

DATE 03/09/2004

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000021603

APPLICANT ROY & MARTHA DOUBERLEY PHONE 752 7123
 ADDRESS 2404 SE HIGH FALLS ROAD LAKE CITY FL 32025
 OWNER ROY & MARTHA DOUBERLEY PHONE 752 7123
 ADDRESS _____ FL _____
 CONTRACTOR OWNER BUILDER PHONE 752 7123
 LOCATION OF PROPERTY C-245-S TO EBENEZER RD, E., GO 3/4 MILE TURN S. ON HIGH FALLS ROAD, GO 1/4 MILE @ 2ND BRICK HOME ON R SIDE.
 TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 67650.00
 HEATED FLOOR AREA 1353.00 TOTAL AREA 1353.00 HEIGHT 16.00 STORIES 1
 FOUNDATION _____ WALLS _____ ROOF PITCH 5'12 FLOOR CONC
 LAND USE & ZONING A-3 MAX. HEIGHT 35
 Minimum Set Back Requirements: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
 NO. EX D.U. 2 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 06-5S-18-10568-000 SUBDIVISION _____
 LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 215.00

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____
 EXISTING 03-1016-E BLK _____ RTJ _____ N _____
 Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: NOC ON FILE.Check # or Cash 8034**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer:Slab)

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

BUILDING PERMIT FEE \$ 340.00 CERTIFICATION FEE \$ 6.77 SURCHARGE FEE \$ 6.77
 MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____
 FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ _____ TOTAL FEE 403.54
 INSPECTORS OFFICE [Signature] CLERKS OFFICE CN

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.

Permit No. _____

Tax Parcel No. 06-5S-18-10568-000 HX

COLUMBIA COUNTY NOTICE OF COMMENCEMENT

STATE OF FLORIDA

COUNTY OF COLUMBIA

Inst: 2004003151 Date: 02/12/2004 Time: 08:44
YKK DC, P. DeWitt Cason, Columbia County B: 1006 P: 2784

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

1. Description of property: (legal description of the property, and street address if available.)

2404 S.E. High Falls Rd, LAKE CITY, FL 32025
W 1/2 of NW 1/4 Ex 210 Ft. Sq. In N.E. COA of N.W. 1/4 of NW 1/4
+ S.E. 1/4 of NW 1/4 + N.W. 1/4 of

2. General description of improvement: Adding a Living Room, Bedroom,
BATH & STORAGE ROOM

3. Owner Information:

A. Name and address:

Box 1 Martha Donahue / 2404 S.E. High Falls Rd.
Attn: Box 1712 Lake City FL 32025

B. Interest in property:

C. Name and address of fee simple titleholder (if other than owner):

4. Contractor: (name and address)

Owner Builder

5. Surety

A. Name and address:

B. Amount of bond:

6. Lender: (name and address)

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 718.13 (1) (a) 7., Florida Statutes: (name and address)

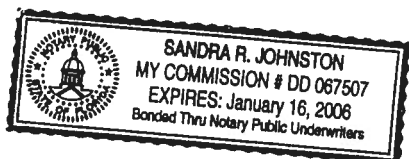
Cindy D. Murrin Rt 19, Box 1712 L.C. 32025
(9-1-1) 2404 High Falls Rd

8. In addition to himself, owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (a) 7., Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified) _____.

Synthia C. Merrill
(Signature of Owner)

SWORN TO and subscribed before me this 11th day of February, 19 2004.



Sandra R. Johnston
Notary Public

(NOTARIAL
SEAL)

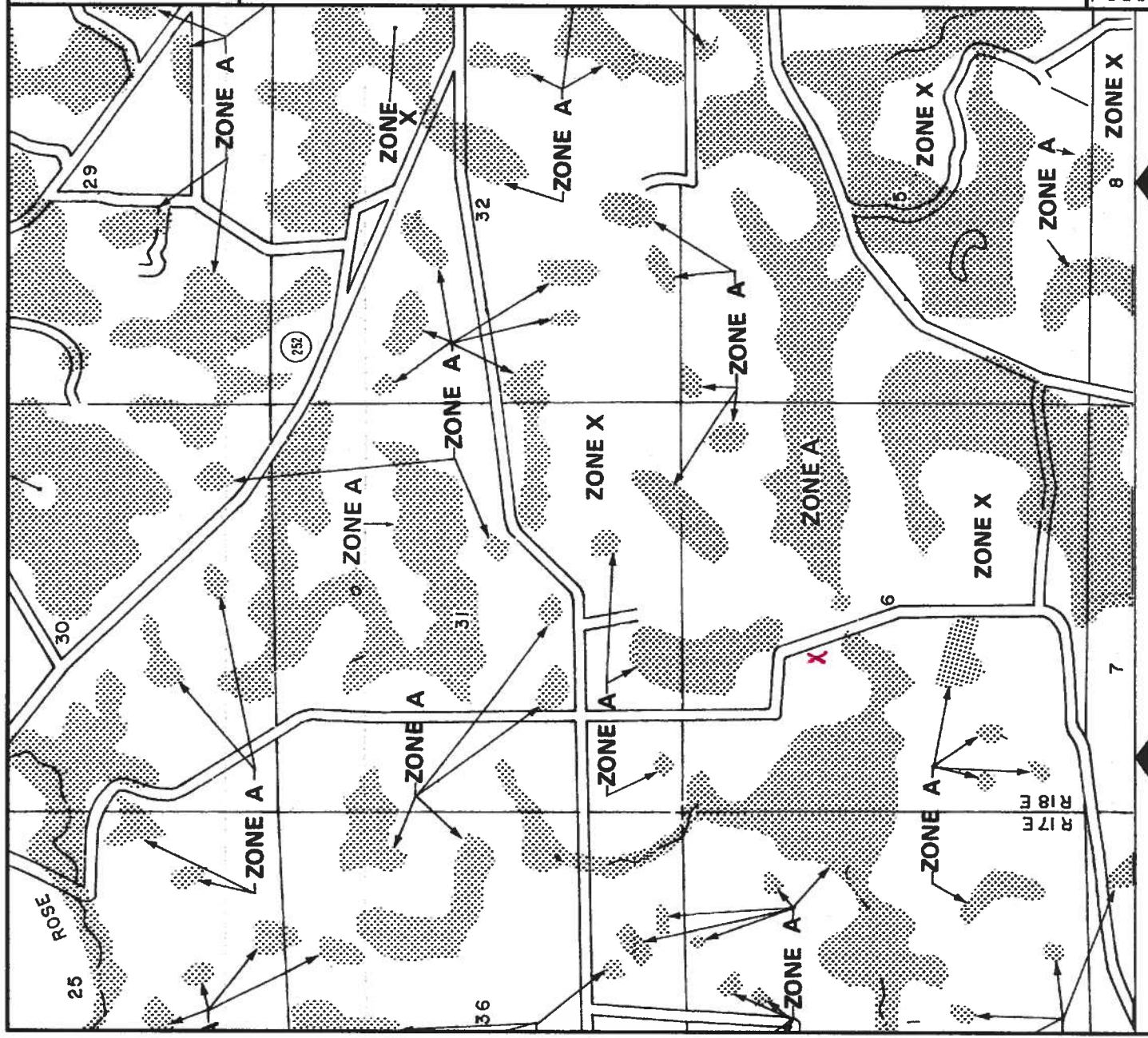
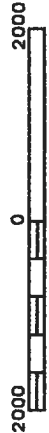
My Commission Expires: 01-16-2006

Inst:2004003151 Date:02/12/2004 Time:08:44
_____, P. DeWitt Cason, Columbia County B:1006 P:2785

0402-33



APPROXIMATE SCALE IN FEET



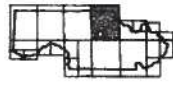
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 200 OF 300

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0200 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

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



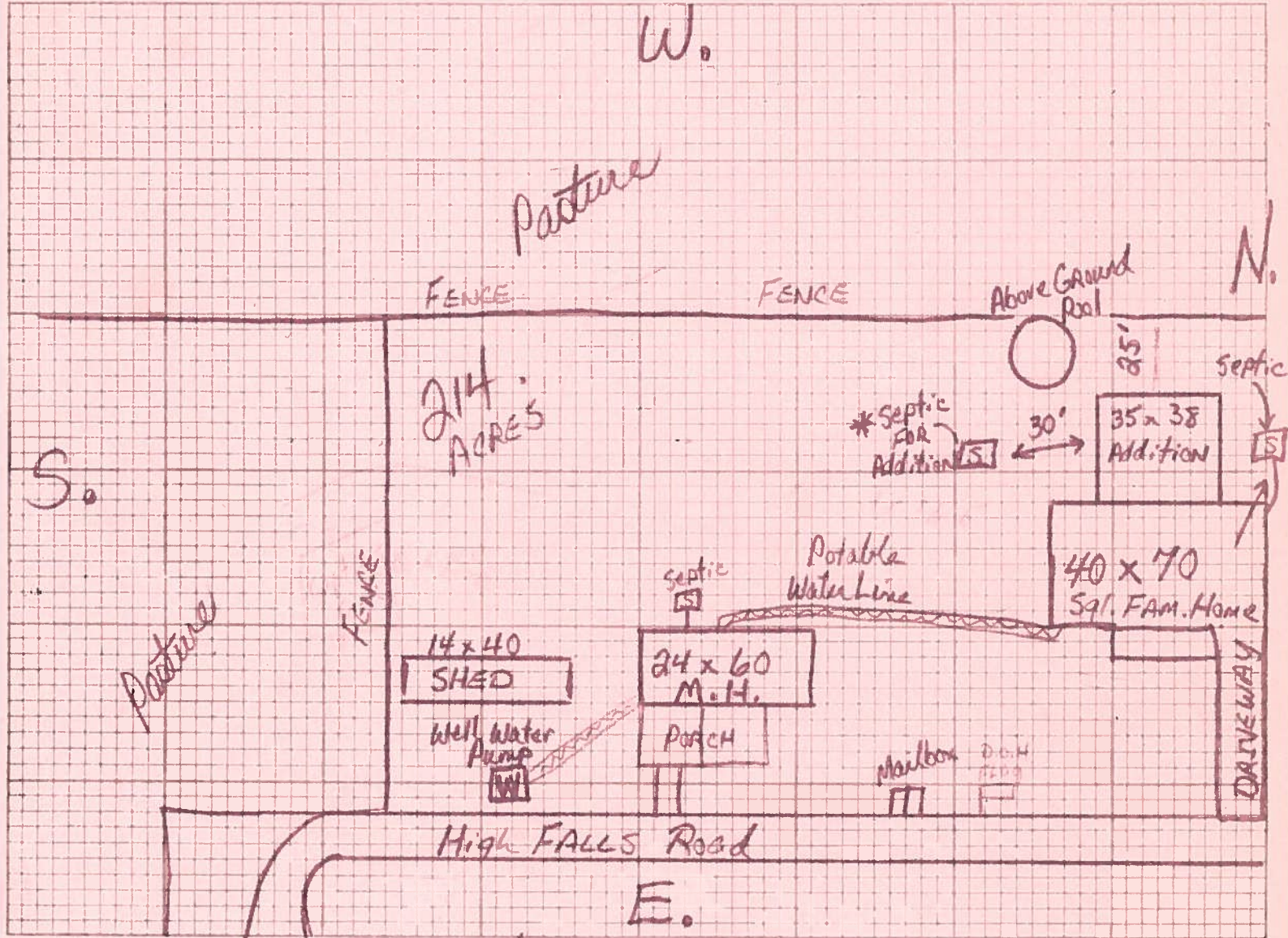
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 03-1016E

PART II - SITE PLAN

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



Notes: Septic Tank on So. side of addition
We are building a 1400 sq ft addition onto the back (west)
side of the Sq Fam Home. We are adding 1 living room,
1 bedroom, 1 Full Bath + 1 library. Using an existing Septic

Site Plan submitted by: Bridget J. Merrill Signature Agent Title

Plan Approved ☒ Not Approved ☐ Date Nov. 18.03

By Salhi A. Haddy ES1 COLUMBIA County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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

- ☐ Two-Family Residence
☒ Other ADDITION

NEW CONSTRUCTION OR IMPROVEMENT

- ☐ New Construction ☒ Addition, Alteration, Modification or other Improvement

I CYNTHIA D. MURRILL, 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 21603

Cynthia D. Murrill

Signature

Feb. 11, 2004

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 3-9-04 Building Official/Representative

[Signature]

Home
Property Search
Agriculture Classification
Amendment 10
Exemptions
Tangible Property Tax
Tax Rates
Report & Map Pricing
Important Dates
Office Directory
E-mail us Comments

Parcel ID: 06-5S-18-10568-000 HX

Columbia County Property Appraiser

Owner & Property InfoShow: Tax Info | GIS Map |
Property Card

Owner's Name	DOUBERLEY ROY P JR & MARTHA B
Site Address	RT 19 BX 1712
Mailing Address	RT 19 BOX 1712 LAKE CITY, FL 32025
Brief Legal	W1/2 OF NW1/4, EX 210 FT SQ IN NE COR OF NW1/4 OF NW1/4 & SE1/4 OF NW1/4 & NW1/4 OF

Use Desc. (code)	IMPROVED A (005000)
Neighborhood	1518.00
Tax District	3
UD Codes	
Market Area	04
Total Land Area	214.350 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (2)	\$7,000.00
Ag Land Value	cnt: (3)	\$22,136.00
Building Value	cnt: (2)	\$76,380.00
XFOB Value	cnt: (5)	\$1,850.00
Total Appraised Value		\$107,366.00

Just Value	\$298,580.00
Class Value	\$107,366.00
Assessed Value	\$95,699.00
Exempt Value	(code: HX) \$25,000.00
Total Taxable Value	\$70,699.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1991	Common BRK (19)	1751	2675	\$71,647.00
2	MOBILE HME (000800)	1974	Minimum (01)	1440	1960	\$4,733.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	0	\$450.00	1.000	18 x 25 x 0	(.00)
0166	CONC,PAVMT	0	\$600.00	1.000	10 x 60 x 0	(.00)
0294	SHED WOOD/	0	\$400.00	1.000	10 x 12 x 0	(.00)
0210	GARAGE U	0	\$200.00	1.000	10 x 22 x 0	(.00)
0261	PRCH, UOP	1993	\$200.00	1.000	30 x 10 x 0	(.00)

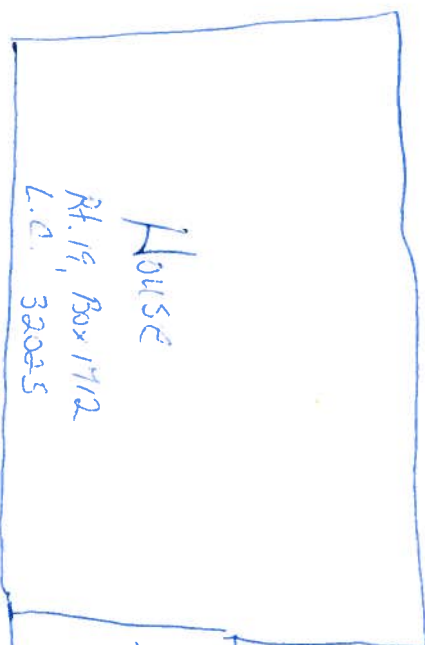
Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 AC	1.00/1.00/1.00/1.00	\$6,500.00	\$6,500.00
006200	PASTURE 3 (AG)	53.350 AC	1.00/1.00/1.00/1.00	\$160.00	\$8,536.00
005997	RIVERS/BAY (AG)	60.000 AC	1.00/1.00/1.00/1.00	\$25.00	\$1,500.00
005700	TIMBER 4 (AG)	100.000 AC	1.00/1.00/1.00/1.00	\$121.00	\$12,100.00
	MKT.VAL.AG		1.00/1.00/1.00/1.00		

214 Acres

FENCE

FENCE



House
Rt. 11, Box 1712
L.D. 32025

DRIVE
DRIVEWAY

High Falls Rd.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **2K349 - MURRILL**
 Address: **-**
 City, State: **COLUMBIA COUNTY, FL**
 Owner: **M/M MURRILL**
 Climate Zone: **North**

Builder:
 Permitting Office: **COLUMBIA COUNTY**
 Permit Number: **21603**
 Jurisdiction Number: **221000**

- | | | |
|--|---|-----|
| 1. New construction or existing | Addition | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 1 | ___ |
| 5. Is this a worst case? | No | ___ |
| 6. Conditioned floor area (ft ²) | 1353.45 ft ² | ___ |
| 7. Glass area & type | Single Pane Double Pane | ___ |
| a. Clear glass, default U-factor | 0.0 ft ² 0.0 ft ² | ___ |
| b. Default tint | 0.0 ft ² 102.1 ft ² | ___ |
| c. Labeled U or SHGC | 0.0 ft ² 0.0 ft ² | ___ |
| 8. Floor types | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 147.3(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | ___ |
| a. Frame, Wood, Exterior | R=13.0, 953.5 ft ² | ___ |
| b. Frame, Wood, Adjacent | R=11.0, 346.7 ft ² | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | ___ |
| a. Under Attic | R=22.0, 1353.4 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | ___ |
| a. Sup: Unc. Ret: Con. AH: Interior | Sup. R=6.0, 150.0 ft | ___ |
| b. N/A | | ___ |

- | | |
|-------------------------|--|
| 12. Cooling systems | |
| a. Central Unit | Cap: 25.5 kBtu/hr
SEER: 9.70 |
| b. N/A | |
| c. N/A | |
| 13. Heating systems | |
| a. Electric Heat Pump | Cap: 26.2 kBtu/hr
HSPF: 6.60 |
| b. N/A | |
| c. N/A | |
| 14. Hot water systems | |
| a. N/A | |
| 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: 0.08

Total as-built points: 13689

Total base points: 15102

PASS

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

PREPARED BY: *[Signature]*

DATE: 02/27/05

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: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1353.4	20.04	4882.2	Double, Tint	S	2.0	6.9	21.6	28.73	0.82	507.6
				Double, Tint	S	2.0	5.2	4.3	28.73	0.73	90.5
				Double, Tint	W	2.0	6.9	21.6	30.93	0.88	591.3
				Double, Tint	W	2.0	6.9	25.6	30.93	0.88	701.2
				Double, Tint	W	2.0	8.2	22.5	30.93	0.92	637.2
				Double, Tint	N	2.0	5.7	6.5	14.84	0.89	85.9
				As-Built Total:				102.1			
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	346.7	0.70	242.7	Frame, Wood, Exterior	13.0			953.5	1.50	1430.3	
Exterior	953.5	1.70	1621.0	Frame, Wood, Adjacent	11.0			346.7	0.70	242.7	
Base Total: 1300.2 1863.7				As-Built Total:				1300.2 1673.0			
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	40.0	2.40	96.0	Exterior Wood				31.0	6.10	189.3	
Exterior	31.0	6.10	189.3	Adjacent Wood				40.0	2.40	96.0	
Base Total: 71.0 285.3				As-Built Total:				71.0 285.3			
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1353.4	1.73	2341.5	Under Attic	22.0			1353.4	2.11 X 1.00	2855.8	
Base Total: 1353.4 2341.5				As-Built Total:				1353.4 2855.8			
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	147.3(p)	-37.0	-5451.6	Slab-On-Grade Edge Insulation	0.0			147.3(p)	-41.20	-6070.4	
Raised	0.0	0.00	0.0								
Base Total: -5451.6				As-Built Total:				147.3 -6070.4			
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
1353.4 10.21 13818.7							1353.4 10.21 13818.7				

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE					AS-BUILT										
Summer Base Points: 17739.8					Summer As-Built Points: 15176.1										
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
17739.8		0.4266		7567.8	15176.1		1.000		(1.081 x 1.147 x 0.91)		0.352		1.000		6025.0
					15176.1		1.00		1.128		0.352		1.000		6025.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt		Area X WPM X WOF = Points				
.18	1353.4	12.74	3103.7	Double, Tint	S	2.0	6.9	21.6	15.87	1.18	404.0
				Double, Tint	S	2.0	5.2	4.3	15.87	1.37	93.5
				Double, Tint	W	2.0	6.9	21.6	22.15	1.03	494.3
				Double, Tint	W	2.0	6.9	25.6	22.15	1.03	586.2
				Double, Tint	W	2.0	8.2	22.5	22.15	1.02	508.7
				Double, Tint	N	2.0	5.7	6.5	25.37	1.01	165.8
				As-Built Total:				102.1		2252.5	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	346.7	3.60	1248.1	Frame, Wood, Exterior	13.0		953.5		3.40		3242.0
Exterior	953.5	3.70	3528.0	Frame, Wood, Adjacent	11.0		346.7		3.60		1248.1
Base Total:				1300.2		4776.1		As-Built Total:		1300.2 4490.1	
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	40.0	11.50	460.0	Exterior Wood			31.0		12.30		381.8
Exterior	31.0	12.30	381.8	Adjacent Wood			40.0		11.50		460.0
Base Total:				71.0		841.8		As-Built Total:		71.0 841.8	
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1353.4	2.05	2774.6	Under Attic	22.0		1353.4		2.45 X 1.00		3316.0
Base Total:				1353.4		2774.6		As-Built Total:		1353.4 3316.0	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	147.3(p)	8.9	1311.3	Slab-On-Grade Edge Insulation	0.0		147.3(p)		18.80		2770.0
Raised	0.0	0.00	0.0								
Base Total:				1311.3		147.3		As-Built Total:		2770.0	
INFILTRATION Area X BWPM = Points								Area X WPM = Points			
1353.4 -0.59 -798.5								1353.4 -0.59 -798.5			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		12009.0		Winter As-Built Points:				12871.8			
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	
12009.0		0.6274	7534.5	12871.8		1.000	(1.060 x 1.169 x 0.93)	0.517	1.000	7664.0	
				12871.8		1.00	1.152	0.517	1.000	7664.0	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE					AS-BUILT									
WATER HEATING														
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier	X	Credit Multiplier	=	Total
1		2746.00		0.0			1		1.00	2746.00		1.00		2746.0
					As-Built Total:									0.0

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
7568		7534		0		15102	6025		7664		0		13689

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: 3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
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* = 84.6

The higher the score, the more efficient the home.

M/M MURRILL, -, COLUMBIA COUNTY, FL,

1. New construction or existing	Addition	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 25.5 kBtu/hr
3. Number of units, if multi-family	1		SEER: 9.70
4. Number of Bedrooms	1	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1353.45 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 0.0 ft ²	a. Electric Heat Pump	Cap: 26.2 kBtu/hr
b. Clear - double pane	0.0 ft ² 102.1 ft ²		HSPF: 6.60
c. Tint/other SHGC - single pane	0.0 ft ² 0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 147.3(p) ft	a. N/A	
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 953.5 ft ²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=11.0, 346.7 ft ²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=22.0, 1353.4 ft ²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 150.0 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 v3.30)

Residential System Sizing Calculation

Summary

M/M MURRILL
-
COLUMBIA COUNTY, FL

Project Title:
2K349 - MURRILL

Code Only
Professional Version
Climate: North

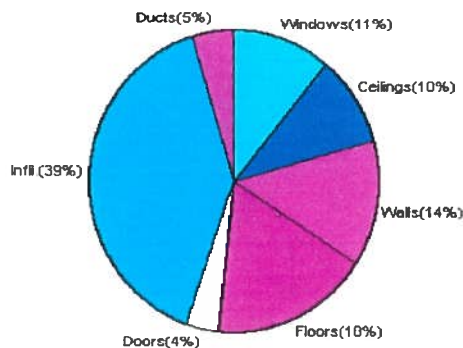
11-Feb-04

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	26183	Btuh	Total cooling load calculation	25485	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	100.1	26200	Sensible (SHR = 0.75)	112.0	19125
Heat Pump + Auxiliary(0.0kW)	100.1	26200	Latent	75.8	6375
			Total (Electric Heat Pump)	100.1	25500

WINTER CALCULATIONS

Winter Heating Load (for 1353 sqft)

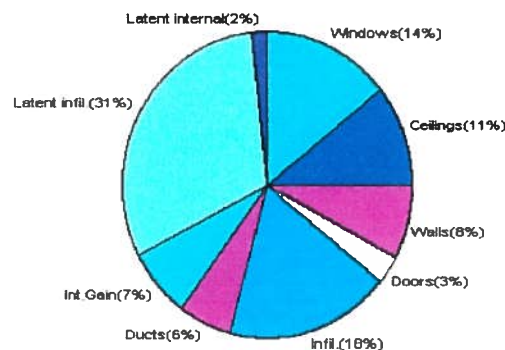
Load component		Load
Window total	102 sqft	2891 Btuh
Wall total	1300 sqft	3580 Btuh
Door total	71 sqft	925 Btuh
Ceiling total	1353 sqft	2572 Btuh
Floor total	147 ft	4656 Btuh
Infiltration	240 cfm	10313 Btuh
Subtotal		24936 Btuh
Duct loss		1247 Btuh
TOTAL HEAT LOSS		26183 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1353 sqft)

Load component		Load
Window total	102 sqft	3693 Btuh
Wall total	1300 sqft	2054 Btuh
Door total	71 sqft	709 Btuh
Ceiling total	1353 sqft	2734 Btuh
Floor total		0 Btuh
Infiltration	229 cfm	4536 Btuh
Internal gain		1800 Btuh
Subtotal(sensible)		15527 Btuh
Duct gain		1553 Btuh
Total sensible gain		17080 Btuh
Latent gain(infiltration)		7945 Btuh
Latent gain(internal)		460 Btuh
Total latent gain		8405 Btuh
TOTAL HEAT GAIN		25485 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: *12-7-05*

System Sizing Calculations - Winter

Residential Load - Component Details

M/M MURRILL

COLUMBIA COUNTY, FL

Project Title:
2K349 - MURRILL

Code Only
Professional Version
Climate: North

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

11-Feb-04

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Tint, Metal, DEF	S	21.6	28.3	612 Btuh
2	2, Tint, Metal, DEF	S	4.3	28.3	122 Btuh
3	2, Tint, Metal, DEF	W	21.6	28.3	612 Btuh
4	2, Tint, Metal, DEF	W	25.6	28.3	726 Btuh
5	2, Tint, Metal, DEF	W	22.5	28.3	636 Btuh
6	2, Tint, Metal, DEF	N	6.5	28.3	184 Btuh
Window Total			102		2891 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	954	3.1	2956 Btuh
2	Frame - Adjacent	11.0	347	1.8	624 Btuh
Wall Total			1300		3580 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		31	17.9	557 Btuh
2	Wood - Adjac		40	9.2	368 Btuh
Door Total			71		925Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	22.0	1353	1.9	2572 Btuh
Ceiling Total			1353		2572Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	147.3 ft(p)	31.6	4656 Btuh
Floor Total			147		4656 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	13534(sqft)	90	3878 Btuh
	Mechanical			150	6435 Btuh
Infiltration Total				240	10313 Btuh

Totals for Heating	Subtotal	24936 Btuh
	Duct Loss(using duct multiplier of 0.05)	1247 Btuh
	Total Btuh Loss	26183 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

M/M MURRILL

COLUMBIA COUNTY, FL

Project Title:
2K349 - MURRILL

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

11-Feb-04

Window	Type	Overhang	Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Omt		Len	Hgt	Gross	Shaded	Unshaded		Shaded	Unshaded
1	2, Tint, DEF, N, N	S	2	6.92	21.6	21.6	0.0	15	24	324 Btuh
2	2, Tint, DEF, N, N	S	2	5.17	4.3	4.3	0.0	15	24	65 Btuh
3	2, Tint, DEF, N, N	W	2	6.92	21.6	0.0	21.6	15	46	995 Btuh
4	2, Tint, DEF, N, N	W	2	6.92	25.6	0.0	25.6	15	46	1179 Btuh
5	2, Tint, DEF, N, N	W	2	8.17	22.5	0.0	22.5	15	46	1033 Btuh
6	2, Tint, DEF, N, N	N	2	5.67	6.5	0.0	6.5	15	15	98 Btuh
Window Total			102							3693 Btuh
Walls	Type	R-Value		Area		HTM		Load		
1	Frame - Exterior	13.0		953.5		1.7		1659 Btuh		
2	Frame - Adjacent	11.0		346.7		1.1		395 Btuh		
Wall Total			1300.2				2054 Btuh			
Doors	Type			Area		HTM		Load		
1	Wood - Exter			31.0		10.0		310 Btuh		
2	Wood - Adjac			40.0		10.0		399 Btuh		
Door Total			71.0				709 Btuh			
Ceilings	Type/Color	R-Value		Area		HTM		Load		
1	Under Attic/Dark	22.0		1353.5		2.0		2734 Btuh		
Ceiling Total			1353.5				2734 Btuh			
Floors	Type	R-Value		Size		HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0		147.3 ft(p)		0.0		0 Btuh		
Floor Total			147.3				0 Btuh			
Infiltration	Type	ACH		Volume		CFM=		Load		
	Natural	0.35		13534		79.1		1566 Btuh		
	Mechanical					150		2970 Btuh		
Infiltration Total					229		4536 Btuh			

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	2	X 300 +		1200	1800 Btuh

Totals for Cooling	Subtotal	15527 Btuh
	Duct gain(using duct multiplier of 0.10)	1553 Btuh
	Total sensible gain	17080 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7945 Btuh
	Latent occupant gain (2 people @ 230 Btuh per person)	460 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		25485 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, Damages (B) or Roller Shades (R))
(ExSh - Exterior shading device: none (N) or numerical value)

Building Permit Application

Date FEBRUARY

#21603

Cindy - 758.0470

Application No. 0402-33

Applicants Name & Address JESSE & CINDY MURRILL / 2404 High Falls Rd. Phone 755-6580

Owners Name & Address ROY & MARTHA DOUGHERTY / 2404 High Falls Rd. Phone 752-7123

Fee Simple Owners Name & Address RT. 19, Box 1712 High Falls Rd, LAKE CITY 32025 Phone _____

Contractors Name & Address NONE OWNER Builder Phone _____

Legal Description of Property W 1/2 OF NW 1/4, Ex 210 Ft. Sq IN N.E COR OF

N.W. 1/4 OF NW 1/4 & SE 1/4 OF NW 1/4 & NW 1/4 OF

Location of Property S. ON SR-245 8 mi. TURN E. on Ebenezer Rd Go 3/4 mi. TURN S. ON

Driving Directions High Falls Rd. Go 1/4 mi on 2nd Back home on Right side

Tax Parcel Identification No. 06-55-18-10568-000 HX Estimated Cost of Construction \$ 49,000

Type of Development ADDITION Number of Existing Dwellings on Property 2

Comprehensive Plan Map Category A-3 Zoning Map Category A-3

Building Height 16' Number of Stories 1 Floor Area 1355 SF Total Acreage in Development 214

Distance From Property Lines (Set Backs) Front 100' Side 18 mi. Rear 14 mi. Street 100'

Flood Zone X Certification Date _____ Development Permit N/A

Bonding Company Name & Address NONE

Architect/Engineer Name & Address Nicholas Paul Geisler

Mortgage Lenders Name & Address NONE

Application is hereby made to obtain a permit to do the 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 will 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 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.

Owner or Agent (including contractor) Cynthia D. Murrill Contractor _____

Contractor License Number _____

STATE OF FLORIDA COUNTY OF COLUMBIA

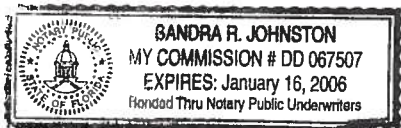
Sworn to (or affirmed) and subscribed before me this 11th day of February by Cindy D. Murrill

Sandra R. Johnston Notary Public

STATE OF FLORIDA COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this _____ day of _____ by _____

Personally Known _____ OR Produced Identification _____



COLUMBIA COUNTY OFFICE 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 06-5S-18-10568-000

Building permit No. 000021603

Use Classification ADDITION TO SFD

Fire: _____

Permit Holder OWNER BUILDER

Waste: _____

Owner of Building ROY & MARTHA DOUBERLEY

Total: .00

Location: 2404 HIGH FALLS ROAD

Date: 09/20/2004

Building Inspector

Harry Stieck



POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment

Applicator Florida Pest Control & Chemical Co.

Address 536 SE Bay Dr

City Lake City FL **Phone** 752-778-3

Site Location **Subdivision** _____

Lot# _____ **Block#** _____ **Permit#** 21683

Address 2404 SE Highfill Rd

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body				
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron				
Out Building				
Tub Trap/s				
Addition (Other)	<u>3-17-04</u>	<u>11:15</u>	<u>150</u>	<u>mike summerfield</u>

Name of Product Applied Dursban TC 2.5 %

Remarks Exterior perimeter not complete