A
---	----------	----

Date Mark

3	01/04/06	3B
---	----------	----

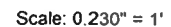
Date Mark

4	01/04/06	4B
---	----------	----

Truss Design Engineer: Philip J. O'Regan
 License #: 58126
 Address: P.O. Box 280055, Tampa, FL 33682



U# J#FUSSEL-J-B Fussel - James & Bertha



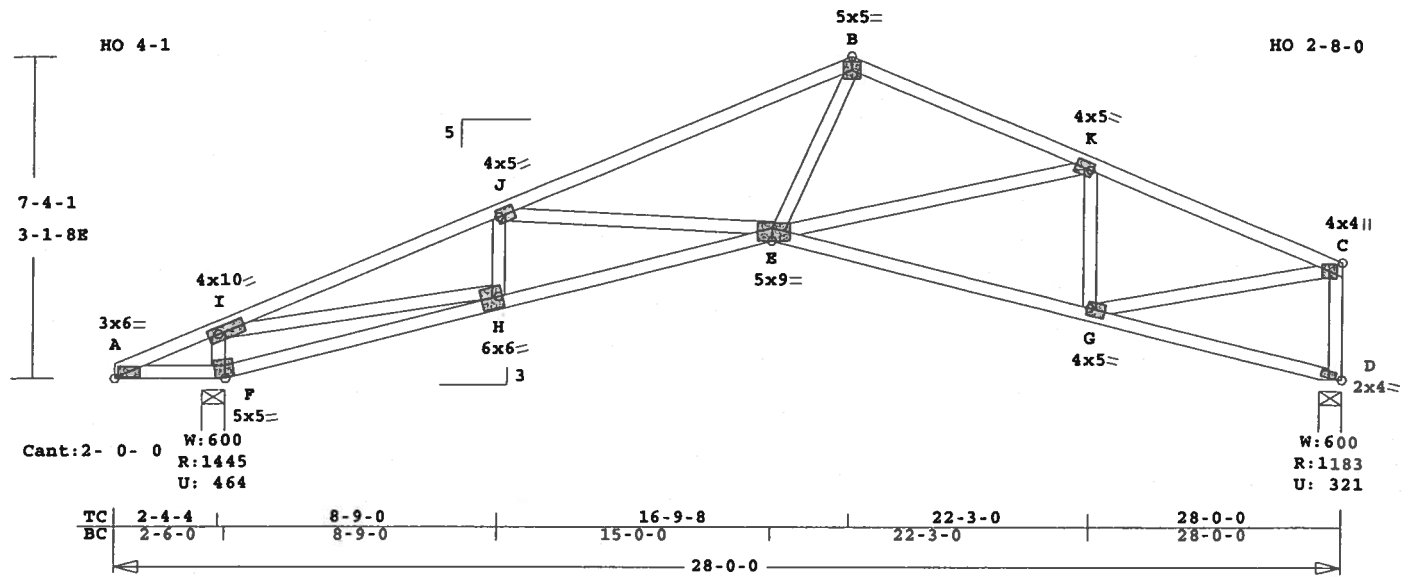
A circular professional engineer seal for Philip J. O'Regan. The outer ring contains the text "PHILIP J. O'REGAN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 58126" is printed. A large, stylized signature is written across the center of the seal, overlapping the license number and the word "FLORIDA".

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	1A	2	DUAL	280000	5	0	0	T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								

Max comp. force 228 Lbs
Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
FUSSEL-J-B	2A	21	SP	280000	5	0	0	T06010155

U# J#FUSSEL-J-B Fussel - James & Bertha



ALL PLATES ARE LOCK20

Scale: 0.230" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 182.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

CSI -Size- ----Lumber-----
TC 0.86 2x 4 SP-#2D
BC 0.54 2x 4 SP-#2D
WB 0.85 2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	28- 0- 0	0- 0- 0
BC Cont.	0- 0- 0	28- 0- 0	0- 0- 0

Loading	Live	Dead	(psf)
TC	30.0	7.0	
BC	0.0	10.0	
Total	30.0	17.0	47.0

Spacing 24.0"
Lumber Duration Factor 1.33
Plate Duration Factor 1.33
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
F	1445	464	6- 0	1- 6
			Hz =	-146
D	1184	321	6- 0	1- 1
			Hz =	156

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - I	0.37	272 T	0.04	0.33
I - J	0.53	2848 C	0.03	0.50
J - B	0.86	2464 C	0.16	0.70
B - K	0.33	1879 C	0.01	0.32
K - C	0.34	1680 C	0.02	0.32
-----Bottom Chords-----				
A - F	0.23	193 C	0.00	0.23
F - H	0.31	207 C	0.00	0.31
H - E	0.54	2718 T	0.40	0.14
E - G	0.34	1612 T	0.23	0.11

G - D	0.23	162 T	0.00	0.23
-----Webs-----				
F - I	0.20	1382 C		
I - H	0.85	2839 T		
H - J	0.06	382 C		
J - E	0.22	366 C		
E - B	0.39	1299 T		
E - K	0.07	199 T		
G - K	0.12	558 C		
G - C	0.48	1595 T		
D - C	0.20	1140 C		

LL Defl	-0.20"	in H - E	L/999
TL Defl	-0.34"	in H - E	L/878
LL Cant	-0.01"	in A - F	L/999
Shear // Grain		in J - B	0.34
Hz Disp	LL	DL	TL
Jt D	0.11"	0.06"	0.18"

Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate - LOCK	20 Ga, <td>Gross Area</td> <td></td>	Gross Area	
Jt Type	Plt Size	X	Y JSI
A LOCK	3.0x 6.0	Ctr	Ctr 0.79
I LOCK	4.0x10.0	0.3	0.1 0.98
J LOCK	4.0x 5.0	Ctr	Ctr 0.65
B LOCK	5.0x 5.0	Ctr	Ctr 0.61
K LOCK	4.0x 5.0	Ctr	Ctr 0.65
C LOCK	4.0x 4.0	Ctr	Ctr 0.71
F LOCK	5.0x 5.0-0.3	2.8	0.57
H LOCK	6.0x 6.0	Ctr	Ctr 0.98
E LOCK	5.0x 9.0	0.5-1.1	0.61
G LOCK	4.0x 5.0	Ctr	Ctr 0.62
D LOCK	2.0x 4.0	Ctr	Ctr 0.56

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:
MIDSTATE ROOF TRUSS
Analysis Conforms To:
FBC2004

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

No wind exposure on right end.

Wind Loads - ANSI / ASCE 7-02

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

Wind Speed: 110 mph

Mean Roof Height: 15'-0"

Exposure Category: C

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

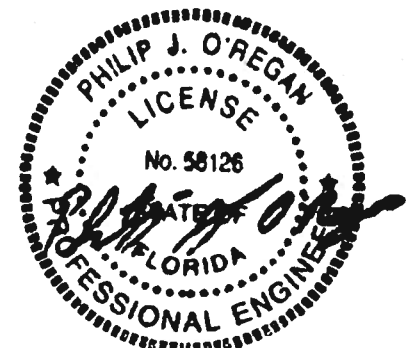
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

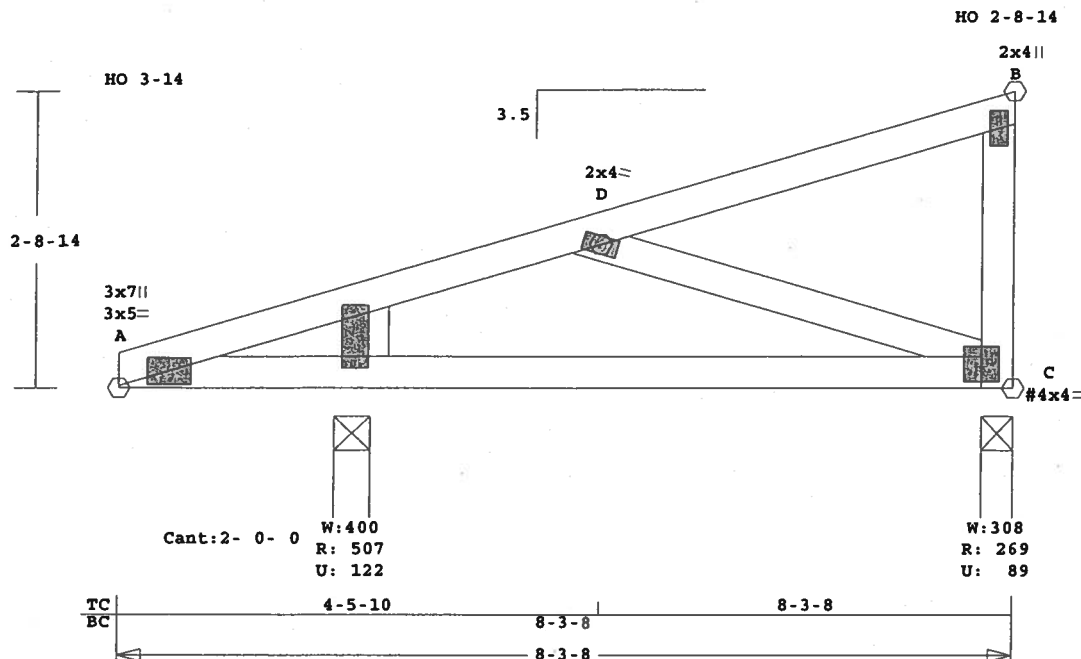
Max comp. force 2848 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Job FUSSEL-J-B	Mark 4B	Quan 21	Type MONO	Span 80308	Pl-H1 3.5	Left OH 0	Right OH 0	Engineering T06010155
U# J#FUSSEL-J-B Fussel - James & Bertha								



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

Scale: 0.566" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 48.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 04-JAN-06

CSI -Size- ----Lumber----
TC 0.22 2x 4 SP-#2D
BC 0.20 2x 4 SP-#2D
WB 0.07 2x 4 SP-#3
WG --- 2x 6 SP-#1

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	8- 3- 8
BC Cont.	0- 0- 0	8- 3- 8

Loading	Live	Dead	(psf)
TC	30.0	7.0	
BC	0.0	10.0	
Total	30.0	17.0	47.0
Spacing			24.0"
Lumber Duration Factor			1.33
Plate Duration Factor			1.33
TC Fb=1.15 Fc=1.10 Ft=1.10			
BC Fb=1.10 Fc=1.10 Ft=1.10			

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	507	122	4- 0	1- 0
			Hz =	-80
C	269	89	3- 8	1- 0
			Hz =	160

Membr CSI P Lbs Axl-CSt-Bnd
-----Top Chords-----
A -D 0.22 291 C 0.00 0.22

D -B 0.18 60 C 0.00 0.18
-----Bottom Chords-----
A -C 0.20 263 T 0.01 0.19
-----Webs-----
D -C 0.07 276 C
C -B 0.06 146 C WindLd
LL Defl -0.03" in A -C L/999
TL Defl -0.05" in A -C L/999
Shear // Grain in D -B 0.18

Plates for each ply each face.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 5.0 Ctr Ctr 0.60
A LOCK 3.0x 7.0 Ctr Ctr 0.00
D LOCK 2.0x 4.0 Ctr Ctr 0.37
B LOCK 2.0x 4.0 Ctr Ctr 0.38
C# LOCK 4.0x 4.0 Ctr 2.7 0.45

= Plate Monitor used

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:
MIDSTATE ROOF TRUSS

Analysis Conforms To:
FBC2004

Design checked for 10 psf non-

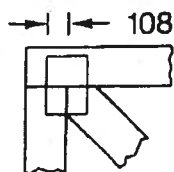
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: C
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 291 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



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

PLATE SIZE

6 x 8

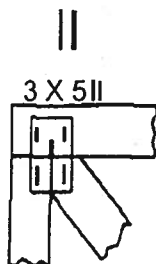
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.



LATERAL BRACING

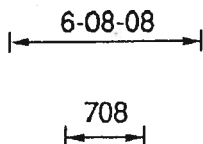
Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

PLATE ORIENTATION



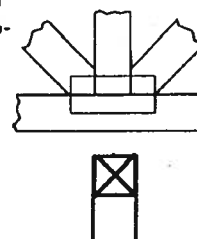
Shown next to plate size, indicates direction of slots in connector plate.

DIMENSIONS



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

BEARING



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

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

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

FURNISH A COPY OF THESE DESIGNS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE TRUSS DESIGN DRAWINGS & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS PLACEMENT DIAGRAM.



Corporate Headquarters

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



Project Summary

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

Project Information

For: James & Bertha Fussell
2167 SW CR 138, Ft. White, FL 32038

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	73 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	56 gr/lb

Heating Summary

Structure	20410 Btuh
Ducts	2041 cfm
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	22451 Btuh

Sensible Cooling Equipment Load Sizing

Structure	15415 Btuh
Ducts	1542 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	16448 Btuh

Infiltration

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	Heating	Cooling
Area (ft²)	1144	1144
Volume (ft³)	9152	9152
Air changes/hour	0.45	0.23
Equiv. AVF (cfm)	69	35

Latent Cooling Equipment Load Sizing

Structure	4135 Btuh
Ducts	1100 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	5235 Btuh
Equipment total load	21683 Btuh
Req. total capacity at 0.80 SHR	1.7 ton

Heating Equipment Summary

Make	Trane
Trade	XL14i Weathertron
Model	4TWX4024A1
Efficiency	7.4 HSPF
Heating input	
Heating output	22400 Btuh @ 47°F
Temperature rise	28 °F
Actual air flow	738 cfm
Air flow factor	0.033 cfm/Btuh
Static pressure	0.00 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Trane
Trade	XL14i Weathertron
Cond	4TWX4024A1
Coil	TWE030C14+4AYTXVH3
Efficiency	13 SEER
Sensible cooling	16800 Btuh
Latent cooling	7200 Btuh
Total cooling	24000 Btuh
Actual air flow	738 cfm
Air flow factor	0.044 cfm/Btuh
Static pressure	0.00 in H2O
Load sensible heat ratio	0.76

Bold/italic values have been manually overridden

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**Short Form
Entire House
Rapture Air, Inc.**

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

Project Information

For: James & Bertha Fussell
2167 SW CR 138, Ft. White, FL 32038

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	73	Construction quality	Average
Design TD (°F)	37	19	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	56		

HEATING EQUIPMENT

Make Trane
Trade XL14i Weathertron
Model 4TWX4024A1

Efficiency 7.4 HSPF
Heating input 22400 Btuh @ 47°F
Temperature rise 28 °F
Actual air flow 738 cfm
Air flow factor 0.033 cfm/Btuh
Static pressure 0.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make Trane
Trade XL14i Weathertron
Cond 4TWX4024A1
Coil TWE030C14+4AYTXVH3

Efficiency 13 SEER
Sensible cooling 16800 Btuh
Latent cooling 7200 Btuh
Total cooling 24000 Btuh
Actual air flow 738 cfm
Air flow factor 0.044 cfm/Btuh
Static pressure 0.00 in H2O
Load sensible heat ratio 0.76

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Bedroom 2	117	3708	2969	122	129
Bath 2	78	742	542	24	24
Den	130	1840	1392	61	61
WIC	33	736	227	24	10
Laundry	33	1270	990	42	43
Livingroom	233	3144	2695	103	117
Diningroom	100	2582	1510	85	66
Kitchen	129	1556	2086	51	91
Master	168	4201	2889	138	126
M Closet	34	44	62	1	3
M Bath	91	2629	1595	86	69

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Entire House	d	1144	22451	16957	738	738
Other equip loads			0	0		
Equip. @ 0.97 RSM				16448		
Latent cooling				5235		
TOTALS		1144	22451	21683	738	738

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Right-J Worksheet

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Entire House					Bedroom 2				
2	Exposed wall					140.0 ft					22.0 ft				
3	Ceiling height					8.0 ft					8.0 ft				
4	Room dimensions					d					9.0 x 13.0 ft				
5	Room area					1144.0 ft²					117.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	352	297	999	706	72	57	192	136	
11	G	10A-b	0.970	n	35.89	16.36	40	0	1443	658	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	15	0	599	421	15	0	599	421	
	W	12C-0sw	0.091	e	3.37	2.38	208	185	623	440	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	8	1	320	525	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	15	1	599	995	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	352	281	946	669	0	0	0	0	
	G	1A-c1ob	1.080	s	39.96	32.27	50	50	1998	1404	0	0	0	0	
	D	11J0	0.600	s	22.20	18.69	21	21	466	392	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	208	193	650	459	104	89	300	212	
	G	1A-c1ob	1.080	w	39.96	69.33	15	1	599	995	15	1	599	995	
	C	16B-30ad	0.032	-	1.18	1.75	1144	1144	1354	2001	117	117	139	205	
F	22A-tpb	1.358	-	50.25	0.00	1144	140	7034	0	117	22	1105	0		
6	c) AED excursion									0				388	
	Envelope loss/gain								17632	9668			2934	2354	
12	a) Infiltration								2778	729			437	115	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @	230	14			3220	1			230
	Less external load					Appliances @	1200	2			1800	0			0
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								20410	15415			3371	2699	
15	Duct loads							10%	10%	2041	1542	10%	10%	337	270
	Total room load									22451	16957			3708	2969
	Air required (cfm)									738	738			122	129

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Right-J Worksheet

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
 Date: 11/25/05
 By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Bath 2				Den				
2	Exposed wall					6.0 ft				10.0 ft				
3	Ceiling height					8.0 ft				8.0 ft				
4	Room dimensions					6.0 x 13.0 ft				10.0 x 13.0 ft				
5	Room area					78.0 ft²				130.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.37	2.38	48	48	162	114	0	0	0	0
11	G	10A-b	0.970	n	35.89	16.38	0	0	0	0	0	0	0	0
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	0	0	0	0
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	80	65	219	155
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	15	15	599	421
	D	11J0	0.600	s	22.20	18.69	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.18	1.75	78	78	92	136	130	130	154	227
F	22A-lph	1.358	-	50.25	0.00	78	6	301	0	130	10	502	0	
6	c) AED excursion									-19				-50
	Envelope loss/gain								555	231			1475	753
12	a) Infiltration								119	31			198	52
	b) Room ventilation								0	0			0	0
13	Internal gains:									230				460
	Occupants @ 230						1			0		2		0
	Appliances @ 1200						0			0		0		0
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								675	493			1673	1265
15	Duct loads						10%	10%	67	49	10%	10%	167	127
	Total room load								742	542			1840	1392
	Air required (cfm)								24	24			61	61

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Right-J Worksheet Entire House Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					WIC					Laundry				
2	Exposed wall					8.0 ft 6.5 ft heat/cool					8.0 ft 11.5 ft heat/cool				
3	Ceiling height					5.0 x 6.5 ft					5.0 x 6.5 ft				
4	Room dimensions					32.5 ft²					32.5 ft²				
5	Room area														
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	0	0	0	0	0	0	0	0	
11	G	10A-b	0.970	n	35.89	18.36	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	40	40	135	95	
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	0	0	0	0	
	D	11J0	0.600	s	22.20	18.89	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	52	52	175	124	52	52	175	124	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	33	33	38	57	33	33	38	57	
F	22A-tph	1.358	-	50.25	0.00	33	7	327	0	33	12	578	0		
6	c) AED excursion									-8				-35	
	Envelope loss/gain									540	172			928	240
12	a) Infiltration									129	34			228	60
	b) Room ventilation									0	0			0	0
13	Internal gains:					Occupants @	230	0			0	0	0		0
	Less external load					Appliances @	1200	0			0	1		600	
	Less transfer									0	0			0	0
	Redistribution									0	0			0	0
14	Subtotal									689	208			1154	900
15	Duct loads							10%	10%	67	21	10%	10%	115	90
	Total room load									736	227			1270	990
	Air required (cfm)									24	10			42	43

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Right-J Worksheet Entire House Rapture Air, Inc.

Job: Fussell, James & Bertha

Date: 11/25/05

By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Livingroom 15.0 ft				Diningroom 9.5 ft					
2	Exposed wall					8.0 ft				8.0 ft					
3	Ceiling height					15.0 x 15.5 ft				9.5 x 10.5 ft					
4	Room dimensions					232.5 ft²				99.8 ft²					
5	Room area														
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	0	0	0	0	76	36	121	85	
11	G	10A-b	0.970	n	35.89	16.36	0	0	0	0	40	0	1443	658	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	120	79	266	188	0	0	0	0	
	G	1A-c1ob	1.080	s	39.96	32.27	20	20	799	561	0	0	0	0	
	D	11J0	0.600	s	22.20	18.69	21	21	466	392	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	233	233	275	407	100	100	118	174	
F	22A-tpb	1.358	-	50.25	0.00	233	15	754	0	100	10	477	0		
6	c) AED excursion									-96				-54	
	Envelope loss/gain								2560	1452			2159	863	
12	a) Infiltration								298	78			189	49	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @	230	4		920	2			460	
	Less external load					Appliances @	1200	0		0	0			0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								2858	2450			2347	1373	
15	Duct loads							10%	10%	288	245	10%	10%	235	137
	Total room load									3144	2695			2582	1510
	Air required (cfm)									103	117			85	66

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Right-J Worksheet

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
 Date: 11/25/05
 By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Kitchen					Master				
2	Exposed wall					13.0 ft					26.0 ft				
3	Ceiling height					8.0 ft 1.0 x 129.0 ft heat/cool					8.0 ft 14.0 x 12.0 ft heat/cool				
4	Room dimensions					129.0 ft²					168.0 ft²				
5	Room area														
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	104	104	350	247	0	0	0	0	
11	G	10A-b	0.970	n	35.89	18.36	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	96	81	273	193	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	15	1	599	995	
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	112	97	327	231	
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	15	15	599	421	
	D	11J0	0.600	s	22.20	18.69	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	129	129	153	226	168	168	199	294	
F	22A-tph	1.358	-	50.25	0.00	129	13	653	0	168	26	1306	0		
6	c) AED excursion									-75				-103	
	Envelope loss/gain								1156	398			3303	2031	
12	a) Infiltration								258	68			516	135	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @ 230	1			230	2			460	
	Less external load					Appliances @ 1200	1			1200	0			0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								1414	1896			3819	2626	
15	Duct loads						10%	10%	141	190	10%	10%	382	263	
	Total room load								1556	2086			4201	2889	
	Air required (cfm)								51	91			138	126	

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Right-J Worksheet

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
 Date: 11/25/05
 By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name						M Closet				M Bath			
2	Exposed wall						0.0 ft				20.5 ft			
3	Ceiling height						heat/cool				heat/cool			
4	Room dimensions						8.0 ft 7.5 x 4.5 ft				8.0 ft 6.5 x 14.0 ft			
5	Room area						33.8 ft²				91.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	n	3.37	2.38	0	0	0	0	52	52	175	124
11	G	10A-b	0.970	n	35.89	16.36	0	0	0	0	0	0	0	0
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	112	104	350	247
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	8	1	320	525
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	0	0	0	0
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	0	0	0	0
	D	11J0	0.600	s	22.20	18.69	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.18	1.75	34	34	40	59	91	91	108	159
F	22A-1ph	1.358	-	50.25	0.00	34	0	0	0	91	21	1030	0	

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Project Summary

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

Project Information

For: James & Bertha Fussell
2167 SW CR 138, Ft. White, FL 32038

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	73 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	56 gr/lb

Heating Summary

Structure	20410 Btuh
Ducts	2041 cfm
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	22451 Btuh

Sensible Cooling Equipment Load Sizing

Structure	15415 Btuh
Ducts	1542 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	16448 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1144	1144
Volume (ft³)	9152	9152
Air changes/hour	0.45	0.23
Equiv. AVF (cfm)	69	35

Latent Cooling Equipment Load Sizing

Structure	4135 Btuh
Ducts	1100 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	5235 Btuh
Equipment total load	21683 Btuh
Req. total capacity at 0.80 SHR	1.7 ton

Heating Equipment Summary

Make Trane
Trade XL14i Weathertron
Model 4TWTX4024A1

Efficiency	7.4 HSPF
Heating input	
Heating output	22400 Btuh @ 47°F
Temperature rise	28 °F
Actual air flow	738 cfm
Air flow factor	0.033 cfm/Btuh
Static pressure	0.00 in H2O
Space thermostat	

Cooling Equipment Summary

Make Trane
Trade XL14i Weathertron
Cond 4TWTX4024A1
Coil TWE030C14+4AYTXVH3

Efficiency	13 SEER
Sensible cooling	16800 Btuh
Latent cooling	7200 Btuh
Total cooling	24000 Btuh
Actual air flow	738 cfm
Air flow factor	0.044 cfm/Btuh
Static pressure	0.00 in H2O
Load sensible heat ratio	0.76

Bold/italic values have been manually overridden

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**Short Form
Entire House
Rapture Air, Inc.**

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

Project Information

For: James & Bertha Fussell
2167 SW CR 138, Ft. White, FL 32038

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	73	Construction quality	Average
Design TD (°F)	37	19	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	56		

HEATING EQUIPMENT

Make Trane
Trade XL14i Weathertron
Model 4TWX4024A1

Efficiency 7.4 HSPF
Heating input 22400 Btuh @ 47°F
Temperature rise 28 °F
Actual air flow 738 cfm
Air flow factor 0.033 cfm/Btuh
Static pressure 0.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make Trane
Trade XL14i Weathertron
Cond 4TWX4024A1
Coil TWE030C14+4AYTXVH3
Efficiency 13 SEER
Sensible cooling 16800 Btuh
Latent cooling 7200 Btuh
Total cooling 24000 Btuh
Actual air flow 738 cfm
Air flow factor 0.044 cfm/Btuh
Static pressure 0.00 in H2O
Load sensible heat ratio 0.76

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Bedroom 2	117	3708	2969	122	129
Bath 2	78	742	542	24	24
Den	130	1840	1392	61	61
WIC	33	736	227	24	10
Laundry	33	1270	990	42	43
Livingroom	233	3144	2695	103	117
Diningroom	100	2582	1510	85	66
Kitchen	129	1556	2086	51	91
Master	168	4201	2889	138	126
M Closet	34	44	62	1	3
M Bath	91	2629	1595	86	69

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Entire House	d	1144	22451	16957	738	738
Other equip loads			0	0		
Equip. @ 0.97 RSM				16448		
Latent cooling				5235		
TOTALS		1144	22451	21683	738	738

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Right-J Worksheet

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Entire House				Bedroom 2					
2	Exposed wall					140.0 ft				22.0 ft					
3	Ceiling height					8.0 ft				8.0 ft					
4	Room dimensions					1144.0 ft²				117.0 ft²					
5	Room area					1144.0 ft²				117.0 ft²					
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	352	297	999	708	72	57	192	136	
11	G	10A-b	0.970	n	35.89	16.36	40	0	1443	858	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	15	0	599	421	15	0	599	421	
	W	12C-0sw	0.091	e	3.37	2.38	208	185	623	440	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	8	1	320	525	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	15	1	599	995	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	352	281	946	669	0	0	0	0	
	G	1A-c1ob	1.080	s	39.96	32.27	50	50	1998	1404	0	0	0	0	
	D	11J0	0.600	s	22.20	18.69	21	21	466	392	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	208	193	650	459	104	89	300	212	
	G	1A-c1ob	1.080	w	39.96	69.33	15	1	599	995	15	1	599	995	
	C	16B-30ad	0.032	-	1.18	1.75	1144	1144	1354	2001	117	117	139	205	
F	22A-tpb	1.358	-	50.25	0.00	1144	140	7034	0	117	22	1105	0		
6	c) AED excursion									0				386	
	Envelope loss/gain								17632	9666			2934	2354	
12	a) Infiltration								2778	729			437	115	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @	230	14			3220	1			230
	Less external load					Appliances @	1200	2			1800	0			0
	Less transfer								0	0			0	0	0
	Redistribution								0	0			0	0	0
14	Subtotal								20410	15415			3371	2699	
15	Duct loads							10%	10%	2041	1542	10%	10%	337	270
	Total room load									22451	16957			3708	2969
	Air required (cfm)									738	738			122	129

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Right-J Worksheet Entire House Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Bath 2					Den				
2	Exposed wall					6.0 ft					10.0 ft				
3	Ceiling height					heat/cool					heat/cool				
4	Room dimensions					8.0 ft 6.0 x 13.0 ft					8.0 ft 10.0 x 13.0 ft				
5	Room area					78.0 ft²					130.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	48	48	162	114	0	0	0	0	
11	G	10A-b	0.970	n	35.89	16.36	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	80	65	219	155	
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	15	15	599	421	
	D	11J0	0.600	s	22.20	18.69	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	78	78	92	136	130	130	154	227	
F	22A-tpb	1.358	-	50.25	0.00	78	6	301	0	130	10	502	0		
6	c) AED excursion									-19				-50	
	Envelope loss/gain								555	231			1475	753	
12	a) Infiltration								119	31			198	52	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @	230	1		230	2			460	
	Less external load					Appliances @	1200	0		0	0			0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								675	493			1673	1265	
15	Duct loads							10%	10%	67	49	10%	10%	167	127
	Total room load									742	542			1840	1392
	Air required (cfm)									24	24			61	61

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Right-J Worksheet Entire House Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					WIC 8.0 ft 6.5 ft heat/cool 32.5 ft² x 6.5 ft					Laundry 11.5 ft heat/cool 8.0 ft 5.0 x 6.5 ft 32.5 ft² x 6.5 ft				
2	Exposed wall														
3	Ceiling height														
4	Room dimensions														
5	Room area														
	Ty	Construction number	U-value (Btu/h/ft²·°F)	Or	HTM (Btu/h/ft²)		Area (ft²) or perimeter (ft)		Load (Btu/h)		Area (ft²) or perimeter (ft)		Load (Btu/h)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	0	0	0	0	0	0	0	0	
11	G	10A-b	0.970	n	35.89	16.36	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	40	40	135	95	
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	0	0	0	0	
	D	11J0	0.600	s	22.20	18.69	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	52	52	175	124	52	52	175	124	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	33	33	38	57	33	33	38	57	
F	22A-tpb	1.358	-	50.25	0.00	33	7	327	0	33	12	578	0		
6 c) AED excursion										-8			-35		
Envelope loss/gain									540	172			926	240	
12 a) Infiltration									129	34			228	60	
b) Room ventilation									0	0			0	0	
13 Internal gains:							0			0	0			0	
Occupants @ 230							0				1			600	
Appliances @ 1200														0	
Less external load									0	0			0	0	
Less transfer									0	0			0	0	
Redistribution									0	0			0	0	
14 Subtotal									669	206			1154	900	
15 Duct loads							10%	10%	67	21	10%	10%	115	90	
Total room load									736	227			1270	990	
Air required (cfm)									24	10			42	43	

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Right-J Worksheet Entire House Rapture Air, Inc.

Job: Fussell, James & Bertha

Date: 11/25/05

By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Livingroom					Diningroom				
2	Exposed wall					15.0 ft					9.5 ft				
3	Ceiling height					8.0 ft					8.0 ft				
4	Room dimensions					15.0 x 15.5 ft					9.5 x 10.5 ft				
5	Room area					232.5 ft²					99.8 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	0	0	0	0	76	36	121	85	
11	G	10A-b	0.970	n	35.89	16.36	0	0	0	0	40	0	1443	658	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	120	79	266	188	0	0	0	0	
	G	1A-c1ob	1.080	s	39.96	32.27	20	20	799	561	0	0	0	0	
	D	11J0	0.600	s	22.20	18.69	21	21	466	392	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	233	233	275	407	100	100	118	174	
F	22A-tph	1.358	-	50.25	0.00	233	15	754	0	100	10	477	0		

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Right-J Worksheet Entire House Rapture Air, Inc.

Job: Fussell, James & Bertha

Date: 11/25/05

By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					Kitchen 13.0 ft					Master 26.0 ft				
2	Exposed wall					8.0 ft 1.0 x 129.0 ft heat/cool					8.0 ft 14.0 x 12.0 ft heat/cool				
3	Ceiling height														
4	Room dimensions														
5	Room area					129.0 ft²					168.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²-F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	104	104	350	247	0	0	0	0	
11	G	10A-b	0.970	n	35.89	16.36	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	96	81	273	193	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	15	1	599	995	
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	112	97	327	231	
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	15	15	599	421	
	D	11J0	0.600	s	22.20	18.69	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	129	129	153	226	168	168	199	294	
F	22A-tpb	1.358	-	50.25	0.00	129	13	653	0	168	26	1306	0		
6	c) AED excursion									-75				-103	
	Envelope loss/gain								1156	398			3303	2031	
12	a) Infiltration								258	68			516	135	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230					1				230	2			460	
	Appliances @ 1200					1				1200	0			0	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								1414	1896			3819	2826	
15	Duct loads							10%	10%	141	190	10%	10%	382	263
	Total room load									1556	2088			4201	2889
	Air required (cfm)									61	91			138	126

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Right-J Worksheet

Entire House

Rapture Air, Inc.

Job: Fussell, James & Bertha
Date: 11/25/05
By: Nick

P.O. Box 1326, Mount Dora, FL 32756 Phone: 352-735-6611 Fax: 352-589-5621 Email: raptureair@usa2net.net

1	Room name					M Closet					M Bath				
2	Exposed wall					0.0 ft					20.5 ft				
3	Ceiling height					8.0 ft					8.0 ft				
4	Room dimensions					7.5 x 4.5 ft					6.5 x 14.0 ft				
5	Room area					33.8 ft²					91.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12C-0sw	0.091	n	3.37	2.38	0	0	0	0	52	52	175	124	
11	G	10A-b	0.970	n	35.89	16.36	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	n	39.96	28.07	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.37	2.38	0	0	0	0	112	104	350	247	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	8	1	320	525	
	G	1A-c1ob	1.080	e	39.96	69.33	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	s	39.96	32.27	0	0	0	0	0	0	0	0	
	D	11J0	0.600	s	22.20	18.69	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.37	2.38	0	0	0	0	0	0	0	0	
	G	1A-c1ob	1.080	w	39.96	69.33	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.18	1.75	34	34	40	59	91	91	108	159	
F	22A-tph	1.358	-	50.25	0.00	34	0	0	0	91	21	1030	0		
6	c) AED excursion									-2				58	
	Envelope loss/gain								40	57			1983	1113	
12	a) Infiltration								0	0			407	107	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @	230	0		0	1			230	
	Less external load					Appliances @	1200	0		0	0			0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								40	57			2390	1450	
15	Duct loads							10%	10%	4	6	10%	10%	239	145
	Total room load									44	62			2629	1595
	Air required (cfm)									1	3			86	69

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NORTH FLORIDA WATER SYSTEMS, INC.

11814 NW 202 STREET
ALACHUA, FLORIDA 32615

(386) 462-PUMP (7867)
(386) 454-PUMP (7867)

PHONE

352-383-0696/328-4658/56

DATE

10/12/05

NAME

JAMES Fussell

ADDRESS

2167 SW OR 138

Fairview Estates #33

FT white 32038

QTY.	DESCRIPTION	PRICE	AMOUNT
	Well 65'		
	Casing 54'		
	pump setting 50'		
	Water level 33'		
	4" well, 1hp Stainless pump,		
	90 gallon well-mate tank		2800 00
1	UV-Flow Filter		95 00
	12 month full warranty on		
	System, 5yr on tank, Excludes		
	freeze & AWT		
	Thank you Call anytime		
	454-7867 (pump)		
	Appr. 288354		
RECEIVED BY		TAX	
		TOTAL	2895 00

5% INTEREST WILL BE CHARGED
AFTER 30 DAYS.

THANK YOU

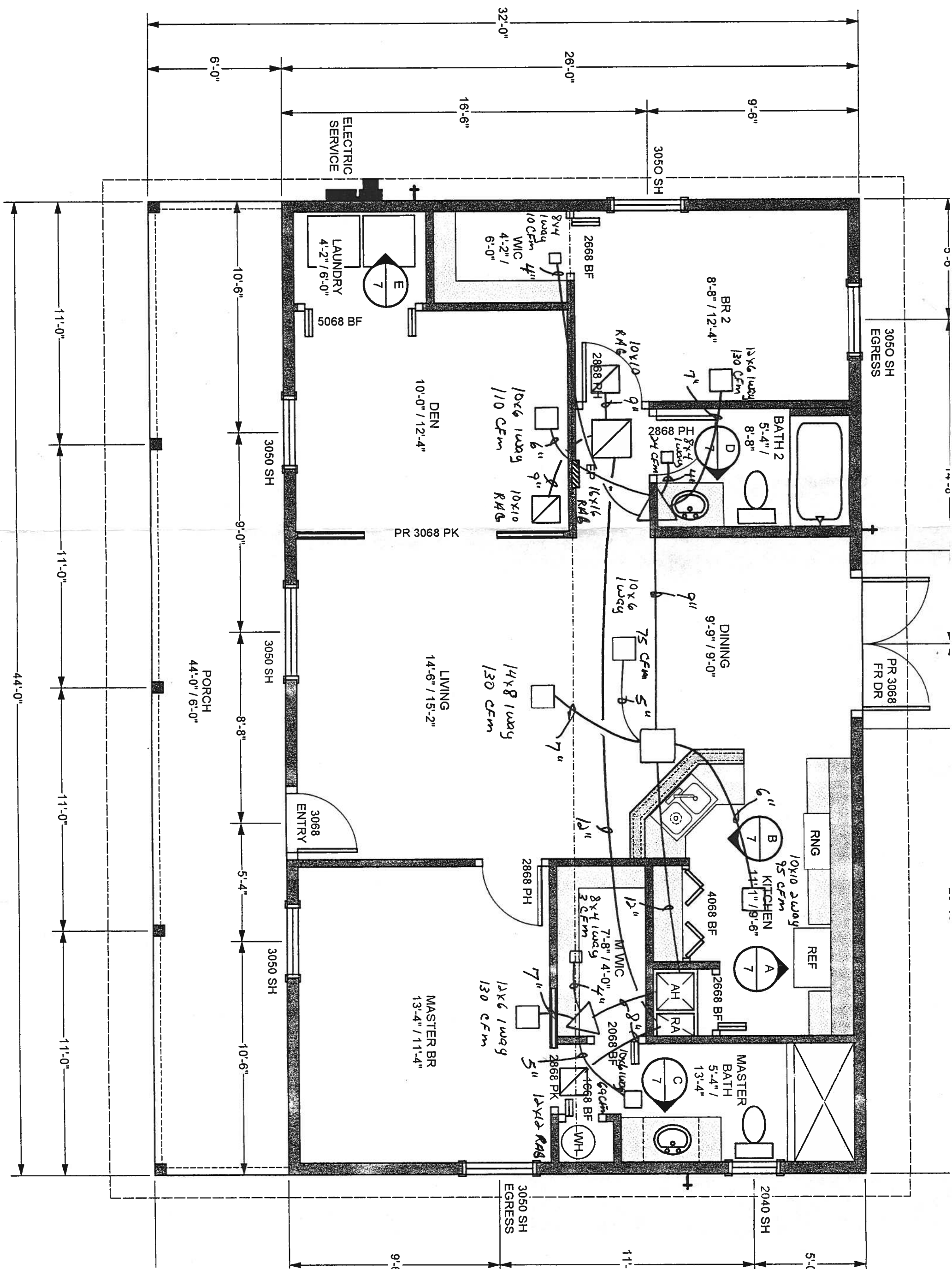
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