

DATE 05/01/2008

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026962

APPLICANT JERRY RYE PHONE 352 378-3006
ADDRESS 3817 NW 28TH TERR GAINESVILLE FL 32605
OWNER STEVE & BARBARA COODY PHONE
ADDRESS 662 SE CR 241 LULU FL 32601
CONTRACTOR RYE CONSTRUCTION CO PHONE 352 258-8603
LOCATION OF PROPERTY SR 100,, TR ON CR 241, 1/2 MILE ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 173600.00
HEATED FLOOR AREA 2048.00 TOTAL AREA 3472.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 18
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 34-4S-18-10550-001 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 1.00

CGC1511121
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 08-098 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: IMPACT FEE WAIVED, MH TO BE REMOVED WITHIN 45 DAYS OF CO ISSUANCE,
NOC ON FILE, ONE FOOT ABOVE THE ROAD
Check # or Cash 1313

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 \$ 870.00 CERTIFICATION FEE \$ 17.36 SURCHARGE FEE \$ 17.36
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 979.72
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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Tax Folio Number: R10550-001

State of: Florida
County of: Columbia

File Number: 08-0044

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By Sharon Seagle
Deputy Clerk

Date 04-14-2008



NOTICE OF COMMENCEMENT

Inst: 200812007294 Date: 4/14/2008 Time: 3:47 PM
P. DeWitt Cason, Columbia County Page 1 of 1 B: 1148 P: 42

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.

1. Description of Property:
COMMENCE AT THE NORTHEAST CORNER OF THE SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 34, TOWNSHIP 4 SOUTH, RANGE 18 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE SOUTH 89 DEG. 15 MIN. 50 SEC. WEST ALONG THE NORTH LINE OF SAID SOUTH 1/2 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, 254.20 FEET TO THE SOUTHERLY RIGHT OF WAY OF SW COUNTY ROAD 241; THENCE SOUTH 67 DEG. 11 MIN. 12 SEC. WEST ALONG SAID SOUTHERLY RIGHT OF WAY, 731.02 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 67 DEG. 11 MIN. 12 SEC. WEST, ALONG SAID SOUTHERLY RIGHT OF WAY 47.89 FEET TO A POINT OF A CURVE; THENCE RUN SOUTHWESTERLY ALONG SAID SOUTHERLY RIGHT OF WAY ALONG THE ARC OF SAID CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 2824.79 FEET, A DELTA OF 08 DEG. 17 MIN. 28 SEC., A CHORD BEARING AND DISTANCE OF SOUTH 63 DEG. 02 MIN. 28 SEC. WEST, 408.41 FEET, AN ARC LENGTH OF 408.77 FEET TO THE WEST LINE OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 34; THENCE SOUTH 00 DEG. 46 MIN. 34 SEC. EAST ALONG SAID WEST LINE AND THE WEST LINE OF THE SOUTHWEST 1/4 OF SAID NORTHEAST 1/4, 442.22 FEET; THENCE NORTH 82 DEG. 23 MIN. 17 SEC. EAST, 429.70 FEET; THENCE NORTH 02 DEG. 18 MIN. 23 SEC. WEST, 589.46 FEET TO THE POINT OF BEGINNING.
2. General Description of Improvements: Single Family Dwelling
3. Owner Information:
 - a. Name and Address: Stephen W. Coody and Barbara A. Coody, husband and wife
662 SE CR 241, Lulu, Florida 32061
 - b. Interest in property: Fee Simple
 - c. Names and address of fee simple title holder (if other than owner):
4. Contractor: Rye Construction Company, Inc., Jerry Rye
5. Surety:
6. Lender: Ameris Bank, 25365 W. Newberry Rd., Newberry, Florida 32669
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a)7., Florida Statutes.
8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): _____.

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT

Columbia County Building Permit Application

For Office Use Only Application # 0804-32 Date Received 4/15 By JW Permit # 26962
 Zoning Official BK Date 30.04.08 Flood Zone X5 river FEMA Map # N/A Zoning A-3
 Land Use A-3 Elevation N/A MFE about 1 ft River N/A Plans Examiner DKJH Date 4-25-08
 Comments Impact Fees Waived MA to be removed within 45 day of CO being issued
☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 08-0098 Fax 352-378-9003
 Name Authorized Person Signing Permit JERRY RYE Phone 352-378-3006
 Address 3817 N.W. 28TH TERRACE GAINESVILLE, FL. 32605
 Owners Name STEVE + BARBARA LOODY Phone _____
 911 Address 662 S.E. CR. 241 LULL FL. 32601
 Contractors Name RYE CONSTRUCTION CO. INC Phone 352-258-8603 - CEL.
352-378-3006 - OFF
 Address 3817 N. W. 28TH TERRACE GAINESVILLE FL. 32605

Fee Simple Owner Name & Address SAME AS ABOVE
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address BAILEY BISHOP + LANE SW. BARNETT WAY LAKE CITY FL. 32056
 Mortgage Lenders Name & Address AMERIS BANK 25365 W. NEWBERRY RD NEWBERRY, FL. 32669
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 10550-~~000~~⁰⁰¹ 34-45-18 Estimated Cost of Construction 141,000.00
 Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions HWY 100 EAST FROM LAKE CITY TO CR 241 S - RIGHT ON CR 241
SOUTH 1/2 miles ROCI JOB SIGN ON LEFT SIDE OF 241
 Number of Existing Dwellings on Property 21

Construction of SINGLE FAMILY HOME Total Acreage 5.1 AC Lot Size 210x210
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 18'
 Actual Distance of Structure from Property Lines - Front 137.5' ± Side R- 75' ± Side 60' ± Rear 127.5' ±
 Number of Stories 1 Heated Floor Area 2048 Total Floor Area 3472 Roof Pitch 3-6/12

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.

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FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

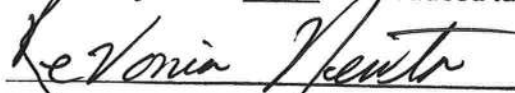

Owner's Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.


Contractor's Signature (Permitee)

Contractor's License Number C GC 151 1121
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 15th day of April 2008
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

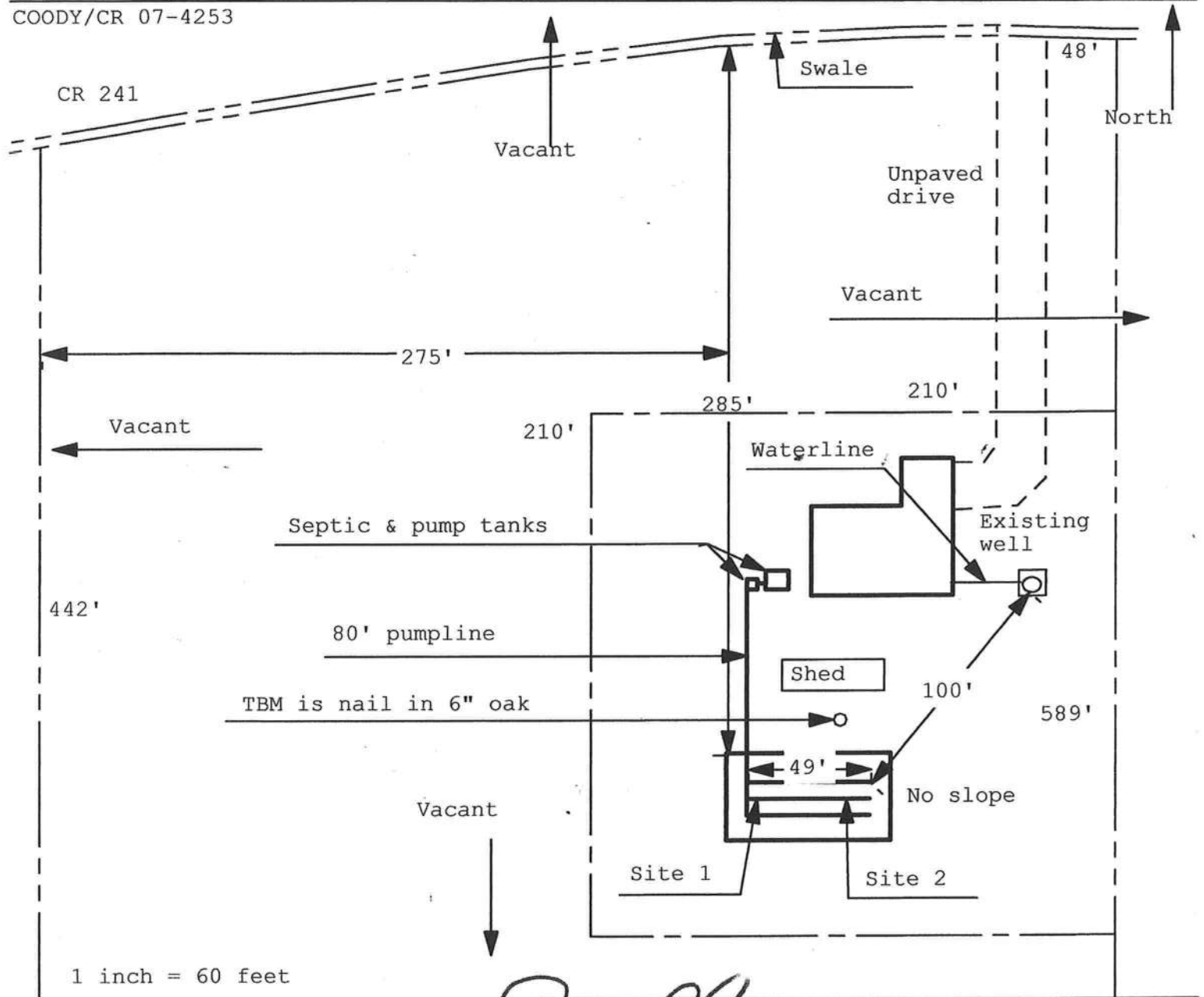
SEAL:



**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 08-0098

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

COODY/CR 07-4253



Site Plan Submitted By Paul L. Lyle Date 1/18/08
Plan Approved ☒ Not Approved ☐ Date 1/23/08
By Mr. O. L. Columbia CPHU

Notes: _____



Columbia County Property Appraiser

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

PARCEL: 34-4S-18-10550-001 HX - MOBILE HOM (000200)

Name: COODY STEPHEN W & BARBARA A	LandVal	\$45,690.00
Site: COUNTY RD 241	BldgVal	\$24,452.00
Mail: 662 SE CR 241	ApprVal	\$71,542.00
LULU, FL 32061	JustVal	\$71,542.00
Sales Info 2/28/2007 \$88,000.001 / Q	Assd	\$71,542.00
	Exmpt	\$25,000.00
	Taxable	\$46,542.00

0 49 98 147 ft



This information, GIS Map Updated: 4/15/2008, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Prepared by:
Elaine R. Davis / Megan Marable
American Title Services of Lake City, Inc.
321 SW Main Boulevard, Suite 105
Lake City, Florida 32025

File Number: 07-102

Inst:2007004821 Date:02/28/2007 Time:16:39
Doc Stamp-Deed : 616.00
DC, P. Dewitt Cason, Columbia County B:1112 P:521

Warranty Deed

Made this February 28, 2007 A.D.

By **Russell S. Depratter, a single man, and Darrell W. Hunt and Kathy Hunt, husband and wife**, 119 NW Ethan Place, Lake City, Florida 32055, hereinafter called the grantor,

to **Stephen W. Coody, and Barbara A. Coody, husband and wife**, whose post office address is: 199 SE Arapahoe Lane, Lake City, Florida 32025, 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:

See Attached Schedule "A"

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: 10550-000 Parent Parcel

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, 2006.

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:

Megan Marable
Witness Printed Name Megan Marable

Elaine R. Davis
Witness Printed Name Elaine R. Davis

Russell S. Depratter (Seal)
Russell S. Depratter
Address: 119 NW Ethan Place, Lake City, Florida 32055

Darrell W. Hunt (Seal)
Darrell W. Hunt
Address: Kathy Hunt
Kathy Hunt

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 28th day of February, 2007, by Russell S. Depratter, a single man, and Darrell W. Hunt and Kathy Hunt, husband and wife, who is/are personally known to me or who has produced Davis License as identification.

Megan M. Marable
Notary Public
Print Name:

OWNER IMPACT FEE OCCUPANCY AFFIDAVIT

**STATE OF FLORIDA
COUNTY OF COLUMBIA**

BEFORE ME, the undersigned authority, personally appeared Stephen W. Coody ("Owner"), who, after being duly sworn, deposes and says:

1. Except as otherwise stated herein, Affiant has personal knowledge of the facts and matters set forth in this affidavit.

2. Affiant is the owner of the following described real property located in Columbia County, Florida, (herein "the property"):

- (a) Parcel No.: 34-43-18-10550-001
(b) Legal description (may be attached): _____

3. Affiant has or will apply to the Columbia County Building Department for a building permit for the replacement of a building or dwelling unit on the property where no additional square footage or dwelling units will be created and will be located on the same property.

4. Either based upon Affiant's personal knowledge or the attached signed written statement of another person, a certificate of occupancy has been issued for the replacement building or dwelling on the property within seven (7) years of the date the previous building or dwelling unit was previously occupied. The building or dwelling unit was last occupied on 04/25/08.

5. This affidavit is given for the purpose of obtaining an exemption pursuant to Article VIII, Section 8.01, Columbia County Comprehensive Impact Fee Ordinance No. 2007-40, adopted October 18, 2007, as may be amended.

Further Affiant sayeth naught.

Print: _____

Address: _____

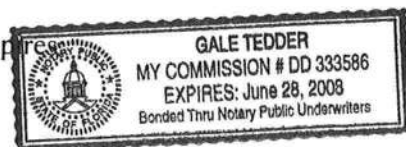
Stephen W. Coody
662 SE CR 241
Lulu, FL 32061

SWORN TO AND SUBSCRIBED before me this 25th day of April, 2008, by Stephen Coody who is personally known to me or who has produced _____ as identification.

(NOTARIES SEAL)

Notary Public, State of Florida

My Commission Expires _____



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	RYE - COODY RESIDENCE	Builder:	RYE CONSTRUCTION
Address:		Permitting Office:	COLUMBIA COUNTY
City, State:	,	Permit Number:	26962
Owner:	STEVE AND BARBARA COODY	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2048 ft²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 42.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble, U=0.9)	90.0 ft²		HSPF: 8.20
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear)	159.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 184.5(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Adjacent	R=3.0, 1328.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Exterior	R=13.0, 1275.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2048.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 350.0 ft		
b. N/A			

Glass/Floor Area: 0.08

Total as-built points: 29608

Total base points: 31819

PASS

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

PREPARED BY: Larry Resmorde alc

DATE: Jan 2008

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

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

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2048.0	18.59	6853.0	1.Double,U=0.87,Clear	N	7.0	6.0	90.0	19.20	0.68	1182.0
				2.Double,U=0.87,Clear	N	10.0	6.0	30.0	19.20	0.64	368.0
				3.Double,U=0.87,Clear	N	10.0	4.0	9.0	19.20	0.60	104.0
				4.Double,U=0.87,Clear	N	1.5	6.0	30.0	19.20	0.94	540.0
				As-Built Total:				159.0		2194.0	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	1328.0	0.70	929.6	1. Frame, Wood, Adjacent	3.0			1328.0	1.60	2124.8	
Exterior	1275.0	1.70	2167.5	2. Frame, Wood, Exterior	13.0			1275.0	1.50	1912.5	
Base Total:		2603.0	3097.1	As-Built Total:				2603.0		4037.3	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Wood				42.0	6.10	256.2	
Exterior	42.0	6.10	256.2								
Base Total:		42.0	256.2	As-Built Total:				42.0		256.2	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2048.0	1.73	3543.0	1. Under Attic	30.0			2048.0	1.73 X 1.00	3543.0	
Base Total:		2048.0	3543.0	As-Built Total:				2048.0		3543.0	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	184.5(p)	-37.0	-6826.5	1. Slab-On-Grade Edge Insulation	5.0			184.5(p)	-36.20	-6678.9	
Raised	0.0	0.00	0.0								
Base Total:			-6826.5	As-Built Total:				184.5		-6678.9	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
		2048.0	10.21					2048.0	10.21	20910.1	

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 27832.9				Summer As-Built Points: 24261.7									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
27832.9		0.3250	9045.7	(sys 1: Central Unit 42000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS) 24262 1.00 (1.09 x 1.000 x 1.11) 0.260 1.000 7632.1 24261.7 1.00 1.210 0.260 1.000 7632.1									

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2048.0	20.17	7435.0	1.Double,U=0.87,Clear	N	7.0	6.0	90.0	24.58	1.02	2257.0
				2.Double,U=0.87,Clear	N	10.0	6.0	30.0	24.58	1.02	754.0
				3.Double,U=0.87,Clear	N	10.0	4.0	9.0	24.58	1.03	227.0
				4.Double,U=0.87,Clear	N	1.5	6.0	30.0	24.58	1.00	739.0
				As-Built Total:		159.0			3977.0		
WALL TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	1328.0	3.60	4780.8	1. Frame, Wood, Adjacent	3.0		1328.0	7.83		10396.3	
Exterior	1275.0	3.70	4717.5	2. Frame, Wood, Exterior	13.0		1275.0	3.40		4335.0	
Base Total:				2603.0		9498.3		As-Built Total:		2603.0	14731.3
DOOR TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Wood			42.0	12.30		516.6	
Exterior	42.0	12.30	516.6								
Base Total:				42.0		516.6		As-Built Total:		42.0	516.6
CEILING TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2048.0	2.05	4198.4	1. Under Attic	30.0		2048.0	2.05 X 1.00		4198.4	
Base Total:				2048.0		4198.4		As-Built Total:		2048.0	4198.4
FLOOR TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	184.5(p)	8.9	1642.0	1. Slab-On-Grade Edge Insulation	5.0		184.5(p)	7.60		1402.2	
Raised	0.0	0.00	0.0								
Base Total:				1842.0		1642.0		As-Built Total:		184.5	1402.2
INFILTRATION											
Area X BWPM = Points						Area X WPM = Points					
2048.0 -0.59 -1208.3						2048.0 -0.59 -1208.3					

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points: 22082.0				Winter As-Built Points: 23617.2							
Total Winter X Points	System = Multiplier	Heating Points		Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points)(DM x DSM x AHU)							
22082.0	0.5540	12233.4		(sys 1: Electric Heat Pump 42000 btuh ,EFF(8.2) Ducts:Unc(S),Unc(R),Att(AH),R6.0 23617.2 1.000 (1.069 x 1.000 x 1.10) 0.416 1.000 11548.9							
				23617.2 1.00 1.176 0.416 1.000 11548.9							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Credit X Multiplier = Total
4		2635.00	10540.0	40.0	0.93	4		1.00	2606.67 1.00 10426.7
				As-Built Total:					10426.7

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
9046		12233		10540 31819	7632		11549		10427 29608

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.7

The higher the score, the more efficient the home.

STEVE AND BARBARA COODY, , , ,

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 42.0 kBtu/hr	___
3. Number of units, if multi-family	1	___		SEER: 13.00	___
4. Number of Bedrooms	4	___	b. N/A		___
5. Is this a worst case?	No	___			___
6. Conditioned floor area (ft ²)	2048 ft ²	___	c. N/A		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___			___
a. U-factor:	Description	Area	13. Heating systems		
(or Single or Double DEFAULT)	7a. (Dble, U=0.9)	90.0 ft ²	a. Electric Heat Pump	Cap: 42.0 kBtu/hr	___
b. SHGC:				HSPF: 8.20	___
(or Clear or Tint DEFAULT)	7b. (Clear)	159.0 ft ²	b. N/A		___
8. Floor types		___			___
a. Slab-On-Grade Edge Insulation	R=5.0, 184.5(p) ft	___	c. N/A		___
b. N/A		___			___
c. N/A		___	14. Hot water systems		
9. Wall types		___	a. Electric Resistance	Cap: 40.0 gallons	___
a. Frame, Wood, Adjacent	R=3.0, 1328.0 ft ²	___		EF: 0.93	___
b. Frame, Wood, Exterior	R=13.0, 1275.0 ft ²	___	b. N/A		___
c. N/A		___			___
d. N/A		___	c. Conservation credits		___
e. N/A		___	(HR-Heat recovery, Solar		___
10. Ceiling types		___	DHP-Dedicated heat pump)		___
a. Under Attic	R=30.0, 2048.0 ft ²	___	15. HVAC credits		___
b. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,		___
c. N/A		___	HF-Whole house fan,		___
11. Ducts(Leak Free)		___	PT-Programmable Thermostat,		___
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 350.0 ft	___	MZ-C-Multizone cooling,		___
b. N/A		___	MZ-H-Multizone heating)		___

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

Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.5)



BAILEY BISHOP & LANE, INC.

Engineers

Surveyors

Planners

April 24, 2008

Joe Haltiwanger
Plan Examiner
Columbia County Building & Zoning Department
P. O. Box 1529
135 NE Hernando Ave
Lake City, FL 32056

**REF: PERMIT # 0804-32; STEVE & BARBARA COODY RESIDENCE; RYE
CONSTRUCTION, INC., CONTRACTOR**

Dear Joe:

This is in response to your review of the above referenced application.

2. Please indicate on sheet B1 that one window in each bedroom will serve as an emergency escape and rescue opening, as required by the 2004 Florida Residential Building Code sections R310.1.1, R310.1.2, and R310.1.3.

The SH3050 windows indicated on the plans should meet all requirements for emergency ingress/egress as established by Sections R310.1.1, R310.1.2, and R310.1.3. The Contractor shall provide manufacturer's documentation verifying compliance as required by the Columbia County Building Department.

3. Please revise electrical plans sheet B5, to indicate code compliance with the Florida Residential Building Code, Section R313 Smoke Alarms: Smoke alarms shall be installed in the following locations:

- 1. In each sleeping room.**
- 2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.**
- 3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.**

When more than one smoke alarm is required to be installed within an individual dwelling unit, the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.

The contractor shall provide smoke alarm devices in each bedroom in addition to the one located in the alcove area outside of the bedrooms 1, 2, & 3. All devices shall be interconnected as required by Section R313 of the building code and meet the requirements of NFPA 72.

P. O. Box 3717	Lake City, FL 32056-3717	Ph. (386) 752-5640	FAX (386) 755-7771
407 Reid Ave.	Port St. Joe, FL 32456	Ph. (850) 227-9449	FAX (850) 887-9650
1923 Capital Circle NE.	Tallahassee, FL 32308	Ph. (850) 894-1200	FAX (850) 894-0200

4. Please revise the electrical plans sheet B5, to indicate at the electrical service entrance point an overcurrent protection device shall be installed on the exterior of the structure which will provide overcurrent protection for the total service amperage rating and a means of disconnecting electrical service from the serving utility company. Conductors used from the exterior disconnecting means to a panel or sub-panel shall have four wire conductors, of which one conductor shall be used as an equipment ground.

A disconnect device for the HVAC and electrical meter base was shown on the plans. The contractor shall provide proper grounding for the entire electrical system as required by the building code.

5. On sheet B1, the screen porch exterior load bearing post are shown as to be a minimum size of 4x4 with a maximum spacing of 8'-0". Please indicate the method of attachment of the post to the foundation and the required connection device to use for connection of the header beam to the post. Also specify the minimum header size for the 8' spans between each post.

The column base/beam connection details on B6 shows steel column connections, however the 'ALTERNATE PORCH COLUMN & BEAM CONNECTION NOTES' specifies Simpson connectors (use ABU44 for the column base and PC44 for the beam connectors for 4x4 posts on screen porch and ABU66 and PC66 for all others) for the wood posts/beams. The beam size (double 2x12) is also noted there.

6. Sheet B6 notes require that all structural sheathing shall be attached to structural members. The description of the fastener (type & size) for attachment of the structural sheathing is not provided. Also the three typical wall section drawing, show on sheet B6 require a different spacing of fasteners (8d nail 4" o.c. for the 7/16" OSB structural sheathing) than required by note number four, which requires the nailing pattern to be 6" along the edges and field. Please have the design engineer clarify these discrepancies to meet requirement of table R602.3 (1) of the Florida Residential Building Code.

The type and spacing of the fasteners for the structural wall sheathing shall be 8d nails at 6" O.C. around the edge and in the field

I trust that these responses adequately address the issues you raised concerning the plans. If you need additional information, do not hesitate to contact me.

Sincerely,

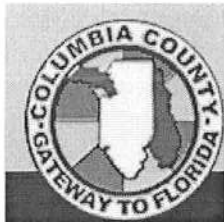


R. P. (Phil) Bishop, Jr., P.E.
Bailey Bishop & Lane, Inc.

Jerry Rye, Contractor

Steve Coody, Owner

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



Phone Number 386-758-1163
Fax Number 386-754-7088

FAX TRANSMITTAL

To: Jerry Rye of Rye Construction
Steve & Barbara Coody Single Family Dwelling

From: Joe Haltiwanger
Date Sent: 04/18/08

CC: Review of building permit application **0804-32**

Number of Pages: **three** pages including the cover page
Fax: (352) 378-9003

Message: Please review the attached information.

To the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.



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

Reference to a building permit application Number: **0804-32**

Applicant: Jerry Rye
Owner: Steve & Barbara Coody
Contractor: Rye Construction Inc.
Property Identification # 10550-000

On the date of April 18, 2008 building permit application number 0804-32 and the submitted plans for construction of a single family dwelling were reviewed. 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 0804-32 and when making reference to this application.

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

1. Please submit a letter from the potable water well contractor which will describe the equipment to be used to supply potable water to this dwelling. Include the size of pump motor, size of pressure tank and cycle stop valve if used.

2. Please indicate on sheet B1 that one window in each bedroom will serve as a emergency escape and rescue openings, as required by the 2004 Florida Residential Code sections R310.1.1: Grade floor openings shall have a minimum net clear opening of 5 square feet.

R310.1.2: Minimum opening height. The minimum net clear opening height shall be 24 inches.
R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches.

3. Please revise the electrical plans sheet B5, to indicate code compliance with the Florida Residential Building Code, Section R313 Smoke Alarms: Smoke alarms shall be installed in the following locations:

1. In each sleeping room.

2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.

3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

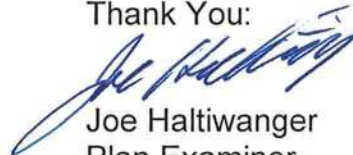
All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.

4. Please revise the electrical plans sheet B5, to indicate at the electrical service entrance point an overcurrent protection device shall be installed on the exterior of structure which will provide overcurrent protection for the total service amperage rating and a means of disconnecting electrical service from the serving utility company. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

5. On sheet B1, the screen porch exterior load bearing post are shown as to be a minimum size of 4"x4" with a maximum spacing of 8'. Please indicate the method of attachment of the post to the foundation and the required connection device to use for connection of the header beam to the post. Also specify the minimum header size for the 8' spans between each post.

6. Sheet B6 notes require that all structural sheathing shall be attached to structural members. The description of the fastener (type & size) for attachment of the structural sheathing is not provided. Also the three typical wall section drawing, show on sheet B6 require a different spacing of fasteners (8d nail 4" oc. for the 7/16" osb structural sheathing) than required by note number four, which requires the nailing pattern to be 6" along the edges and field. Please have the design engineer clarify these discrepancies to meet the requirement of table R602.3 (1) of the Florida residential Building Code.

Thank You:



Joe Haltiwanger
Plan Examiner
County Building Department

Load Short Form
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: STEVE AND BARBARA ...
 Date: Jan 04, 2008
 By:

Project Information

For: JERRY RYE, RYE CONSTRUCTION

Design Information

	Htg	Clg		Infiltration
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	37	17	Fireplaces	1 (Semi-tight)
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make Ruud
 Trade Ruud UPNE Series
 Model UPNE-042J*Z

Efficiency 8.2 HSPF
 Heating input
 Heating output 41500 Btuh @ 47°F
 Temperature rise 28 °F
 Actual air flow 1367 cfm
 Air flow factor 0.043 cfm/Btuh
 Static pressure 0.10 in H2O
 Space thermostat

COOLING EQUIPMENT

Make Ruud
 Trade Ruud UPNE Series
 Cond UPNE-042J*Z
 Coil UBHK-24+RCHJ-48A1

Efficiency 13 SEER
 Sensible cooling 28700 Btuh
 Latent cooling 12300 Btuh
 Total cooling 41000 Btuh
 Actual air flow 1367 cfm
 Air flow factor 0.049 cfm/Btuh
 Static pressure 0.10 in H2O
 Load sensible heat ratio 0.82

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
M/BATH	86	2489	833	107	41
W.I.C.	67	1008	414	43	20
M/BEDROOM	240	5204	3035	224	150
UTILITY	67	1240	5656	53	280
KITCHEN	182	2234	4577	96	227
LIVING ROOM	667	7226	5591	311	277
BEDROOM 3	192	2286	1770	98	88
BATH 2	69	829	374	36	19
BEDROOM 2	192	4284	2274	184	113
HALL/LINEN	88	132	245	6	12
BEDROOM 1	200	4841	2848	208	141

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Entire House	d	2048	31773	27618	1367	1367
Other equip loads			2027	931		
Equip. @ 0.97 RSM				27693		
Latent cooling				6405		
TOTALS		2048	33800	34098	1367	1367

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Building Analysis Entire House LARRY RESMONDO AIR CONDITIONING

Job: STEVE AND BARBARA ...
Date: Jan 04, 2008
By:

Project Information

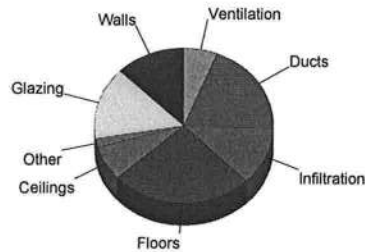
For: JERRY RYE, RYE CONSTRUCTION

Design Conditions

Location:		Indoor:		Heating	Cooling
Gainesville, FL, US		Indoor temperature (°F)		70	75
Elevation: 0 ft		Design TD (°F)		37	17
Latitude: 30°N		Relative humidity (%)		30	50
		Moisture difference (gr/lb)		10.6	51.6
Outdoor:		Heating	Cooling		
Dry bulb (°F)	33	92			
Daily range (°F)	-	19 (M)			
Wet bulb (°F)	-	77			
Wind speed (mph)	15.0	7.5			
		Infiltration:			
		Method	Simplified		
		Construction quality	Average		
		Fireplaces	1 (Semi-tight)		

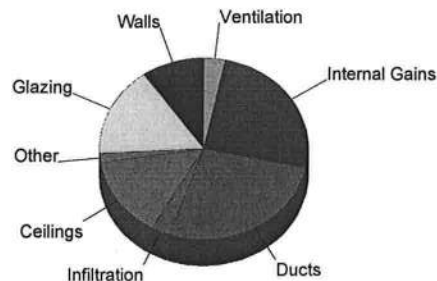
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.6	4293	12.7
Glazing	32.2	5118	15.1
Doors	14.4	606	1.8
Ceilings	1.2	2425	7.2
Floors	4.2	8642	25.6
Infiltration	2.8	4086	12.1
Ducts		6602	19.5
Piping		0	0.0
Humidification		0	0.0
Ventilation		2027	6.0
Adjustments		0	
Total		33800	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.1	2802	9.8
Glazing	28.7	4569	16.0
Doors	11.4	477	1.7
Ceilings	2.0	4106	14.4
Floors	0.0	0	0.0
Infiltration	0.6	817	2.9
Ducts		7696	27.0
Ventilation		931	3.3
Internal gains		7150	25.0
Blower		0	0.0
Adjustments		0	
Total		28549	100.0



Overall U-value = 0.131 Btuh/ft²-°F

Data entries checked.

Project Summary
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: STEVE AND BARBARA ...
Date: Jan 04, 2008
By:

Project Information

For: JERRY RYE, RYE CONSTRUCTION

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	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	25170 Btuh
Ducts	6602 Btuh
Central vent (50 cfm)	2027 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	33800 Btuh

Sensible Cooling Equipment Load Sizing

Structure	19921 Btuh
Ducts	7696 Btuh
Central vent (50 cfm)	931 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	27693 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Semi-tight)

	Heating	Cooling
Area (ft²)	2048	2048
Volume (ft³)	16385	16385
Air changes/hour	0.37	0.16
Equiv. AVF (cfm)	100	44

Latent Cooling Equipment Load Sizing

Structure	2532 Btuh
Ducts	2127 Btuh
Central vent (50 cfm)	1746 Btuh
Equipment latent load	6405 Btuh
Equipment total load	34098 Btuh
Req. total capacity at 0.70 SHR	3.3 ton

Heating Equipment Summary

Make Ruud
Trade Ruud UPNE Series
Model UPNE-042J*Z

Efficiency	8.2 HSPF
Heating input	
Heating output	41500 Btuh @ 47°F
Temperature rise	28 °F
Actual air flow	1367 cfm
Air flow factor	0.043 cfm/Btuh
Static pressure	0.10 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Cond	UPNE-042J*Z
Coil	UBHK-24+RCHJ-48A1
Efficiency	13 SEER
Sensible cooling	28700 Btuh
Latent cooling	12300 Btuh
Total cooling	41000 Btuh
Actual air flow	1367 cfm
Air flow factor	0.049 cfm/Btuh
Static pressure	0.10 in H2O
Load sensible heat ratio	0.82

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Duct System Summary

Entire House

LARRY RESMONDO AIR CONDITIONING

Job: STEVE AND BARBARA ...
Date: Jan 04, 2008
By:

Project Information

For: JERRY RYE, RYE CONSTRUCTION

	Heating	Cooling
External static pressure	0.10 in H2O	0.10 in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.09 / -0.06 in H2O	-0.09 / -0.06 in H2O
Lowest friction rate	0.100 in/100ft	0.100 in/100ft
Actual air flow	1367 cfm	1367 cfm
Total effective length (TEL)	325 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
M/BATH	h 2489	107	41	0.100	7	14x3	VIFx	185.0	0.0	ST1
W.I.C.	h 1008	43	20	0.100	5	14x1	VIFx	185.0	0.0	ST1A
M/BEDROOM	h 5204	224	150	0.100	9	14x5	VIFx	185.0	0.0	ST1
UTILITY-A	c 2828	27	140	0.100	8	14x4	VIFx	185.0	0.0	ST1
UTILITY	c 2828	27	140	0.100	8	14x4	VIFx	185.0	0.0	ST1
KITCHEN-A	c 2288	48	113	0.100	7	14x3	VIFx	185.0	0.0	ST1
KITCHEN	c 2288	48	113	0.100	7	14x3	VIFx	185.0	0.0	ST1
LIVING ROOM-A	h 3613	155	138	0.100	8	14x4	VIFx	185.0	0.0	ST1
LIVING ROOM	h 3613	155	138	0.100	8	14x4	VIFx	185.0	0.0	ST1
BEDROOM 3	h 2286	98	88	0.100	7	14x3	VIFx	185.0	0.0	ST1
BATH 2	h 829	36	19	0.100	4	14x1	VIFx	185.0	0.0	ST1
BEDROOM 2	h 4284	184	113	0.100	8	14x4	VIFx	185.0	0.0	ST1
HALL/LINEN	c 245	6	12	0.100	4	14x1	VIFx	185.0	0.0	ST1
BEDROOM 1	h 4841	208	141	0.100	9	14x5	VIFx	185.0	0.0	ST1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
ST1	Peak AVF	1367	1367	0.100	946	16	16 x 13	RectFbg	ST1
ST1A	Peak AVF	43	20	0.100	390	10	16 x 1	RectFbg	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
RB2	0x0	224	150	140.0	0.100	448	9	12x 6		VIFx	
RB3	0x0	155	138	140.0	0.100	373	8	12x 5		VIFx	
RB4	0x0	98	88	140.0	0.100	393	7	12x 3		VIFx	
RB5	0x0	184	113	140.0	0.100	442	8	12x 5		VIFx	
RB6	0x0	208	141	140.0	0.100	417	9	12x 6		VIFx	

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at _____

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	THERMA-TRU	6 PANEL STEEL	FL-6993
2. Sliding	N/A		
3. Sectional	N/A		
4. Roll up	N/A		
5. Automatic	N/A		
6. Other	N/A		
B. WINDOWS			
1. Single hung	GEN. ALUM	INSULATED ALUM-TILT SASH	8359.2
2. Horizontal Slider	N/A		
3. Casement	N/A		
4. Double Hung	N/A		
5. Fixed	N/A		
6. Awning	N/A		
7. Pass-through	N/A		
8. Projected	N/A		
9. Mullion	GEN ALUM	INSULATED ALUM TILT SASH	8359.5
10. Wind Breaker	N/A		
11. Dual Action	N/A		
12. Other	N/A		
C. PANEL WALL			
1. Siding	JAMES HARDY	7/4 TEXTURED PLANK	FL-889.5
2. Soffits	REYNOLDS	VENTED ALUM SOFFIT	
3. EIFS	N/A		
4. Storefronts	N/A		
5. Curtain walls	N/A		
6. Wall louver	N/A		
7. Glass block	N/A		
8. Membrane	N/A		
9. Greenhouse	N/A		
10. Other	N/A		
D. ROOFING PRODUCTS			
1. Asphalt Shingles	TAMKO	30 YR ARCH FIBERGLASS	1956.3
2. Underlayments	TAMKO	30 LB ASPHALT FELT	FL-4064
3. Roofing Fasteners		1 1/4" GALVANIZED NAILS	
4. Non-structural Metal Deck		26 GAGE X 20" VALLEY METAL	
5. Built-Up Roofing	N/A		
6. Modified Bitumen	N/A		
7. Single Ply Roofing Sys	N/A		
8. Roofing Tiles	N/A		
9. Roofing Insulation	N/A		
10. Waterproofing	N/A		
11. Wood shingles /shakes	N/A		
12. Roofing Slate	N/A		

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys	N/A		
14. Cements-Adhesives – Coatings		PLASTIC CEMENT	
15. Roof Tile Adhesive	N/A		
16. Spray Applied Polyurethane Roof	N/A		
17. Other			
E. SHUTTERS			
1. Accordion	N/A		
2. Bahama	N/A		
3. Storm Panels	N/A		
4. Colonial	N/A		
5. Roll-up	N/A		
6. Equipment	N/A		
7. Others	N/A		
F. SKYLIGHTS			
1. Skylight	N/A		
2. Other	N/A		
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor		HURRICANE ANCHOR BY STRUCT ENG	
2. Truss plates		PER TRUSS ENGINEER - SIMPSON	
3. Engineered lumber		PER STRUCTURAL ENG. IF REQD	
4. Railing	N/A		
5. Coolers-freezers	N/A		
6. Concrete Admixtures	N/A		
7. Material		FIBERMESH	
8. Insulation Forms	N/A		
9. Plastics	N/A		
10. Deck-Roof		7/16 X 4 X 8 REOLINE OSB	
11. Wall		WINDSTORM 4X8 OSB	
12. Sheds	N/A		
13. Other	N/A		
H. NEW EXTERIOR ENVELOPE PRODUCTS		2X4 #2 SYP DOUBLE TOP PLATE	
1.		ALL EXTERIOR WALLS	
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)