

## Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0605.63 Date Received 5/16/06 By G Permit # 1092/24566  
 Application Approved by - Zoning Official BLK Date 26.05.06 Plans Examiner OK JTH Date 5-23-06  
 Flood Zone X permit Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low-Den  
 Comments \_\_\_\_\_

Applicants Name DON REED CONSTRUCTION, INC Phone 386 762 4072  
 Address 2230 SE BAY DR. STE 101 LAKE CITY, FL 32025  
 Owners Name EARNEST & PATTY LOSSOW Phone 386-762-4072  
 911 Address 365 NW ZACK DRIVE LAKE CITY, FL 32055  
 Contractors Name DON REED CONSTRUCTION Phone -SAME AS ABOVE-  
 Address -SAME AS ABOVE-  
 Fee Simple Owner Name & Address N/A  
 Bonding Co. Name & Address N/A  
 Architect/Engineer Name & Address MARY DISOWAN P.O. Box 8108 LAKE CITY, FL 32051  
 Mortgage Lenders Name & Address MERCANTILE BANK 425 22ND AVE N ST. PETERSBURG, FL 33704  
 Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy  
 Property ID Number 28-35-16-02372-413 Estimated Cost of Construction \$179,000.00  
 Subdivision Name EMERALD LAKES Lot 113 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase 4  
 Driving Directions HIGHWAY 90 WEST, TR ON BROWN RD, TL ON EMERALD LAKES DRIVE, TR ON ZACK PASS HARWELL COURT, 3RD LOT ON RIGHT.

Type of Construction SINGLE FAMILY DWELLING Number of Existing Dwellings on Property 0  
 Total Acreage .50 Lot Size \_\_\_\_\_ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive  
 Actual Distance of Structure from Property Lines - Front 40' Side 30' Side 10' Rear 90'  
 Total Building Height 12' Number of Stories 1 Heated Floor Area 2098 Roof Pitch 6/12  
PORCH 165 GARAGE 504 TOTAL 2767

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.**

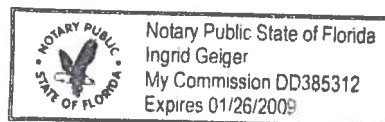
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
 this 15th day of May 2006  
 Personally known ✓ or Produced Identification \_\_\_\_\_

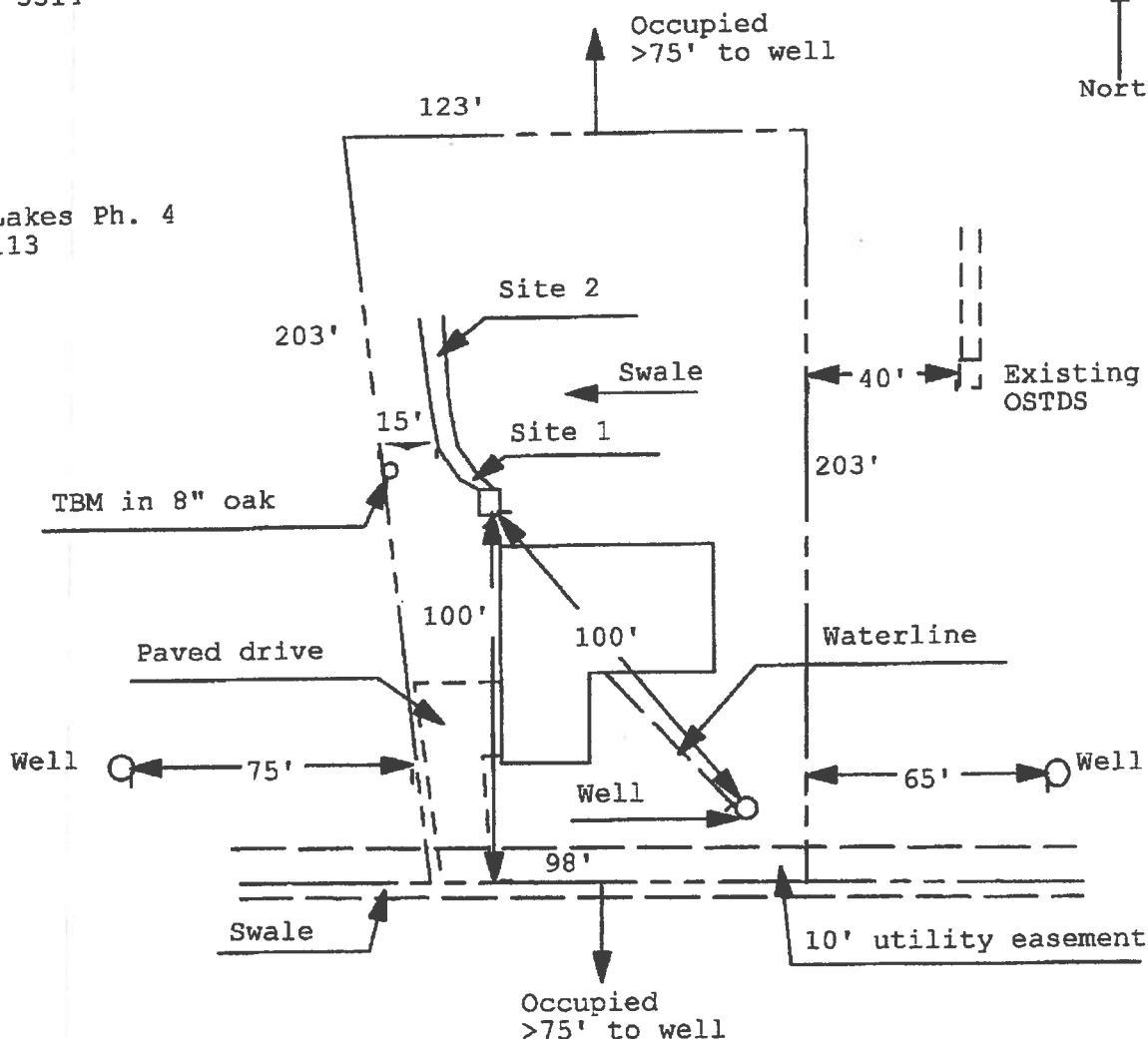
Contractor Signature [Signature]  
 Contractors License Number C6036224  
 Competency Card Number \_\_\_\_\_  
 NOTARY STAMP/SEAL

Notary Signature



**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**

North



**Notes:**

0.5007 AC.

N10° 13'

154.00' S 89° 43'

34.00'

20.00'

90'

Septic

150.00'

2 AC.

30'

55'

195.43'

65'

10'

24'

16'

40'

Well

56.88'

(C23)

F 30

(C22)

ZACK

30+57+2+7



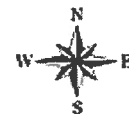
### Columbia County Property Appraiser

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

#### PARCEL: 28-3S-16-02372-413 - VACANT (000000)

Name: LOSSOW PATRICIA & ERNEST	LandVal	\$25,500.00
Site: 113 EMERALD LKES PH4	BldgVal	\$0.00
3887 NW ARCHER ST	ApprVal	\$25,500.00
Mail: APT 102	JustVal	\$25,500.00
LAKE CITY, FL 32055	Assd	\$25,500.00
Sales Info 8/9/2005 \$100.00 V / U	Exmpt	\$0.00
	Taxable	\$25,500.00

0 180 360 540 ft



This information, GIS Map Updated: 5/5/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

RETURN TO

ROBERT SANDERS

214 NW HARWELL CT.

LAKE CITY, FL 32055

**DEED TO REAL PROPERTY**

For and in consideration of ten dollars, I grant to Patricia + Ernest Lossow  
all that real property situated in Lake City in the county of Columbia  
and state of Florida bounded and described as follows:  
Lot 113, Emerald Lakes, Phase 4

Witnessed by:

Linda K Causey  
Linda K Causey  
(Printed Name)  
Phyllis M Parlatti  
PHYLLIS M PARLATTI

(Printed Name)

Robert W. Sanders  
Robert W. Sanders

Inst:2005019045 Date:08/09/2005 Time:11:34

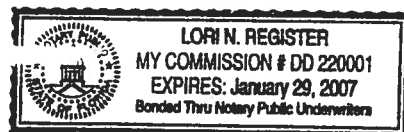
Doc Stamp-Deed : 0.70

mk DC, P. Dewitt Cason, Columbia County B:1054 P:1122

**STATE OF FLORIDA  
COUNTY OF COLUMBIA**

The foregoing instrument was acknowledged before me this 9th day of August,  
2005, by Robert W. Sanders, who produced personally known as  
identification or is personally known to me.

Lori N. Register  
Notary Public  
My Commission Expires: 1/29/07



# COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 \* FAX: (386) 758-1365 \* Email: ron\_croft@columbiacountyfla.com

## Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 4/11/2006 DATE ISSUED: 4/12/2006

### ENHANCED 9-1-1 ADDRESS:

355 NW ZACK

DR

LAKE CITY FL 32055

### PROPERTY APPRAISER PARCEL NUMBER:

28-3S-16-02372-413

### Remarks:

LOT 113 EMERALD LAKES PHASE 4 S/D

Address Issued By:

  
Columbia County 9-1-1 Addressing / GIS Department

**NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.**

158

COLUMBIA COUNTY  
9-1-1 ADDRESSING  
APPROVED

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

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

Project Name:	<b>Lossow Residence</b>	Builder:	<b>Don Reed</b>
Address:	<b>Lot: 113, Sub: Emerald Lakes, Plat:</b>	Permitting Office:	<b>Columbia</b>
City, State:	<b>Lake City, FL</b>	Permit Number:	<b>24566</b>
Owner:	<b>Earnest &amp; Patty Lossow</b>	Jurisdiction Number:	<b>221000</b>
Climate Zone:	<b>North</b>		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr SEER: 10.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	Yes	13. Heating systems	
6. Conditioned floor area (ft <sup>2</sup> )	2098 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 36.0 kBtu/hr HSPF: 6.80
7. Glass area & type		b. N/A	
a. Clear - single pane	0.0 ft <sup>2</sup>	c. N/A	
b. Clear - double pane	396.0 ft <sup>2</sup>	14. Hot water systems	
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup>	a. Electric Resistance	Cap: 50.0 gallons EF: 0.90
d. Tint/other SHGC - double pane	0.0 ft <sup>2</sup>	b. N/A	
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft	(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
9. Wall types			
a. Frame, Wood, Adjacent	R=13.0, 168.0 ft <sup>2</sup>		
b. Frame, Wood, Exterior	R=13.0, 1875.0 ft <sup>2</sup>		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 2098.0 ft <sup>2</sup>		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 148.0 ft		
b. N/A			

Glass/Floor Area: 0.19

Total as-built points: 31104

Total base points: 31732

# PASS

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

PREPARED BY: Don Reed

DATE: 8-25-05

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: Don Reed

DATE: 8-25-05

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: Lot: 113, Sub: Emerald Lakes, Plat: , Lake City, 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	2098.0	20.04	7567.9	Double, Clear	E	9.0	7.0	36.0	40.22	0.46	664.4
				Double, Clear	E	9.0	10.0	13.3	40.22	0.54	291.1
				Double, Clear	E	9.0	3.0	5.0	40.22	0.36	71.8
				Double, Clear	E	1.5	7.0	36.0	40.22	0.94	1358.7
				Double, Clear	N	1.5	1.0	2.7	19.22	0.65	33.5
				Double, Clear	N	1.5	6.0	20.0	19.22	0.94	360.8
				Double, Clear	NE	1.5	7.0	15.0	28.72	0.94	406.7
				Double, Clear	N	1.5	7.0	24.0	19.22	0.96	440.5
				Double, Clear	NW	1.5	7.0	30.0	25.46	0.95	723.4
				Double, Clear	W	1.5	7.0	108.0	36.99	0.94	3750.6
				Double, Clear	W	1.5	7.0	24.0	36.99	0.94	833.5
				Double, Clear	W	1.5	6.0	20.0	36.99	0.91	675.6
				Double, Clear	SW	1.5	7.0	30.0	38.46	0.92	1061.3
				Double, Clear	S	1.5	1.0	32.0	34.50	0.47	522.4
				As-Built Total:				396.0			11194.2
WALL TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM		= Points		
Adjacent	168.0	0.70	117.6	Frame, Wood, Adjacent	13.0		168.0	0.60	100.8		
Exterior	1875.0	1.70	3187.5	Frame, Wood, Exterior	13.0		1875.0	1.50	2812.5		
Base Total:		2043.0	3305.1	As-Built Total:		2043.0				2913.3	
DOOR TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM		= Points		
Adjacent	20.0	2.40	48.0	Exterior Insulated			40.0	4.10	164.0		
Exterior	40.0	6.10	244.0	Adjacent Insulated			20.0	1.60	32.0		
Base Total:		60.0	292.0	As-Built Total:		60.0				196.0	
CEILING TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM X SCM		= Points		
Under Attic	2098.0	1.73	3629.5	Under Attic	30.0		2098.0	1.73 X 1.00	3629.5		
Base Total:		2098.0	3629.5	As-Built Total:		2098.0				3629.5	
FLOOR TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM		= Points		
Slab	204.0(p)	-37.0	-7548.0	Slab-On-Grade Edge Insulation	0.0		204.0(p)	-41.20	-8404.8		
Raised	0.0	0.00	0.0								
Base Total:			-7548.0	As-Built Total:		204.0				-8404.8	



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 113, Sub: Emerald Lakes, Plat: , Lake City, FL,

PERMIT #:

BASE				<del>AS-BUILT</del>			
INFILTRATION Area X BSPM = Points				<del>Area X SPM = Points</del>			
2098.0 10.21 21420.6				<del>2098.0 10.21 21420.6</del>			
<b>Summer Base Points: 28667.1</b>				<b>Summer As-Built Points: 30948.9</b>			
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier X System Multiplier X Credit Multiplier = Cooling Points
						(DM x DSM x AHU)	
28667.1		0.4266	12229.4	30948.9	1.000	(1.090 x 1.147 x 0.91)	0.341 1.000 12017.4
				<b>30948.9</b>	<b>1.00</b>	<b>1.138</b>	<b>0.341 1.000 12017.4</b>

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 113, Sub: Emerald Lakes, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2098.0	12.74	4811.1	Double, Clear	E	9.0	7.0	36.0	9.09	1.35	443.0
				Double, Clear	E	9.0	10.0	13.3	9.09	1.26	152.5
				Double, Clear	E	9.0	3.0	5.0	9.09	1.51	68.5
				Double, Clear	E	1.5	7.0	36.0	9.09	1.03	336.0
				Double, Clear	N	1.5	1.0	2.7	14.30	1.02	39.0
				Double, Clear	N	1.5	6.0	20.0	14.30	1.00	286.8
				Double, Clear	NE	1.5	7.0	15.0	13.40	1.00	201.7
				Double, Clear	N	1.5	7.0	24.0	14.30	1.00	343.8
				Double, Clear	NW	1.5	7.0	30.0	14.03	1.00	421.6
				Double, Clear	W	1.5	7.0	108.0	10.77	1.02	1181.8
				Double, Clear	W	1.5	7.0	24.0	10.77	1.02	262.6
				Double, Clear	W	1.5	6.0	20.0	10.77	1.02	220.4
				Double, Clear	SW	1.5	7.0	30.0	7.17	1.04	224.2
				Double, Clear	S	1.5	1.0	32.0	4.03	3.28	422.5
				<b>As-Built Total:</b>				<b>396.0</b>	<b>4604.3</b>		
<b>WALL TYPES</b>				Area X BWPM = Points		Type		R-Value	Area X WPM = Points		
Adjacent	168.0	3.60	604.8	Frame, Wood, Adjacent				13.0	168.0	3.30	554.4
Exterior	1875.0	3.70	6937.5	Frame, Wood, Exterior				13.0	1875.0	3.40	6375.0
<b>Base Total:</b>		<b>2043.0</b>	<b>7542.3</b>	<b>As-Built Total:</b>				<b>2043.0</b>	<b>6929.4</b>		
<b>DOOR TYPES</b>				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	20.0	11.50	230.0	Exterior Insulated				40.0	8.40	336.0	
Exterior	40.0	12.30	492.0	Adjacent Insulated				20.0	8.00	160.0	
<b>Base Total:</b>		<b>60.0</b>	<b>722.0</b>	<b>As-Built Total:</b>				<b>60.0</b>	<b>496.0</b>		
<b>CEILING TYPES</b>				Area X BWPM = Points		Type		R-Value	Area X WPM X WCM = Points		
Under Attic	2098.0	2.05	4300.9	Under Attic				30.0	2098.0	2.05 X 1.00	4300.9
<b>Base Total:</b>		<b>2098.0</b>	<b>4300.9</b>	<b>As-Built Total:</b>				<b>2098.0</b>	<b>4300.9</b>		
<b>FLOOR TYPES</b>				Area X BWPM = Points		Type		R-Value	Area X WPM = Points		
Slab	204.0(p)	8.9	1815.6	Slab-On-Grade Edge Insulation				0.0	204.0(p)	18.80	3835.2
Raised	0.0	0.00	0.0								
<b>Base Total:</b>		<b>1815.6</b>	<b>1815.6</b>	<b>As-Built Total:</b>				<b>204.0</b>	<b>3835.2</b>		

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 113, Sub: Emerald Lakes, Plat: , Lake City, FL,

PERMIT #:

BASE				<del>AS-BUILT</del>			
INFILTRATION Area X BWPM = Points				<del>Area X WPM = Points</del>			
2098.0 -0.59 -1237.8				<del>2098.0 -0.59 -1237.8</del>			
<b>Winter Base Points: 17954.1</b>				<b>Winter As-Built Points: 18928.0</b>			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier X System Multiplier X Credit Multiplier = Heating Points
						(DM x DSM x AHU)	
17954.1		0.6274	11264.4	18928.0	1.000	(1.069 x 1.169 x 0.93)	0.501
				<b>18928.0</b>	<b>1.00</b>	<b>1.162</b>	<b>0.501</b>
							1.000 11031.3
							<b>1.000 11094.3</b>

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 113, Sub: Emerald Lakes, Plat: , Lake City, FL,

PERMIT #:

BASE				<del>AS-BUILT</del>					
WATER HEATING				<del></del>					
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Multiplier X Ratio	Credit = Total Multiplier
3		2746.00	8238.0	50.0	0.90	3		1.00 2684.98	1.00 8054.9
				As-Built Total:					
				8054.9					

CODE COMPLIANCE STATUS							
<del>BASE</del>				<del>AS-BUILT</del>			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
12229		11264	8238 31732	12017		11031	8055 31104

PASS



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 113, Sub: Emerald Lakes, Plat: , 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\* = 82.4**

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

**Earnest & Patty Lossow, Lot: 113, Sub: Emerald Lakes, Plat: , Lake City, FL,**

1. New construction or existing	New	___	12. Cooling systems	___
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 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?	Yes	___	c. N/A	___
6. Conditioned floor area (ft <sup>2</sup> )	2098 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: 36.0 kBtu/hr
b. Clear - double pane	396.0 ft <sup>2</sup>	___		HSPF: 6.80
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>	___	c. N/A	___
8. Floor types		___	14. Hot water systems	___
a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(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, Adjacent	R=13.0, 168.0 ft <sup>2</sup>	___	(HR-Heat recovery, Solar	___
b. Frame, Wood, Exterior	R=13.0, 1875.0 ft <sup>2</sup>	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	___
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, 2098.0 ft <sup>2</sup>	___	RB-Attic radiant barrier,	___
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, 148.0 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: [Signature]

Date: 8-25-05

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](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 v3.2)

# Residential System Sizing Calculation

## Summary

Earnest & Patty Lossow

Project Title:  
Lossow Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

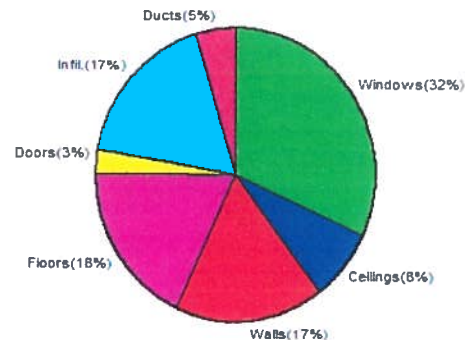
8/25/2005

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
<b>Total heating load calculation</b>	<b>35065 Btuh</b>	<b>Total cooling load calculation</b>	<b>35181 Btuh</b>
Submitted heating capacity	36000 Btuh	Submitted cooling capacity	36000 Btuh
Submitted as % of calculated	102.7 %	Submitted as % of calculated	102.3 %

## WINTER CALCULATIONS

Winter Heating Load (for 2098 sqft)

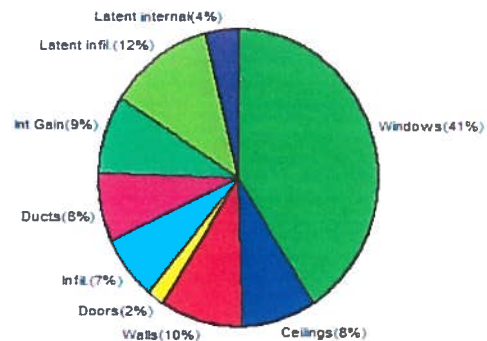
Load component		Load	
Window total	396 sqft	11207	Btuh
Wall total	2043 sqft	6081	Btuh
Door total	60 sqft	921	Btuh
Ceiling total	2098 sqft	2727	Btuh
Floor total	204 ft	6446	Btuh
Infiltration	140 cfm	6012	Btuh
<b>Subtotal</b>		<b>33395</b>	<b>Btuh</b>
Duct loss		1670	Btuh
<b>TOTAL HEAT LOSS</b>		<b>35065</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 2098 sqft)

Load component		Load	
Window total	396 sqft	14409	Btuh
Wall total	2043 sqft	3437	Btuh
Door total	60 sqft	608	Btuh
Ceiling total	2098 sqft	2979	Btuh
Floor total		0	Btuh
Infiltration	123 cfm	2428	Btuh
Internal gain		3000	Btuh
<b>Subtotal(sensible)</b>		<b>26862</b>	<b>Btuh</b>
Duct gain		2686	Btuh
<b>Total sensible gain</b>		<b>29548</b>	<b>Btuh</b>
Latent gain(infiltration)		4253	Btuh
Latent gain(internal)		1380	Btuh
<b>Total latent gain</b>		<b>5633</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>35181</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *David L. Hadden*

DATE: 8-25-05

# System Sizing Calculations - Winter

## Residential Load - Component Details

Earnest & Patty Lossow

Project Title:  
Lossow Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

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

8/25/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
2	2, Clear, Metal, DEF	N	13.3	28.3	377 Btuh
3	2, Clear, Metal, DEF	N	5.0	28.3	142 Btuh
4	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
5	2, Clear, Metal, DEF	W	2.7	28.3	75 Btuh
6	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
7	2, Clear, Metal, DEF	NW	15.0	28.3	424 Btuh
8	2, Clear, Metal, DEF	W	24.0	28.3	679 Btuh
9	2, Clear, Metal, DEF	SW	30.0	28.3	849 Btuh
10	2, Clear, Metal, DEF	S	108.0	28.3	3056 Btuh
11	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
12	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
13	2, Clear, Metal, DEF	SE	30.0	28.3	849 Btuh
14	2, Clear, Metal, DEF	E	32.0	28.3	906 Btuh
Window Total			396		11207 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	168	1.6	269 Btuh
2	Frame - Exterior	13.0	1875	3.1	5812 Btuh
Wall Total			2043		6081 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		40	18.3	733 Btuh
2	Insulated - Adjac		20	9.4	188 Btuh
Door Total			60		921 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2098	1.3	2727 Btuh
Ceiling Total			2098		2727 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	204.0 ft(p)	31.6	6446 Btuh
Floor Total			204		6446 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	20980(sqft)	140	6012 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				140	6012 Btuh

<b>Totals for Heating</b>	<b>Subtotal</b>	<b>33395 Btuh</b>
	<b>Duct Loss(using duct multiplier of 0.05)</b>	<b>1670 Btuh</b>
	<b>Total Btuh Loss</b>	<b>35065 Btuh</b>



# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Earnest & Patty Lossow

Project Title:  
Lossow Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

8/25/2005

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

Earnest & Patty Lossow

Project Title:  
Lossow Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

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

8/25/2005

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	9	7	36.0	0.0	36.0	22	22	792 Btuh		
2	2, Clear, DEF, N, N	N	9	10	13.3	0.0	13.3	22	22	293 Btuh		
3	2, Clear, DEF, N, N	N	9	3	5.0	0.0	5.0	22	22	110 Btuh		
4	2, Clear, DEF, N, N	N	1.5	7	36.0	0.0	36.0	22	22	792 Btuh		
5	2, Clear, DEF, N, N	W	1.5	1	2.7	2.7	0.0	22	72	59 Btuh		
6	2, Clear, DEF, N, N	W	1.5	6	20.0	1.0	19.0	22	72	1391 Btuh		
7	2, Clear, DEF, N, N	NW	1.5	7	15.0	0.0	15.0	22	50	750 Btuh		
8	2, Clear, DEF, N, N	W	1.5	7	24.0	1.0	23.0	22	72	1679 Btuh		
9	2, Clear, DEF, N, N	SW	1.5	7	30.0	3.8	26.2	22	62	1708 Btuh		
10	2, Clear, DEF, N, N	S	1.5	7	108.0	36.0	72.0	22	37	3456 Btuh		
11	2, Clear, DEF, N, N	S	1.5	7	24.0	24.0	0.0	22	37	528 Btuh		
12	2, Clear, DEF, N, N	S	1.5	6	20.0	20.0	0.0	22	37	440 Btuh		
13	2, Clear, DEF, N, N	SE	1.5	7	30.0	3.8	26.2	22	62	1708 Btuh		
14	2, Clear, DEF, N, N	E	1.5	1	32.0	32.0	0.0	22	72	704 Btuh		
Window Total					396					14409 Btuh		
Walls	Type	R-Value			Area			HTM		Load		
	1	Frame - Adjacent			13.0			168.0			1.0	175 Btuh
	2	Frame - Exterior			13.0			1875.0			1.7	3262 Btuh
Wall Total					2043.0					3437 Btuh		
Doors	Type				Area			HTM		Load		
	1	Insulated - Exter			40.0			10.1		406 Btuh		
	2	Insulated - Adjac			20.0			10.1		203 Btuh		
Door Total					60.0					608 Btuh		
Ceilings	Type/Color	R-Value			Area			HTM		Load		
	1	Under Attic/Dark			30.0			2098.0			1.4	2979 Btuh
	Ceiling Total					2098.0					2979 Btuh	
Floors	Type	R-Value			Size			HTM		Load		
	1	Slab-On-Grade Edge Insulation			0.0			204.0 ft(p)			0.0	0 Btuh
	Floor Total					204.0					0 Btuh	
Infiltration	Type	ACH			Volume			CFM=		Load		
	Natural	0.35			20980			122.6		2428 Btuh		
	Mechanical							0		0 Btuh		
	Infiltration Total								123		2428 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	6			X 300 +			1200		3000 Btuh			

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Earnest & Patty Lossow

Project Title:  
Lossow Residence

Code Only  
Professional Version  
Climate: North

Lake City, FL

8/25/2005

<b>Totals for Cooling</b>	<b>Subtotal</b>	<b>26862 Btuh</b>
	<b>Duct gain(using duct multiplier of 0.10)</b>	<b>2686 Btuh</b>
	<b>Total sensible gain</b>	<b>29548 Btuh</b>
	<b>Latent infiltration gain (for 51 gr. humidity difference)</b>	<b>4253 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>35181 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)

FROM :

FAX NO. : 386-755-7022

Jun. 12 2002 01:32PM P1

# HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL  
OWNERS

PHONE (904) 752-1854  
FAX (904) 755-7022  
XXXXXXXXXXXXXXXXXXXX  
LAKE CITY, FLORIDA 32055  
904 NW Main Blvd.

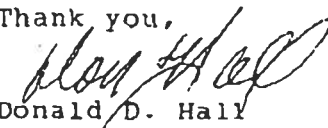
June 12, 2002

## NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

  
Donald D. Hall  
DDH/jk

# Columbia County Building Department Culvert Permit

Culvert Permit No.  
**000001092**

DATE 05/26/2006 PARCEL ID # 28-3S-16-02372-413  
APPLICANT KATIE REED PHONE 752-4072  
ADDRESS 2230 SE BAYA DRIVE LAKE CITY FL 32055  
OWNER EARNEST & PATTY LOSSOW PHONE 752-4072  
ADDRESS 555 NW ZACK DRIVE LAKE CITY FL 32055  
CONTRACTOR DON REED PHONE 752-4072  
LOCATION OF PROPERTY 90W, TR ON BROWN RD, TL ON EMERALD LAKES DR, TR ON ZACK,  
PASS HARWELL COURT, 3RD LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT EMERALD LAKES 113 4

SIGNATURE

*Katie Reed*

## **INSTALLATION REQUIREMENTS**



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other \_\_\_\_\_

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

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

Amount Paid 25.00



## Notice of Treatment

12045

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

Address: RAYA AVE

City LC Phone 752-1103

Site Location: Subdivision Emerald Lakes Phase 4

Lot # 113 Block#  Permit # 24566

Address 355 ZACK DR

### Product used

### Active Ingredient

### % Concentration

☒ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

### Type treatment:

☒ Soil

☐ Wood

### Area Treated

### Square feet

### Linear feet

### Gallons Applied

<u>Dwelling</u>	<u>2767</u>	<u>248</u>	<u>250</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></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 \_\_\_\_\_.

6-16-06 1300 F254  
Date Time Print Technician's Name

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

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



ADD to  
12045

## Notice of Treatment

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

**Address:** 13011A Ave

**City:** Lake City **Phone:** 7521703

**Site Location:** Subdivision Emerald Lakes

**Lot #** 113 **Block#**  **Permit #** 24566

**Address** 355 NW 200th DR

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
---------------------	--------------------------	------------------------

<input type="checkbox"/> Premise	Imidacloprid	0.1%
----------------------------------	--------------	------

<input type="checkbox"/> Termidor	Fipronil	0.12%
-----------------------------------	----------	-------

<input checked="" type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%
---	----------------------------------	-------

**Type treatment:**

☐ Soil

☒ Wood

**Area Treated**

**Square feet**

**Linear feet**

**Gallons Applied**

<u>Driveway</u>	<u>2767</u>	<u>200</u>	<u>4</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></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 \_\_\_\_\_.

<u>7-27-06</u>	<u>0730</u>	<u>F254</u>
Date	Time	Print Technician's Name

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

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



# CHRYSLER FINANCIAL CORP.

## 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 28-3S-16-02372-413

Building permit No. 000024566

Use Classification SFD, UTILITY

Fire: 67.00

Permit Holder DON REED

Waste: 201.00

Owner of Building EARNEST & PATTY LOSSOW

Total: 268.00

Location: 355 NW ZACK DRIVE, EMERALD LAKES, LOT 113

Date: 10/24/2006

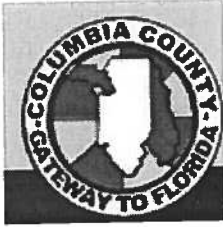
*Stacy Dicks*

Building Inspector



POST IN A CONSPICUOUS PLACE  
(Business Places Only)





From: The Columbia County Building & Zoning Department  
Plan Review  
135 NE Hernando Av.  
P.O. Box 1529  
Lake City Florida 32056-1529

Reference to a building permit application Number: **0605-63**

Contractor: Don Reed Construction Owner Earnest & Patty Lossow lot 113  
Emerald Lakes Subdivision

On the date of May 22, 2006 application 0605-63 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0605-63 when making reference to this application.**

**To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.**

1. In the Garage area the FRC-2004 sections R309.1 Opening protection:  
  
Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8

inches (35 m

than 13/8 in

2. In the garag

R309.1.1 Du

walls or ceil

constructed

approved m

3. In the garag

Separation

and its attic

to the garag

from all hab

X gypsum b

assembly, th

by not less

4. The attic a

ceiling shall

Separation

equipped w

solid or ho

20-minute f

5. The electri

the electric