

DATE 11/18/2004

# Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022514

APPLICANT JD HARRINGTON PHONE 386 462-5323  
ADDRESS 12523 US HIGHWAY 441 ALACHUA FL 32615  
OWNER DELORES BARNETT PHONE  
ADDRESS 509 SW DURANT STREET FT. WHITE FL 32038  
CONTRACTOR HOMES BY HOUSECRAFT PHONE 386 462-5323  
LOCATION OF PROPERTY 47S, TL ON 27, TL ON SW DURANT STREET, TO THE END ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 79450.00  
HEATED FLOOR AREA 1589.00 TOTAL AREA 1964.00 HEIGHT .00 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB  
LAND USE & ZONING FT. WHITE MAX. HEIGHT 16  
Minimum Set Back Requirments: STREET-FRONT REAR SIDE  
NO. EX.D.U. 0 FLOOD ZONE FW DEVELOPMENT PERMIT NO.

PARCEL ID 34-6S-16-14330-206 SUBDIVISION FT. WHITE MANOR  
LOT 5 BLOCK PHASE UNIT TOTAL ACRES .60

000000453 N CGC038861  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
CULVERT PERMIT 04-0952-N BK JK Y  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1074

## FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 400.00 CERTIFICATION FEE \$ 9.82 SURCHARGE FEE \$ 9.82  
MISC. FEES \$ .00 ZONING CERT. FEE \$ fw FIRE FEE \$ WASTE FEE \$  
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 444.64  
INSPECTORS OFFICE CLERKS OFFICE

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

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

### This Permit Must Be Prominently Posted on Premises During Construction

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

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



## Columbia County Building Permit Application

For Office Use Only Application # 0409-27 Date Received 9/15/04 By GT Permit # 453/22514  
 Application Approved by - Zoning Official \_\_\_\_\_ Date \_\_\_\_\_ Plans Examiner \_\_\_\_\_ Date \_\_\_\_\_  
 Flood Zone \_\_\_\_\_ Development Permit \_\_\_\_\_ Zoning \_\_\_\_\_ Land Use Plan Map Category \_\_\_\_\_  
 Comments \_\_\_\_\_

Letter F.F. White EH / NOC

Applicants Name PAT Shadel Ford ~~Delores Barnett~~ Homes by House Craft Phone 386-462-5323  
 Address P.O. Box 350794 ~~Palm Coast FL 32135~~ 12523 US HWY 441 ALACHUA FL 32615  
 Owners Name Delores Barnett Phone \_\_\_\_\_  
 911 Address 509 SW Durant St Fort White, FL 32038  
 Contractors Name Homes by House Craft LLC Phone 386-462-5323  
 Address 12523 US HWY 441 ALACHUA FL 32615  
 Fee Simple Owner Name & Address Delores Barnett  
 Bonding Co. Name & Address \_\_\_\_\_  
 Architect/Engineer Name & Address Wayland Strat Engin. 8200 SW 16th Plce GAINESVILLE  
 Mortgage Lenders Name & Address \_\_\_\_\_

Property ID Number 00-00-00-14330-206 Estimated Cost of Construction \_\_\_\_\_  
 Subdivision Name Ft. White Manor Lot 5 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
 Driving Directions 47 South Left on 27 Left on SW Durant St.  
(in Fort white) to end on left

Type of Construction MASONARY Number of Existing Dwellings on Property 0  
 Total Acreage .6 Lot Size \_\_\_\_\_ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive  
 Actual Distance of Structure from Property Lines - Front 150 Side 80 Side 60 Rear 50  
 Total Building Height 16' Number of Stories 1 Heated Floor Area 1572 Roof Pitch 6/12

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

John D. Harrington  
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 2nd day of Sept

Personally known \_\_\_\_\_ or Produced Identification \_\_\_\_\_



John D. Harrington  
 Contractor Signature  
 Contractors License Number C6C 038861  
 Competency Card Number \_\_\_\_\_

NOTARY STAMP/SEAL

Jessica R. Praley  
 Notary Signature



Prepared by and Return to:  
Deborah Bissell, an employee of  
First American Title Insurance Company  
23335 NW County Road 236, Suite 10  
High Springs, Florida 32643  
(386) 454-2727

Inst:2004020655 Date:09/09/2004 Time:14:58

mk DC, P. DeWitt Cason, Columbia County B:1025 P:1564

✓  
262  
1810  
Rec'd Return TO: Homes by House Craft  
12523 NW US Hwy. 441  
Alachua, FL  
32615.

### **NOTICE OF COMMENCEMENT**

State of **Florida**

County of **Alachua**

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

1. Description of Property: **Lot 6 Durant Street, Vct. Land Tax ID R14330-206 Fort White, Florida 32038**

**Lot 6 of FORT WHITE MANOR REPLAT OF LOTS 4, 5, 6 AND 7, according to the Plat thereof as recorded in Plat Book 6, Page(s) 94, of the Public Records of Columbia County, Florida.**

Parcel I.D.: **R14330-206**

2. General Description of Improvements: **single family dwelling**

3. Owner Information: **Dolores C. Barnett**

a. Interest in property: **Fee Simple**

4. Contractor: **John D. Harrington**  
**12523 NW US Hwy. 441, Alachua, FL 32615**

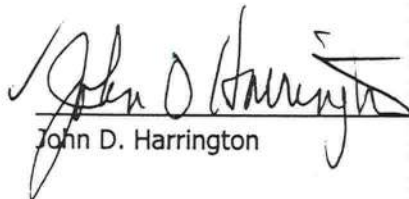
5. Surety:

6. Lender Information: **Carolina First Bank/Mercantile Bank**  
**151 Corley Mill Road, Lexington, SC 29072**

7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(A)7: Florida Statutes: None

8. In addition to himself, owner(s) designates: To receive a copy of lienor's notice as provided in Section 713.13(1)(B), Florida Statutes

9. Expiration of Date of Notice of Commencement (The Expiration date is (1) year from the date of recording unless a different date is specified). Other expiration date: **08/30/05**

  
John D. Harrington

# COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. \* P. O. Box 2949 \* Lake City, FL 32056-2949  
PHONE: (386) 752-8787 \* FAX: (386) 758-1365 \* Email: ron\_croft@columbiacountyfla.com

## Addressing Maintenance

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

**DATE ISSUED:** September 15, 2004

**ENHANCED 9-1-1 ADDRESS:**

509 SW DURANT ST (FORT WHITE, FL 32038)

**Addressed Location 911 Phone Number:** NOT AVAIL.

**OCCUPANT NAME:** NOT AVAIL.

**OCCUPANT CURRENT MAILING ADDRESS:** \_\_\_\_\_

**PROPERTY APPRAISER MAP SHEET NUMBER:** 53D

**PROPERTY APPRAISER PARCEL NUMBER:** 00-00-00-14330-206

**Other Contact Phone Number (If any):** \_\_\_\_\_

**Building Permit Number (If known):** \_\_\_\_\_

**Remarks:** LOT 6 FORT WHITE MANOR REPLAT

Address Issued By: \_\_\_\_\_

Columbia County 9-1-1 Addressing Department

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



**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT**

# Town of Fort White

Post Office Box 129 ♦ Fort White, Florida 32038-0129 ♦ 386-497-2321 ♦ FAX 386-497-4946

## CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort  
White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Delores Barnett

ADDRESS: 509 S.W. DURANT ST Fort White, FL 32038

PROPERTY DESCRIPTION: R14330-206  
(parcel number if possible)

DEVELOPMENT: Fort White Manor /Single Family Development

You are hereby authorized to issue the appropriate building permits.

OCTOBER 7, 2004  
DATE

  
LAND DEVELOPMENT REGULATION  
ADMINISTRATOR  
TOWN OF FORT WHITE

Equal Opportunity Employer

10.50  
63.00Inst: 2003025939 Date: 12/02/2003 Time: 16:31  
Doc Stamp-Deed: 63.00

DC, P. DeWitt Cason, Columbia County B:1001 P:546

Prepared by  
Deborah Bissell, an employee of  
First American Title Insurance Company  
1025-3 North Main Street  
High Springs, Florida 32643  
(386) 454-2727

Return to: Grantee

File No.: 1095-372686

**WARRANTY DEED**Made this NOVEMBER 19 of 20 03 by and between**Emmareeta Clark, an unmarried widow**whose address is: **1768 Mcleod Road, Defuniak Springs, FL 32435**  
hereinafter called the "grantor", to**Dolores C. Barnett, a single woman**whose post office address is: **P.O. Box 350794, Palm Coast, FL 32135-0794**  
hereinafter called the "grantee":

(Which terms "Grantor" and "Grantee" shall include singular or plural, corporation or individual, and either sex, and shall include heirs, legal representatives, successors and assigns of the same)

**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**, to-wit:

**Lot 6 of FORT WHITE MANOR REPLAT OF LOTS 4, 5, 6 AND 7, according to the Plat thereof as recorded in Plat Book 6, Page(s) 94, of the Public Records of Columbia County, Florida.**

Parcel Identification Number: **R14330-206**

**Subject** to all reservations, covenants, conditions, restrictions and easements of record and to all applicable zoning ordinances and/or restrictions imposed by governmental authorities, if any.

**Together** with all the tenements, hereditaments and appurtenances thereto belonging or in any way 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 31st of 2002.

In Witness Whereof, the grantor has hereunto set their hand(s) and seal(s) the day and year first above written.

Emmareeta Clark  
Emmareeta Clark

Signed, sealed and delivered in the presence of these witnesses:

Christina A. Blanton  
Witness Signature

Print Name: Vonnette A. Griffith

Christina A. Blanton  
Witness Signature

Print Name: Christina H. Blanton

State of Florida

County of Walton

The foregoing instrument was acknowledged before me on Nov 19, 2003, by Emmareeta Clark, a widow who is/are personally known to me or who has/have produced Florida DL as identification.

#C462-202-21-798-0

Christina A. Blanton  
NOTARY PUBLIC

Vonnette A. Griffith

Notary Print Name

My Commission Expires: 09-07-2006





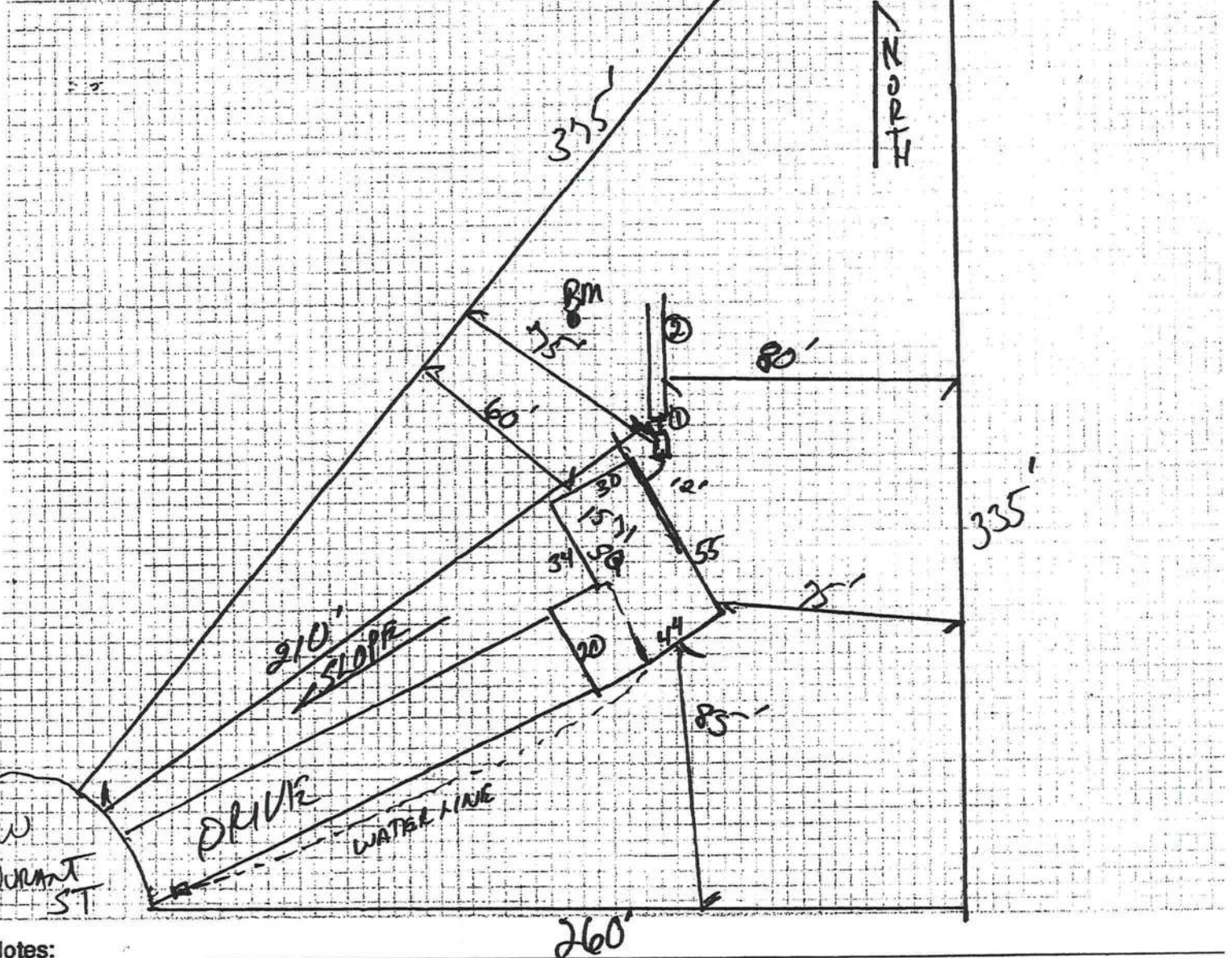
DEPARTMENT OF HEALTH  
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

45

PART II - SITE PLAN

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



Notes:

Site Plan submitted by: Roch D F Signature

Master Contractor Title

Plan Approved \_\_\_\_\_ Not Approved \_\_\_\_\_ Date \_\_\_\_\_

By \_\_\_\_\_ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

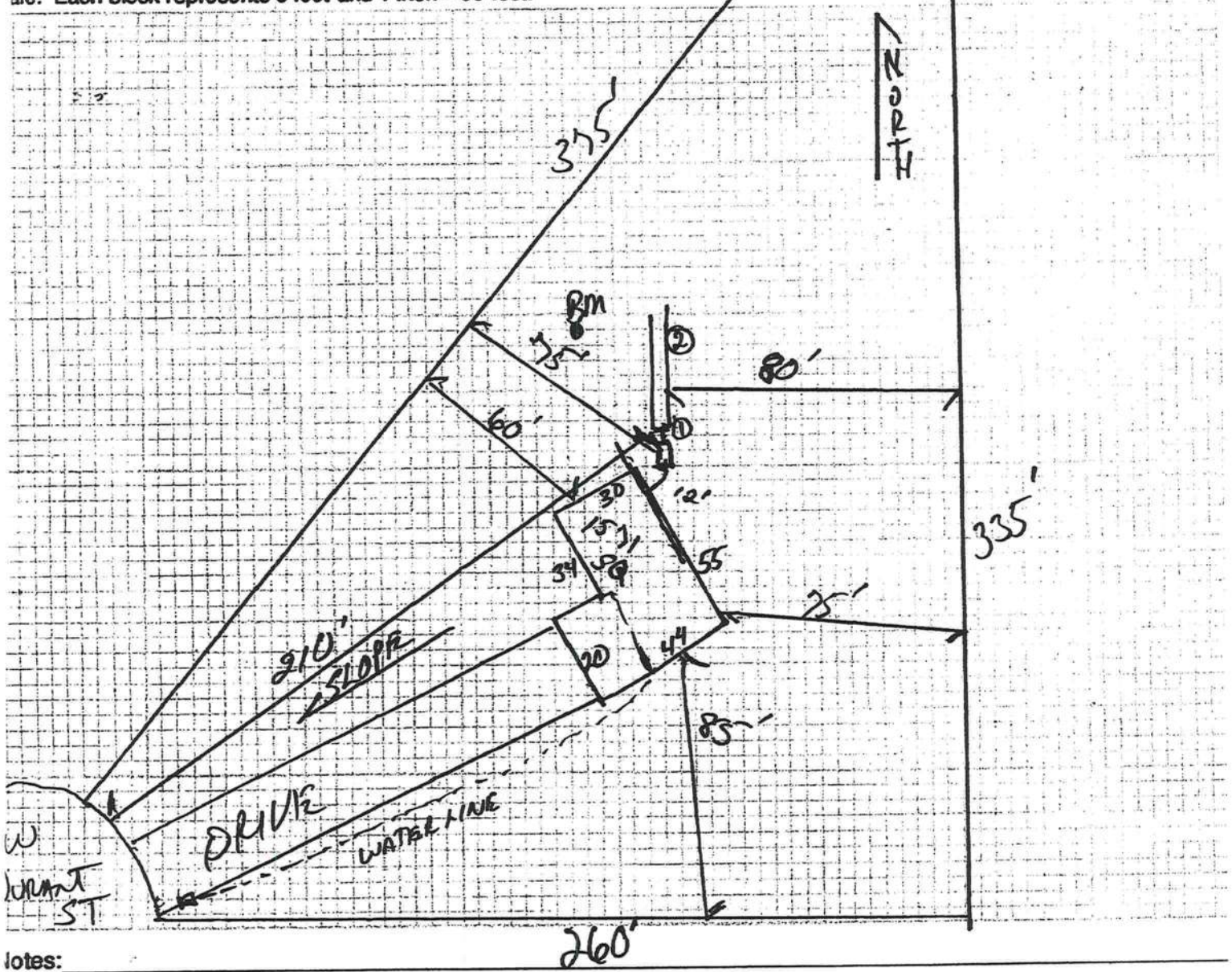


DEPARTMENT OF HEALTH  
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 451

PART II - SITE PLAN

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



Notes: \_\_\_\_\_

Site Plan submitted by: Rocky D F-O Signature \_\_\_\_\_ Title \_\_\_\_\_

Plan Approved \_\_\_\_\_ Not Approved \_\_\_\_\_ Date \_\_\_\_\_

By \_\_\_\_\_ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



*Barnett*  
*HVAC Load Calculations*

for

Homes By House Craft  
12523 NW Hwy 441  
Alachua, Fla. 32615



**RHVAC RESIDENTIAL  
HVAC LOADS**

Prepared By:  
Chuck Fischer  
North Central Florida Air Conditioning  
P.O Box 700  
High Springs FL 32655-0700  
386-454-4767  
Tuesday, July 13, 2004



## Project Report

### General Project Information

Project Filename: C:\Elite\Rhvacw\Projects\Barnett.rhv  
Project Title: Barnett  
Designed By: Dennis Swilley  
Project Date: Tuesday, July 13, 2004  
Client Name: Homes By House Craft  
Client Address: 12523 NW Hwy 441  
Client City: Alachua, Fla. 32615  
Client Phone: 386-462-5323  
Client Fax: 386-462-1509  
Company Name: North Central Florida Air Conditioning  
Company Representative: Chuck Fischer  
Company Address: P.O Box 700  
Company City: High Springs FL 32655-0700  
Company Phone: 386-454-4767  
Company Fax: 386-454-4854  
Company Comment:

### Design Data

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

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

### Check Figures

Total Building Supply CFM:	1,158	CFM Per Square ft.:	0.729
Square ft. of Room Area:	1,589	Square ft. Per Ton:	579
Volume (ft³) of Cond. Space:	15,067	Air Turnover Rate (per hour):	4.6

### Building Loads

Total Heating Required With Outside Air:	46,231 Btuh	46.231 MBH
Total Sensible Gain:	25,341 Btuh	85 %
Total Latent Gain:	4,549 Btuh	15 %
Total Cooling Required With Outside Air:	29,890 Btuh	2.49 Tons (Based On Sensible + Latent)
		2.74 Tons (Based On 77% Sensible Capacity)

### Notes

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





## Miscellaneous Report

System 1 Main Floor Input Data	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	31	0	50	72	38.42
Summer:	93	77	50	75	50.06

### Duct Sizing Inputs

	Main Trunk	Runouts
Calculate:	Yes	Yes
Use Schedule:	No	No
Roughness Factor:	0.00300	0.01000
Pressure Drop:	0.1000 in.wg./100 ft.	0.1000 in.wg./100 ft.
Minimum Velocity:	650 ft./min	450 ft./min
Maximum Velocity:	900 ft./min	750 ft./min
Minimum Height:	0 in.	0 in.
Maximum Height:	0 in.	0 in.

### Outside Air Data

	Winter	Summer
Infiltration:	0.900 AC/hr	0.400 AC/hr
Volume of Conditioned Space:	X 15067 Cu.ft.	X 15067 Cu.ft.
	13,560 Cu.ft./hr	6,027 Cu.ft./hr
	X 0.0167	X 0.0167
Total Building Infiltration:	226 CFM	100 CFM
Total Building Ventilation:	0 CFM	0 CFM

### —System 1—

Infiltration & Ventilation Sensible Gain Multiplier:	19.69	= (1.10 X 0.995 X 18.00 Summer Temp. Difference)
Infiltration & Ventilation Latent Gain Multiplier:	33.85	= (0.68 X 0.995 X 50.06 Grains Difference)
Infiltration & Ventilation Sensible Loss Multiplier:	44.85	= (1.10 X 0.995 X 41.00 Winter Temp. Difference)



## Load Preview Report

Scope	Area	Sens Gain	Lat Gain	Net Gain	Sens Loss	Win CFM	Sum CFM	Sys CFM	Duct Size
Building: 2.49 Net Tons, 2.74 Recommended Tons, 579 ft. <sup>2</sup> /Ton, 46.23 MBH Heating									
Building	1,589	25,341	4,549	29,890	46,231	604	1,158	1,158	
System 1: 2.49 Net Tons, 2.74 Recommended Tons, 579 ft. <sup>2</sup> /Ton, 46.23 MBH Heating									
System 1	1,589	25,341	4,549	29,890	46,231	604	1,158	1,158	15x15
Zone 1	1,589	25,341	4,549	29,890	46,231	604	1,158	1,158	
1-Laundry	60	1,171	230	1,401	2,797	37	54	54	1-4
2-W. I. C.	66	1,062	244	1,306	2,800	37	49	49	1-4
3-Master Bedroom	209	3,882	682	4,564	3,659	48	177	177	2-6
4-Master Bath	135	1,705	337	2,042	4,218	55	78	78	1-5
5-Dining Room	163	2,722	463	3,185	6,240	81	124	124	1-7
6-Kitchen	156	2,731	348	3,079	1,423	19	125	125	1-7
7-Great Room	271	3,790	667	4,457	8,954	117	173	173	2-5
8-Bedroom 2	176	2,564	840	3,404	4,927	64	117	117	1-6
9-Bath 2	54	923	86	1,009	1,162	15	42	42	1-4
10-Media Room	155	2,047	430	2,477	5,599	73	94	94	1-6
11-Covered Porch	132	2,314	222	2,536	4,375	57	106	106	2-4
12-Bath Hall	12	430	0	430	77	1	20	20	1-3





## Total Building Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, medium color blinds at 45° with 25% coverage	200.4	5,340	0	4,853	4,853
10B-b: Glazing-French door, double pane clear glass, metal frame with break, ground reflectance = 0.23, medium color blinds at 45° with 25% coverage	34	1,046	0	673	673
10B-b: Glazing-French door, double pane clear glass, metal frame with break, ground reflectance = 0.32, medium color blinds at 45° with 25% coverage	34	1,046	0	661	661
11P: Door-Polyurethane Core	40.8	486	0	344	344
13A-5ocs: Wall-Block, board insulation only, R-5 board insulation, open core, siding finish	1586.8	8,132	0	3,630	3,630
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1588.5	2,086	0	2,187	2,187
22A-pm: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy dry or light wet soil	212	10,254	0	0	0
Subtotals for structure:		28,390	0	12,348	12,348
People:	5		1,150	1,500	2,650
Equipment:			0	1,200	1,200
Lighting:	1200			4,092	4,092
Ductwork:		7,705	0	4,224	4,224
Infiltration: Winter CFM: 226, Summer CFM: 100		10,136	3,399	1,977	5,376
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
Total Building Load Totals:		46,231	4,549	25,341	29,890

### Check Figures

Total Building Supply CFM:	1,158	CFM Per Square ft.:	0.729
Square ft. of Room Area:	1,589	Square ft. Per Ton:	579
Volume (ft³) of Cond. Space:	15,067	Air Turnover Rate (per hour):	4.6

### Building Loads

Total Heating Required With Outside Air:	46,231 Btuh	46.231 MBH
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Total Cooling Required With Outside Air:	29,890 Btuh	2.49 Tons (Based On Sensible + Latent)
		2.74 Tons (Based On 77% Sensible Capacity)

### Notes

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





### System 1 Main Floor Summary Loads (Average Method)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, medium color blinds at 45° with 25% coverage	200.4	5,340	0	4,853	4,853
10B-b: Glazing-French door, double pane clear glass, metal frame with break, ground reflectance = 0.23, medium color blinds at 45° with 25% coverage	34	1,046	0	673	673
10B-b: Glazing-French door, double pane clear glass, metal frame with break, ground reflectance = 0.32, medium color blinds at 45° with 25% coverage	34	1,046	0	661	661
11P: Door-Polyurethane Core	40.8	486	0	344	344
13A-5ocs: Wall-Block, board insulation only, R-5 board insulation, open core, siding finish	1586.8	8,132	0	3,630	3,630
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1588.5	2,086	0	2,187	2,187
22A-pm: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy dry or light wet soil	212	10,254	0	0	0
Subtotals for structure:		28,390	0	12,348	12,348
People:	5		1,150	1,500	2,650
Equipment:			0	1,200	1,200
Lighting:	1200			4,092	4,092
Ductwork:		7,705	0	4,224	4,224
Infiltration: Winter CFM: 226, Summer CFM: 100		10,136	3,399	1,977	5,376
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
System 1 Main Floor Load Totals:		46,231	4,549	25,341	29,890

#### Check Figures

Supply CFM:	1,158	CFM Per Square ft.:	0.729
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Volume (ft³) of Cond. Space:	15,067	Air Turnover Rate (per hour):	4.6

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		2.74 Tons (Based On 77% Sensible Capacity)

#### Notes

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All computed results are estimates as building use and weather may vary.  
Be sure to select a unit that meets both sensible and latent loads.





## System 1, Zone 1 Summary Loads (Average Method)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, medium color blinds at 45° with 25% coverage	200.4	5,340	0	4,853	4,853
10B-b: Glazing-French door, double pane clear glass, metal frame with break, ground reflectance = 0.23, medium color blinds at 45° with 25% coverage	34	1,046	0	673	673
10B-b: Glazing-French door, double pane clear glass, metal frame with break, ground reflectance = 0.32, medium color blinds at 45° with 25% coverage	34	1,046	0	661	661
11P: Door-Polyurethane Core	40.8	486	0	344	344
13A-5ocs: Wall-Block, board insulation only, R-5 board insulation, open core, siding finish	1586.8	8,132	0	3,630	3,630
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1588.5	2,086	0	2,187	2,187
22A-pm: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy dry or light wet soil	212	10,254	0	0	0
Subtotals for structure:		28,390	0	12,348	12,348
People:	5		1,150	1,500	2,650
Equipment:			0	1,200	1,200
Lighting:	1200			4,092	4,092
Ductwork:		7,705	0	4,224	4,224
Infiltration: Winter CFM: 226, Summer CFM: 100		10,136	3,399	1,977	5,376
System 1, Zone 1 Load Totals:		46,231	4,549	25,341	29,890

### Check Figures

Supply CFM:	1,158	CFM Per Square ft.:	0.729
Square ft. of Room Area:	1,589	Square ft. Per Ton:	579
Volume (ft³) of Cond. Space:	15,067	Air Turnover Rate (per hour):	4.6

### Zone Loads

Total Heating Required:	46,231 Btuh	46.231 MBH
Total Sensible Gain:	25,341 Btuh	85 %
Total Latent Gain:	4,549 Btuh	15 %
Total Cooling Required:	29,890 Btuh	2.49 Tons (Based On Sensible + Latent)
		2.74 Tons (Based On 77% Sensible Capacity)

### Notes

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





## System 1 Room Load Summary

Room No Name	Area SF	Htg Sens Btuh	Htg Nom CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Clg Nom CFM	Air Sys CFM
—Zone 1—									
1 Laundry	60	2,797	37	1-4	613	1,171	230	54	54
2 W. I. C.	66	2,800	37	1-4	556	1,062	244	49	49
3 Master Bedroom	209	3,659	48	2-6	452	3,882	682	177	177
4 Master Bath	135	4,218	55	1-5	572	1,705	337	78	78
5 Dining Room	163	6,240	81	1-7	466	2,722	463	124	124
6 Kitchen	156	1,423	19	1-7	467	2,731	348	125	125
7 Great Room	271	8,954	117	2-5	635	3,790	667	173	173
8 Bedroom 2	176	4,927	64	1-6	597	2,564	840	117	117
9 Bath 2	54	1,162	15	1-4	483	923	86	42	42
10 Media Room	155	5,599	73	1-6	476	2,047	430	94	94
11 Covered Porch	132	4,375	57	2-4	606	2,314	222	106	106
12 Bath Hall	12	77	1	1-3	400	430	0	20	20
System 1 total	1,589	46,231	604			25,341	4,549	1,158	1,158

System 1 Main Trunk Size: 15x15 in.  
 Velocity: 830 ft./min  
 Loss per 100 ft.: 0.084 in.wg

## Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	2.49	85% / 15%	25,341	4,549	29,890
Recommended:	2.74	77% / 23%	25,341	7,569	32,910
Actual:	2.83				34,000

## Equipment Data

	Heating System	Cooling System
Type:	Air Source Heat Pump	Air Source Heat Pump
Model:	RHE36A2D/ARPT042-00A-1/HKR-10	RHE36A2D/ARPT042-00A-1/HKR-10
Brand:	Amana	Amana
Efficiency:	7.2 HSPF	12 SEER
Sound:		
Capacity:	34,000 BTU	34,000 BTU
Sensible Capacity:	n/a	0 Btuh
Latent Capacity:	n/a	0 Btuh



*Sarrett*  
Items needed to apply for building permits:

- 2 sets of finished plans ✓
- 2 sets of windload packets ✓
- 2 sets of Trusses packets ✓
- 2 sets of Energy Calcs ✓
- 2 sets of A.C. specs (heatload) packets ✓
- Deed to property or proof of sale for property ✓
- Survey of property (plot plan from Paul Lloyd packet will work) ✓

If well and septic: need 2 copies of the site plan (from Paul Lloyd packet)

**Alachua County –**

Also need 2 sets of window schedule form and checklist form (Alachua County form)

Or

**All other counties –**

2 red/blue permit booklets ✓

**Putnam –**

Also need Power of Attorney

*Ready to go!*

No good

COLUMBIA COUNTY BUILDING DEPARTMENT

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

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

- 1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
- 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
- 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
<input checked="" type="checkbox"/>	<input type="checkbox"/> BK	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Wind-load Engineering Summary, calculations and any details required</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m <sup>2</sup> ), to be used for the design of exterior component and cladding materials not specifiably designed by the registered design professional
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation d) Location, size and height above roof of chimneys e) Location and size of skylights f) Building height g) Number of stories
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> NA	<input type="checkbox"/>	
<input checked="" type="checkbox"/> NA	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	



☐ ☐

NA

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide or alternative method)
11. Slab on grade
  - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
  - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
  - a. Attic space
  - b. Exterior wall cavity
  - c. Crawl space (if applicable)

☐ NA ☐

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

**Floor Framing System:**

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

**Plumbing Fixture layout**

**Electrical layout including:**

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
  - d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment

**HVAC information**

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

**Energy Calculations** (dimensions shall match plans)

**Gas System** Type (LP or Natural) Location and BTU demand of equipment

**Disclosure Statement for Owner Builders**

**Notice Of Commencement**

**Private Potable Water**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

☐ NA ☐

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b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
  - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
  - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
  - a. Attic space
  - b. Exterior wall cavity
  - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

**Floor Framing System:**

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- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

**Plumbing Fixture layout**

**Electrical layout including:**

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment

**HVAC information**

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

**Energy Calculations** (dimensions shall match plans)

**Gas System** Type (LP or Natural) Location and BTU demand of equipment

**Disclosure Statement for Owner Builders**

**Notice Of Commencement**

**Private Potable Water**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used



**Columbia County Building Department  
Culvert Permit**

**Culvert Permit No.  
000000453**

DATE 11/18/2004 PARCEL ID # 34-6S-16-14330-206  
APPLICANT JD HARRINGTON PHONE 386 462-5323  
ADDRESS 12523 US HIGHWAY 441 ALACHUA FL 32615  
OWNER DELORES BARNETT PHONE \_\_\_\_\_  
ADDRESS 509 SW DURANT STREET FT. WHITE FL 32038  
CONTRACTOR HOMES BY HOUSECRAFT PHONE 386 462-5323  
LOCATION OF PROPERTY 47S, TL ON 27, TL ON SW DURANT STREET, TO THE END ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT FT. WHITE MANOR 5

SIGNATURE

*JD Harrington*

**INSTALLATION REQUIREMENTS**



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other \_\_\_\_\_

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED  
DURING THE INSTALATION OF THE CULVERT.

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

Amount Paid 25.00



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	<b>Barnett Residence</b>	Builder:	<b>Homes By House Craft</b>
Address:	<b>Lot: 6, Sub: Ft. White Manor, Plat:</b>	Permitting Office:	
City, State:	<b>, FL</b>	Permit Number:	<b>22514</b>
Owner:	<b>Dolores Barnett</b>	Jurisdiction Number:	<b>221000</b>
Climate Zone:	<b>North</b>		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	1589 ft <sup>2</sup>	13. Heating systems	
7. Glass area & type	Single Pane Double Pane	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
a. Clear glass, default U-factor	0.0 ft <sup>2</sup> 193.0 ft <sup>2</sup>		HSPF: 8.00
b. Default tint	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	b. N/A	
c. Labeled U or SHGC	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	c. N/A	
8. Floor types		14. Hot water systems	
a. Stem Wall	ft <sup>2</sup>	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.97
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=6.0, 1031.0 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=6.0, 138.0 ft <sup>2</sup>	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1589.0 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. Under Attic	R=30.0, 82.0 ft <sup>2</sup>	MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 110.0 ft		
b. N/A			

Glass/Floor Area: 0.12

Total as-built points: 23919

Total base points: 25107

**PASS**

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

PREPARED BY: John HarringtonDATE: 08-25-04

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

OWNER/AGENT: John D. HarringtonDATE: 08-25-04

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: \_\_\_\_\_



# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 84.5**

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

Dolores Barnett, Lot: 6, Sub: Ft. White Manor, Plat: , , FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	1589 ft <sup>2</sup>		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft <sup>2</sup> 193.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
b. Clear - double pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>		HSPF: 8.00
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Stem Wall	R=0.0, 1589.0ft <sup>2</sup>	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.97
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=6.0, 1031.0 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=6.0, 138.0 ft <sup>2</sup>	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1589.0 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. Under Attic	R=30.0, 82.0 ft <sup>2</sup>	MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 110.0 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: John S. Harrington

Date: 08-25-04

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 EnergyStd<sup>®</sup> designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at [www.fsec.ucf.edu](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

EnergyGauge® (Version: FLRCSB v3.30)

Code Compliance Checklist  
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Ft. White Manor, Plat: , , FL,

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.	ai/A
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 6-12. 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.	✓



WATER HEATING & CODE COMPLIANCE STATUS  
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Ft. White Manor, Plat: , , FL,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2746.00		8238.0	40.0	0.97	3		1.00	2491.22 1.00 7473.6
					As-Built Total:					7473.6

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
8812		8056		8238 25107	6291		10155		7474 23919

PASS



WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Ft. White Manor, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		12841.0		Winter As-Built Points:		19063.7					
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
12841.0		0.6274	8056.4	19063.7		1.000	(1.069 x 1.169 x 1.00)	0.426	1.000		10154.6
				19063.7		1.00	1.250	0.426	1.000		10154.6



WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Ft. White Manor, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT									
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Point						
.18	1589.0	12.74	3643.9	Double, Clear	W	2.0	5.7	85.0	20.73	1.05	1845.5		
				Double, Clear	W	2.0	2.6	5.0	20.73	1.14	118.0		
				Double, Clear	E	2.0	5.7	25.0	18.79	1.07	501.2		
				Double, Clear	E	2.0	5.7	34.0	18.79	1.07	681.6		
				Double, Clear	N	2.0	5.7	34.0	24.58	1.01	840.0		
				Double, Clear	N	2.0	2.6	5.0	24.58	1.02	124.8		
				Double, Clear	S	2.0	2.6	5.0	13.30	2.32	154.3		
				As-Built Total:							193.0	4265.4	
				WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points		
Adjacent	138.0	3.60	496.8	Concrete, Int Insul, Exterior	6.0		1031.0	5.15	5309.6				
Exterior	1031.0	3.70	3814.7	Frame, Wood, Adjacent	6.0		138.0	5.26	725.5				
Base Total: 1169.0 4311.5				As-Built Total:		1169.0		6035.1					
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points								
Adjacent	22.0	11.50	253.0	Exterior Insulated			22.0	8.40	184.8				
Exterior	64.0	12.30	787.2	Exterior Insulated			42.0	8.40	352.8				
				Adjacent Insulated			22.0	8.00	176.0				
Base Total: 86.0 1040.2				As-Built Total:		86.0		713.6					
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points						
Under Attic	1589.0	2.05	3257.4	Under Attic	30.0		1589.0	2.05 X 1.00	3257.4				
				Under Attic	30.0		82.0	2.05 X 1.00	168.1				
Base Total: 1589.0 3257.4				As-Built Total:		1671.0		3425.6					
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points						
Slab	0.0(p)	0.0	0.0	Stem Wall	0.0		1589.0	3.50	5561.5				
Raised	1589.0	0.96	1525.4										
Base Total: 1525.4				As-Built Total:		1589.0		5561.5					
INFILTRATION Area X BWPM = Points				Area X WPM = Points									
1589.0 -0.59 -937.5				1589.0 -0.59 -937.5									

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Ft. White Manor, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 20656.9				Summer As-Built Points: 18623.5							
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
20656.9		0.4266	8812.2	18623.5	1.000	(1.090 x 1.147 x 1.00)	0.284	0.950			6291.1
				18623.5	1.00	1.250	0.284	0.950			6291.1



SUMMER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Ft. White Manor, Plat: , , FL,

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	1589.0	20.04	5731.8	Double, Clear	W	2.0	5.7	85.0	38.52	0.83	2731.1
				Double, Clear	W	2.0	2.6	5.0	38.52	0.59	114.3
				Double, Clear	E	2.0	5.7	25.0	42.06	0.83	875.4
				Double, Clear	E	2.0	5.7	34.0	42.06	0.83	1190.5
				Double, Clear	N	2.0	5.7	34.0	19.20	0.89	581.6
				Double, Clear	N	2.0	2.6	5.0	19.20	0.75	72.1
				Double, Clear	S	2.0	2.6	5.0	35.87	0.56	100.3
				As-Built Total:							193.0
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	138.0	0.70	96.6	Concrete, Int Insul, Exterior	6.0		1031.0	0.85	876.4		
Exterior	1031.0	1.70	1752.7	Frame, Wood, Adjacent	6.0		138.0	1.00	138.0		
Base Total:				1169.0		1849.3		As-Built Total:			
								1169.0	1014.4		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	22.0	2.40	52.8	Exterior Insulated			22.0	4.10	90.2		
Exterior	64.0	6.10	390.4	Exterior Insulated			42.0	4.10	172.2		
				Adjacent Insulated			22.0	1.60	35.2		
Base Total:				86.0		443.2		As-Built Total:			
								86.0	297.6		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1589.0	1.73	2749.0	Under Attic	30.0		1589.0	1.73 X 1.00	2749.0		
				Under Attic	30.0		82.0	1.73 X 1.00	141.9		
Base Total:				1589.0		2749.0		As-Built Total:			
								1671.0	2890.8		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	0.0(p)	0.0	0.0	Stem Wall	0.0		1589.0	-4.70	-7468.3		
Raised	1589.0	-3.99	-6340.1								
Base Total:						-6340.1		As-Built Total:			
								1589.0	-7468.3		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1589.0 10.21 16223.7				1589.0 10.21 16223.7							



# COLUMBIA COUNTY, FLORIDA

## 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 34-6S-16-14330-206

Building permit No. 000022514

Use Classification SFD, UTILITY

Fire: 11.34

Permit Holder HOMES BY HOUSECRAFT

Waste: .00

Owner of Building DELORES BARNETT

Total: 11.34

Location: 509 SW DURANT STREET(FT. WHITE MANOR, LOT 5)

Date: 07/19/2005



*[Signature]*  
Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)