

DATE 04/02/2004

**Columbia County Building Permit**

PERMIT

This Permit Expires One Year From the Date of Issue

000021688

APPLICANT AMY ATKINS PHONE 754-5555

ADDRESS 248 SE NASSAU ST LAKE CITY FL

OWNER PAUL & KENDRA MOREAU PHONE

ADDRESS 483 NW DOGWOOD TERRACE LAKE CITY FL 32055

CONTRACTOR MATTHEW ERKINGER PHONE

LOCATION OF PROPERTY LAKE JEFFREY ROAD, TL INTO OAKHAVEN S/D, TL AT "V", TR  
ON DOGWOOD TERR, HOUSE ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 145300.00

HEATED FLOOR AREA 2906.00 TOTAL AREA 4021.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 23

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

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

PARCEL ID 12-3S-15-00167-042 SUBDIVISION OAKHAVEN

LOT 13 BLOCK C PHASE UNIT TOTAL ACRES 5.00

000000257 N RR0067135 *Amy Atkins*

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

PERMIT 04-0278-N BK JK Y

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

COMMENTS: ONE FOOT ABOVE ROAD, NOC ON FILECheck # or Cash 5546**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 \$ 730.00 CERTIFICATION FEE \$ 20.11 SURCHARGE FEE \$ 20.11

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

FLOOD ZONE DEVELOPMENT FEES CULVERT FEE \$ 25.00 TOTAL FEE 845.22

INSPECTORS OFFICE *Hale 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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE

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

## Columbia County Building Permit Application

257 21688

For Office Use Only Application # 0403-76 Date Received 3/24/04 By G Permit # \_\_\_\_\_  
Application Approved by - Zoning Official BLK Date 01-09-04 Plans Examiner JK Date 3-27-04  
Flood Zone X proper Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
Comments \_\_\_\_\_

Applicants Name ERKINGER HOME BUILDERS, INC Phone (386) 754-5555  
Address 248 SE NASSAU ST. LAKE CITY, FL 32025  
Owners Name PAUL F. & KEDRA L. MOREAU Phone \_\_\_\_\_  
911 Address 483 NW DOGWOOD TERRACE LC. 32055  
Contractors Name ERKINGER HOME BUILDERS, INC Phone (386) 754-5555  
Address SAME AS ABOVE **ERKINGER HOME BUILDERS, INC.**  
Fee Simple Owner Name & Address N/A Reg. # RR0067135  
Bonding Co. Name & Address N/A 248 Southeast Nassau Street  
Architect/Engineer Name & Address MARK DISOSWAY, P.E. PO Box 868 Lake City, FL 32026 386-754-5555  
Mortgage Lenders Name & Address CAMPASS USA 183 SW BASCOM NORRIS DRIVE

Property ID Number 12-35-15-00167-042 Estimated Cost of Construction 190,000  
Subdivision Name OAKHAVEN Lot 13 Block C Unit \_\_\_\_\_ Phase \_\_\_\_\_  
Driving Directions LAKE JEFFREY ROAD TO OAKHAVEN S/D TURN LEFT, TURN TO  
LEFT AT Y TO DOGWOOD TERRACE TURN RIGHT, HOUSE ON LEFT  
AT ERKINGER SIGN.  
Type of Construction BRICK & FRAME SFD Number of Existing Dwellings on Property ?  
Total Acreage 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 80' Side 80' Side 120' Rear 200' +  
Total Building Height \_\_\_\_\_ Number of Stories 1 Heated Floor Area \_\_\_\_\_ Roof Pitch 7/12

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

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

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

Owner Builder or Agent (Including Contractor) \_\_\_\_\_

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 24th day of MARCH 20\_\_\_\_.  
Personally known ✓ or Produced Identification \_\_\_\_\_

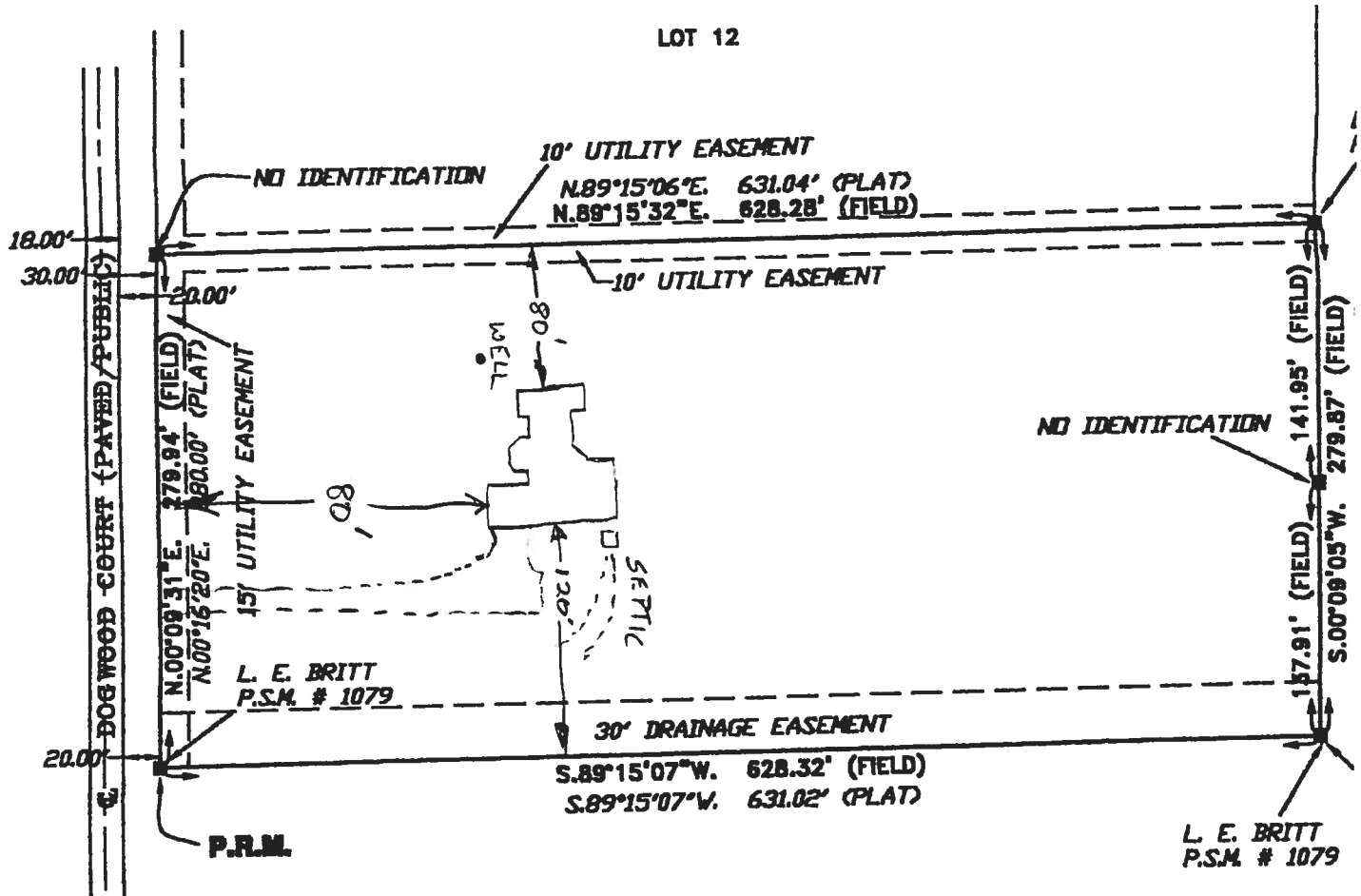
Contractor Signature \_\_\_\_\_  
Contractors License Number RR0067135  
Competency Land Number GALE TEDDER



NOTARY STAMP SEAL

Notary Signature \_\_\_\_\_  
Notary Signature

PARCEL ID: 12-3S-15-00167-042



# PLOT PLAN

## CERTIFIED TO:

PAUL F. & KEDRA L. MOREAU  
TERRY McDAVID, ATTORNEY AT LAW  
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY  
FIRST AMERICAN TITLE INSURANCE COMPANY  
ATTORNEYS' TITLE INSURANCE FUND, INC.

FIELD BOOK: 237 PAGE(S): 63

## SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER THE  
TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD  
IN CHAPTER 63G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT

02/21/02  
FIELD SURVEY DATE

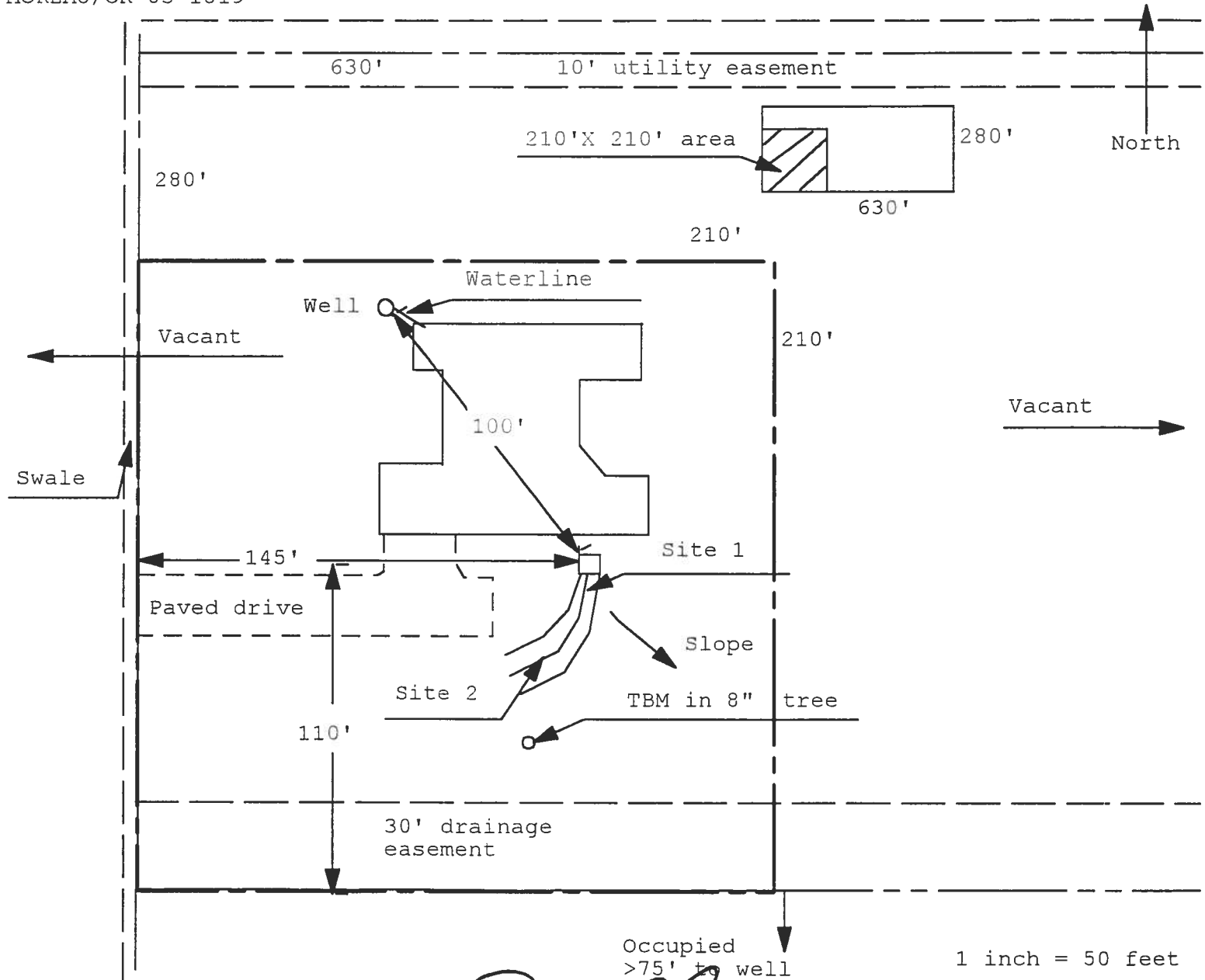
02/25/02  
DRAWING DATE

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL MAP  
MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATION

Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan  
Permit Application Number: 04-0278N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MOREAU/CR 03-1819



Site Plan Submitted By Paul Lloyd Date 3/4/04  
Plan Approved Paul Lloyd Not Approved \_\_\_\_\_ Date 3/4/04  
By Paul Lloyd MSH CPHU  
3-4-04

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

Permit No.  
Tax Folio No.

Inst:2004006134 Date:03/19/2004 Time:12:10  
smck DC,P.DeWitt Cason,Columbia County B:1010 P:49

NOTICE OF COMMENCEMENT

State of FL  
County of COLUMBIA

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

1. Description of property: Lot 13, Block C, Oakhaven, a subdivision according to the plat thereof recorded in Plat Book 5, pages 54-54A, public records of Columbia County, Florida.

Street address LOT 13 BLOCK C OAK HAVEN SUBDIVISION LAKE CITY, FL 32055  
(Dogwood Court)

2. General description of improvement: single family home

3. Owner information

Name and address: PAUL F. MOREAU AND KEDRA L. MOREAU

LOT 13 BLOCK C OAK HAVEN SUBDIVISION LAKE CITY, FL 32055

b. Interest in property: Fee simple

c. Name and address of fee simple titleholder (if other than fee simple)

4. Contractor (name and address) ERKINGER HOME BUILDERS INC.  
248 SE NASSAU ST  
LAKE CITY FL 32025

a. Phone number:

b. Fax number: (optional, if service by fax is acceptable)

5. Surety

a. Name and address

b. Phone number:

c. Fax number: (optional, if service by fax is acceptable)

d. Amount of bond:

6. Lender (name and address) CAMPUS USA CREDIT UNION, 2511 NW 41 ST STREET, GAINESVILLE, FL 32646

a. Phone number:

b. Fax number: (optional, if service by fax is acceptable)

7. Persons within the State of Florida designated by Owner upon which notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: (name and address)

8. In addition to himself or herself, Owner designates LENDER

of

to receive a copy of Lender's Notice as provided in Section 713.13(1)(b), Florida Statutes:

a. Phone number:

b. Fax number: (optional, if service by fax is acceptable)

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

Paul F Moreau  
PAUL F. MOREAU

(Seal)  
-Borrower

Kedra L Moreau  
KEDRA L. MOREAU

(Seal)  
-Borrower

(Seal)  
-Borrower

(Seal)  
-Borrower

Sworn to, subscribed, and acknowledged before me this  
19th day of March, 2004.



Donna H. Anderson  
My Commission DD189063  
Expires June 13, 2007

(Notarial Seal)

Donna H. Anderson  
Notary Public

My Commission Expires:



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

By

Deputy Clerk

Date

March 19, 2004

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

## Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Moreau Residence**  
Address:  
City, State: **Lake City, FL**  
Owner: **Moreau**  
Climate Zone: **North**

Builder: **Erkinger Builders**  
Permitting Office:  
Permit Number: **21688**  
Jurisdiction Number: **221000**

- |  |                                |     |
|--|--------------------------------|-----|
| 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 (ft <sup>2</sup> ) | 2906 ft <sup>2</sup>           | ___ |
| 7. Glass area & type                         |                                | ___ |
| a. Clear - single pane                       | 0.0 ft <sup>2</sup>            | ___ |
| b. Clear - double pane                       | 558.0 ft <sup>2</sup>          | ___ |
| c. Tint/other SHGC - single pane             | 0.0 ft <sup>2</sup>            | ___ |
| d. Tint/other SHGC - double pane             | 0.0 ft <sup>2</sup>            | ___ |
| 8. Floor types                               |                                | ___ |
| a. Slab-On-Grade Edge Insulation             | R=0.0, 288.0(p) ft             | ___ |
| b. N/A                                       |                                | ___ |
| c. N/A                                       |                                | ___ |
| 9. Wall types                                |                                | ___ |
| a. Frame, Wood, Exterior                     | R=11.0, 1762.0 ft <sup>2</sup> | ___ |
| b. Frame, Wood, Adjacent                     | R=11.0, 205.0 ft <sup>2</sup>  | ___ |
| c. N/A                                       |                                | ___ |
| d. N/A                                       |                                | ___ |
| e. N/A                                       |                                | ___ |
| 10. Ceiling types                            |                                | ___ |
| a. Under Attic                               | R=30.0, 2906.0 ft <sup>2</sup> | ___ |
| b. N/A                                       |                                | ___ |
| c. N/A                                       |                                | ___ |
| 11. Ducts                                    |                                | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior          | Sup. R=6.0, 250.0 ft           | ___ |
| b. N/A                                       |                                | ___ |

- |  |                   |     |
|--|-------------------|-----|
| 12. Cooling systems                    |                   |     |
| a. Central Unit                        | Cap: 60.0 kBtu/hr | ___ |
|  | SEER: 10.20       | ___ |
| b. N/A                                 |                   | ___ |
| c. N/A                                 |                   | ___ |
| 13. Heating systems                    |                   |     |
| a. Electric Heat Pump                  | Cap: 60.0 kBtu/hr | ___ |
|  | HSPF: 7.20        | ___ |
| b. N/A                                 |                   | ___ |
| c. N/A                                 |                   | ___ |
| 14. Hot water systems                  |                   |     |
| a. Electric Resistance                 | Cap: 50.0 gallons | ___ |
|  | EF: 0.92          | ___ |
| 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: 37224

Total base points: 37466

# PASS

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

PREPARED BY: Richard C Register

DATE: 3-29-04

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: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt		Area X SPM X SOF = Points				
.18	2906.0	20.04	10482.5	Double, Clear	N	1.5	9.0	222.0	19.22	0.98	4162.6
				Double, Clear	E	1.5	9.0	223.0	40.22	0.97	8698.3
				Double, Clear	E	1.5	9.0	45.0	40.22	0.97	1755.3
				Double, Clear	W	1.5	9.0	68.0	36.99	0.97	2440.5
				As-Built Total:						558.0	17056.7
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	205.0	0.70	143.5	Frame, Wood, Exterior	11.0		1762.0	1.70	2995.4		
Exterior	1762.0	1.70	2995.4	Frame, Wood, Adjacent	11.0		205.0	0.70	143.5		
Base Total:		1967.0	3138.9	As-Built Total:				1967.0	3138.9		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	19.0	2.40	45.6	Adjacent Wood			19.0	2.40	45.6		
Exterior	0.0	0.00	0.0								
Base Total:		19.0	45.6	As-Built Total:				19.0	45.6		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2906.0	1.73	5027.4	Under Attic	30.0		2906.0	1.73 X 1.00	5027.4		
Base Total:		2906.0	5027.4	As-Built Total:				2906.0	5027.4		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	288.0(p)	-37.0	-10656.0	Slab-On-Grade Edge Insulation	0.0		288.0(p)	-41.20	-11865.6		
Raised	0.0	0.00	0.0								
Base Total:			-10656.0	As-Built Total:				288.0	-11865.6		
INFILTRATION Area X BSPM = Points								Area X SPM = Points			
		2906.0	10.21	29670.3				2906.0	10.21	29670.3	

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

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 37708.7				Summer As-Built Points: 43073.3						
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
37708.7		0.4266	16086.5	43073.3		1.000	(1.090 x 1.147 x 0.91)	0.335	1.000	16397.4
				43073.3		1.00	1.138	0.335	1.000	16397.4



# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt			Area X WPM X WOF = Points			
.18	2906.0	12.74	6664.0	Double, Clear	N	1.5	9.0	222.0	14.30	1.00	3176.8
				Double, Clear	E	1.5	9.0	223.0	9.09	1.02	2059.0
				Double, Clear	E	1.5	9.0	45.0	9.09	1.02	415.5
				Double, Clear	W	1.5	9.0	68.0	10.77	1.01	737.8
				<b>As-Built Total:</b>				<b>558.0</b>			<b>6389.1</b>
<b>WALL TYPES</b> Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	205.0	3.60	738.0	Frame, Wood, Exterior	11.0			1762.0	3.70		6519.4
Exterior	1762.0	3.70	6519.4	Frame, Wood, Adjacent	11.0			205.0	3.60		738.0
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>1967.0</b>			<b>7257.4</b>
<b>DOOR TYPES</b> Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	19.0	11.50	218.5	Adjacent Wood				19.0	11.50		218.5
Exterior	0.0	0.00	0.0								
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>19.0</b>			<b>218.5</b>
<b>CEILING TYPES</b> Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	2906.0	2.05	5957.3	Under Attic	30.0			2906.0	2.05 X 1.00		5957.3
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>2906.0</b>			<b>5957.3</b>
<b>FLOOR TYPES</b> Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	288.0(p)	8.9	2563.2	Slab-On-Grade Edge Insulation	0.0			288.0(p)	18.80		5414.4
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>As-Built Total:</b>				<b>288.0</b>			<b>5414.4</b>
<b>INFILTRATION</b> Area X BWPM = Points								Area X WPM = Points			
	2906.0	-0.59	-1714.5					2906.0	-0.59		-1714.5

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

ADDRESS: , Lake City, FL,

PERMIT #:

<b>BASE</b>				<b>AS-BUILT</b>						
<b>Winter Base Points:</b>		<b>20945.9</b>		<b>Winter As-Built Points:</b>					<b>23522.2</b>	
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
<b>20945.9</b>		<b>0.6274</b>	<b>13141.5</b>	23522.2 <b>23522.2</b>	1.000 <b>1.00</b>	(1.069 x 1.169 x 0.93) <b>1.162</b>	0.474 <b>0.474</b>	1.000 <b>1.000</b>	12947.2 <b>12947.2</b>	

**WATER HEATING & CODE COMPLIANCE STATUS**

## Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

BASE					AS-BUILT							
WATER HEATING												
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier	
3		2746.00		8238.0	50.0	0.92	3		1.00	2626.61	1.00	7879.8
					As-Built Total:							7879.8

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
16087		13141		8238	37466	16397		12947		7880	37224

**PASS**

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, 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\* = 82.8**

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

Moreau, , Lake City, Fl,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 60.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.20
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	2906 ft <sup>2</sup>		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 60.0 kBtu/hr
b. Clear - double pane	558.0 ft <sup>2</sup>		HSPF: 7.20
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup>	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft <sup>2</sup>		
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 288.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.92
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=11.0, 1762.0 ft <sup>2</sup>	c. Conservation credits	
b. Frame, Wood, Adjacent	R=11.0, 205.0 ft <sup>2</sup>	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 2906.0 ft <sup>2</sup>	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 250.0 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<sup>TM</sup> designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at [www.fsec.ucf.edu](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

EnergyGauge® (Version: FLRCPB v3.22)

# Residential System Sizing Calculation

## Summary

Moreau  
Lake City, FL

Project Title:  
Moreau Residence

Code Only  
Professional Version  
Climate: North

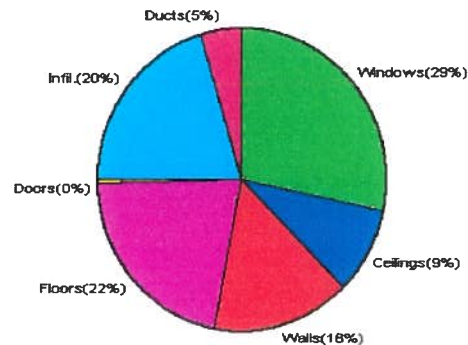
3/29/04

Location for weather data: Jacksonville - User customized: Latitude(30) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(49gr.)			
Winter design temperature	32 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	38 F	Summer temperature difference	23 F
<b>Total heating load calculation</b>	<b>40907 Btuh</b>	<b>Total cooling load calculation</b>	<b>56614 Btuh</b>
Submitted heating capacity	60000 Btuh	Submitted cooling capacity	60000 Btuh
Submitted as % of calculated	146.7 %	Submitted as % of calculated	106.0 %

## WINTER CALCULATIONS

Winter Heating Load (for 2906 sqft)

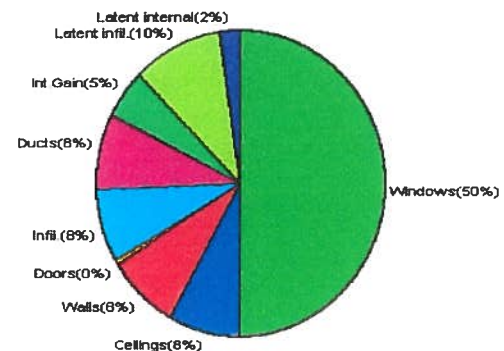
Load component	Load
Window total 558 sqft	11662 Btuh
Wall total 1967 sqft	6360 Btuh
Door total 19 sqft	175 Btuh
Ceiling total 2906 sqft	3778 Btuh
Floor total 288 ft	8870 Btuh
Infiltration 194 cfm	8114 Btuh
<b>Subtotal</b>	<b>38959 Btuh</b>
Duct loss	1948 Btuh
<b>TOTAL HEAT LOSS</b>	<b>40907 Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 2906 sqft)

Load component	Load
Window total 558 sqft	28447 Btuh
Wall total 1967 sqft	4557 Btuh
Door total 19 sqft	233 Btuh
Ceiling total 2906 sqft	4533 Btuh
Floor total	0 Btuh
Infiltration 170 cfm	4297 Btuh
Internal gain	3000 Btuh
<b>Subtotal(sensible)</b>	<b>45068 Btuh</b>
Duct gain	4507 Btuh
<b>Total sensible gain</b>	<b>49575 Btuh</b>
Latent gain(infiltration)	5660 Btuh
Latent gain(internal)	1380 Btuh
<b>Total latent gain</b>	<b>7040 Btuh</b>
<b>TOTAL HEAT GAIN</b>	<b>56614 Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: 3-30-03

# System Sizing Calculations - Winter

## Residential Load - Component Details

Moreau

Project Title:  
Moreau Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

Reference City: Jacksonville (User customized) Winter Temperature Difference: 38.0 F

3/29/04

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	222.0	20.9	4640 Btuh
2	2, Clear, Wood, DEF	E	223.0	20.9	4661 Btuh
3	2, Clear, Wood, DEF	E	45.0	20.9	940 Btuh
4	2, Clear, Wood, DEF	W	68.0	20.9	1421 Btuh
Window Total			558		11662 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1762	3.4	5991 Btuh
2	Frame - Adjacent	11.0	205	1.8	369 Btuh
Wall Total			1967		6360 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Adjac		19	9.2	175 Btuh
Door Total			19		175Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2906	1.3	3778 Btuh
Ceiling Total			2906		3778Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	288.0 ft(p)	30.8	8870 Btuh
Floor Total			288		8870 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	29060(sqft)	194	8114 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				194	8114 Btuh

<b>Totals for Heating</b>	<b>Subtotal</b>	<b>38959 Btuh</b>
	<b>Duct Loss(using duct multiplier of 0.05)</b>	<b>1948 Btuh</b>
	<b>Total Btuh Loss</b>	<b>40907 Btuh</b>

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

Moreau

Project Title:  
Moreau Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

Reference City: Jacksonville (User customized) Summer Temperature Difference: 23.0 F 3/29/04

Window	Type	Overhang	Window Area(sqft)			HTM		Load
	Panes/SHGC/U/InSh/ExSh Omt	Len Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, DEF, N, N N	1.5 9	222.0	0.0	222.0	24	24	5328 Btuh
2	2, Clear, DEF, N, N E	1.5 9	223.0	30.8	192.2	24	74	14960 Btuh
3	2, Clear, DEF, N, N E	1.5 9	45.0	0.0	45.0	24	74	3330 Btuh
4	2, Clear, DEF, N, N W	1.5 9	68.0	4.1	63.9	24	74	4829 Btuh
Window Total			558					28447 Btuh
<b>Walls</b>	Type	R-Value	Area		HTM	Load		
1	Frame - Exterior	11.0	1762.0		2.4	4229 Btuh		
2	Frame - Adjacent	11.0	205.0		1.6	328 Btuh		
Wall Total			1967.0			4557 Btuh		
<b>Doors</b>	Type		Area		HTM	Load		
1	Wood - Adjac		19.0		12.3	233 Btuh		
Door Total			19.0			233 Btuh		
<b>Ceilings</b>	Type/Color	R-Value	Area		HTM	Load		
1	Under Attic/Dark	30.0	2906.0		1.6	4533 Btuh		
Ceiling Total			2906.0			4533 Btuh		
<b>Floors</b>	Type	R-Value	Size		HTM	Load		
1	Slab-On-Grade Edge Insulation	0.0	288.0 ft(p)		0.0	0 Btuh		
Floor Total			288.0			0 Btuh		
<b>Infiltration</b>	Type	ACH	Volume		CFM=	Load		
	Natural	0.35	29060		169.9	4297 Btuh		
	Mechanical				0	0 Btuh		
Infiltration Total					170	4297 Btuh		

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

<b>Totals for Cooling</b>	<b>Subtotal</b>	<b>45068 Btuh</b>
	<b>Duct gain(using duct multiplier of 0.10)</b>	<b>4507 Btuh</b>
	<b>Total sensible gain</b>	<b>49575 Btuh</b>
	<b>Latent infiltration gain (for 49 gr. humidity difference)</b>	<b>5660 Btuh</b>
	<b>Latent occupant gain (6 people @ 230 Btuh per person)</b>	<b>1380 Btuh</b>
	<b>Latent other gain</b>	<b>0 Btuh</b>
<b>TOTAL GAIN</b>		<b>56614 Btuh</b>

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)  
(Omt - compass orientation)



# New Construction Subterranean Termite Soil Treatment Record

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

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. # 21688

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 Eckinger Home Builders Phone No. \_\_\_\_\_

## Section 3: Property Information

Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip) Oak Haven 94hd Lot 13 Block E off of Lake Johnson Hwy

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other \_\_\_\_\_

Approximate Depth of Footing: Outside 12 Inside 48 Type of Fill Asst

## Section 4: Treatment Information

Date(s) of Treatment(s) 4-21-04

Brand Name of Product(s) Used Surround

EPA Registration No. 70907-7-53883

Approximate Final Mix Solution % 0.5%

Approximate Size of Treatment Area: Sq. ft. 4021 Linear ft. 378 Linear ft. of Masonry Voids 824

Approximate Total Gallons of Solution Applied 1497

Was treatment completed on exterior? ☐ Yes ☒ No

Service Agreement Available? ☒ 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 Steve Brannon Date 4-21-04

**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)

# 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 12-3S-15-00167-042

Building permit No. 000021688

Use Classification SFD, UTILITY

Fire: 68.00

Permit Holder MATTHEW ERKINGER

Waste: 147.00

Owner of Building PAUL & KENDRA MOREAU

Total: 215.00

Location: 483 NW DOGWOOD TERR.(OAKHAVEN, LOT 13)

Date: 10/18/2004



*Harry Dickie*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)