DATE 06/09/2004

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000021952

APPLICANT LAMAR DUPREE PHONE 754-5678

ADDRESS PO BOX 2861 LAKE CITY FL 32056

OWNER PHOENIX LAND DEVELOPMENT PHONE 754-2171

ADDRESS 257 SW RED MAPLE WAY LAKE CITY FL 32024

CONTRACTOR JL DUPREE PHONE 754-5678

LOCATION OF PROPERTY 90 WEST, L 252, L SW RED MAPLE WAY, 2ND ON RIGHT PAST SW BIRCH GLEN

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 102400.00

HEATED FLOOR AREA 2048.00 TOTAL AREA 2818.00 HEIGHT 25.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 03-4S-16-02732-114 SUBDIVISION LAUREL LAKES

LOT 14 BLOCK PHASE UNIT TOTAL ACRES .53

000000327	N	CGC060631	J. L. Dupree	
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
PERMIT	X04-0126	BK	HD	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 1395

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 $ 515.00 CERTIFICATION FEE $ 14.09 SURCHARGE FEE $ 14.09

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

FLOOD ZONE DEVELOPMENT FEE $ _____ CULVERT FEE $ 25.00 **TOTAL FEE** 618.18

INSPECTORS OFFICE L. Hudson CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County
Building Permit Application

~~C~~ 21952 5/21/04
327/

Date May 21, 2004 Application No. 0405-67

Applicants Name & Address J.L DuPree Construction Services, Inc. Phone 386-754-5678
P.O Box 2861 Lake City, Florida

Owners Name & Address Phoenix Land Development & Property Management Phone 386-754-2171
P.O Box 2187 Lake City, Florida

Fee Simple Owners Name & Address 257 SW Red Maple Way 32024 Phone

Contractors Name & Address J.L Dupree Construction Services, Inc. Phone 386-754-5678
P.O. Box 2861 Lake City Florida

Legal Description of Property See attached

Location of Property Laural Lake Lot 14

Tax Parcel Identification No. 03-4S-16-02732-114 Estimated Cost of Construction $ 105,000.00

Type of Development Single Family Dwelling Number of Existing Dwellings on Property

Comprehensive Plan Map Category RES. Low DEN. Zoning Map Category RSF-2

Building Height 25ft Number of Stories 1 Floor Area 2049 Total Acreage in Development

Distance From Property Lines (Set Backs) Front 31 Side 11 21/29 Rear 89 145 Street 38'

Flood Zone X per plat Certification Date Development Permit N/A

Bonding Company Name & Address

Architect/Engineer Name & Address Freeman Design Group 386-758-4209

Mortgage Lenders Name & Address

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

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

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

Owner or Agent (including contractor)

Jamie DuPree
Contractor

CGC060631
Contractor License Number

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this _____ day of _____ by _____

Personally Known _____ OR Produced Identification

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this 21st day of May 04 by
Shannon M. Regar

Personally Known ✓ OR Produced Identification

Shannon M Regar
My Commission CC972541
Expires October 03, 2004

03-4S-16-02732-114

LOT 14 LAUREL LAKE S/D.
ORB 976-489.

PHOENIX LAND DEVELOPMENT &
PROPERTY MANAGEMENT INC
RT 17 BOX 1000-5
LAKE CITY FL 32055

03-4S-16-02732-114 Columbia Cou

PRINTED 3/15/2004 9:09
APPR 3/19/2003 DF

USE		AE?	HTD AREA	.000 INDEX	3416.00 NBHD	PROP USE	000
MOD	BATH		EFF AREA	E-RATE	.000 INDX	STR 3- 4S- 16	
EXW	FIXT		RCN		AYB	MKT AREA 01	
%	BDRM		%GOOD	BLDG VAL	EYB	(PUD1	
RSTR	RMS					AC	
RCVR	UNTS		FIELD CK:			NTCD	
%	C-W%		LOC: LOT 14 LAUREL LAKE S/D			APPR CD	
INT	HGHT					CNDO	
%	PMTR					SUBD	
FLR	STYS					BLK	
%	ECON					LOT	
HTTP	FUNC					MAP# 45-A	
A/C	SPCD						
QUAL	DEPR					TXDT 002	
FNDN	UD-1						
SIZE	UD-2					BLDG TRA	
CEIL	UD-3						
ARCH	UD-4						
FRME	UD-5						
KTCH	UD-6						
WNDO	UD-7						
CLAS	UD-8						
OCC	UD-9						
COND	%					PERMIT	
SUB A-AREA % E-AREA SUB VALUE						NUMBER DESC	
						SALE	
						BOOK PAGE DATE	
						976 489 2/27/200	
						GRANTOR CLYDE B MUSGROVI	
						GRANTEE PHOENIX LAND DE	
TOTAL						GRANTOR	
						GRANTEE	

EXTRA FEATURES

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %

FIELD CK:

AE	LAND CODE	DESC	ZONE	TOPO	ROAD	UTIL	UD1	UD2	UD3	UD4	FRONT	BACK	DEPTH	DT	ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT PI
Y	000000	VAC RES	RSF-2	0002	0009	0003									1.00 1.00 1.00 1.00	1.000	LT	17500.000	17500.

L001 - .53 AC
2004

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**The Aspen Model**	Builder:	**Jody Dupree**
Address:	**Lot: 14, Sub: Loral Lakes, Plat:**	Permitting Office:	Columbia County
City, State:	**Lake City, FL 32055-**	Permit Number:	21952
Owner:	**Jody Dupree**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		2048 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	201.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 201.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 837.0 ft²	
b. Frame, Wood, Exterior		R=13.0, 800.0 ft²	
c. Frame, Wood, Exterior		R=13.0, 336.0 ft²	
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2048.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 62.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 6.80	
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: 0.10

Total as-built points: 31604
Total base points: 34552

PASS

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

PREPARED BY: William H. Freeman

DATE: 5/17/04

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Loral Lakes, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2048.0	20.04	7387.5	Double, Clear	E	2.0	4.0	4.0	42.06	0.73	122.1	
				Double, Clear	E	2.0	8.0	20.0	42.06	0.91	767.9	
				Double, Clear	E	2.0	8.0	10.0	42.06	0.91	383.9	
				Double, Clear	E	2.0	8.0	45.0	42.06	0.91	1727.7	
				Double, Clear	S	2.0	7.0	16.0	35.87	0.82	470.7	
				Double, Clear	N	2.0	8.0	30.0	19.20	0.94	540.7	
				Double, Clear	N	2.0	4.0	4.0	19.20	0.83	63.8	
				Double, Clear	W	1.0	8.1	15.0	38.52	0.99	573.5	
				Double, Clear	W	1.0	11.0	42.0	38.52	1.00	1611.2	
				Double, Clear	W	1.0	7.0	15.0	38.52	0.98	567.8	
				As-Built Total:				**201.0**			**6829.2**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	837.0	1.50	1255.5
Exterior	1973.0	1.70	3354.1	Frame, Wood, Exterior	13.0	800.0	1.50	1200.0
				Frame, Wood, Exterior	13.0	336.0	1.50	504.0
Base Total:	**1973.0**		**3354.1**	**As-Built Total:**		**1973.0**		**2959.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	17.8	2.40	42.7	Exterior Insulated	35.6	4.10	145.8
Exterior	102.3	6.10	623.8	Exterior Insulated	66.7	4.10	273.5
				Adjacent Insulated	17.8	1.60	28.4
Base Total:	**120.0**		**666.5**	**As-Built Total:**	**120.0**		**447.7**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2048.0	1.73	3543.0	Under Attic	30.0	2048.0	1.73 X 1.00	3543.0
Base Total:	**2048.0**		**3543.0**	**As-Built Total:**		**2048.0**		**3543.0**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	201.0(p)	-37.0	-7437.0	Slab-On-Grade Edge Insulation	0.0	201.0(p	-41.20	-8281.2
Raised	0.0	0.00	0.0					
Base Total:			**-7437.0**	**As-Built Total:**		**201.0**		**-8281.2**

INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points
	2048.0	10.21	20910.1		2048.0	10.21	20910.1

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Loral Lakes, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE			AS-BUILT						
Summer Base Points:		**28424.2**	**Summer As-Built Points:**						**26408.3**
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
28424.2	**0.4266**	**12125.8**	26408.3 **26408.3**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.341 **0.341**	1.000 **1.000**	10254.4 **10254.4**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Loral Lakes, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2048.0	12.74	4696.5	Double, Clear	E	2.0	4.0	4.0	18.79	1.12	84.2
				Double, Clear	E	2.0	8.0	20.0	18.79	1.04	389.2
				Double, Clear	E	2.0	8.0	10.0	18.79	1.04	194.6
				Double, Clear	E	2.0	8.0	45.0	18.79	1.04	875.7
				Double, Clear	S	2.0	7.0	16.0	13.30	1.17	249.1
				Double, Clear	N	2.0	8.0	30.0	24.58	1.00	739.1
				Double, Clear	N	2.0	4.0	4.0	24.58	1.01	99.2
				Double, Clear	W	1.0	8.1	15.0	20.73	1.00	311.6
				Double, Clear	W	1.0	11.0	42.0	20.73	1.00	871.8
				Double, Clear	W	1.0	7.0	15.0	20.73	1.00	312.4
				As-Built Total:				**201.0**			**4126.9**

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	837.0	3.40	2845.8
Exterior	1973.0	3.70	7300.1	Frame, Wood, Exterior	13.0	800.0	3.40	2720.0
				Frame, Wood, Exterior	13.0	336.0	3.40	1142.4
Base Total:	**1973.0**		**7300.1**	**As-Built Total:**		**1973.0**		**6708.2**

DOOR TYPES	Area X	BWPM =	Points	Type	Area X	WPM =	Points
Adjacent	17.8	11.50	204.5	Exterior Insulated	35.6	8.40	298.7
Exterior	102.3	12.30	1257.8	Exterior Insulated	66.7	8.40	560.3
				Adjacent Insulated	17.8	8.00	142.2
Base Total:	**120.0**		**1462.3**	**As-Built Total:**	**120.0**		**1001.2**

CEILING TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	2048.0	2.05	4198.4	Under Attic	30.0	2048.0	2.05 X 1.00	4198.4
Base Total:	**2048.0**		**4198.4**	**As-Built Total:**		**2048.0**		**4198.4**

FLOOR TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM =	Points
Slab	201.0(p)	8.9	1788.9	Slab-On-Grade Edge Insulation	0.0	201.0(p	18.80	3778.8
Raised	0.0	0.00	0.0					
Base Total:			**1788.9**	**As-Built Total:**		**201.0**		**3778.8**

INFILTRATION	Area X	BWPM =	Points		Area X	WPM =	Points
	2048.0	-0.59	-1208.3		2048.0	-0.59	-1208.3

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Loral Lakes, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**18237.8**	**Winter As-Built Points:**						**18605.2**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
18237.8	**0.6274**	**11442.4**	18605.2 **18605.2**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.501 **0.501**	1.000 **1.000**	10843.2 **10843.2**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Loral Lakes, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4		2746.00	10984.0	50.0	0.92	4		1.00	2626.61	1.00	10506.4
				As-Built Total:							**10506.4**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
12126	**11442**	**10984**	**34552**	**10254**	**10843**	**10506**	**31604**

PASS

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.7

The higher the score, the more efficient the home.

Jody Dupree, Lot: 14, Sub: Loral Lakes, Plat: , Lake City, FL, 32055-

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		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		2048 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	201.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 201.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 837.0 ft²	
b. Frame, Wood, Exterior		R=13.0, 800.0 ft²	
c. Frame, Wood, Exterior		R=13.0, 336.0 ft²	
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2048.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 62.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 6.80	
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)		

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-7424.*

EnergyGauge® (Version: FLRCPB v3.30)

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Loral Lakes, Plat: , Lake City, FL, 32055-** 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.	

Residential System Sizing Calculation

Summary

Jody Dupree

Lake City, FL 32055-

Project Title:
The Aspen Model

Code Only
Professional Version
Climate: North

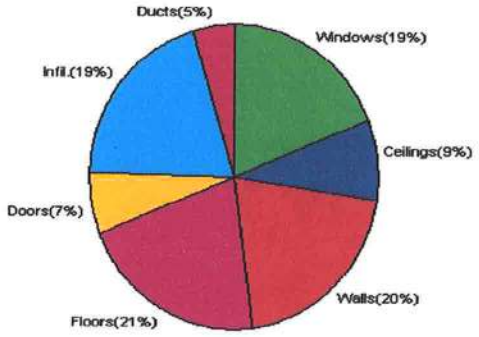
5/17/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**30166**	**Btuh**	**Total cooling load calculation**	**28463**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.3	36000	Sensible (SHR = 0.5)	80.1	18000
Heat Pump + Auxiliary(0.0kW)	119.3	36000	Latent	300.4	18000
			Total (Electric Heat Pump)	126.5	36000

WINTER CALCULATIONS

Winter Heating Load (for 2048 sqft)

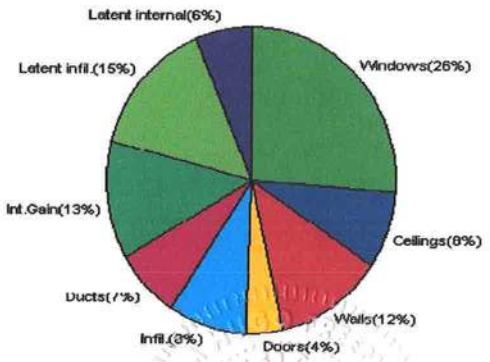
Load component			Load	
Window total	201	sqft	5688	Btuh
Wall total	1973	sqft	6116	Btuh
Door total	120	sqft	2042	Btuh
Ceiling total	2048	sqft	2662	Btuh
Floor total	201	ft	6352	Btuh
Infiltration	137	cfm	5869	Btuh
Subtotal			**28729**	**Btuh**
Duct loss			1436	Btuh
TOTAL HEAT LOSS			**30166**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2048 sqft)

Load component			Load	
Window total	201	sqft	7515	Btuh
Wall total	1973	sqft	3433	Btuh
Door total	120	sqft	1217	Btuh
Ceiling total	2048	sqft	2294	Btuh
Floor total			0	Btuh
Infiltration	120	cfm	2370	Btuh
Internal gain			3600	Btuh
Subtotal(sensible)			**20429**	**Btuh**
Duct gain			2043	Btuh
Total sensible gain			**22472**	**Btuh**
Latent gain(infiltration)			4151	Btuh
Latent gain(internal)			1840	Btuh
Total latent gain			**5991**	**Btuh**
TOTAL HEAT GAIN			**28463**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: Willa H Price

DATE: 5/17/04

System Sizing Calculations - Winter

Residential Load - Component Details

Jody Dupree

Lake City, FL 32055-

Project Title:
The Aspen Model

Code Only
Professional Version
Climate: North

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

5/17/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	4.0	28.3	113 Btuh
2	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
3	2, Clear, Metal, DEF	N	10.0	28.3	283 Btuh
4	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
5	2, Clear, Metal, DEF	E	16.0	28.3	453 Btuh
6	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
7	2, Clear, Metal, DEF	W	4.0	28.3	113 Btuh
8	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
9	2, Clear, Metal, DEF	S	42.0	28.3	1189 Btuh
10	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
	Window Total		201		5688 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	837	3.1	2595 Btuh
2	Frame - Exterior	13.0	800	3.1	2480 Btuh
3	Frame - Exterior	13.0	336	3.1	1042 Btuh
	Wall Total		1973		6116 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		36	18.3	652 Btuh
2	Insulated - Exter		67	18.3	1223 Btuh
3	Insulated - Adjac		18	9.4	167 Btuh
	Door Total		120		2042Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2048	1.3	2662 Btuh
	Ceiling Total		2048		2662Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	201.0 ft(p)	31.6	6352 Btuh
	Floor Total		201		6352 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	20480(sqft)	137	5869 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			137	5869 Btuh

Totals for Heating	**Subtotal**	**28729 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1436 Btuh**
	Total Btuh Loss	**30166 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jody Dupree

Lake City, FL 32055-

Project Title:
The Aspen Model

Code Only
Professional Version
Climate: North

5/17/2004

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

Jody Dupree

Lake City, FL 32055-

Project Title:
The Aspen Model

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 5/17/2004

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, DEF, N, N	N	2	4	4.0	0.0	4.0	22	22	88 Btuh
2	2, Clear, DEF, N, N	N	2	8	20.0	0.0	20.0	22	22	440 Btuh
3	2, Clear, DEF, N, N	N	2	8	10.0	0.0	10.0	22	22	220 Btuh
4	2, Clear, DEF, N, N	N	2	8	45.0	0.0	45.0	22	22	990 Btuh
5	2, Clear, DEF, N, N	E	2	7	16.0	0.0	16.0	22	72	1152 Btuh
6	2, Clear, DEF, N, N	W	2	8	30.0	0.0	30.0	22	72	2160 Btuh
7	2, Clear, DEF, N, N	W	2	4	4.0	0.0	4.0	22	72	288 Btuh
8	2, Clear, DEF, N, N	S	1	8.08	15.0	8.2	6.8	22	37	431 Btuh
9	2, Clear, DEF, N, N	S	1	11	42.0	11.8	30.2	22	37	1377 Btuh
10	2, Clear, DEF, N, N	S	1	7	15.0	12.4	2.6	22	37	368 Btuh
	Window Total				201					7515 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	13.0	837.0	1.7	1456 Btuh
2	Frame - Exterior	13.0	800.0	1.7	1392 Btuh
3	Frame - Exterior	13.0	336.0	1.7	585 Btuh
	Wall Total		1973.0		3433 Btuh

Doors	Type	Area	HTM	Load
1	Insulated - Exter	35.6	10.1	361 Btuh
2	Insulated - Exter	66.7	10.1	676 Btuh
3	Insulated - Adjac	17.8	10.1	180 Btuh
	Door Total	120.0		1217 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Light	30.0	2048.0	1.1	2294 Btuh
	Ceiling Total		2048.0		2294 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	201.0 ft(p)	0.0	0 Btuh
	Floor Total		201.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	20480	119.7	2370 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			120	2370 Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load
		8	X	300	+	1200	3600 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jody Dupree

Lake City, FL 32055-

Project Title:
The Aspen Model

Code Only
Professional Version
Climate: North

5/17/2004

Totals for Cooling	**Subtotal**	**20429**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**2043**	**Btuh**
	Total sensible gain	**22472**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**4151**	**Btuh**
	Latent occupant gain (8 people @ 230 Btuh per person)	**1840**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**28463**	**Btuh**

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

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS; Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☑	☐	**Elevations including:**
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation
☑	☐	d) Location, size and height above roof of chimneys
☑	☐	e) Location and size of skylights
☑	☐	f) Building height
☑	☐	e) Number of stories

Floor Plan Including:

- ☑ ☐ a) Rooms labeled and dimensioned
- ☑ ☐ b) Shear walls
- ☑ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☑ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☑ ☐ f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan Including:

- ☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☑ ☐ b) All posts and/or column footing including size and reinforcing
- ☐ ☐ c) Any special support required by soil analysis such as piling
- ☐ ☐ d) Location of any vertical steel

Roof System:

- ☑ ☐ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☐ ☐ b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections Including:

- ☑ ☐ a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termicide or alternative method)
  10. Slab on grade
      a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity
      c. Crawl space (if applicable)

☐ ☐ **b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
    a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

HVAC Information

☐ ☐ a) Manual J sizing equipment or equivalent computation

☐ ☐ b) Exhaust fans in bathroom

☐ ☐ **Energy Calculations** (dimensions shall match plans)

☐ ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☐ **Private Potable Water**

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

Project Summary
Entire House
Glenn I. Jones,Inc.

Job:
Date: May 24, 2004
By: gij jr

552 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: gjgijinc@bellsouth.net Web: glennijonesinc.com

Project Information

For: Laurel Lake Lot 14

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	32468 Btuh
Ducts	1623 cfm
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	34091 Btuh

Sensible Cooling Equipment Load Sizing

Structure	21792 Btuh
Ducts	1981 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	21138 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2036	2036
Volume (ft³)	22365	22365
Air changes/hour	0.80	0.40
Equiv. AVF (cfm)	298	149

Latent Cooling Equipment Load Sizing

Structure	5227 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	5227 Btuh
Equipment total load	26365 Btuh
Req. total capacity at 0.70 SHR	2.5 ton

Heating Equipment Summary

Make	Carrier
Trade	WeatherMate 38YCC
Model	38YCC03630/32
Efficiency	7.2 HSPF
Heating input	
Heating output	35000 Btuh @ 47°F
Temperature rise	28 °F
Actual air flow	1140 cfm
Air flow factor	0.033 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Carrier
Trade	WeatherMate 38YCC
Cond	38YCC03630/32
Coil	F(A,B)4AN(F,C)036
Efficiency	10 SEER
Sensible cooling	23940 Btuh
Latent cooling	10260 Btuh
Total cooling	34200 Btuh
Actual air flow	1140 cfm
Air flow factor	0.052 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.81

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Laurel Lake Lot 14**	Builder:	**JL DuPree Construction**
Address:		Permitting Office:	
City, State:	**Lake City, FL**	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2036 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	221.6 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 203.3(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=11.0, 1856.2 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2035.5 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 50.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 48.9 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 48.9 kBtu/hr	
	HSPF: 7.20	
b. N/A		
c. N/A		
14. Hot water systems		
a. N/A		
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.11

Total as-built points: 25100
Total base points: 25419

PASS

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

PREPARED BY: _____

DATE: _____

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: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	**2036.0**	**20.04**	**7344.3**	Double, Clear	SE	2.0	6.0	15.0	42.75	0.81	516.7	
				Double, Clear	NE	2.0	2.0	4.0	29.56	0.59	69.2	
				Double, Clear	NE	2.0	6.0	30.0	29.56	0.87	767.5	
				Double, Clear	NW	2.0	2.0	4.0	25.97	0.64	66.3	
				Double, Clear	SE	2.0	8.1	42.6	42.75	0.88	1608.8	
				Double, Clear	SW	2.0	5.0	16.0	40.16	0.75	480.1	
				Double, Clear	NW	7.0	6.0	35.0	25.97	0.61	553.0	
				Double, Clear	N	7.0	6.0	10.0	19.20	0.68	131.4	
				Double, Clear	NE	2.0	8.0	35.0	29.56	0.92	952.3	
				Double, Clear	NW	2.0	6.0	30.0	25.97	0.88	682.7	
				As-Built Total:				**221.6**			**5828.1**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0	1856.2	1.70	3155.5
Exterior	1856.2	1.70	3155.5					
Base Total:	**1856.2**		**3155.5**	**As-Built Total:**		**1856.2**		**3155.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Wood	77.0	6.10	469.7
Exterior	77.0	6.10	469.7				
Base Total:	**77.0**		**469.7**	**As-Built Total:**	**77.0**		**469.7**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2035.5	1.73	3521.4	Under Attic	30.0	2035.5	1.73 X 1.00	3521.4
Base Total:	**2035.5**		**3521.4**	**As-Built Total:**		**2035.5**		**3521.4**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	203.3(p)	-37.0	-7522.1	Slab-On-Grade Edge Insulation	0.0	203.3(p	-41.20	-8376.0
Raised	0.0	0.00	0.0					
Base Total:			**-7522.1**	**As-Built Total:**		**203.3**		**-8376.0**

INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points
	2036.0	10.21	20787.6		2036.0	10.21	20787.6

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,**	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**27756.4**	**Summer As-Built Points:**						**25386.3**
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
27756.4	**0.4266**		**11840.9**	25386.3 **25386.3**	1.000 **1.00**	(1.090 x 1.147 x 1.00) **1.250**	0.341 **0.341**	1.000 **1.000**		10832.4 **10832.4**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	**2036.0**	**12.74**	**4669.0**	Double, Clear	SE	2.0	6.0	15.0	14.71	1.17	258.5
				Double, Clear	NE	2.0	2.0	4.0	23.57	1.04	98.4
				Double, Clear	NE	2.0	6.0	30.0	23.57	1.01	715.8
				Double, Clear	NW	2.0	2.0	4.0	24.30	1.02	99.6
				Double, Clear	SE	2.0	8.1	42.6	14.71	1.10	686.8
				Double, Clear	SW	2.0	5.0	16.0	16.74	1.16	311.3
				Double, Clear	NW	7.0	6.0	35.0	24.30	1.03	873.6
				Double, Clear	N	7.0	6.0	10.0	24.58	1.02	250.8
				Double, Clear	NE	2.0	8.0	35.0	23.57	1.01	830.1
				Double, Clear	NW	2.0	6.0	30.0	24.30	1.01	733.6
				As-Built Total:				**221.6**			**4858.6**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0	1856.2	3.70	6867.9
Exterior	1856.2	3.70	6867.9					
Base Total:	**1856.2**		**6867.9**	**As-Built Total:**		**1856.2**		**6867.9**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Wood	77.0	12.30	947.1
Exterior	77.0	12.30	947.1				
Base Total:	**77.0**		**947.1**	**As-Built Total:**	**77.0**		**947.1**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	2035.5	2.05	4172.8	Under Attic	30.0	2035.5	2.05 X	1.00	4172.8
Base Total:	**2035.5**		**4172.8**	**As-Built Total:**		**2035.5**			**4172.8**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	203.3(p)	8.9	1809.4	Slab-On-Grade Edge Insulation	0.0	203.3(p	18.80	3822.0
Raised	0.0	0.00	0.0					
Base Total:			**1809.4**	**As-Built Total:**		**203.3**		**3822.0**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	2036.0	-0.59	-1201.2		2036.0	-0.59	-1201.2

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,**	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**17264.9**	**Winter As-Built Points:**					**19467.2**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
17264.9	**0.6274**	**10832.0**	19467.2 **19467.2**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.474 **0.474**	1.000 **1.000**	11521.7 **11521.7**

FORM 600A-2001

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 Ratio	X Multiplier	X Credit Multiplier	= Total
1		2746.00	2746.0			1	1.00	2746.00	1.00	2746.0
				As-Built Total:						**2746.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
11841	**10832**	**2746**	**25419**	**10832**	**11522**	**2746**	**25100**

PASS

FORM 600A-2001

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* = 82.9

The higher the score, the more efficient the home.

, , Lake City, FL,

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		1	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2036 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	221.6 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 203.3(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=11.0, 1856.2 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2035.5 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 50.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 48.9 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 48.9 kBtu/hr	
	HSPF: 7.20	
b. N/A		
c. N/A		
14. Hot water systems		
a. N/A		
b. N/A		
c. Conservation credits		
(HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits		
(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

EnergyGauge® (Version: FLRCSB v3.30)

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000327

DATE 06/09/2004 PARCEL ID # 03-4S-16-02732-114

APPLICANT LAMAR DUPREE PHONE 754-5678

ADDRESS PO BOX 2861 LAKE CITY FL 32056

OWNER PHOENIX LAND DEVELOPMENT PHONE 754-2171

ADDRESS 257 SW RED MAPLE WAY LAKE CITY FL 32024

CONTRACTOR JL DUPREE PHONE 754-5678

LOCATION OF PROPERTY 90 WEST, L 252, L SW RED MAPLE WAY, 2ND ON R PAST SW BIRCH GLEN

SUBDIVISION/LOT/BLOCK/PHASE/UNIT LAUREL LAKES 14

SIGNATURE

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 10931

Address 536 SE Bayshore Ave

City Lake City **Phone** 752-1703

Site Location **Subdivision** Laurel Lakes

Lot# 14 **Block#** _____ **Permit#** 21952

Address 257 SW Red Maple Way

AREAS TREATED 03-4S-16-02732-114

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	6/29/04	0715	412	Gumpy F254
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron				
Out Building				
Tub Trap/s				
(Other)				

Name of Product Applied DURSBAN TC .25 %

Remarks Exterior not to grade

Applicator - White • Permit File - Canary • Permit Holder - Pink

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 03-4S-16-02732-114 **Building permit No.** 000021952

Use Classification SFD,UTILITY **Fire:** 34.02

Permit Holder JL DUPREE **Waste:** 73.50

Owner of Building PHOENIX LAND DEVELOPMENT **Total:** 107.52

Location: 257 SW RED MAPLE WAY, LAKE CITY, FL

Date: 03/10/2005

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)