

DATE 09/30/2005

# Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023677

APPLICANT KENNY TOWNSEND PHONE 752-4071  
ADDRESS PO BOX 1621 LAKE CITY FL 32025  
OWNER MATTHEW & LORI SIMPSON PHONE 365-5678  
ADDRESS 447 SW BREEZY LN LAKE CITY FL 32025  
CONTRACTOR MIKE HERLONG PHONE 752-4071  
LOCATION OF PROPERTY 441 S, R 131, L BEDENBAUGH, L WENDY, L BREEZY AT THE  
DEAD END

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 173400.00  
HEATED FLOOR AREA 3468.00 TOTAL AREA 4984.00 HEIGHT 30.00 STORIES 2  
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB  
LAND USE & ZONING AG-3 MAX. HEIGHT 35  
Minimum Set Back Requirements: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00  
NO. EX.D.U. 0 FLOOD ZONE XPSP DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 33-4S-17-08944-011 SUBDIVISION HILLCREST UNREC  
LOT C BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 11.00

000000831 \_\_\_\_\_ RB0029433 \_\_\_\_\_  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
WAIVER 05-0914-N BK N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR 1 FOOT ABOVE THE ROAD  
Check # or Cash 1401

## 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 \$ 870.00 CERTIFICATION FEE \$ 24.92 SURCHARGE FEE \$ 24.92  
MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ .00 WASTE FEE \$ \_\_\_\_\_  
FLOOD DEVELOPMENT FEE \$ \_\_\_\_\_ FLOOD ZONE FEE \$ \_\_\_\_\_ CULVERT FEE \$ \_\_\_\_\_ TOTAL FEE 969.84  
INSPECTORS OFFICE L. J. A. 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.



\_\_\_\_\_  
 Owner/Builder or Agent (Including Contractor)  
 STATE OF FLORIDA  
 COUNTY OF COLUMBIA  
 Sworn to (or affirmed) and subscribed before me  
 this 12 day of 09 2008  
 Personally known ☒ or Produced Identification \_\_\_\_\_

\_\_\_\_\_  
 Contractor Signature  
 Contractors License Number RB0029433  
 Competency Card Number \_\_\_\_\_  
 NOTARY STAMP/SEAL  
 LAURIE HODSON  
 MY COMMISSION # DB-338503  
 EXPIRES: June 28, 2008  
 Bonded Thru Notary Public Underseal  
 \_\_\_\_\_  
 Notary Signature



**COLUMBIA COUNTY BUILDING DEPARTMENT  
CHECKLIST FOR PERMITTING**

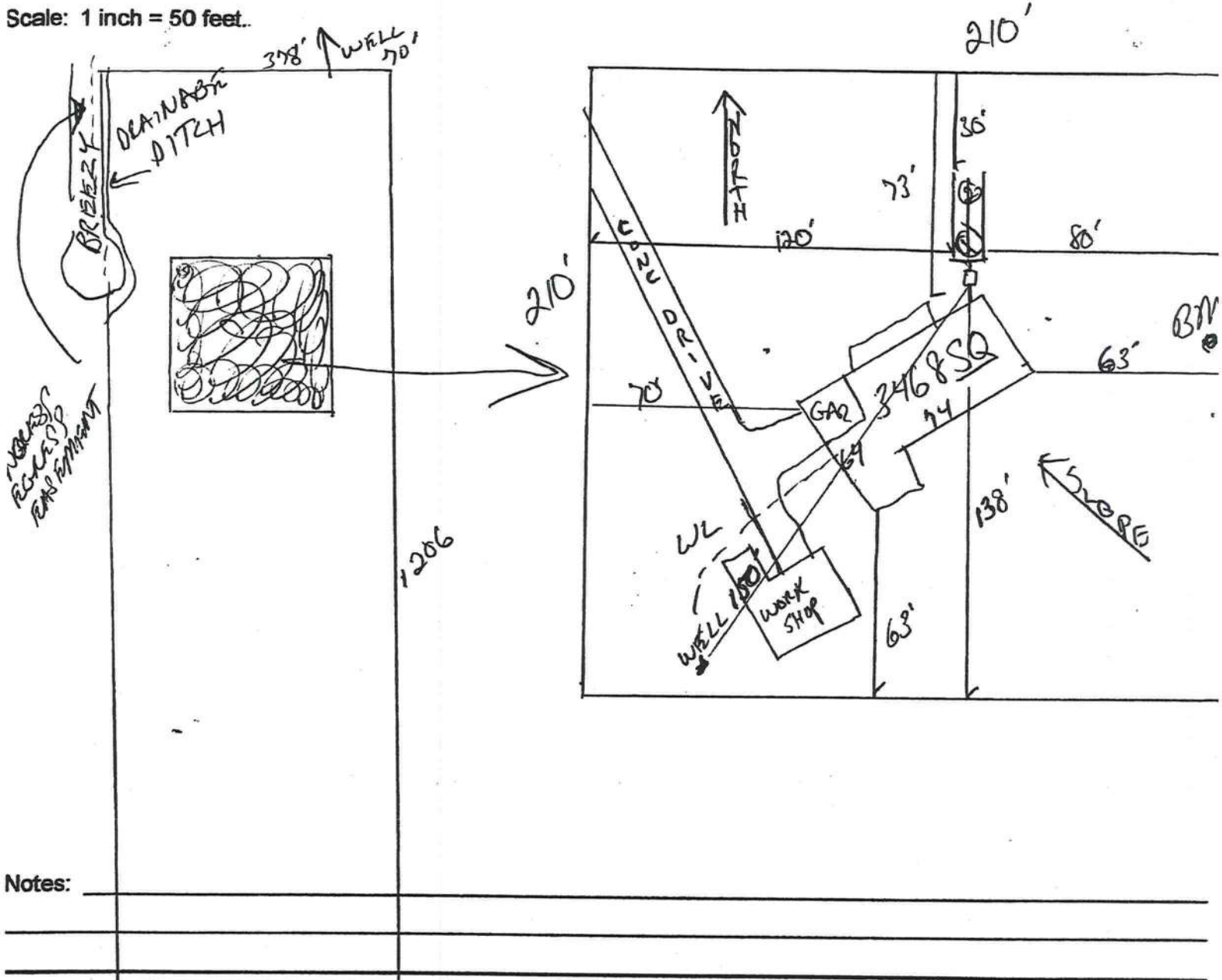
Application # \_\_\_\_\_

✓	<b>Notarized completed Building Permit Application</b>	Notes:
✓	<b>If an Owner Builder, signed Disclosure Statement</b>	Notes:
✓	<b>Recorded Deed or a Notarized Affidavit (form from the Building Dept.)</b>	Notes:
✓	<b>Approved and Signed Site Plan from Environmental Health on the septic</b>	Notes:
✓	<b>Site plan with actual distances of the structure to each property line</b>	Notes:
✓	<b>911 Address form, Contact 386.752.8787 for an appointment</b>	Notes:
✓	<b>Residential or Commercial Checklist completed</b>	Notes:
✓	<b>Driving directions including all street names</b>	Notes:
✓	<b>Well information (on plans or log)</b>	Notes:
○	<b>Before the 1<sup>st</sup> inspection Recorder</b>	Notes:
✓	<b>2 sets of plans (blueprints)</b>	Notes:
✗	<b>2 sets of sealed truss engineering</b>	Notes: Will bring in
✓	<b>2 sets of energy code &amp; manual</b>	Notes:
✓	<b>2 sets of engineering packets including specs on windows, doors, roof and etc.</b>	Notes:

# Septic  
# 7 Truss Prints  
Joe: Truss Plans  
Will be in late

Permit Application Number 05-09141

**Scale: 1 inch = 50 feet..**



**County Health Department**

Page 2 of 4



Henry Howard

AN EASEMENT FOR ACCESS AND EGRESS PURPOSES, LYING 30 FEET TO THE LEFT AND 30 FEET TO THE RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE, COMMENCE AT THE NE CORNER OF THE NW 1/4 OF THE NW 1/4 OF SECTION 33, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE S.06°14'30"W, 663.01 FEET, THENCE S.69°1'28.02"W, 30.00 FEET TO THE POINT OF BEGINNING OF SAID CENTERLINE, THENCE S.06°14'26"W, 536.65 FEET, THENCE S.22°46'38"W, 95.13 FEET, TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 300.00 FEET, AN INCLUDED ANGLE OF 16°52'21", AND A CHORD BEARING OF S.14°20'28"W, THENCE SOUTHERLY, ALONG THE ARC OF SAID CURVE, 883.24 FEET TO THE POINT OF REVERSE CURVE, HAVING A RADIUS OF 360.00 FEET, AN INCLUDED ANGLE OF 32°07'22", AND A CHORD BEARING OF S.21°57'58"W, THENCE SOUTHWESTERLY, ALONG THE ARC OF SAID CURVE, 201.83 FEET TO THE POINT OF REVERSE CURVE, HAVING A RADIUS OF 300.00 FEET, AN INCLUDED ANGLE OF 31°57'10", AND A CHORD BEARING OF S.22°03'09"W, THENCE SOUTHWESTERLY, ALONG THE ARC OF SAID CURVE, 167.30 FEET, THENCE S.06°14'30"W, 64.13 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 300.00 FEET, AN INCLUDED ANGLE OF 18°17'59", AND A CHORD BEARING OF S.03°04'30"E, THENCE SOUTHEASTERLY, ALONG THE ARC OF SAID CURVE, 95.82 FEET, THENCE S.12°13'30"E, 212.18 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 360.00 FEET, AN INCLUDED ANGLE OF 18°17'59", AND A CHORD BEARING OF S.03°04'30"E, THENCE SOUTHERLY, ALONG THE ARC OF SAID CURVE, 114.98 FEET, THENCE S.06°14'30"W, 764.74 FEET, THENCE SOUTHERLY, ALONG THE ARC OF SAID CURVE, 114.98 FEET, TO THE RIGHT, HAVING A RADIUS OF 330.00 FEET, AN INCLUDED ANGLE OF 19°13'54", AND A CHORD BEARING OF S.80°13'03"E, THENCE SOUTHEASTERLY, ALONG THE ARC OF SAID CURVE, 114.98 FEET, THENCE S.70°26'06"E, 483.93 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 330.00 FEET, AN INCLUDED ANGLE OF 76°32'43", AND A CHORD BEARING OF S.32°09'44"E, THENCE SOUTHEASTERLY, ALONG THE ARC OF SAID CURVE, 440.87 FEET, THENCE S.06°10'58"W, 553.91 FEET TO A POINT HEREIN KNOWN AS POINT 'A', THENCE CONTINUE S.06°10'38"W, 108.64 FEET TO THE POINT OF TERMINATION OF SAID CENTERLINE, SAID POINT BEING THE RADIUS POINT OF A 50 FOOT CUL-DE-SAC, SAID CUL-DE-SAC HAVING TANGENT RETURNS WITH A RADIUS OF 25.00 FEET, THENCE BEGIN AT THE POINT HEREIN CALLED POINT 'A', AND RUN THENCE N.87°33'18"W, 807.09 FEET TO THE POINT OF TERMINATION OF SAID CENTERLINE, SAID POINT BEING THE RADIUS POINT OF A 50 FOOT CUL-DE-SAC, SAID CUL-DE-SAC HAVING TANGENT RETURNS WITH A RADIUS OF 25.00 FEET.

S. 06° 04' 30" W.  
64.13' from

M & L Singer

Revised  
P.C.

33-4S-17-08944-011

COMM SW COR, RUN E 2304.72 FT  
FOR POB, RUN N 3 DEG E 976.26  
FT, CONT N 6 DEG E 273.63 FT,  
S 83 DEG E 408.38 FT, S 6 DEG

SIMPSON MATTHEW S & LORI G  
1262 SW WENDY TERR  
LAKE CITY

33-4S-17-08944-011

Columbia County 2005 R

PRINTED 8/03/2005 13:41  
APPR 6/24/2005 TW

CARD 001 of 001  
BY JEFF

FL 32025

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FLORIDA ENERGY EFFICIENCY CODE  
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A


Project Name:	Simpson Residence	Builder:	
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	South		

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: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	3367 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft² 235.0 ft²	a. Electric Heat Pump	Cap: 60.0 kBtu/hr
b. Default tint	0.0 ft² 0.0 ft²		HSPF: 7.00
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 213.6(p) ft		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 50.0 gallons
9. Wall types			EF: 0.90
a. Frame, Wood, Exterior	R=13.0, 1708.8 ft²	b. N/A	
b. N/A		c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	PT, CF,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 3703.7 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 74.6 ft		
b. N/A			

Glass/Floor Area: 0.07

Total as-built points: 35003  
Total base points: 48315

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.	
PREPARED BY: <u>William H. Trea</u>	BUILDING OFFICIAL: _____	
DATE: <u>8/12/05</u>	DATE: _____	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.		
OWNER/AGENT: <u>Kimmy David</u>		
DATE: <u>9-12-05</u>		

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.	



WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank	EF	Number of	X	Tank X	Multiplier X Credit = Total
Number of	X	Multiplier	=	Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms										
3		2369.00		7107.0	50.0	0.90	3		1.00	2316.36 1.00 6949.1
					As-Built Total:					6949.1

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
39775		1433		7107	48315	27178		876		6949	35003

PASS



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		2283.7		Winter As-Built Points:						1830.1	
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
2283.7		0.6274	1432.8	1830.1		1.000	(1.000 x 1.137 x 0.91)	0.487	0.950	876.3	
				1830.1		1.00	1.035	0.487	0.950	876.3	



WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points				
.18	3367.0	2.36	1430.3	Double, Clear	N	1.5	6.0	45.0	4.38	0.99	195.4	
				Double, Clear	N	1.5	6.0	30.0	4.38	0.99	130.3	
				Double, Clear	N	1.5	5.0	8.0	4.38	0.99	34.7	
				Double, Clear	N	1.5	6.0	20.0	4.38	0.99	86.8	
				Double, Clear	E	1.5	4.0	6.0	3.30	1.03	20.5	
				Double, Clear	S	1.5	7.0	126.0	3.12	1.01	396.5	
				As-Built Total:						235.0		864.1
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1708.8	0.60	1025.3			
Exterior	1708.8	0.60	1025.3									
Base Total:		1708.8	1025.3	As-Built Total:		1708.8		1025.3				
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points							
Adjacent	0.0	0.00	0.0	Exterior Wood			40.8	2.80	114.2			
Exterior	78.9	1.80	142.0	Exterior Wood			38.1	2.80	106.6			
Base Total:		78.9	142.0	As-Built Total:		78.9		220.9				
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points					
Under Attic	3367.0	0.10	336.7	Under Attic	30.0		3703.7	0.10 X 1.00		370.4		
Base Total:		3367.0	336.7	As-Built Total:		3703.7		370.4				
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Slab	213.6(p)	-2.1	-448.6	Slab-On-Grade Edge Insulation	0.0		213.6(p)	-2.10	-448.6			
Raised	0.0	0.00	0.0									
Base Total:		-448.6		As-Built Total:		213.6		-448.6				
INFILTRATION Area X BWPM = Points				Area X WPM = Points								
		3367.0	-0.06					3367.0	-0.06	-202.0		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points:		93237.1		Summer As-Built Points:		84226.4				
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
93237.1		0.4266	39774.9	84226.4		1.000	(1.000 x 1.165 x 0.90)	0.341	0.902	27178.0
				84226.4		1.00	1.048	0.341	0.902	27178.0



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
<b>GLASS TYPES</b> .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X	SPM X	SOF =	Points
.18	3367.0	32.50	19697.0	Double, Clear	N	1.5 6.0	45.0	31.93	0.94	1351.1
				Double, Clear	N	1.5 6.0	30.0	31.93	0.94	900.7
				Double, Clear	N	1.5 5.0	8.0	31.93	0.92	234.5
				Double, Clear	N	1.5 6.0	20.0	31.93	0.94	600.5
				Double, Clear	E	1.5 4.0	6.0	68.60	0.83	340.1
				Double, Clear	S	1.5 7.0	126.0	58.45	0.91	6703.7
				As-Built Total:			235.0			10130.6
<b>WALL TYPES</b> Area X BSPM = Points				Type	R-Value		Area X	SPM	=	Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1708.8	2.40		4101.1
Exterior	1708.8	2.70	4613.8							
Base Total:				As-Built Total:			1708.8			4101.1
<b>DOOR TYPES</b> Area X BSPM = Points				Type			Area X	SPM	=	Points
Adjacent	0.0	0.00	0.0	Exterior Wood			40.8	9.40		383.5
Exterior	78.9	6.40	504.8	Exterior Wood			38.1	9.40		358.0
Base Total:				As-Built Total:			78.9			741.5
<b>CEILING TYPES</b> Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM	=	Points
Under Attic	3367.0	2.80	9427.6	Under Attic	30.0		3703.7	2.77 X 1.00		10259.2
Base Total:				As-Built Total:			3703.7			10259.2
<b>FLOOR TYPES</b> Area X BSPM = Points				Type	R-Value		Area X	SPM	=	Points
Slab	213.6(p)	-20.0	-4272.0	Slab-On-Grade Edge Insulation	0.0		213.6(p)	-20.00		-4272.0
Raised	0.0	0.00	0.0							
Base Total:				As-Built Total:			213.6			-4272.0
<b>INFILTRATION</b> Area X BSPM = Points							Area X	SPM	=	Points
	3367.0	18.79	63265.9				3367.0	18.79		63265.9

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE\* = 88.1

The higher the score, the more efficient the home.

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: 10.00
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> )	3367 ft <sup>2</sup>		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft <sup>2</sup> 235.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 60.0 kBtu/hr
b. Clear - double pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>		HSPF: 7.00
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	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, 213.6(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1708.8 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 3703.7 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 74.6 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 Energy Gauge (Version: FLRCPB v3.30)*



# Residential System Sizing Calculation

## Summary

Project Title:  
Simpson Residence

Code Only  
Professional Version  
Climate: South

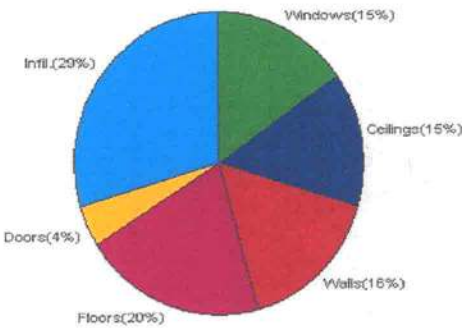
8/19/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	23 F
Total heating load calculation		Total cooling load calculation	
		32978 Btuh	
		32527 Btuh	
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	181.9 60000	Sensible (SHR = 0.5)	123.3 30000
Heat Pump + Auxiliary(0.0kW)	181.9 60000	Latent	365.6 30000
		Total (Electric Heat Pump)	184.5 60000

## WINTER CALCULATIONS

Winter Heating Load (for 3367 sqft)

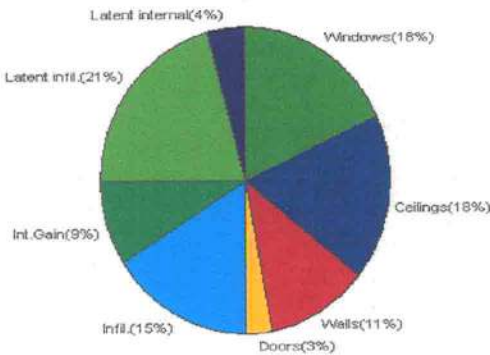
Load component		Load	
Window total	235 sqft	5053	Btuh
Wall total	1709 sqft	5297	Btuh
Door total	79 sqft	1415	Btuh
Ceiling total	3704 sqft	4815	Btuh
Floor total	214 ft	6750	Btuh
Infiltration	225 cfm	9649	Btuh
Subtotal		32978	Btuh
Duct loss		0	Btuh
TOTAL HEAT LOSS		32978	Btuh



## SUMMER CALCULATIONS

Summer Cooling Load (for 3367 sqft)

Load component		Load	
Window total	235 sqft	5940	Btuh
Wall total	1709 sqft	3657	Btuh
Door total	79 sqft	969	Btuh
Ceiling total	3704 sqft	5778	Btuh
Floor total		0	Btuh
Infiltration	197 cfm	4979	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		24322	Btuh
Duct gain		0	Btuh
Total sensible gain		24322	Btuh
Latent gain(infiltration)		6825	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		8205	Btuh
TOTAL HEAT GAIN		32527	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *William B. Fine*

DATE: *8/19/05*

# System Sizing Calculations - Winter

## Residential Load - Component Details

Project Title:  
Simpson Residence

Code Only  
Professional Version  
Climate: South

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

8/19/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	45.0	21.5	968 Btuh
2	2, Clear, Wood, DEF	N	30.0	21.5	645 Btuh
3	2, Clear, Wood, DEF	N	8.0	21.5	172 Btuh
4	2, Clear, Wood, DEF	N	20.0	21.5	430 Btuh
5	2, Clear, Wood, DEF	E	6.0	21.5	129 Btuh
6	2, Clear, Wood, DEF	S	126.0	21.5	2709 Btuh
Window Total			235		5053 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1709	3.1	5297 Btuh
Wall Total			1709		5297 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		41	17.9	732 Btuh
2	Wood - Exter		38	17.9	683 Btuh
Door Total			79		1415Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3704	1.3	4815 Btuh
Ceiling Total			3704		4815Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	213.6 ft(p)	31.6	6750 Btuh
Floor Total			214		6750 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	33670(sqft)	225	9649 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				225	9649 Btuh

Totals for Heating	Subtotal	32978 Btuh
	Duct Loss(using duct multiplier of 0.00)	0 Btuh
	Total Btuh Loss	32978 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

Project Title:  
Simpson Residence

Code Only  
Professional Version  
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 8/19/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	6	45.0	0.0	45.0	24	24	1080	Btuh
2	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	24	24	720	Btuh
3	2, Clear, DEF, N, N	N	1.5	5	8.0	0.0	8.0	24	24	192	Btuh
4	2, Clear, DEF, N, N	N	1.5	6	20.0	0.0	20.0	24	24	480	Btuh
5	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	24	74	444	Btuh
6	2, Clear, DEF, N, N	S	1.5	7	126.0	126.0	0.0	24	39	3024	Btuh
Window Total					235					5940	Btuh
Walls	Type	R-Value			Area		HTM		Load		
	1	Frame - Exterior	13.0			1708.8		2.1		3657	Btuh
	Wall Total					1708.8				3657	Btuh
Doors	Type				Area		HTM		Load		
	1	Wood - Exter				40.8		12.3		501	Btuh
	2	Wood - Exter				38.1		12.3		468	Btuh
	Door Total					78.9				969	Btuh
Ceilings	Type/Color	R-Value			Area		HTM		Load		
	1	Under Attic/Dark	30.0			3703.7		1.6		5778	Btuh
	Ceiling Total					3703.7				5778	Btuh
Floors	Type	R-Value			Size		HTM		Load		
	1	Slab-On-Grade Edge Insulation	0.0			213.6 ft(p)		0.0		0	Btuh
	Floor Total					213.6				0	Btuh
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			33670		196.8		4979	Btuh	
	Mechanical						0		0	Btuh	
	Infiltration Total							197	4979	Btuh	

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

Totals for Cooling	Subtotal	24322 Btuh
	Duct gain(using duct multiplier of 0.00)	0 Btuh
	Total sensible gain	24322 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	6825 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	32527 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)

EnergyGauge® FLRCPB v3.30

15244  
ATS# 15007

Inst: 2005022895 Date: 09/16/2005 Time: 16:17  
DC, P. DeWitt Cason, Columbia County B: 1058 P: 1823

This Instrument Prepared By:  
Michael H. Harrell  
Abstract & Title Services, Inc.  
283 NW Cole Terrace  
Lake City, Florida 32055

## NOTICE OF COMMENCEMENT

### TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713.13, Florida Statutes, the following is provided in this Notice of Commencement:

#### 1 Description of Property:

SEE EXHIBIT "A" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

2 The name and address of the undersigned owner is:  
Matthew S. Simpson and Lori G. Simpson, 447 SW Bay Drive  
Lake City, FL 32055 Breezy

3 The name and address of the contractor is: Columbia Home Builders, Inc. at 935 Hugo Street, Lake City, FL 32056.

4 The name and address of surety bond is: N/A

5 LENDER: First Federal Savings Bank of Florida  
4705 West US Highway 90  
PO Box 2029  
Lake City, FL 32056

6 Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE

7 In addition to himself, Owner designates Paula Hacker of First Federal Savings Bank of Florida, 4705 West US Highway 90 / PO Box 2029, Lake City, FL 32056, to receive a copy of the Lienor's Notice as provided in Section 713.06(2)(b) Florida Statutes.

8 Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

\*Owner is used for singular or plural as context requires.

Signed, sealed and delivered in the presence:

Tracy Cason  
WITNESS

Matthew S. Simpson  
Matthew S. Simpson

WITNESS

Lori G. Simpson  
Lori G. Simpson

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 14<sup>th</sup> day of September by Matthew S. Simpson and his wife, Lori G. Simpson, personally known to me or, if not personally known to me, who provided Diver's License No. \_\_\_\_\_ for identification and who did not take an oath.

Witness my hand and official seal this 14th day of September, 2005.

(SEAL)

NOTARY PUBLIC

My Commission Expires:



I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL DOCUMENT EXECUTED THIS 14<sup>th</sup> DAY OF September, 2005

NOTARY PUBLIC





Inst:2005022895 Date:09/16/2005 Time:16:17

DC, P. DeWitt Cason, Columbia County B:1058 P:1824

ATS #15244

## Exhibit "A"

## Parcel A

A part of Section 33, Township 4 South, Range 17 East, Columbia County, Florida, being more particularly described as follows: Commence at the Southwest corner of said Section 33, and run thence N 89°22'48" E along the South line of said Section 33, 2304.72 feet to the Point of Beginning; thence N 03°26'29" E 976.26 feet; thence N 06°06'38" E 273.63 feet; thence S 83°53'22" E 408.38 feet; thence S 06°06'38" W 1206.00 feet to the Southeast corner of the Southwest ¼ of said Section 33; thence S 89°22'48" W 365.48 feet to the Point of Beginning.

SUBJECT TO AND TOGETHER WITH an easement for ingress and egress purposes, lying 30 feet to the left and 30 feet to the right of the following described centerline: Commence at the Northeast corner of the Northwest ¼ of the Northwest ¼ of Section 33, Township 4 South, Range 17 East, Columbia County, Florida, and run thence S 06°04'30" W 663.01 feet; thence S 89°28'02" W 30.00 feet to the Point of Beginning of said centerline; thence S 06°04'26" W 530.65 feet; thence S 22°46'38" W 95.13 feet to the Point of Curvature of a curve to the left, having a radius of 300.00 feet, an included angle of 16°52'21" and a chord bearing of S 14°20'28" W; thence Southerly, along the arc of said curve, 88.34 feet to the Point of Reverse Curve, having a radius of 360.00 feet, an included angle of 32°07'22" and a chord bearing of S 21°57'58" W; thence Southwesterly, along the arc of said curve, 201.83 feet to the Point of Reverse Curve, having a radius of 300.00 feet, an included angle of 31°57'10" and a chord bearing of S 22°03'05" W; thence Southwesterly, along the arc of said curve, 167.30 feet; thence S 06°04'30" W 64.13 feet to the Point of Curvature of a curve to the left, having a radius of 300.00 feet, an included angle of 18°17'59" and a chord bearing of S 03°04'30" E; thence Southeasterly along the arc of said curve, 95.82 feet; thence S 12°13'30" E 212.18 feet to the Point of Curvature of a curve to the right, having a radius of 360.00 feet, an included angle of 18°17'59" and a chord bearing of S 03°04'30" E; thence Southerly, along the arc of said curve, 114.98 feet; thence S 06°04'30" W 764.74 feet; thence N 90°00'00" E 154.00 feet to the Point of a Curvature of a curve to the right having a radius of 330.00 feet, an included angle of 19°33'54" and a chord bearing of S 80°13'03" E; thence Southeasterly, along the arc of said curve, 112.69 feet; thence S 70°26'06" E 483.93 feet to the Point of Curvature of a curve to the right, having a radius of 330.00 feet, an included angle of 76°32'43" and a chord bearing of S 32°09'44" E; thence Southeasterly, along the arc of said curve, 440.87 feet; thence S 06°06'38" W 523.91 feet to a point herein known as Point "A"; thence continue S 06°06'38" W 108.64 feet to the Point of Termination of said centerline, said point being the radius point of a 50 foot cul-de-sac, said cul-de-sac having tangent returns with a radius of 25.00 feet.

Weggie

**Columbia County Building Department  
Culvert Waiver**

**Culvert Waiver No.  
000000831**

DATE: 09/30/2005

BUILDING PERMIT NO. 23677

APPLICANT KENNY TOWNSEND

PHONE 752-4071

ADDRESS PO BOX 1621 LAKE CITY FL 32056

OWNER MATTHEW & LORI SIMPSON PHONE 365-5678

ADDRESS 447 SW BREEZY LN LAKE CITY FL 32025

CONTRACTOR MIKE HERLONG PHONE 752-4071

LOCATION OF PROPERTY 441 S, R 131, L BEDENBAUGH, L WENDY, L BREEZY AT THE DEAD END

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HILLCREST C

PARCEL ID # 33-4S-17-08944-011

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: *Kenny Townsend*

A SEPARATE CHECK IS REQUIRED

MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

**PUBLIC WORKS DEPARTMENT USE ONLY**

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

\_\_\_\_\_APPROVED\_\_\_\_\_ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: PRIVATE

SIGNED: *Darryl Little* DATE: 10/4/05

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

COLUMBIA COUNTY

OCT 03 2005

PUBLIC WORKS DEPT.

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





# COLUMBIA COUNTY OR 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 33-4S-17-08944-011

Building permit No. 000023677

Use Classification SFD, UTILITY

Fire: 33.04

Permit Holder MIKE HERLONG

Waste: 49.00

Owner of Building MATTHEW & LORI SIMPSON

Total: 82.04

Location: 447 SW BREEZY LANE, LAKE CITY, FL

Date: 06/22/2006



\_\_\_\_\_  
Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)



# Notice of Treatment

11705

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 801A Ave

City: Lake City Phone: 782 1703

Site Location: Subdivision H. West

Lot # C Block # Permit # 23607 & 23678

Address 447 SW Breezy Way

Product used Active Ingredient % Concentration

☒ Dursban TC Chlorpyrifos 0.5%

☒ Termidor Fipronil 0.06%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment: ☒ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
<u>Building (Main Body)</u>	<u>4127</u>	<u>281</u>	<u>36.5</u>
<u>Detached Garage</u>	<u>876</u>	<u>130</u>	<u>7.5</u>

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line \_\_\_\_\_.

Date 11/10/05 Time 1300 Print Technician's Name F. S. Gundy

Remarks: \_\_\_\_\_