DATE 06/25/2004

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000022013

APPLICANT BEN CADY PHONE 754-1396

ADDRESS 1030 SW RSSBOURGH COURT APT 102 LAKE CITY FL 32055

OWNER BEN CADY PHONE 754-1396

ADDRESS 625 SW STONERIDGE DRIVE LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47S, TL ON WALTER AVE, TL INTO ROSE CREEK, TURN ON STONERIDGE DRIVE, HOUSE ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 106850.00

HEATED FLOOR AREA 2137.00 TOTAL AREA 2703.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 12/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 27

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

NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 12-5S-16-03406-216 SUBDIVISION ROSE CREEK

LOT 16 BLOCK PHASE UNIT TOTAL ACRES 2.50

000000341 N Rebecca Cady

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

PERMIT 04-0495-N BK JK Y

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

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 105

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 $ 535.00 CERTIFICATION FEE $ 13.52 SURCHARGE FEE $ 13.52

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

FLOOD ZONE DEVELOPMENT FEE $ CULVERT FEE $ 25.00 **TOTAL FEE** 637.04

INSPECTORS OFFICE Mike Tedder CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 04-152
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2004009177 Date:04/22/2004 Time:14:38
Doc Stamp-Deed : 168.70
DC,P.DeWitt Cason,Columbia County B:1013 P:697

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number Part of R03406-116

WARRANTY DEED

THIS INDENTURE, made this 16th day of April, 2004, BETWEEN CURT D. CADY and KATHIE CADY, Husband and Wife, of the County of Columbia, State of Florida, grantor*, and BENJAMIN CADY and REBECCA CADY, Husband and Wife whose post office address is 1030 SW Rossborough Court, Apt 102, Lake City, FL 32025, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Inst:2004009177 Date:04/22/2004 Time:14:38
Doc Stamp-Deed : 168.70
DC,P.DeWitt Cason,Columbia County B:1013 P:698

Signed, sealed and delivered
in our presence:

Laura Kirsch
(Signature of First Witness)
LAURA KIRSCH
(Typed Name of First Witness)

Jake Kirsch
(Signature of Second Witness)
JAKE KIRSCH
(Typed Name of Second Witness)

Curt D. Cady (SEAL)
Grantor
CURT D. CADY
Printed Name

Kathie Cady (SEAL)
Grantor
KATHIE CADY
Printed Name

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 16th day of April, 2004, by CURT D. CADY and KATHIE CADY, Husband and Wife who are personally known to me or who have produced N/A as identification and who did not take an oath.

My Commission Expires:

BRANDON J. STEELE
MY COMMISSION # DD 302024
EXPIRES: April 10, 2008
Bonded Thru Notary Public Underwriters

Notary Public
Printed, typed, or stamped name:

Inst:2004009177 Date:04/22/2004 Time:14:38
Doc Stamp-Deed : 168.70
DC,P.DeWitt Cason,Columbia County B:1013 P:699

EXHIBIT "A"

A part of Lot 16, of "ROSE CREEK PLANTATION, PHASE II" as per plat thereof recorded in Plat Book 7, Pages 28 and 29 of the public records of Columbia County, Florida, more particularly described as follows:

Commence at the NE Corner of the NE 1/4 of the NW 1/4 of Section 12, Township 5 South, Range 16 East, also known as P.R.M. 12 as per said plat and run S 00 deg. 08'11" W, 139.72 feet to the Point of Beginning; thence S 88 deg. 30'50" W, 567.01 feet to a point on a curve of a curve having a radius of 1970.00 feet and an included angle of 05 deg. 40'30"; thence run Southeasterly along the arc of said curve an arc distance of 195.12 feet; thence S 90 deg. 00'00" E, 526.83 feet; thence N 00 deg. 08'11" W, 205.71 feet to the Point of Beginning. Columbia County, Florida.

Columbia County Building Permit Application

For Office Use Only Application # 0406-46 Date Received 6/16/04 By JW Permit # 341/22013

Application Approved by - Zoning Official LH Date 6-23-04 Plans Examiner _____ Date _____

Flood Zone X PP Development Permit N/A Zoning A-3 Land Use Plan Map Category AG

Comments _____

Applicants Name BEN CADY/REBECCA CADY Phone 386-754-1396

Address 1030 SW ROSSBOURGH CT APT 102 LAKE CITY FL

Owners Name BEN CADY Phone 386-754-1396

911 Address 625 SW STONERIDGE DR LAKE CITY FL 32024

Contractors Name BEN CADY Phone 386-752-8434

Address PO BOX 123 LAKE CITY FL 32056

Fee Simple Owner Name & Address SAME AS

Bonding Co. Name & Address NONE

Architect/Engineer Name & Address MARK O'BOSKEY

Mortgage Lenders Name & Address ROB BURNES HWY 90 WEST

Property ID Number 12-5S-16-03-406-216 Estimated Cost of Construction 140.000

Subdivision Name ROSE CREEK Lot 16 Block ____ Unit 2 Phase ____

Driving Directions 47 TO WALTER AVE-2 MILES TO ROSE CREEK 47-S TO WATER AVE. L SO 1½ to 2 miles to ENTRANCE ROSE CREEK ON L, GO DOWN TO (STONERIDGE DR.) IT'S ON THE LEFT. CADY HOMES + REMODELING

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage 2.5 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 220 FT Side 75 FT Side 75 FT Rear 245 FT

Total Building Height 27 AT HIGHEST PEAK Number of Stories 1.5 Heated Floor Area 2500 Roof Pitch 12/12

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 COMMENCMENT 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.

BW

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 24th day of May 2004.

Personally known ✓ or Produced Identification _____

BW OWNER

Contractor Signature

Contractors License Number _____

Competency Card Number _____

NOTARY STAMP/SEAL

Andrew M. Carrender
MY COMMISSION # DD149879 EXPIRES
September 15, 2006
BONDED THRU TROY FAIN INSURANCE, INC.

Andrew M Carrender

Notary Signature

03406-216

COLUMBIA COUNTY, FLORIDA
LAND DEVELOPMENT REGULATION ADMINISTRATOR
SPECIAL FAMILY LOT PERMIT APPLICATION

A special family lot permit may be issued by the Land Development Regulation Administrator on land zoned Agricultural or Environmentally Sensitive Area within these land development regulations, for the purpose of conveying a lot or parcel to an individual who is the parent, grandparent, sibling, child or adopted child or grandchild of the person who conveyed the parcel to said individual, not to exceed two (2) dwelling units per one (1) acre and the lot complies with all other conditions from permitting development as set forth in these land development regulations. This provision is intended to promote the perpetuation of the family homestead in rural areas by making it possible for family members to reside on lots, which exceed maximum density for such areas, provided that the lot complies with the following conditions for permitting:

1. The division of lots shall be by recorded separate deed and meet all other applicable land development regulations; and
2. The lot split or subdivision is for the establishment of a homestead of that relative and the lot so conveyed is at least one-half (1/2) acre in size and the remaining lot is at least one-half (1/2) acre in size; and
3. The family lot permit shall only be issued once for each relative of the parent tract owner. However, for purposes of this provision, if a lot is permitted under this provision to a daughter, for example, and was to be returned to the ownership of the owner of the parent tract, then the original use of this provision to provide the lot to the daughter shall not be counted as one of the one permitted per relative.
4. The lot complies with all other conditions for permitting and development as set forth in these land development regulations.

---

1. Name of Recipient Relative (Applicant) BEN CADY
   Address 625 SW STONERIDGE DR. City LAKE CITY FL. Zip Code 32024
   Phone (386) 754-1396
2. Name of Title Holder(s) CURT CADY
   Address P.O. BOX 123 City LAKE CITY Zip Code 32056
   Phone (386) 752-8434
3. Recipient's Relationship to Title Holder SON
4. Size of Property 2.5 ACRES
5. Tax Parcel ID# 12-5S-16-03-00406-116 **(Attach a Copy of the Deed)**

No permit will be issued unless the deed is properly recorded in the Clerk of the Courts Office.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

Applicants Name (Print or Type)

BEN CADY 6-2404

Applicant Signature Date

OFFICIAL USE

Current Land Use Classification A-3 Current Zoning District A-3

X Approved _____ Denial = Reason _____

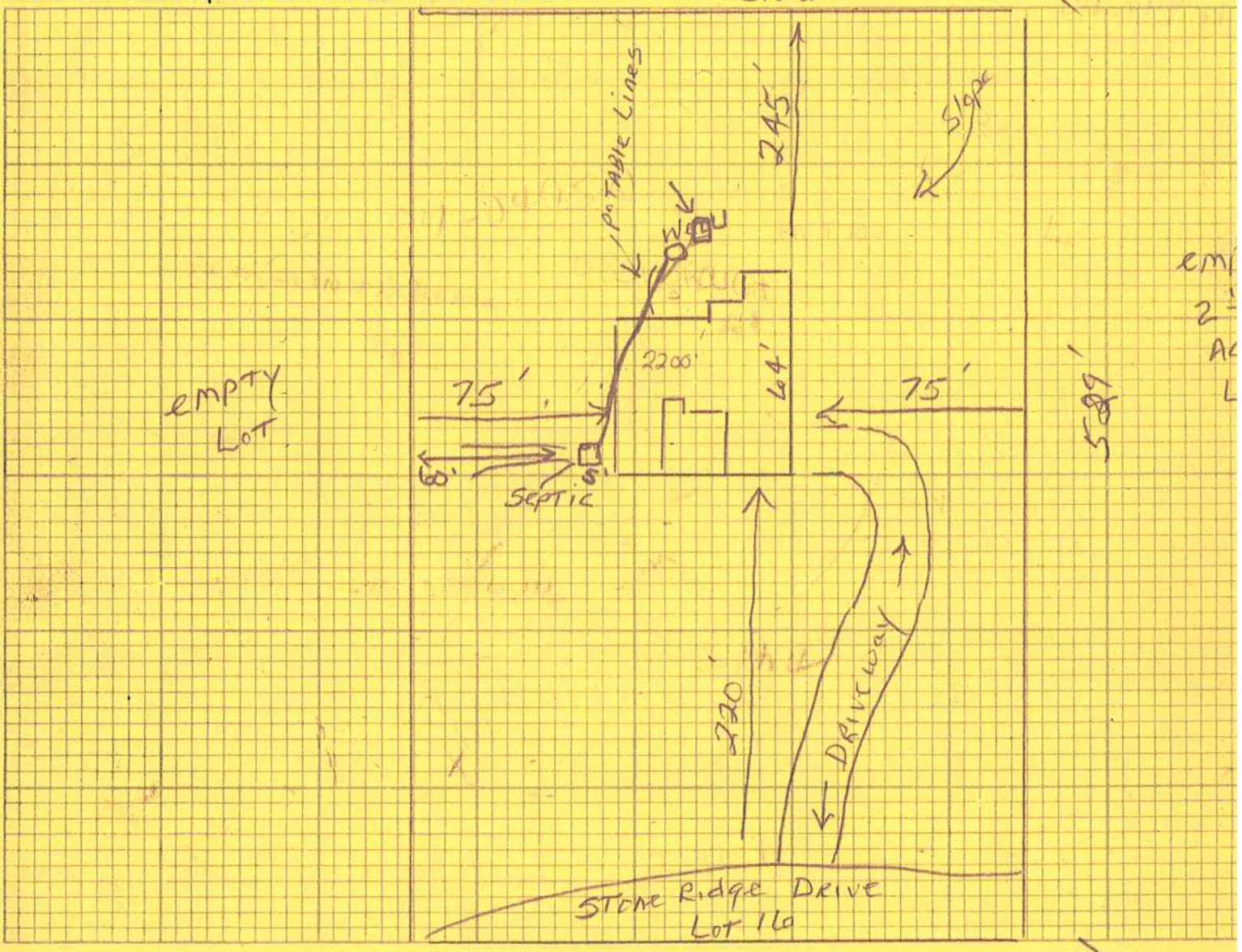
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 04-0495

PART II - SITE PLAN

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



Notes: 10' utility easement

Distance from well to septic > 125'

Site Plan submitted by: Ben Cady RN Signature Owner Title

Plan Approved ____ Not Approved ____ Date 4/10/01

By Falunda Scale County Health Departm

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 12-5S-16-03-406-116

1. Description of property: (legal description of the property and street address or 911 address)
Lot 16 Rose Creek Plantation
Sixth West Stone Ridge Drive (No House Number Assigned as yet) House # 625 SW Stone Ridge. (911)

2. General description of improvement: New Home Construction

3. Owner Name & Address Ben Cady
1030 SW Rossbourgh Ct LK. City, Florida Interest in Property OWNER

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

5. Contractor Name Cady Homes Phone Number 752-8434
Address PO Box 123 Lake City FL 32056

6. Surety Holders Name NONE Phone Number
Address
Amount of Bond

7. Lender Name 1st Federal of Lk. City Phone Number 755 0600
Address Lk. City, Florida.

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

9. In addition to himself/herself the owner designates Curt Cady - Cady Homes of Lk. City, FL. to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee 752 8434

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) 3-17-05

Inst:2004013855 Date:06/16/2004 Time:09:53
YMK DC,P.DeWitt Cason,Columbia County B:1018 P:917

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no

Signature of Owner

Sworn to (or affirmed) and subscribed before day of 5/24, 20 04

NOTARY STAMP/SEAL

Andrew M. Carrender
MY COMMISSION # DD149879 EXPIRES
September 15, 2006
BONDED THRU TROY FAIN INSURANCE, INC.

Signature of Notary

Cady Homes & Remodeling, Inc.
Custom Trimwork Design

Columbia County Building Department
Lake City, Florida

Re: Ben and Rebecca Cady residence in Rose Creek Plantation
Lake City, Florida Lot 16

Framing materials:
2x4 spruce outside walls. PT yellow pine bottom plate material and double plates on top walls (southern yellow pine.)

Outside sheathing consists of 4x8 3 ply ½`` exterior grade plywood on side walls and 4 ply ½`` exterior grade on roof. 15# felt paper.

Insulation: Outside walls r-13 Ceiling r-30 blown in cellulose.

Headers: Outside walls 2x12 # 2 southern yellow pine doubled.
Interior bearing walls 2x12 southern yellow pine. Kiln dried.

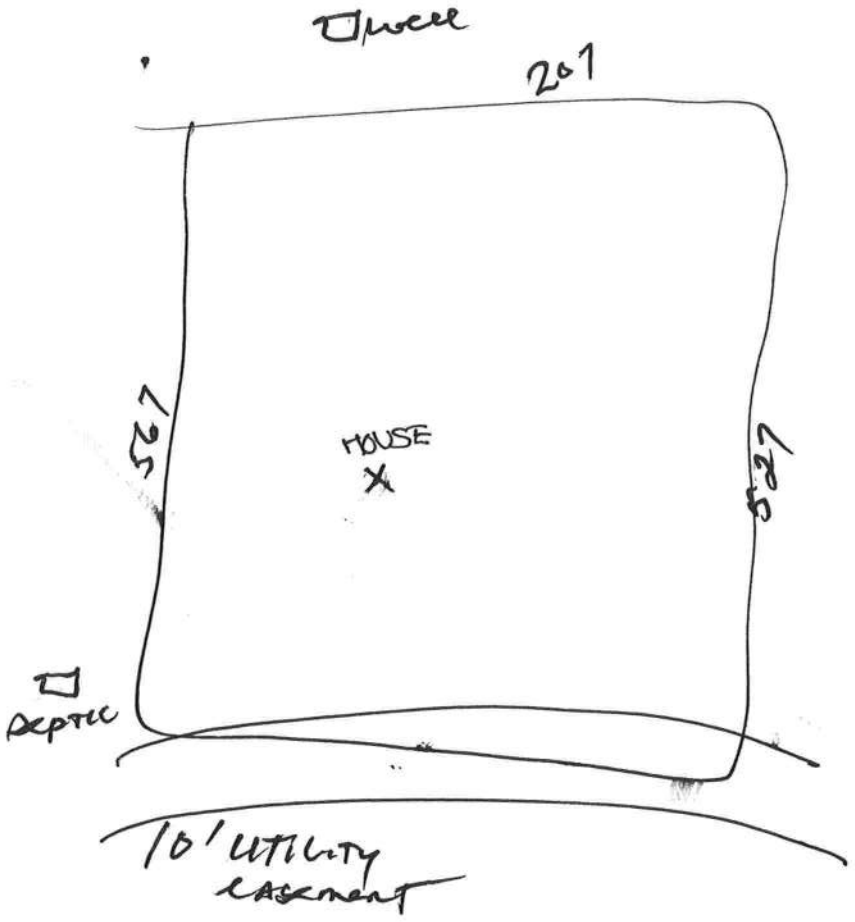
Termite treatment by Aspen pest control of Lake City, Fl.
Treatment per code for slab foundation.

Ben Cady

Cady Homes & Remodeling, Inc.
June 14, 2004

Site Plan:

Dimensions of Lot 527 x 207



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 hav license. You must provide direct, onsite supervision of the construction yourself. You may b or improve a one-family or two-family residence or a farm outbuilding. You may also build 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 impr for sale or lease. If you sell or lease a building you have built or substantially improved you 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 n 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 delega responsibility for supervising work to a licensed contractor who is not licensed to perform t work being done. Any person working on your building who is not licensed must work unde 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, bui codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Other_____

NEW CONSTRUCTION OR IMPROVEMENT

(X) New Construction ( ) Addition, Alteration, Modification or other Improvement

I Ben Cady, have been advised of the above disclosure statement f 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_____

Ben Cady
Signature

3/16/04
Date

FOR BUILDING USE ONLY

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

Date 5/24/04 Building Official/Representative Owner

FORM 600A-2001 EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**406143CadyRes.**	Builder:	**O/B**
Address:		Permitting Office:	
City, State:	,	Permit Number:	22013
Owner:	**Ben Cady**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2137 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	400.2 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 212.0(p) ft	
b. Raised Wood, Adjacent		R=30.0, 334.0ft²	
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1635.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 220.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3188.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 180.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 50.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 50.0 kBtu/hr	
	HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	
	EF: 0.91	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.19

Total as-built points: 31000
Total base points: 31097

PASS

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

PREPARED BY: Evan Beamsley

DATE: 6/19/04 Evan Beamsley

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: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2137.0	20.04	7708.6	Double, Clear	E	1.5	7.0	27.6	42.06	0.94	1087.8	
				Double, Clear	E	1.5	8.0	28.8	42.06	0.96	1159.1	
				Double, Clear	E	1.5	8.5	20.0	42.06	0.96	811.6	
				Double, Clear	N	1.5	7.0	24.1	19.20	0.96	442.1	
				Double, Clear	E	1.5	11.0	48.2	42.06	0.99	1998.5	
				Double, Clear	N	1.5	8.0	16.0	19.20	0.97	297.1	
				Double, Clear	E	1.5	10.0	27.6	42.06	0.98	1133.9	
				Double, Clear	S	1.5	6.5	20.3	35.87	0.88	636.8	
				Double, Clear	S	1.5	7.0	10.5	35.87	0.89	336.9	
				Double, Clear	W	1.5	14.0	18.5	38.52	1.00	709.1	
				Double, Clear	W	1.5	7.0	11.0	38.52	0.94	397.9	
				Double, Clear	W	1.5	16.0	24.7	38.52	1.00	946.1	
				Double, Clear	W	1.5	9.0	16.0	38.52	0.97	598.1	
				Double, Clear	W	2.2	10.0	13.3	38.52	0.94	481.4	
				Double, Clear	W	2.2	3.0	5.0	38.52	0.61	118.0	
				Double, Clear	W	2.2	3.0	9.0	38.52	0.61	212.5	
				Double, Clear	SW	1.5	6.0	12.3	40.16	0.89	438.4	
				Double, Clear	W	1.5	6.0	20.6	38.52	0.91	723.3	
				Double, Clear	NW	1.5	6.0	12.3	25.97	0.93	296.5	
				Double, Clear	W	1.5	6.0	5.2	38.52	0.91	182.8	
				Double, Clear	N	1.5	8.0	29.3	19.20	0.97	544.8	
				As-Built Total:				**400.2**				**13552.6**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	220.0	0.70	154.0	Frame, Wood, Exterior	13.0	1635.0	1.50	2452.5
Exterior	1635.0	1.70	2779.5	Frame, Wood, Adjacent	13.0	220.0	0.60	132.0
Base Total:	**1855.0**		**2933.5**	**As-Built Total:**		**1855.0**		**2584.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	Exterior Insulated	14.0	4.10	57.4
Exterior	46.0	6.10	280.6	Exterior Insulated	12.0	4.10	49.2
				Adjacent Insulated	20.0	1.60	32.0
				Exterior Insulated	20.0	4.10	82.0
Base Total:	**66.0**		**328.6**	**As-Built Total:**	**66.0**		**220.6**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT					
CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	=	Points
Under Attic	2137.0	1.73	3697.0	Under Attic	30.0	3188.0	1.73 X 1.00		5515.2
Base Total:	**2137.0**		**3697.0**	**As-Built Total:**		**3188.0**			**5515.2**
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=	Points
Slab	212.0(p)	-37.0	-7844.0	Slab-On-Grade Edge Insulation	0.0	212.0(p	-41.20		-8734.4
Raised	334.0	-3.99	-1332.7	Raised Wood, Adjacent	30.0	334.0	0.40		133.6
Base Total:			**-9176.7**	**As-Built Total:**		**546.0**			**-8600.8**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points
	2137.0	10.21	21818.8			2137.0	10.21		21818.8
Summer Base Points:			**27309.8**	**Summer As-Built Points:**					**35090.9**
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
27309.8	**0.4266**		**11650.4**	35090.9 **35090.9**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	1.000 **1.000**	10481.4 **10481.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	**2137.0**	**12.74**	**4900.6**

WALL TYPES	Area X	BWPM	= Points
Adjacent	220.0	3.60	792.0
Exterior	1635.0	3.70	6049.5
Base Total:	**1855.0**		**6841.5**

DOOR TYPES	Area X	BWPM	= Points
Adjacent	20.0	11.50	230.0
Exterior	46.0	12.30	565.8
Base Total:	**66.0**		**795.8**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF = Points
Double, Clear	E	1.5	7.0	27.6	18.79	1.03 531.7
Double, Clear	E	1.5	8.0	28.8	18.79	1.02 551.6
Double, Clear	E	1.5	8.5	20.0	18.79	1.02 382.4
Double, Clear	N	1.5	7.0	24.1	24.58	1.00 593.5
Double, Clear	E	1.5	11.0	48.2	18.79	1.01 915.6
Double, Clear	N	1.5	8.0	16.0	24.58	1.00 393.6
Double, Clear	E	1.5	10.0	27.6	18.79	1.01 524.4
Double, Clear	S	1.5	6.5	20.3	13.30	1.09 294.6
Double, Clear	S	1.5	7.0	10.5	13.30	1.07 149.9
Double, Clear	W	1.5	14.0	18.5	20.73	1.00 384.1
Double, Clear	W	1.5	7.0	11.0	20.73	1.02 231.8
Double, Clear	W	1.5	16.0	24.7	20.73	1.00 512.0
Double, Clear	W	1.5	9.0	16.0	20.73	1.01 334.3
Double, Clear	W	2.2	10.0	13.3	20.73	1.02 281.0
Double, Clear	W	2.2	3.0	5.0	20.73	1.13 117.1
Double, Clear	W	2.2	3.0	9.0	20.73	1.13 210.9
Double, Clear	SW	1.5	6.0	12.3	16.74	1.06 218.9
Double, Clear	W	1.5	6.0	20.6	20.73	1.02 436.1
Double, Clear	NW	1.5	6.0	12.3	24.30	1.00 300.6
Double, Clear	W	1.5	6.0	5.2	20.73	1.02 110.2
Double, Clear	N	1.5	8.0	29.3	24.58	1.00 721.6
As-Built Total:				**400.2**		**8195.8**

Type	R-Value	Area X	WPM =	Points
Frame, Wood, Exterior	13.0	1635.0	3.40	5559.0
Frame, Wood, Adjacent	13.0	220.0	3.30	726.0
As-Built Total:		**1855.0**		**6285.0**

Type	Area X	WPM =	Points
Exterior Insulated	14.0	8.40	117.6
Exterior Insulated	12.0	8.40	100.8
Adjacent Insulated	20.0	8.00	160.0
Exterior Insulated	20.0	8.40	168.0
As-Built Total:	**66.0**		**546.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT					
CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	2137.0	2.05	4380.9	Under Attic	30.0	3188.0	2.05 X	1.00	6535.4
Base Total:	**2137.0**		**4380.9**	**As-Built Total:**		**3188.0**			**6535.4**
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	212.0(p)	8.9	1886.8	Slab-On-Grade Edge Insulation	0.0	212.0(p	18.80		3985.6
Raised	334.0	0.96	320.6	Raised Wood, Adjacent	30.0	334.0	2.20		734.8
Base Total:			**2207.4**	**As-Built Total:**		**546.0**			**4720.4**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	2137.0	-0.59	-1260.8			2137.0	-0.59		-1260.8
Winter Base Points:			**17865.3**	**Winter As-Built Points:**					**25022.2**

Total Winter Points	X	System Multiplier	=	Heating Points
17865.3		**0.6274**		**11208.7**

Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Heating Points
25022.2		1.000		(1.069 x 1.169 x 0.93)		0.432		1.000		12552.4
25022.2		**1.00**		**1.162**		**0.432**		**1.000**		**12552.4**

FORM 600A-2001 EnergyGauge® 3.4

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 Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	40.0	0.91	3	1.00	2655.47	1.00	7966.4	
				As-Built Total:						**7966.4**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
11650	**11209**	**8238**	**31097**	**10481**	**12552**	**7966**	**31000**

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 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* = 82.9

The higher the score, the more efficient the home.

Ben Cady, , , ,

1.	New construction or existing		New
2.	Single family or multi-family		Single family
3.	Number of units, if multi-family		1
4.	Number of Bedrooms		3
5.	Is this a worst case?		No
6.	Conditioned floor area (ft²)		2137 ft²
7.	Glass area & type	Single Pane	Double Pane
a.	Clear glass, default U-factor	0.0 ft²	400.2 ft²
b.	Default tint, default U-factor	0.0 ft²	0.0 ft²
c.	Labeled U-factor or SHGC	0.0 ft²	0.0 ft²
8.	Floor types		
a.	Slab-On-Grade Edge Insulation		R=0.0, 212.0(p) ft
b.	Raised Wood, Adjacent		R=30.0, 334.0ft²
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior		R=13.0, 1635.0 ft²
b.	Frame, Wood, Adjacent		R=13.0, 220.0 ft²
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic		R=30.0, 3188.0 ft²
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 180.0 ft
b.	N/A		

12.	Cooling systems	
a.	Central Unit	Cap: 50.0 kBtu/hr
		SEER: 13.00
b.	N/A	
c.	N/A	
13.	Heating systems	
a.	Electric Heat Pump	Cap: 50.0 kBtu/hr
		HSPF: 7.90
b.	N/A	
c.	N/A	
14.	Hot water systems	
a.	Electric Resistance	Cap: 40.0 gallons
		EF: 0.91
b.	N/A	
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	

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: FLR2PB v3.4)

Residential System Sizing Calculation

Summary

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

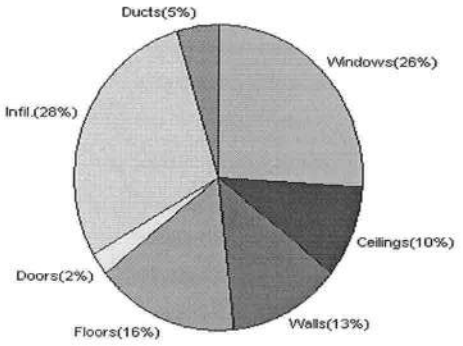
6/15/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**43159**	**Btuh**	**Total cooling load calculation**	**44602**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	115.9	50000	Sensible (SHR = 0.75)	108.5	37500
Heat Pump + Auxiliary(0.0kW)	115.9	50000	Latent	124.5	12500
			Total (Electric Heat Pump)	112.1	50000

WINTER CALCULATIONS

Winter Heating Load (for 2137 sqft)

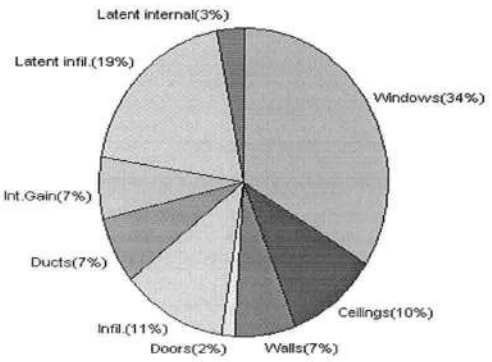
Load component			Load	
Window total	400	sqft	11326	Btuh
Wall total	1855	sqft	5421	Btuh
Door total	66	sqft	1031	Btuh
Ceiling total	3188	sqft	4144	Btuh
Floor total	See detail report		6933	Btuh
Infiltration	286	cfm	12248	Btuh
Subtotal			**41104**	**Btuh**
Duct loss			2055	Btuh
TOTAL HEAT LOSS			**43159**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2137 sqft)

Load component			Load	
Window total	400	sqft	15201	Btuh
Wall total	1855	sqft	3074	Btuh
Door total	66	sqft	669	Btuh
Ceiling total	3188	sqft	4527	Btuh
Floor total			0	Btuh
Infiltration	250	cfm	4946	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**31417**	**Btuh**
Duct gain			3142	Btuh
Total sensible gain			**34559**	**Btuh**
Latent gain(infiltration)			8664	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**10044**	**Btuh**
TOTAL HEAT GAIN			**44602**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Eric Sanders
DATE: 6/15/04

System Sizing Calculations - Winter

Residential Load - Component Details

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

6/15/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	27.6	28.3	780 Btuh
2	2, Clear, Metal, DEF	N	28.8	28.3	814 Btuh
3	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
4	2, Clear, Metal, DEF	W	24.1	28.3	682 Btuh
5	2, Clear, Metal, DEF	N	48.2	28.3	1365 Btuh
6	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
7	2, Clear, Metal, DEF	N	27.6	28.3	780 Btuh
8	2, Clear, Metal, DEF	E	20.3	28.3	573 Btuh
9	2, Clear, Metal, DEF	E	10.5	28.3	297 Btuh
10	2, Clear, Metal, DEF	S	18.5	28.3	524 Btuh
11	2, Clear, Metal, DEF	S	11.0	28.3	311 Btuh
12	2, Clear, Metal, DEF	S	24.7	28.3	698 Btuh
13	2, Clear, Metal, DEF	S	16.0	28.3	453 Btuh
14	2, Clear, Metal, DEF	S	13.3	28.3	377 Btuh
15	2, Clear, Metal, DEF	S	5.0	28.3	142 Btuh
16	2, Clear, Metal, DEF	S	9.0	28.3	255 Btuh
17	2, Clear, Metal, DEF	SE	12.3	28.3	349 Btuh
18	2, Clear, Metal, DEF	S	20.6	28.3	582 Btuh
19	2, Clear, Metal, DEF	SW	12.3	28.3	349 Btuh
20	2, Clear, Metal, DEF	S	5.2	28.3	147 Btuh
21	2, Clear, Metal, DEF	W	29.3	28.3	830 Btuh
	Window Total		400		11326 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1635	3.1	5068 Btuh
2	Frame - Adjacent	13.0	220	1.6	352 Btuh
	Wall Total		1855		5421 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		14	18.3	257 Btuh
2	Insulated - Exter		12	18.3	220 Btuh
3	Insulated - Adjac		20	9.4	188 Btuh
4	Insulated - Exter		20	18.3	367 Btuh
	Door Total		66		1031Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3188	1.3	4144 Btuh
	Ceiling Total		3188		4144Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	212.0 ft(p)	31.6	6699 Btuh
2	Raised Wood/Enclosed	30	334.0 sqft	0.7	234 Btuh
	Floor Total		546		6933 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	21370(sqft)	286	12248 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			286	12248 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

6/15/2004

Totals for Heating	**Subtotal**	**41104 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**2055 Btuh**
	Total Btuh Loss	**43159 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 6/15/2004

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	7	27.6	0.0	27.6	22	22	606	Btuh
2	2, Clear, DEF, N, N	N	1.5	8	28.8	0.0	28.8	22	22	633	Btuh
3	2, Clear, DEF, N, N	N	1.5	8.5	20.0	0.0	20.0	22	22	440	Btuh
4	2, Clear, DEF, N, N	W	1.5	7	24.1	0.0	24.1	22	72	1736	Btuh
5	2, Clear, DEF, N, N	N	1.5	11	48.2	0.0	48.2	22	22	1061	Btuh
6	2, Clear, DEF, N, N	W	1.5	8	16.0	0.0	16.0	22	72	1152	Btuh
7	2, Clear, DEF, N, N	N	1.5	10	27.6	0.0	27.6	22	22	606	Btuh
8	2, Clear, DEF, N, N	E	1.5	6.5	20.3	0.0	20.3	22	72	1458	Btuh
9	2, Clear, DEF, N, N	E	1.5	7	10.5	0.0	10.5	22	72	756	Btuh
10	2, Clear, DEF, N, N	S	1.5	14	18.5	2.5	16.0	22	37	647	Btuh
11	2, Clear, DEF, N, N	S	1.5	7	11.0	5.5	5.5	22	37	324	Btuh
12	2, Clear, DEF, N, N	S	1.5	16	24.7	0.0	24.7	22	37	913	Btuh
13	2, Clear, DEF, N, N	S	1.5	9	16.0	16.0	0.0	22	37	352	Btuh
14	2, Clear, DEF, N, N	S	2.16	10	13.3	6.7	6.7	22	37	393	Btuh
15	2, Clear, DEF, N, N	S	2.16	3	5.0	2.5	2.5	22	37	148	Btuh
16	2, Clear, DEF, N, N	S	2.16	3	9.0	9.0	0.0	22	37	198	Btuh
17	2, Clear, DEF, N, N	SE	1.5	6	12.3	5.4	7.0	22	62	549	Btuh
18	2, Clear, DEF, N, N	S	1.5	6	20.6	20.6	0.0	22	37	452	Btuh
19	2, Clear, DEF, N, N	SW	1.5	6	12.3	5.4	7.0	22	62	549	Btuh
20	2, Clear, DEF, N, N	S	1.5	6	5.2	5.2	0.0	22	37	114	Btuh
21	2, Clear, DEF, N, N	W	1.5	8	29.3	0.0	29.3	22	72	2112	Btuh
	Window Total				400					15201	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1635.0	1.7	2845	Btuh
2	Frame - Adjacent	13.0	220.0	1.0	229	Btuh
	Wall Total		1855.0		3074	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	14.0	10.1	142	Btuh
2	Insulated - Exter	12.0	10.1	122	Btuh
3	Insulated - Adjac	20.0	10.1	203	Btuh
4	Insulated - Exter	20.0	10.1	203	Btuh
	Door Total	66.0		669	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	3188.0	1.4	4527	Btuh
	Ceiling Total		3188.0		4527	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	212.0 ft(p)	0.0	0	Btuh
2	Raised Wood	30.0	334.0 sqft	0.0	0	Btuh
	Floor Total		546.0		0	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

6/15/2004

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.70	21370	249.8	4946 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			250	4946 Btuh

Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 300	+	1200	3000 Btuh

Totals for Cooling	**Subtotal**	**31417 Btuh**
	Duct gain(using duct multiplier of 0.10)	**3142 Btuh**
	Total sensible gain	**34559 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**8664 Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**44602 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

FORM 600A-2001 EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**406143CadyRes.**	Builder:	**O/B**
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:	**Ben Cady**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2137 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	400.2 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 212.0(p) ft	
b. Raised Wood, Adjacent		R=30.0, 334.0ft²	
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1635.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 220.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3188.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 180.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 50.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 50.0 kBtu/hr	
	HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	
	EF: 0.91	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.19

Total as-built points: 31000
Total base points: 31097

PASS

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

PREPARED BY: Evan Beamsley

DATE: 6/14/04 Evan Beamsley

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: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2137.0	20.04	7708.6	Double, Clear	E	1.5	7.0	27.6	42.06	0.94	1087.8	
				Double, Clear	E	1.5	8.0	28.8	42.06	0.96	1159.1	
				Double, Clear	E	1.5	8.5	20.0	42.06	0.96	811.6	
				Double, Clear	N	1.5	7.0	24.1	19.20	0.96	442.1	
				Double, Clear	E	1.5	11.0	48.2	42.06	0.99	1998.5	
				Double, Clear	N	1.5	8.0	16.0	19.20	0.97	297.1	
				Double, Clear	E	1.5	10.0	27.6	42.06	0.98	1133.9	
				Double, Clear	S	1.5	6.5	20.3	35.87	0.88	636.8	
				Double, Clear	S	1.5	7.0	10.5	35.87	0.89	336.9	
				Double, Clear	W	1.5	14.0	18.5	38.52	1.00	709.1	
				Double, Clear	W	1.5	7.0	11.0	38.52	0.94	397.9	
				Double, Clear	W	1.5	16.0	24.7	38.52	1.00	946.1	
				Double, Clear	W	1.5	9.0	16.0	38.52	0.97	598.1	
				Double, Clear	W	2.2	10.0	13.3	38.52	0.94	481.4	
				Double, Clear	W	2.2	3.0	5.0	38.52	0.61	118.0	
				Double, Clear	W	2.2	3.0	9.0	38.52	0.61	212.5	
				Double, Clear	SW	1.5	6.0	12.3	40.16	0.89	438.4	
				Double, Clear	W	1.5	6.0	20.6	38.52	0.91	723.3	
				Double, Clear	NW	1.5	6.0	12.3	25.97	0.93	296.5	
				Double, Clear	W	1.5	6.0	5.2	38.52	0.91	182.8	
				Double, Clear	N	1.5	8.0	29.3	19.20	0.97	544.8	
				As-Built Total:				**400.2**			**13552.6**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	220.0	0.70	154.0	Frame, Wood, Exterior	13.0	1635.0	1.50	2452.5
Exterior	1635.0	1.70	2779.5	Frame, Wood, Adjacent	13.0	220.0	0.60	132.0
Base Total:	**1855.0**		**2933.5**	**As-Built Total:**		**1855.0**		**2584.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	Exterior Insulated	14.0	4.10	57.4
Exterior	46.0	6.10	280.6	Exterior Insulated	12.0	4.10	49.2
				Adjacent Insulated	20.0	1.60	32.0
				Exterior Insulated	20.0	4.10	82.0
Base Total:	**66.0**		**328.6**	**As-Built Total:**	**66.0**		**220.6**

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SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT					
CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X	SCM =	Points
Under Attic	2137.0	1.73	3697.0	Under Attic	30.0	3188.0	1.73 X	1.00	5515.2
Base Total:	**2137.0**		**3697.0**	**As-Built Total:**		**3188.0**			**5515.2**
FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	=	Points
Slab	212.0(p)	-37.0	-7844.0	Slab-On-Grade Edge Insulation	0.0	212.0(p	-41.20		-8734.4
Raised	334.0	-3.99	-1332.7	Raised Wood, Adjacent	30.0	334.0	0.40		133.6
Base Total:			**-9176.7**	**As-Built Total:**		**546.0**			**-8600.8**
INFILTRATION	Area X	BSPM	= Points			Area X	SPM	=	Points
	2137.0	10.21	21818.8			2137.0	10.21		21818.8
Summer Base Points:			**27309.8**	**Summer As-Built Points:**					**35090.9**
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
27309.8	**0.4266**		**11650.4**	35090.9 **35090.9**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	1.000 **1.000**	10481.4 **10481.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2137.0	12.74	4900.6	Double, Clear	E	1.5	7.0	27.6	18.79	1.03	531.7	
				Double, Clear	E	1.5	8.0	28.8	18.79	1.02	551.6	
				Double, Clear	E	1.5	8.5	20.0	18.79	1.02	382.4	
				Double, Clear	N	1.5	7.0	24.1	24.58	1.00	593.5	
				Double, Clear	E	1.5	11.0	48.2	18.79	1.01	915.6	
				Double, Clear	N	1.5	8.0	16.0	24.58	1.00	393.6	
				Double, Clear	E	1.5	10.0	27.6	18.79	1.01	524.4	
				Double, Clear	S	1.5	6.5	20.3	13.30	1.09	294.6	
				Double, Clear	S	1.5	7.0	10.5	13.30	1.07	149.9	
				Double, Clear	W	1.5	14.0	18.5	20.73	1.00	384.1	
				Double, Clear	W	1.5	7.0	11.0	20.73	1.02	231.8	
				Double, Clear	W	1.5	16.0	24.7	20.73	1.00	512.0	
				Double, Clear	W	1.5	9.0	16.0	20.73	1.01	334.3	
				Double, Clear	W	2.2	10.0	13.3	20.73	1.02	281.0	
				Double, Clear	W	2.2	3.0	5.0	20.73	1.13	117.1	
				Double, Clear	W	2.2	3.0	9.0	20.73	1.13	210.9	
				Double, Clear	SW	1.5	6.0	12.3	16.74	1.06	218.9	
				Double, Clear	W	1.5	6.0	20.6	20.73	1.02	436.1	
				Double, Clear	NW	1.5	6.0	12.3	24.30	1.00	300.6	
				Double, Clear	W	1.5	6.0	5.2	20.73	1.02	110.2	
				Double, Clear	N	1.5	8.0	29.3	24.58	1.00	721.6	
				As-Built Total:				**400.2**			**8195.8**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	220.0	3.60	792.0	Frame, Wood, Exterior	13.0	1635.0	3.40	5559.0
Exterior	1635.0	3.70	6049.5	Frame, Wood, Adjacent	13.0	220.0	3.30	726.0
Base Total:	**1855.0**		**6841.5**	**As-Built Total:**		**1855.0**		**6285.0**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	11.50	230.0	Exterior Insulated	14.0	8.40	117.6
Exterior	46.0	12.30	565.8	Exterior Insulated	12.0	8.40	100.8
				Adjacent Insulated	20.0	8.00	160.0
				Exterior Insulated	20.0	8.40	168.0
Base Total:	**66.0**		**795.8**	**As-Built Total:**	**66.0**		**546.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT					
CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	2137.0	2.05	4380.9	Under Attic	30.0	3188.0	2.05 X	1.00	6535.4
Base Total:	**2137.0**		**4380.9**	**As-Built Total:**		**3188.0**			**6535.4**
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	212.0(p)	8.9	1886.8	Slab-On-Grade Edge Insulation	0.0	212.0(p	18.80		3985.6
Raised	334.0	0.96	320.6	Raised Wood, Adjacent	30.0	334.0	2.20		734.8
Base Total:			**2207.4**	**As-Built Total:**		**546.0**			**4720.4**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	2137.0	-0.59	-1260.8			2137.0	-0.59		-1260.8
Winter Base Points:			**17865.3**	**Winter As-Built Points:**					**25022.2**

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
					25022.2		1.000		(1.069 x 1.169 x 0.93)		0.432		1.000		12552.4
17865.3		**0.6274**		**11208.7**	**25022.2**		**1.00**		**1.162**		**0.432**		**1.000**		**12552.4**

FORM 600A-2001 EnergyGauge® 3.4

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 Ratio	X Multiplier	X Credit Multiplier	= Total
3	2746.00	8238.0		40.0	0.91	3	1.00	2655.47	1.00	7966.4
				As-Built Total:						**7966.4**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
11650	**11209**	**8238**	**31097**	**10481**	**12552**	**7966**	**31000**

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 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* = 82.9

The higher the score, the more efficient the home.

Ben Cady, , , ,

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2137 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	400.2 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 212.0(p) ft	
b. Raised Wood, Adjacent		R=30.0, 334.0ft²	
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1635.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 220.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3188.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 180.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 50.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 50.0 kBtu/hr	
	HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	
	EF: 0.91	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

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: FLR2PB v3.4)

Residential System Sizing Calculation

Summary

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

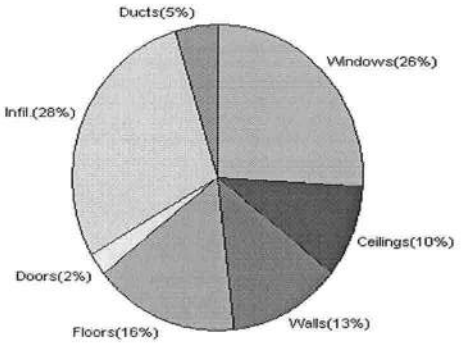
6/15/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**43159**	**Btuh**	**Total cooling load calculation**	**44602**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	115.9	50000	Sensible (SHR = 0.75)	108.5	37500
Heat Pump + Auxiliary(0.0kW)	115.9	50000	Latent	124.5	12500
			Total (Electric Heat Pump)	112.1	50000

WINTER CALCULATIONS

Winter Heating Load (for 2137 sqft)

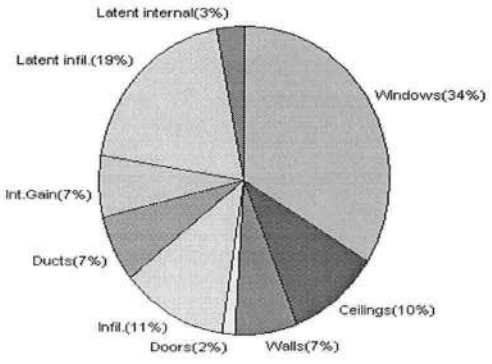
Load component			Load	
Window total	400	sqft	11326	Btuh
Wall total	1855	sqft	5421	Btuh
Door total	66	sqft	1031	Btuh
Ceiling total	3188	sqft	4144	Btuh
Floor total	See detail report		6933	Btuh
Infiltration	286	cfm	12248	Btuh
Subtotal			**41104**	**Btuh**
Duct loss			2055	Btuh
TOTAL HEAT LOSS			**43159**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2137 sqft)

Load component			Load	
Window total	400	sqft	15201	Btuh
Wall total	1855	sqft	3074	Btuh
Door total	66	sqft	669	Btuh
Ceiling total	3188	sqft	4527	Btuh
Floor total			0	Btuh
Infiltration	250	cfm	4946	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**31417**	**Btuh**
Duct gain			3142	Btuh
Total sensible gain			**34559**	**Btuh**
Latent gain(infiltration)			8664	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**10044**	**Btuh**
TOTAL HEAT GAIN			**44602**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Ben Cady
DATE: 6/14/04

System Sizing Calculations - Winter

Residential Load - Component Details

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

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Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

6/15/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	27.6	28.3	780 Btuh
2	2, Clear, Metal, DEF	N	28.8	28.3	814 Btuh
3	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
4	2, Clear, Metal, DEF	W	24.1	28.3	682 Btuh
5	2, Clear, Metal, DEF	N	48.2	28.3	1365 Btuh
6	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
7	2, Clear, Metal, DEF	N	27.6	28.3	780 Btuh
8	2, Clear, Metal, DEF	E	20.3	28.3	573 Btuh
9	2, Clear, Metal, DEF	E	10.5	28.3	297 Btuh
10	2, Clear, Metal, DEF	S	18.5	28.3	524 Btuh
11	2, Clear, Metal, DEF	S	11.0	28.3	311 Btuh
12	2, Clear, Metal, DEF	S	24.7	28.3	698 Btuh
13	2, Clear, Metal, DEF	S	16.0	28.3	453 Btuh
14	2, Clear, Metal, DEF	S	13.3	28.3	377 Btuh
15	2, Clear, Metal, DEF	S	5.0	28.3	142 Btuh
16	2, Clear, Metal, DEF	S	9.0	28.3	255 Btuh
17	2, Clear, Metal, DEF	SE	12.3	28.3	349 Btuh
18	2, Clear, Metal, DEF	S	20.6	28.3	582 Btuh
19	2, Clear, Metal, DEF	SW	12.3	28.3	349 Btuh
20	2, Clear, Metal, DEF	S	5.2	28.3	147 Btuh
21	2, Clear, Metal, DEF	W	29.3	28.3	830 Btuh
	Window Total		400		11326 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1635	3.1	5068 Btuh
2	Frame - Adjacent	13.0	220	1.6	352 Btuh
	Wall Total		1855		5421 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		14	18.3	257 Btuh
2	Insulated - Exter		12	18.3	220 Btuh
3	Insulated - Adjac		20	9.4	188 Btuh
4	Insulated - Exter		20	18.3	367 Btuh
	Door Total		66		1031Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3188	1.3	4144 Btuh
	Ceiling Total		3188		4144Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	212.0 ft(p)	31.6	6699 Btuh
2	Raised Wood/Enclosed	30	334.0 sqft	0.7	234 Btuh
	Floor Total		546		6933 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	21370(sqft)	286	12248 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			286	12248 Btuh

System Sizing Calculations - Summer

Residential Load - Component Details

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 6/15/2004

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, DEF, N, N	N	1.5	7	27.6	0.0	27.6	22	22	606 Btuh
2	2, Clear, DEF, N, N	N	1.5	8	28.8	0.0	28.8	22	22	633 Btuh
3	2, Clear, DEF, N, N	N	1.5	8.5	20.0	0.0	20.0	22	22	440 Btuh
4	2, Clear, DEF, N, N	W	1.5	7	24.1	0.0	24.1	22	72	1736 Btuh
5	2, Clear, DEF, N, N	N	1.5	11	48.2	0.0	48.2	22	22	1061 Btuh
6	2, Clear, DEF, N, N	W	1.5	8	16.0	0.0	16.0	22	72	1152 Btuh
7	2, Clear, DEF, N, N	N	1.5	10	27.6	0.0	27.6	22	22	606 Btuh
8	2, Clear, DEF, N, N	E	1.5	6.5	20.3	0.0	20.3	22	72	1458 Btuh
9	2, Clear, DEF, N, N	E	1.5	7	10.5	0.0	10.5	22	72	756 Btuh
10	2, Clear, DEF, N, N	S	1.5	14	18.5	2.5	16.0	22	37	647 Btuh
11	2, Clear, DEF, N, N	S	1.5	7	11.0	5.5	5.5	22	37	324 Btuh
12	2, Clear, DEF, N, N	S	1.5	16	24.7	0.0	24.7	22	37	913 Btuh
13	2, Clear, DEF, N, N	S	1.5	9	16.0	16.0	0.0	22	37	352 Btuh
14	2, Clear, DEF, N, N	S	2.16	10	13.3	6.7	6.7	22	37	393 Btuh
15	2, Clear, DEF, N, N	S	2.16	3	5.0	2.5	2.5	22	37	148 Btuh
16	2, Clear, DEF, N, N	S	2.16	3	9.0	9.0	0.0	22	37	198 Btuh
17	2, Clear, DEF, N, N	SE	1.5	6	12.3	5.4	7.0	22	62	549 Btuh
18	2, Clear, DEF, N, N	S	1.5	6	20.6	20.6	0.0	22	37	452 Btuh
19	2, Clear, DEF, N, N	SW	1.5	6	12.3	5.4	7.0	22	62	549 Btuh
20	2, Clear, DEF, N, N	S	1.5	6	5.2	5.2	0.0	22	37	114 Btuh
21	2, Clear, DEF, N, N	W	1.5	8	29.3	0.0	29.3	22	72	2112 Btuh
	Window Total				400					15201 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	13.0	1635.0	1.7	2845 Btuh
2	Frame - Adjacent	13.0	220.0	1.0	229 Btuh
	Wall Total		1855.0		3074 Btuh

Doors	Type	Area	HTM	Load
1	Insulated - Exter	14.0	10.1	142 Btuh
2	Insulated - Exter	12.0	10.1	122 Btuh
3	Insulated - Adjac	20.0	10.1	203 Btuh
4	Insulated - Exter	20.0	10.1	203 Btuh
	Door Total	66.0		669 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	3188.0	1.4	4527 Btuh
	Ceiling Total		3188.0		4527 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	212.0 ft(p)	0.0	0 Btuh
2	Raised Wood	30.0	334.0 sqft	0.0	0 Btuh
	Floor Total		546.0		0 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Ben Cady

Project Title:
406143CadyRes.

Class 3 Rating
Registration No. 0
Climate: North

6/15/2004

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.70	21370	249.8	4946	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			250	4946	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		6	X	300	+	1200	3000	Btuh

Totals for Cooling	**Subtotal**	**31417**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**3142**	**Btuh**
	Total sensible gain	**34559**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**8664**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**44602**	**Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000341

DATE 06/25/2004 PARCEL ID # 12-5S-16-03406-216

APPLICANT BEN CADY PHONE 754-1396

ADDRESS 1030 SW ROSSBOURGH COURT APT 102 LAKE CITY FL 32055

OWNER BEN CADY PHONE 754-1396

ADDRESS 625 SW STONERIDGE DRIVE LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47S, TL WALTER AVE., TL INTO ROSECREEK, TURN ON STONERIDGE DRIVE

HOUSE ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROSE CREEK 16 2

SIGNATURE Rebecca Cady

INSTALLATION REQUIREMENTS

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

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

22013

This form is completed by the licensed Pest Control Company

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.

Company Address 301 NW Cole Terrace City Lake City State FL Zip 32055

Company Business License No. JB109476 Company Phone No. 386-755-3611

FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Ben Eady Phone No. _____

Section 3: Property Information 625 S.W Stonebridge

Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip)

Type of Construction (More than one box may be checked) [X] Slab [ ] Basement [ ] Crawl [ ] Other _____

Approximate Depth of Footing: Outside 12 Inside 36 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 6-23-04

Brand Name of Product(s) Used Surrender

EPA Registration No. 70907-7-53483

Approximate Final Mix Solution % 0.5%

Approximate Size of Treatment Area: Sq. ft. 2500 Linear ft. 250 Linear ft. of Masonry Voids 240

Approximate Total Gallons of Solution Applied 400

Was treatment completed on exterior? [ ] Yes [X] No

Service Agreement Available? [X] Yes [ ] No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannon

Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature _____ Date 6-23-04

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

CERTIFICATE 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 12-5S-16-03406-216 **Building permit No.** 000022013

Use Classification SFD,UTILITY **Fire:** 28.35

Permit Holder OWNER BUILDER **Waste:** 61.25

Owner of Building BEN CADY **Total:** 89.60

Location: 625 SW STONERIDGE DR.(ROSE CREEK, LOT 16)

Date: 04/06/2005

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)