

DATE 05/03/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023100

APPLICANT STEVE JACOBS PHONE 497-2667

ADDRESS 553 SW CUMBERLAND ST FORT WHITE FL 32038

OWNER STEVE JACOBS PHONE 497-2667

ADDRESS 553 SW CUMBERLAND ST FORT WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47 S, L 27, R FRY RD, R CUMBERLAND ST, ON CORNER OF BLUEGRASS AND CUMBERLAND

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 43200.00

HEATED FLOOR AREA 864.00 TOTAL AREA 1224.00 HEIGHT 20.40 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 15-7S-16-04226-142 SUBDIVISION SHILOH RIDGE

LOT 42 BLOCK PHASE UNIT TOTAL ACRES 10.00

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

EXISTING 05-0350-E BK N

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

OWNER STATED MH IS TO BE REMOVED AT COMPLETION OF THE SFD.

Check # or Cash 115

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 \$ 220.00 CERTIFICATION FEE \$ 6.12 SURCHARGE FEE \$ 6.12

MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$

FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ TOTAL FEE 282.24

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

#282.24

Revised 9-23-04

For Office Use Only Application # 0504.56 Date Received 4-18-05 By G Permit # 23100
Application Approved by - Zoning Official BLK Date 2.05.05 Plans Examiner OK JTH Date 4-26-05
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments [Signature]

Applicants Name Linda Roder Phone 386-752-2281
Address 387 SW Kemp Ct Lake City, FL 32004
Owners Name Steve Jacobs Phone 386-497-2667
911 Address 553 SW Cumberland St Ft White, FL 32038
Contractors Name Owner-builder - Steve Jacobs Phone 386-497-2667
Address Same
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Nick Geister / Nick Geister
Mortgage Lenders Name & Address NA

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

Property ID Number 15-75-16-04226-140 Estimated Cost of Construction 43,000

Subdivision Name Shiloh Ridge Lot 42 Block Unit Phase

Driving Directions 45 H75 to Hwy 27 go Left 2 miles to Fry Rd
Go right 2 miles to Cumberland St 1st mail box on R (on
corner of Blue Grass and Cumberland)

Type of Construction SFD Number of Existing Dwellings on Property 1 174 will be moved after

Total Acreage 10 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv

Actual Distance of Structure from Property Lines - Front 200' Side 300' Side 300' Rear 400'

Total Building Height 20'4" Number of Stories 1 Heated Floor Area 864 FRONT 250 352 SIDE Roof Pitch 6/12

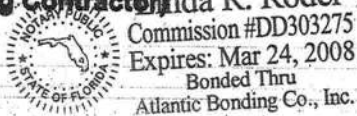
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

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.

Steve C Jacobs
Owner Builder or Agent (Including Contractor) Linda R. Roder

STATE OF FLORIDA
COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me

this 11 day of April 2005

Personally known or Produced Identification

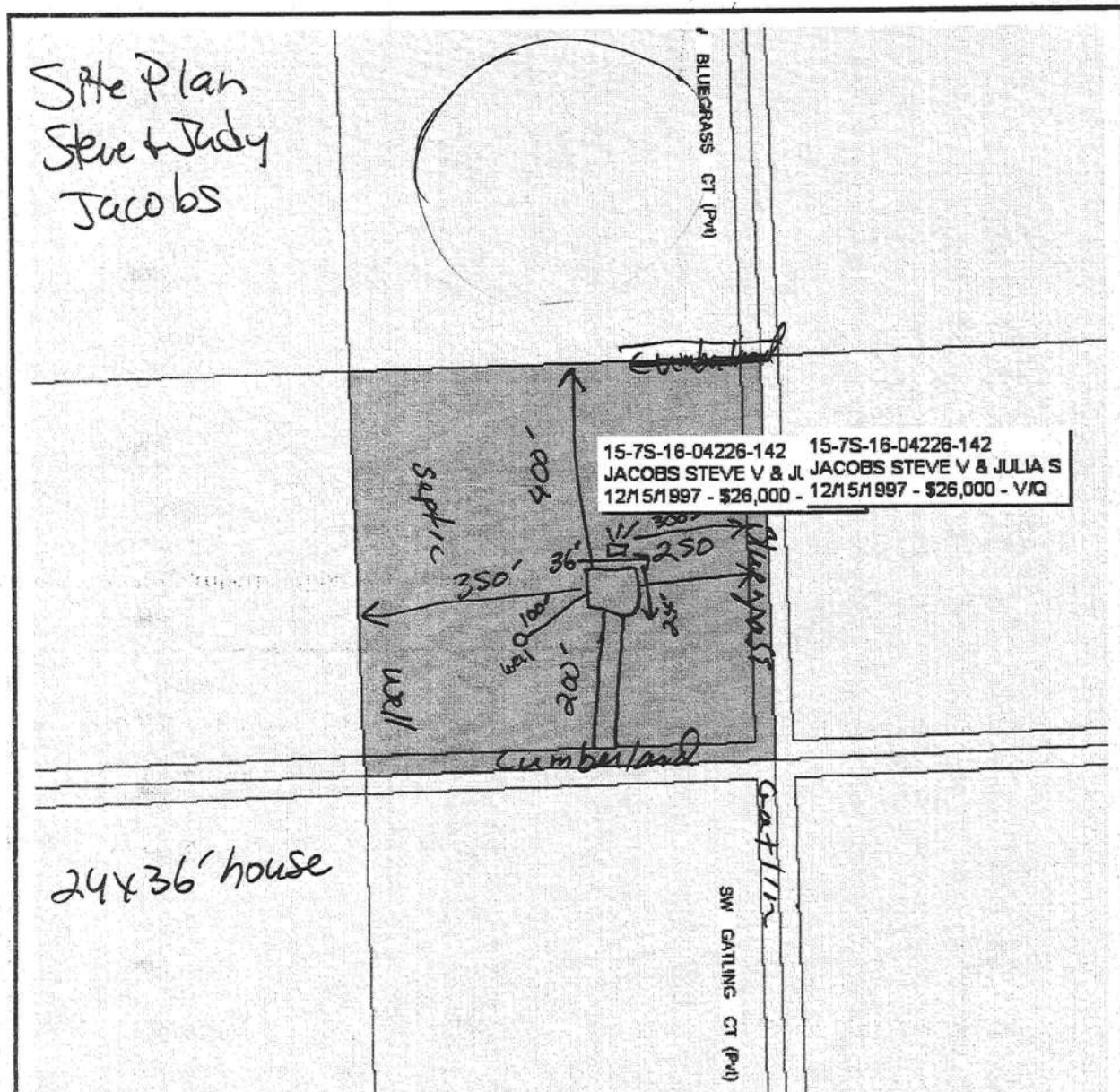
Contractor Signature

Contractors License Number

Competency Card Number

NOTARY STAMP/SEAL

Notary Signature



Columbia County Property Appraiser

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

PARCEL: 15-7S-16-04226-142 HX - MOBILE HOM (000200)COMM NW COR OF SW1/4 OF NE1/4, RUN W 672.55 FT, S 662.08 FT FOR POB,
CONT S 662.08 FT, W

Name: JACOBS STEVE V & JULIA S	LandVal	\$32,030.00
Site: CUMBERLAND	BldgVal	\$14,175.00
Mail: 553 SW CUMBERLAND ST	ApprVal	\$47,005.00
FT WHITE, FL 32038	JustVal	\$47,005.00
Sales 12/15/1997 \$26,000.00V / Q	Assd	\$40,063.00
Info 9/15/1997 \$10,000.00V / U	Exmpt	\$25,000.00
	Taxable	\$15,063.00

0 110 220 330 ft



This information, GIS Map Updated: 3/7/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

FRIER

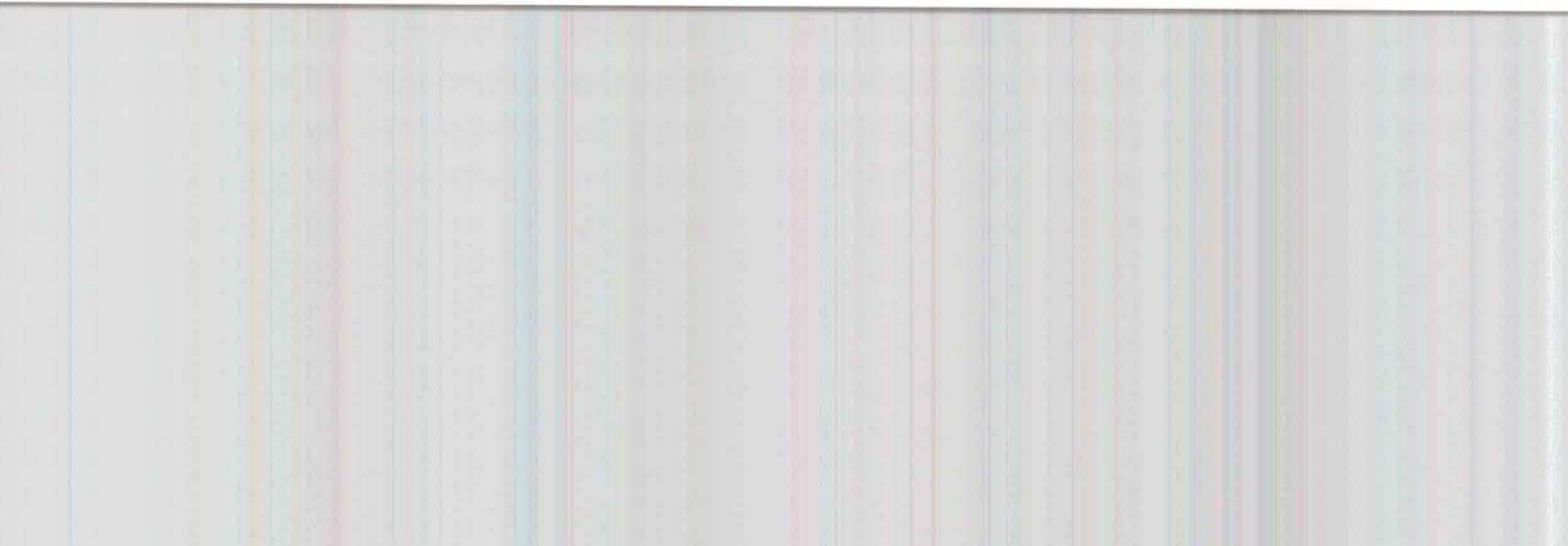
10

ZONE A

0504-56

15

22



8602
WARRANTY DEED
INDIVID TO INDIVID

This Warranty Deed Made the 15th

day of December 1997 by

Christopher H. Vargas, a married person

hereinafter called the grantor, to

Steve C. Jacobs and Julia S. Jacobs, his wife

OFFICIAL RECORDS

whose postoffice address is 23 Walnut Trail S.E.,
hereinafter called the grantee;

Gainesville, GA 30121

(Wherever used herein the terms "grantor" and "grantee" include all the parties in this instrument and
their 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 \$ 10.00 and other valuable
considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, con-
veys and confirms unto the grantee, all that certain land situate in Columbia
County, Florida, viz: R04226-000

See Exhibit "A" attached hereto and by reference made a part
hereof.

FILED AND RECORDED IN BOOK
RECORDS OF COLUMBIA COUNTY

98-00024

1998 JAN -2 AM 11:34

Deed, Warranty, State
Intangible Tax
P. DeWitt Cason
Clerk of Court
By MR

\$182.00

CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA
BY MR DC

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 seised 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, 1997

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:

Dawn W. Herringshaw
DAWNA HERRINGSHAW
Crystal L. Brunner
CRYSTAL L. BRUNNER

STATE OF Florida

COUNTY OF Columbia

Christopher H. Vargas
CHRISTOPHER H. VARGAS

2905 NW 68TH AVE.
Gainesville, FL 32653

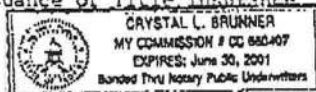
I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the
County aforesaid to take acknowledgements, personally appeared
Christopher H. Vargas, a married person

to me known to be the person described in and who executed the foregoing instrument and
he acknowledged before me that he executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 15th day
of December, A.D. 1997

Michael H. Harrell,
Abstract & Title Services, Inc.
420 West Bay Avenue
Lake City, FL 32025

Pursuant to issuance of Title Insurance



Michael H. Harrell
NOTARY PUBLIC

PERSONALLY KNOWN TO ME
PRODUCED IDENTIFICATION
FLORIDA DRIVER'S LICENSE

EXHIBIT "A"

BK 0851 PG 0780

File #8302

OFFICIAL RECORDS

Lot 42, Shiloh Ridge

Commence at the Northwest corner of the SW 1/4 of the NE 1/4, Section 15, Township 7 South, Range 16 East, Columbia County, Florida and run thence S 89 deg. 01'44" W, 672.55 feet, thence S 00 deg. 47'23" E, 662.08 feet to the Northeast corner of said lot and to the POINT OF BEGINNING, thence continue S 0 deg. 47'23" E, 662.08 feet, thence S 89 deg. 03'48" W, 658.70 feet, thence N 00 deg. 45'48" W, 661.93 feet, thence N 89 deg. 02'46" E, 658.42 feet to the POINT OF BEGINNING. The East 30 feet and the South 30 feet of said lands being subject to an easement for ingress and egress.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS OVER AND ACROSS THE FOLLOWING DESCRIBED PROPERTY:

60-Foot Road Easement

A strip of land 60 feet in width being 30 feet each side of a centerline described as follows:

Commence at the Southeast corner of the SW 1/4 of the NE 1/4, Section 15, Township 6 South, Range 16 East, Columbia County, Florida and run thence S 89 deg 03'48" W, 20.17 feet to the West line of Fry Road and to the Point of Beginning, thence continue S 89 deg 03'48" W, 1976.52 feet to Reference Point "A", thence continue S 89 deg 03'48" W, 1317.40 feet to Reference Point "B", thence continue S 89 deg 03'48" W, 659.08 feet to the Point of Termination. Also begin at Reference Point "A" and run thence N 00 deg 47'23" W, 1324.16 feet, thence N 00 deg 12'04" E, 662.25 feet, thence N 00 deg 47'23" W, 40.00 feet to the Centerpoint of a Cul-de-sac having a radius of 50 feet and to the Point of Termination. Also begin as Reference Point "A" and run thence S 00 deg 47'23" E, 702.12 feet to the Centerpoint of a Cul-de-sac having a radius of 50 feet and to the Point of Termination. Also begin at Reference point "B" and run thence N 00 deg 44'30" W, 1323.37 feet, thence N 00 deg 30'31" W, 701.80 feet to the Centerpoint of a Cul-de-sac having a radius of 50 feet and to the Point of Termination. Also begin at Reference Point "B" and run thence S 00 deg 44'30" E, 701.74 feet to the Centerpoint of a Cul-de-sac having a radius of 50 feet and to the Point of Termination.

CN✓



STATE OF FLORIDA
DEPARTMENT OF HEALTH

05-0350 E

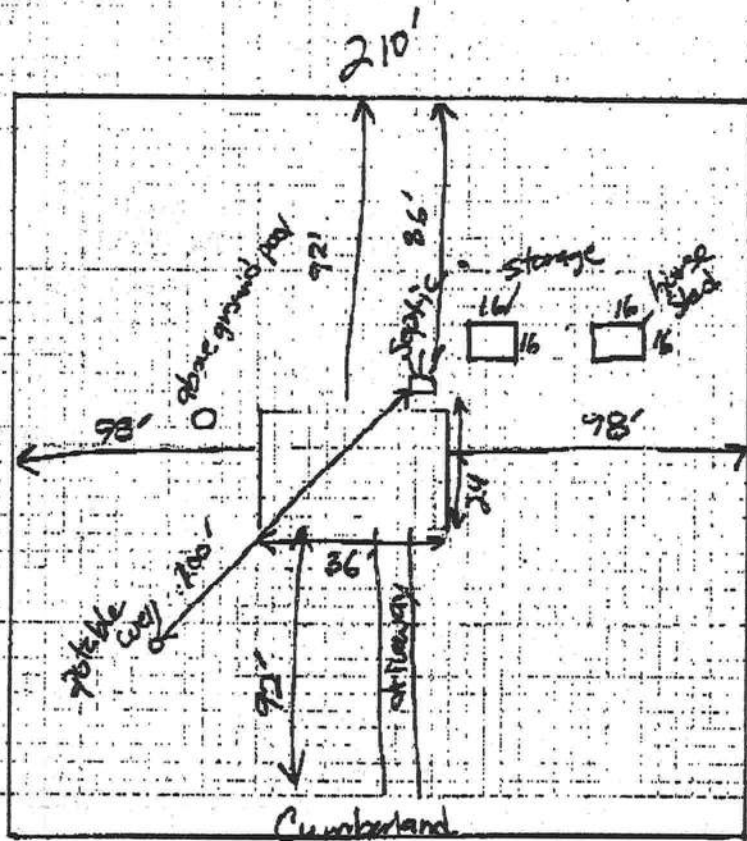
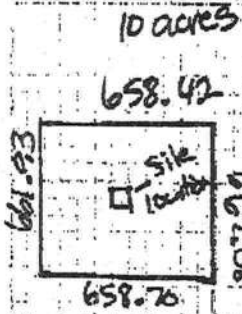
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

PART II - SITE PLAN

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

W N
S E



Notes:

mobile home on lot in same location as house will be moved after permit.

Site Plan submitted by: John Ruder - agent

4-13-05

Plan Approved X

Not Approved

Date 4-18-05

By Sellie Maddy - ESI - COLUMBIA

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

REVISED
4-14-05

RECEIVED
4-14-05



Site Plan

STATE OF FLORIDA
DEPARTMENT OF HEALTH

Steve & Judy Jacobs

65-0350 E

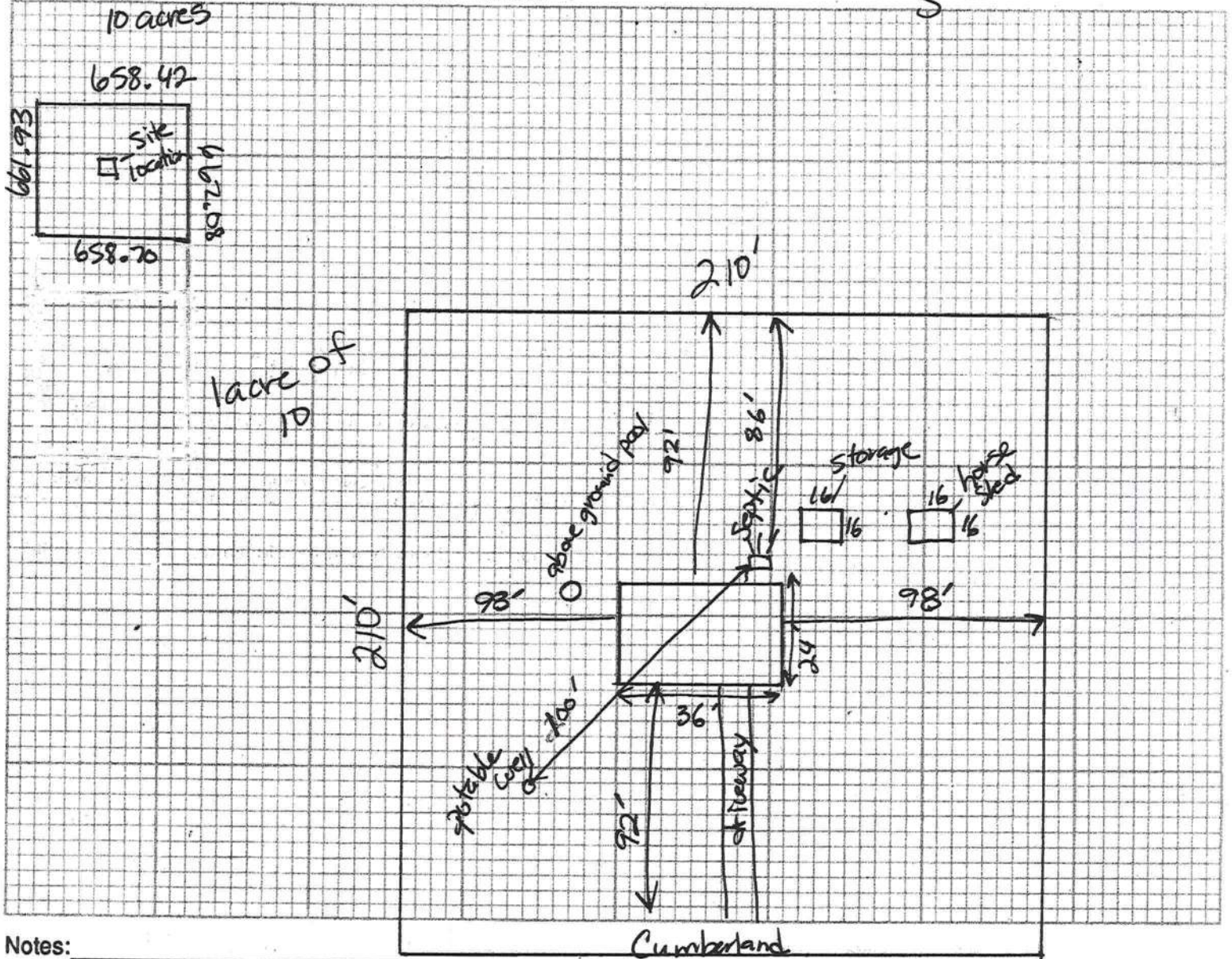
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

Steve & Judy Jacobs

PART II - SITE PLAN

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



Notes: mobile home on lot in same location as house will be moved after permit.

Site Plan submitted by: Steve Jacobs - agent Signature _____ Title 4-13-05
Plan Approved _____ Not Approved _____ Date _____
By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Notice of Authorization

I Steve Jacobs, do hereby authorize Linda Roder or Melanie Roder,

to be my representative and act on my behalf in all aspects of applying for any

building permit to be located in Columbia county.

Any homeowner and legal description

X Steve Jacobs

Contractor's signature (or home-owner)

4-11-05

Date

Sworn and subscribed before me this 11 day of April, 2005

Linda R. Roder

Notary Public



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

My commission expires: 3-24-08
Commission No. DD 303275
Personally known _____
Produced ID (Type): ✓

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 15-75-16-04226-142

1. Description of property: (legal description of the property and street address or 911 address)
553 SW Cumberland St Ft White, FL 32038
10 acres
- Inst: 2005008606 Date: 04/13/2005 Time: 14:51
MK DC, P. DeWitt Cason, Columbia County B: 1043 P: 862
2. General description of improvement: SFD
3. Owner Name & Address Steve Jacobs 553 SW Cumberland St
Ft White, FL 32038 Interest in Property home-site
4. Name & Address of Fee Simple Owner (if other than owner): NA
5. Contractor Name owner-builder Steve Jacobs Phone Number 386-497-2667
Address 553 SW Cumberland St Ft White, FL 32038
6. Surety Holders Name NA Phone Number _____
Address _____
Amount of Bond _____
7. Lender Name NA Phone Number _____
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name NA Phone Number _____
Address _____
9. In addition to himself/herself the owner designates NA of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee NA
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

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

Steve Jacobs
Signature of Owner

Return to:
Steve Jacobs
553 SW Cumberland St
Ft White, FL 32038

Sworn to (or affirmed) and subscribed before
day of April 11, 2005



NOTARY STAMP/SEAL
Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Linda R. Roder
Signature of Notary

DISCLOSURE STATEMENT

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

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

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling
☐ Farm Outbuilding
☐ New Construction

☐ Two-Family Residence

☐ Other _____

☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

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

Steve C Jacobs
Signature

4-11-05

Date

FOR BUILDING USE ONLY

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

Date _____ Building Official/Representative _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	STEVE C. JACOBS	Builder:	STEVE JACOBS
Address:	553 S.W. CUMBERLAND STREET	Permitting Office:	COLUMBIA COUNTY
City, State:	FORT WHITE, FL 32038-	Permit Number:	23100
Owner:	STEVE C. JACOBS	Jurisdiction Number:	22100
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	864 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	42.0 ft² 156.0 ft²	a. PTHP	Cap: 24.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Raised Wood, Post or Pier	R=0.0, 864.0ft²		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.90
a. Frame, Wood, Exterior	R=17.5, 723.5 ft²	b. N/A	
b. N/A		c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	CF,
10. Ceiling types with (RBS)		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 864.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts(RBS)		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 25.0 ft		
b. N/A			

Glass/Floor Area: 0.23

Total as-built points: 11925

Total base points: 12162

PASS

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

PREPARED BY: Larry Richmond A/C
DATE: April 7, 2005

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: _____

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points					
.18	864.0	20.04	3116.6	Double, Clear	E	10.0	8.0	42.0	42.06	0.46	818.2	
				Single, Clear	E	10.0	8.0	42.0	47.92	0.46	932.1	
				Double, Clear	W	10.0	6.0	30.0	38.52	0.43	495.7	
				Double, Clear	S	1.3	6.0	45.0	35.87	0.89	1433.9	
				Double, Clear	N	1.3	6.0	39.0	19.20	0.95	713.2	
				As-Built Total:				198.0		4393.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points					
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5		723.5		1.05		759.7	
Exterior	723.5	1.70	1230.0									
Base Total:		723.5	1230.0	As-Built Total:				723.5		759.7		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points					
Adjacent	0.0	0.00	0.0	Exterior Wood			38.5		6.10		234.8	
Exterior	38.5	6.10	234.8									
Base Total:		38.5	234.8	As-Built Total:				38.5		234.8		
CEILING TYPES Area X BSPM = Points				Type (Rad. Barr.)	R-Value		Area X SPM X SCM = Points					
Under Attic	864.0	1.73	1494.7	Under Attic	30.0		864.0		1.73 X 0.70		1046.3	
Base Total:		864.0	1494.7	As-Built Total:				864.0		1046.3		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points					
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	0.0		864.0		2.80		2421.8	
Raised	864.0	-3.99	-3447.4									
Base Total:			-3447.4	As-Built Total:				864.0		2421.8		
INFILTRATION Area X BSPM = Points								Area X SPM = Points				
		864.0	10.21					864.0		10.21		8821.4

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038- PERMIT #:

BASE				AS-BUILT							
Summer Base Points:		11450.2		Summer As-Built Points:		17677.1					
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	
11450.2		0.4266	4884.7	17677.1		1.000	(1.051 x 1.147 x 0.91)	0.263	0.950	4836.5	
				17677.1		1.00	1.097	0.263	0.950	4836.5	

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT															
GLASS TYPES																			
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang		Area X WPM X WOF = Points												
					Ornt	Len	Hgt												
.18	864.0	12.74	1981.3	Double, Clear	E	10.0	8.0	42.0	18.79	1.35	1063.8								
				Single, Clear	E	10.0	8.0	42.0	26.41	1.35	1494.9								
				Double, Clear	W	10.0	6.0	30.0	20.73	1.21	754.6								
				Double, Clear	S	1.3	6.0	45.0	13.30	1.08	646.8								
				Double, Clear	N	1.3	6.0	39.0	24.58	1.00	960.1								
				As-Built Total:							198.0	4920.1							
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points												
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5		723.5	2.50	1808.8										
Exterior	723.5	3.70	2676.9																
Base Total:				As-Built Total:							1808.8								
DOOR TYPES Area X BWPM = Points <th>Type</th> <th colspan="6">Area X WPM = Points</th>				Type	Area X WPM = Points														
Adjacent	0.0	0.00	0.0	Exterior Wood	38.5 12.30 473.6														
Exterior	38.5	12.30	473.6																
Base Total:				As-Built Total:							473.6								
CEILING TYPES Area X BWPM = Points				Type (Rad. Barr.)	R-Value	Area X WPM X WCM = Points													
Under Attic	864.0	2.05	1771.2	Under Attic	30.0	864.0			2.05 X 0.85 1505.5										
Base Total:				As-Built Total:							1505.5								
FLOOR TYPES Area X BWPM = Points				Type	R-Value				Area X WPM = Points										
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	0.0				864.0 5.76 4981.0										
Raised	864.0	0.96	829.4																
Base Total:				As-Built Total:									4981.0						
INFILTRATION Area X BWPM = Points				Area X WPM = Points															
864.0 -0.59 -509.8				864.0 -0.59 -509.8															

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-	PERMIT #:
---	-----------

BASE				AS-BUILT						
Winter Base Points: 7222.7				Winter As-Built Points: 13179.1						
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	
7222.7		0.6274	4531.5	13179.1	1.000	(1.045 x 1.169 x 0.93)	0.294	1.000	4403.7	
				13179.1	1.00	1.136	0.294	1.000	4403.7	

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

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit Multiplier	= Total
1		2746.00	2746.0	40.0	0.90	1	1.00	2684.98	2685.0
				As-Built Total:					2685.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	= Total Points	Cooling Points	+	Heating Points	= Total Points
4885		4532	12162	4837		4404	11925

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 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.	

25 APRIL 2005

JOE HALTIWANGER, PLAN REVIEWER
COLUMBIA COUNTY BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: MR. & MRS. S. JACOBS RESIDENCE

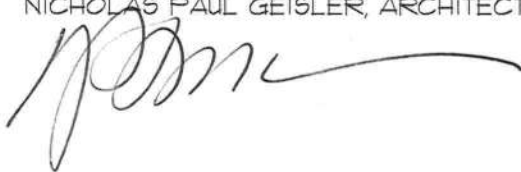
DEAR SIR:

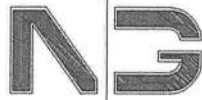
PLEASE BE ADVISED OF THE FOLLOWING ADDITION TO THE CONSTRUCTION
DOCUMENTS FOR THE ABOVE REFERENCED PROJECT:

- 1 PER THE ATTACHED DRAWING, ADD A 32" WIDE CRAWL SPACE ACCESS
OPENING IN THE STEMWALL, CLOSED WITH THE HINGED PANEL AS SHOWN OR
ANY OTHER APPROVED DEVICE.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CALL FOR ASSISTANCE.

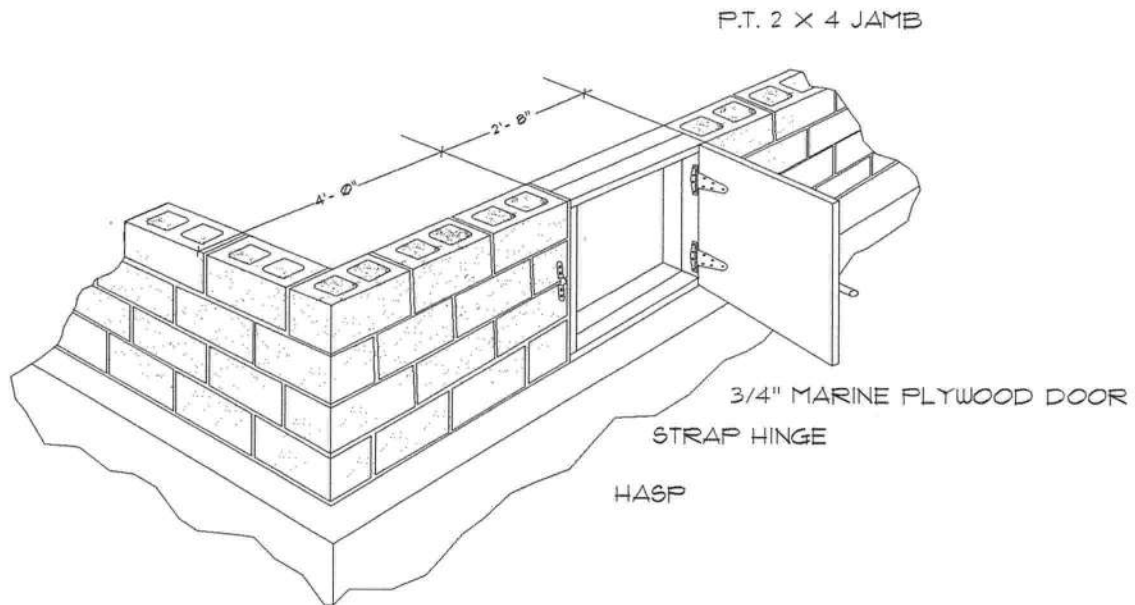
YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005





**NICHOLAS
PAUL
GEISLER**
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021



Crawl Space DETAIL

SCALE: 1/4" = 1' - 0"

NP
ARCHT

FL Reg.: AR0007005 — GA Reg.: 7972 — NC Reg.: 9446

TEMPORARY

COLUMBIA COUNTY OF 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 15-7S-16-04226-142

Building permit No. 000023100

Use Classification SFD, UTILITY

Fire: .00

Permit Holder OWNER BUILDER

Waste: .00

Owner of Building STEVE JACOBS

Total: .00

Location: 553 SW CUMBERLAND STREET(SHILOH RIDGE, LOT 42)

Date: 09/20/2005



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

N3
**NICHOLAS
PAUL
GEISLER**
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

26 JULY 2005

RANDY JONES, BUILDING INSPECTOR
COLUMBIA COUNTY BUILDING DEPARTMENT
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: STEVE JACOBS RESIDENCE, FORT WHITE, FL
PERMIT Nr.: 23100

DEAR MR. JONES:

PLEASE BE ADVISED THAT I HAVE INSPECTED THE ABOVE REFERENCED PROJECT AT THE FINAL FRAMING STAGE, LAST FRIDAY AFTERNOON, 22 JULY 2005. THE FOLLOWING DIRECTIONS WERE GIVEN TO THE OWNER AND THE FRAMER:

WHERE THE TRUSSES HAVE BEEN DOUBLED TO PROVIDE AN ACCESS OPENING TO THE ATTIC ROOM, THE TWO PLYS OF THE RESULTING "GIRDER" SHALL BE NAILED TOGETHER WITH 2 - 10d NAILS AT 12" O.C., EACH FACE OF THE GIRDER, BOTH TOP AND BOTTOM CHORDS.

THE CHANGE FROM LVL PORCH BEAMS TO A DBL 2X12 WITH 1/2" PLYWOOD FLITCH PLATE IS APPROVED. THE BEARING AT THE WALL IS BY BOTH A STEEL TOP FLANGE DEVICE AND VIA A 4X4 P/T WOOD POST. THE BEARING AT THE CORNER POST IS A STAGGERED, LAPPED 90° JOINT AND IS APPROVED.

SHOULD YOU HAVE ANY QUESTION WITH THE FOREGOING, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005




FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	STEVE AND JUDY JACOBS	Builder:	
Address:	553 S.W. CUMBERLAND STREET	Permitting Office:	COLUMBIA COUNTY
City, State:	FORT WHITE, FL 32038-	Permit Number:	23100
Owner:	STEVE AND JUDY JACOBS	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: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1440 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	42.0 ft² 156.0 ft²	a. PTHP	Cap: 30.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Raised Wood, Post or Pier			
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.90
a. Frame, Wood, Exterior		b. N/A	
b. N/A		c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	CF,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1440.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.14	Total as-built points: 17215	PASS
	Total base points: 19240	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	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.	
PREPARED BY: Larry Resmondo ALC		
DATE: July 28, 2005		
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.		
OWNER/AGENT:	BUILDING OFFICIAL:	
DATE:	DATE:	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1440.0	20.04	5194.4	Double, Clear	E	10.0	8.0	42.0	42.06	0.46	818.2
				Single, Clear	E	10.0	8.0	42.0	47.92	0.46	932.1
				Double, Clear	W	10.0	6.0	30.0	38.52	0.43	495.7
				Double, Clear	S	1.3	6.0	45.0	35.87	0.89	1433.9
				Double, Clear	N	1.3	6.0	39.0	19.20	0.95	713.2
				As-Built Total:							198.0
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5			1555.5	1.05	1633.3	
Exterior	1555.5	1.70	2644.4								
Base Total:		1555.5	2644.4	As-Built Total:			1555.5		1633.3		
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				38.5	6.10	234.8	
Exterior	38.5	6.10	234.8								
Base Total:		38.5	234.8	As-Built Total:			38.5		234.8		
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1440.0	1.73	2491.2	Under Attic	30.0			1440.0	1.73 X 1.00	2491.2	
Base Total:		1440.0	2491.2	As-Built Total:			1440.0		2491.2		
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	0.0			1440.0	2.80	4036.3	
Raised	1440.0	-3.99	-5745.6								
Base Total:		-5745.6		As-Built Total:			1440.0		4036.3		
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
		1440.0	10.21				1440.0	10.21	14702.4		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 19521.6				Summer As-Built Points: 27491.1							
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
19521.6		0.4266	8327.9	27491.1		1.000	(1.090 x 1.147 x 0.91)	0.263	0.950		7800.8
				27491.1		1.00	1.138	0.263	0.950		7800.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

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	1440.0	12.74	3302.2	Double, Clear	E	10.0	8.0	42.0	18.79	1.35	1063.8
				Single, Clear	E	10.0	8.0	42.0	26.41	1.35	1494.9
				Double, Clear	W	10.0	6.0	30.0	20.73	1.21	754.6
				Double, Clear	S	1.3	6.0	45.0	13.30	1.08	646.8
				Double, Clear	N	1.3	6.0	39.0	24.58	1.00	960.1
				As-Built Total:						198.0	4920.1
WALL TYPES				Area X BWPM = Points							
				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5			1555.5	2.50		3888.8
Exterior	1555.5	3.70	5755.4								
Base Total:		1555.5	5755.4	As-Built Total:				1555.5	3888.8		
DOOR TYPES				Area X BWPM = Points							
				Type				Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				38.5	12.30		473.6
Exterior	38.5	12.30	473.6								
Base Total:		38.5	473.6	As-Built Total:				38.5	473.6		
CEILING TYPES				Area X BWPM = Points							
				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1440.0	2.05	2952.0	Under Attic	30.0			1440.0	2.05 X 1.00		2952.0
Base Total:		1440.0	2952.0	As-Built Total:				1440.0	2952.0		
FLOOR TYPES				Area X BWPM = Points							
				Type	R-Value			Area X WPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	0.0			1440.0	5.76		8301.6
Raised	1440.0	0.96	1382.4								
Base Total:			1382.4	As-Built Total:				1440.0	8301.6		
INFILTRATION				Area X BWPM = Points							
							Area X WPM = Points				
		1440.0	-0.59					1440.0	-0.59		-849.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 13015.9				Winter As-Built Points: 19686.4									
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
13015.9		0.6274	8166.2	19686.4		1.000		(1.069 x 1.169 x 0.93)		0.294		1.000	6729.2
				19686.4		1.00		1.162		0.294		1.000	6729.2

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE					AS-BUILT								
WATER HEATING													
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	X	Multiplier X Credit Multiplier	=	Total
1		2746.00		2746.0	40.0	0.90	1		1.00		2684.98	1.00	2685.0
					As-Built Total:								2685.0

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	
8328		8166		2746		19240	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

STEVE AND JUDY JACOBS, 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

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: 13.00
4. Number of Bedrooms	1	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft²)	1440	ft²	___	___
7. Glass area & type	Single Pane	Double Pane	13. Heating systems	
a. Clear glass, default U-factor	42.0	ft²	a. PTHP	Cap: 30.0 kBtu/hr
b. Default tint, default U-factor	0.0	ft²		COP: 3.40
c. Labeled U-factor or SHGC	0.0	ft²	b. N/A	___
8. Floor types			c. N/A	___
a. Raised Wood, Post or Pier	R=0.0,	1440.0ft²	___	___
b. N/A	___	___	14. Hot water systems	
c. N/A	___	___	a. Electric Resistance	Cap: 40.0 gallons
9. Wall types				EF: 0.90
a. Frame, Wood, Exterior	R=17.5,	1555.5 ft²	b. N/A	___
b. N/A	___	___	c. Conservation credits	___
c. N/A	___	___	(HR-Heat recovery, Solar	___
d. N/A	___	___	DHP-Dedicated heat pump)	___
e. N/A	___	___	15. HVAC credits	CF, ___
10. Ceiling types			(CF-Ceiling fan, CV-Cross ventilation,	___
a. Under Attic	R=30.0,	1440.0 ft²	HF-Whole house fan,	___
b. N/A	___	___	PT-Programmable Thermostat,	___
c. N/A	___	___	MZ-C-Multizone cooling,	___
11. Ducts			MZ-H-Multizone heating)	___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0,	35.0 ft	___	___
b. N/A	___	___	___	___

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

Builder Signature: _____ Date: _____

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



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

EnergyGauge® (Version: FLRCPB v3.4)

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A


Project Name:	STEVE AND JUDY JACOBS	Builder:	
Address:	553 S.W. CUMBERLAND STREET	Permitting Office:	COLUMBIA COUNTY
City, State:	FORT WHITE, FL 32038-	Permit Number:	
Owner:	STEVE AND JUDY JACOBS	Jurisdiction Number:	
Climate Zone:	North		

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: 13.00
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1440 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	42.0 ft² 156.0 ft²	a. PTHP	Cap: 30.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Raised Wood, Post or Pier	R=0.0, 1440.0ft²		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.90
a. Frame, Wood, Exterior	R=17.5, 1555.5 ft²	b. N/A	
b. N/A		c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	CF,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1440.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.14

Total as-built points: 17215
Total base points: 19240

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	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.	
PREPARED BY: <u>Larry Resmondo A/c</u>	BUILDING OFFICIAL: _____	
DATE: <u>July 28, 2005</u>	DATE: _____	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.		
OWNER/AGENT: _____		
DATE: _____		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT									
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X	SPM X	SOF = Points				
.18	1440.0	20.04	5194.4	Double, Clear	E	10.0	8.0	42.0	42.06	0.46	818.2		
				Single, Clear	E	10.0	8.0	42.0	47.92	0.46	932.1		
				Double, Clear	W	10.0	6.0	30.0	38.52	0.43	495.7		
				Double, Clear	S	1.3	6.0	45.0	35.87	0.89	1433.9		
				Double, Clear	N	1.3	6.0	39.0	19.20	0.95	713.2		
				As-Built Total:							198.0	4393.0	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	= Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5		1555.5	1.05	1633.3				
Exterior	1555.5	1.70	2644.4										
Base Total:				1555.5		2644.4		As-Built Total:				1555.5	1633.3
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	= Points				
Adjacent	0.0	0.00	0.0	Exterior Wood	38.5		6.10	234.8					
Exterior	38.5	6.10	234.8										
Base Total:				38.5		234.8		As-Built Total:				38.5	234.8
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X	SCM	= Points			
Under Attic	1440.0	1.73	2491.2	Under Attic	30.0		1440.0	1.73 X	1.00	2491.2			
Base Total:				1440.0		2491.2		As-Built Total:				1440.0	2491.2
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	= Points				
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	0.0		1440.0	2.80	4036.3				
Raised	1440.0	-3.99	-5745.6										
Base Total:				-5745.6		4036.3		As-Built Total:				1440.0	4036.3
INFILTRATION Area X BSPM = Points						Area X		SPM	= Points				
						1440.0		10.21	14702.4				

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 19521.6				Summer As-Built Points: 27491.1						
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
19521.6		0.4266	8327.9	27491.1		1.000	(1.090 x 1.147 x 0.91)	0.263	0.950	7800.8
				27491.1		1.00	1.138	0.263	0.950	7800.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT											
GLASS TYPES															
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang		Area X WPM X WOF = Points								
					Ornt	Len	Hgt								
.18	1440.0	12.74	3302.2	Double, Clear	E	10.0	8.0	42.0	18.79	1.35	1063.8				
				Single, Clear	E	10.0	8.0	42.0	26.41	1.35	1494.9				
				Double, Clear	W	10.0	6.0	30.0	20.73	1.21	754.6				
				Double, Clear	S	1.3	6.0	45.0	13.30	1.08	646.8				
				Double, Clear	N	1.3	6.0	39.0	24.58	1.00	960.1				
				As-Built Total:							198.0	4920.1			
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points								
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5		1555.5	2.50	3888.8						
Exterior	1555.5	3.70	5755.4												
Base Total:				As-Built Total:											
1555.5				1555.5											
5755.4				3888.8											
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points										
Adjacent	0.0	0.00	0.0	Exterior Wood			38.5	12.30	473.6						
Exterior	38.5	12.30	473.6												
Base Total:				As-Built Total:											
38.5				38.5											
473.6				473.6											
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points								
Under Attic	1440.0	2.05	2952.0	Under Attic	30.0		1440.0	2.05 X 1.00		2952.0					
Base Total:				As-Built Total:											
1440.0				1440.0											
2952.0				2952.0											
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points								
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	0.0		1440.0	5.76	8301.6						
Raised	1440.0	0.96	1382.4												
Base Total:				As-Built Total:											
1382.4				1440.0											
8301.6				8301.6											
INFILTRATION Area X BWPM = Points				Area X WPM = Points											
1440.0				1440.0											
-0.59				-0.59											
-849.6				-849.6											

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		13015.9		Winter As-Built Points:							19686.4
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
13015.9		0.6274	8166.2	19686.4		1.000	(1.069 x 1.169 x 0.93)	0.294	1.000		6729.2
				19686.4		1.00	1.162	0.294	1.000		6729.2

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

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

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 Multiplier = Total
1		2746.00		2746.0	40.0	0.90	1		1.00	2684.98 1.00 2685.0
					As-Built Total:					2685.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
8328		8166		2746 19240	7801		6729		2685 17215

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

STEVE AND JUDY JACOBS, 553 S.W. CUMBERLAND STREET, FORT WHITE, FL, 32038-

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: 13.00
4. Number of Bedrooms	1	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1440 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane	13. Heating systems	
a. Clear glass, default U-factor	42.0 ft ²	156.0 ft ²	a. PTHP	Cap: 30.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft ²	0.0 ft ²		COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft ²	0.0 ft ²	b. N/A	___
8. Floor types			c. N/A	___
a. Raised Wood, Post or Pier	R=0.0, 1440.0ft ²	___		___
b. N/A	___	___	14. Hot water systems	
c. N/A	___	___	a. Electric Resistance	Cap: 40.0 gallons
9. Wall types				EF: 0.90
a. Frame, Wood, Exterior	R=17.5, 1555.5 ft ²	___	b. N/A	___
b. N/A	___	___	c. Conservation credits	___
c. N/A	___	___	(HR-Heat recovery, Solar	___
d. N/A	___	___	DHP-Dedicated heat pump)	___
e. N/A	___	___	15. HVAC credits	CF, ___
10. Ceiling types			(CF-Ceiling fan, CV-Cross ventilation,	___
a. Under Attic	R=30.0, 1440.0 ft ²	___	HF-Whole house fan,	___
b. N/A	___	___	PT-Programmable Thermostat,	___
c. N/A	___	___	MZ-C-Multizone cooling,	___
11. Ducts			MZ-H-Multizone heating)	___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft	___		___
b. N/A	___	___		___
	___	___		___
	___	___		___

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

Builder Signature: _____ Date: _____

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



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

EnergyGauge® (Version: FLRCPB v3.4)



DUCT SYSTEM SUMMARY

Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

	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
Friction Rate:	0.100 in/100ft	0.100 in/100ft
Actual AVF:	1250 cfm	1250 cfm

Total Effective Length (TEL): 85 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
FIRST FLOOR	7875	3723	185	199	0.100	451	9	0x 0	VIFx	st1
FIRST FLOOR-A	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1A
FIRST FLOOR-B	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1
FIRST FLOOR-C	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1
FIRST FLOOR-D	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1
SECOND FLOOR	6918	2383	163	127	0.100	466	8	0x 0	VIFx	st1B
SECOND FLOOR-A	6918	2383	163	127	0.100	466	8	0x 0	VIFx	st1A

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1250	1250	793	17	0 x 0	VinFlx	st1 st1A
st1A	Peak AVF	510	454	649	12	0 x 0	VinFlx	
st1B	Peak AVF	163	127	466	8	0 x 0	VinFlx	

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	53205	23374	1250	1250	0.100	635	19	0x 0	RtFg	

Bold/italic values have been manually overridden



RIGHT-J BUILDING ANALYSIS REPORT

Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

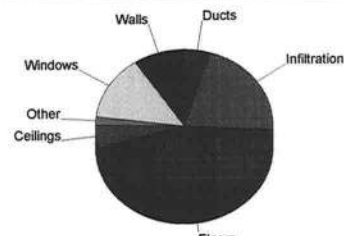
For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

Design Information

	Htg	Clg	Method	Infiltration	Simplified
Outside db (°F)	17	91			Average
Inside db (°F)	70	75	Construction quality		0
Design TD (°F)	53	16	Fireplaces		
Daily range	-	M			
Inside humidity (%)	-	50			
Moisture difference (gr/lb)	-	35			

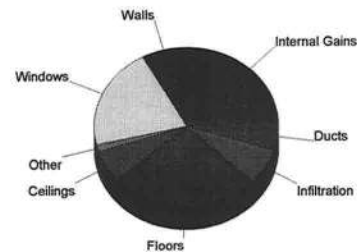
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	3.2	4946	9.3
Windows	36.6	7239	13.6
Doors	24.4	939	1.8
Ceilings	1.7	2519	4.7
Floors	16.5	23812	44.8
Infiltration	47.4	11216	21.1
Ducts		2534	4.8
Total		53204	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	1829	7.8
Windows	24.5	4849	20.7
Doors	9.0	347	1.5
Ceilings	1.1	1521	6.5
Floors	4.2	6114	26.2
Infiltration	7.2	1693	7.2
Ducts		1319	5.6
Internal gains		5700	24.4
Total		23373	100.0



Cooling at 89 % SHR = 2.1 ton

Cooling at 70 % SHR = 2.7 ton

Cooling air flow = 591 cfm/ton

Cooling at 400 cfm/ton = 3.1 ton

Overall U-Value = 0.159 Btuh/ft²-°F

Data entries checked.



RIGHT-J LOAD AND EQUIPMENT SUMMARY

Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

Notes:

Design Information

Weather: Washington National AP, DC, US

Winter Design Conditions

Outside db	17 °F
Inside db	70 °F
Design TD	53 °F

Summer Design Conditions

Outside db	91 °F
Inside db	75 °F
Design TD	16 °F
Daily range	M
Relative humidity	50 %
Moisture difference	35 gr/lb

Heating Summary

Building heat loss	53204 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	53204 Btuh

Sensible Cooling Equipment Load Sizing

Structure	23373 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.96
Total sens. equip. load	22438 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Internal gains	690 Btuh
Ventilation	0 Btuh
Infiltration	2267 Btuh
Total latent equip. load	2957 Btuh

	Heating	Cooling
Area (ft ²)	1440	1440
Volume (ft ³)	11520	11520
Air changes/hour	1.0	0.5
Equiv. AVF (cfm)	192	96

Total equipment load	25394 Btuh
----------------------	------------

Heating Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA

Efficiency	8.0 HSPF
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	1250 cfm
Heating air flow factor	0.023 cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA
UBHJ-21+RCHJ-36A1

Efficiency	13.0 SEER
Sensible cooling	19600 Btuh
Latent cooling	8400 Btuh
Total cooling	28000 Btuh
Actual cooling fan	1250 cfm
Cooling air flow factor	0.053 cfm/Btuh

Load sensible heat ratio	89 %
--------------------------	------

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J SHORT FORM Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	17	91	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	53	16	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	35		

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA

Efficiency 8.0 HSPF
Heating input 0 Btuh
Heating output 0 Btuh
Heating temperature rise 0 °F
Actual heating fan 1250 cfm
Heating air flow factor 0.023 cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA
UBHJ-21+RCHJ-36A1

Efficiency 13.0 SEER
Sensible cooling 19600 Btuh
Latent cooling 8400 Btuh
Total cooling 28000 Btuh
Actual cooling fan 1250 cfm
Cooling air flow factor 0.053 cfm/Btuh

Load sensible heat ratio 89 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
FIRST FLOOR	864	39367	18607	925	995
SECOND FLOOR	576	13837	4766	325	255
Entire House	1440	53204	23373	1250	1250
Ventilation air		0	0		
Equip. @ 0.96 RSM			22438		
Latent cooling			2957		
TOTALS	1440	53204	25394	1250	1250

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



DUCT SYSTEM SUMMARY

Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

External Static Pressure:	HEATING 0.10 in H2O	COOLING 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
Friction Rate:	0.100 in/100ft	0.100 in/100ft
Actual AVF:	1250 cfm	1250 cfm

Total Effective Length (TEL): 85 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
FIRST FLOOR	7875	3723	185	199	0.100	451	9	0x 0	VIFx	st1
FIRST FLOOR-A	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1A
FIRST FLOOR-B	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1
FIRST FLOOR-C	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1
FIRST FLOOR-D	7873	3721	185	199	0.100	450	9	0x 0	VIFx	st1
SECOND FLOOR	6918	2383	163	127	0.100	466	8	0x 0	VIFx	st1B
SECOND FLOOR-A	6918	2383	163	127	0.100	466	8	0x 0	VIFx	st1A

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1250	1250	793	17	0 x 0	VinIFlx	st1 st1A
st1A	Peak AVF	510	454	649	12	0 x 0	VinIFlx	
st1B	Peak AVF	163	127	466	8	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	53205	23374	1250	1250	0.100	635	19	0x 0	RtFg	

Bold/italic values have been manually overridden



RIGHT-J BUILDING ANALYSIS REPORT

Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

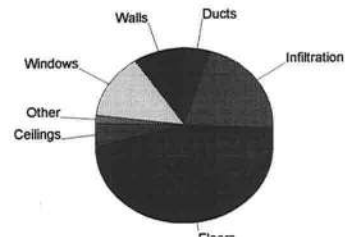
For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

Design Information

	Htg	Clg	Method	Infiltration	Simplified
Outside db (°F)	17	91			Average
Inside db (°F)	70	75	Construction quality		0
Design TD (°F)	53	16	Fireplaces		
Daily range	-	M			
Inside humidity (%)	-	50			
Moisture difference (gr/lb)	-	35			

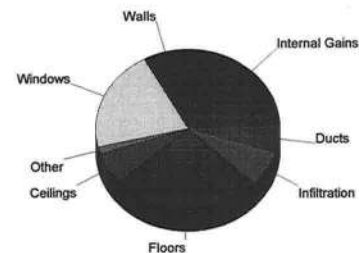
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	3.2	4946	9.3
Windows	36.6	7239	13.6
Doors	24.4	939	1.8
Ceilings	1.7	2519	4.7
Floors	16.5	23812	44.8
Infiltration	47.4	11216	21.1
Ducts		2534	4.8
Total		53204	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	1829	7.8
Windows	24.5	4849	20.7
Doors	9.0	347	1.5
Ceilings	1.1	1521	6.5
Floors	4.2	6114	26.2
Infiltration	7.2	1693	7.2
Ducts		1319	5.6
Internal gains		5700	24.4
Total		23373	100.0



Cooling at 89 % SHR = 2.1 ton

Cooling at 70 % SHR = 2.7 ton

Cooling air flow = 591 cfm/ton

Cooling at 400 cfm/ton = 3.1 ton

Overall U-Value = 0.159 Btuh/ft²-°F

Data entries checked.



RIGHT-J LOAD AND EQUIPMENT SUMMARY

Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

Notes:

Design Information

Weather: Washington National AP, DC, US

Winter Design Conditions

Outside db	17 °F
Inside db	70 °F
Design TD	53 °F

Summer Design Conditions

Outside db	91 °F
Inside db	75 °F
Design TD	16 °F
Daily range	M
Relative humidity	50 %
Moisture difference	35 gr/lb

Heating Summary

Building heat loss	53204 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	53204 Btuh

Sensible Cooling Equipment Load Sizing

Structure	23373 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.96
Total sens. equip. load	22438 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Internal gains	690 Btuh
Ventilation	0 Btuh
Infiltration	2267 Btuh
Total latent equip. load	2957 Btuh

	Heating	Cooling
Area (ft²)	1440	1440
Volume (ft³)	11520	11520
Air changes/hour	1.0	0.5
Equiv. AVF (cfm)	192	96

Total equipment load	25394 Btuh
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Heating Equipment Summary

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Trade Ruud UPMB Series
UPMB-030JA

Efficiency	8.0 HSPF
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	1250 cfm
Heating air flow factor	0.023 cfm/Btuh

Cooling Equipment Summary

Make RUUD AIR COND
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UPMB-030JA
UBHJ-21+RCHJ-36A1

Efficiency	13.0 SEER
Sensible cooling	19600 Btuh
Latent cooling	8400 Btuh
Total cooling	28000 Btuh
Actual cooling fan	1250 cfm
Cooling air flow factor	0.053 cfm/Btuh

Space thermostat

Load sensible heat ratio	89 %
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RIGHT-J SHORT FORM Entire House

LARRY RESMONDO AIR CONDITIONING

Job: MR. AND MRS. JACOBS
7/28/05

715 N.W. 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843

Project Information

For: MR. AND MRS. STEVE JACOBS
553 S.W CUMBERLAND STREET, FORT WHITE, FL 32038
Phone: 497-2667

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COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 15-7S-16-04226-142

Building permit No. 000023100

Use Classification SFD, UTILITY

Fire: .00

Permit Holder OWNER BUILDER

Waste: .00

Owner of Building STEVE JACOBS

Total: _____

Location: 553 SW CUMBERLAND STREET(SHILOH RIDGE, LOT 42)

Date: 9/30/05

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

