DATE 08/23/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000023524

APPLICANT KENNY TOWNSEND PHONE 397-3495

ADDRESS 545 SE HUGO LANE LAKE CITY FL 32025

OWNER JOHN & SHIRLEY PRIMAVERE PHONE

ADDRESS 143 SE TRISTIN LANE LAKE CITY FL 32025

CONTRACTOR MIKE HERLONG PHONE 752-4071

LOCATION OF PROPERTY EAST BAYA AVE, L INTO EASTSIDE VILLAGE, L ON TRISTIN LN, THE 7TH LOT ON THE LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 60600.00

HEATED FLOOR AREA 1212.00 TOTAL AREA 1642.00 HEIGHT 18.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB

LAND USE & ZONING RMF-1 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 5.00

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

PARCEL ID 34-3S-17-07018-194 SUBDIVISION EASTSIDE VILLAGE

LOT 94 BLOCK PHASE UNIT 1 TOTAL ACRES

		RB0029433	✓ Kenny Townsend
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
PRIVATE ROAD	X05-0217	BK	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance / New Resident

COMMENTS: NOC ON FILE

FLOOR 1 FOOT ABOVE THE ROAD

SDE SETBACK VARIENCE TO 5' Check # or Cash 1355

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 $ 305.00 CERTIFICATION FEE $ 8.21 SURCHARGE FEE $ 8.21

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

FLOOD ZONE DEVELOPMENT FEE $ CULVERT FEE $ **TOTAL FEE** 371.42

INSPECTORS OFFICE L. Herlong 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

Office Use Only Application # 0508-36 Date Received 8/8/05 By CF Permit # 23524

Application Approved by - Zoning Official BLK Date 22.0805 Plans Examiner OK TH Date 8-11-05

Flood Zone X Development Permit N/A Zoning RMF-1 Land Use Plan Map Category RES Med. Den

Comments Subdivision has Variance in Side Setback requirements

FPV

Applicants Name Kenny Townsend Phone 397-3495

Address 545 SE Hugo Lane L.C.

Owners Name John & Shirley Primavere Phone

911 Address 143 SE Tristin Lane Lake City, FL 32025

Contractors Name Columbia Home Builders Phone 752-4071

Address 545 SE Hugo Lane

Fee Simple Owner Name & Address (Same)

Bonding Co. Name & Address

Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address None

Property ID Number 34-35-17-07018-194 Estimated Cost of Construction 95,000.00

Subdivision Name Eastside Village Lot 94 Block ___ Unit 1 Phase ___

Driving Directions Baya East to Village - Turn 2nd St. Left - (7th) Turn Left - TRISTAN LANE

Type of Construction Frame Number of Existing Dwellings on Property None

Total Acreage ___ Lot Size 50.2 x 100 Do you need a - Culvert Permit or Culvert Waiver or ~~Have an Existing Drive~~ (PRIVATE)

Actual Distance of Structure from Property Lines - Front 30' Side 5'.2" Side 5'.2" Rear 98'

Total Building Height 18' Number of Stories 1 Heated Floor Area 1212 Roof Pitch 5/12

Porches 152 CARAGE 278 TOTAL 1642

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 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.

Kenny Townsend
Owner Builder or Agent (Including Contractor)

Contractor Signature
Contractors License Number RB00 28433
Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

GALE TEDDER
MY COMMISSION # DD 333566
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me
this 8th day of Aug 2005.
Personally known ✓ or Produced Identification ___

NOTARY STAMP/SEAL

Gale Tedder
Notary Signature

PERMIT NO:_____ **TAX FOLIO NO: 34-3S-17-07018-194**

NOTICE OF COMMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance wit chapter 713, Florida Statues, the following information is provided in this Notice of Commencement.

1. **Description of property: Lot #94 of Eastside Village Unit I**

2. **General description of improvements: Construction of dwelling**
3. **Owner information:**
   a. JOHN & SHIRLEY PRIMAVERE of 143 SE Tristin Lane, Lake City, FL 32025
   b. Interest in property: Fee Simple
   c: Name and address of fee simple title holder (if other than Owner):

4. **Contractor: Kenneth R. Townsend, d/b/a Columbia Home Improvements, 935 Hugo Street, Lake City, FL 32025**
5. **Surety**
   a. **Name and address: Allstate Preferred Insurance**
      Home Builders Insurance
      Post Office Box 10
      Live Oak, FL 32064
   b. **Amount of bond: $300,000.00**
6. **Lender: N/A**
7. **Personals within the State of Florida designated by Owner upon whom notices of other documents may be served as provided by section 713.13 (1)7., Florida Statues: None**
8. **In addition to himself, Owner designates N/A to receive a copy of the Lien's Notice as provided in Section 713.13 (1) (b), Florida Statues.**
9. **Expiration date of notice of commencement (the expiration date is 1 year from the date of recording (unless a different date is specified)_____.**

John D Primavere
Shirley A Primavere

The foregoing instrument was acknowledged before me this 23rd day of June

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Kingswood**	Builder:	
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:	**Kenny Townsend**	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		2	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		1212 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	121.0 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, 162.4(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1299.2 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1333.2 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 40.4 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
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)	PT, CF,	

Glass/Floor Area: 0.10

Total as-built points: 15422
Total base points: 19107

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: 1/27/05

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

OWNER/AGENT: _____

DATE: 2-7-05

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

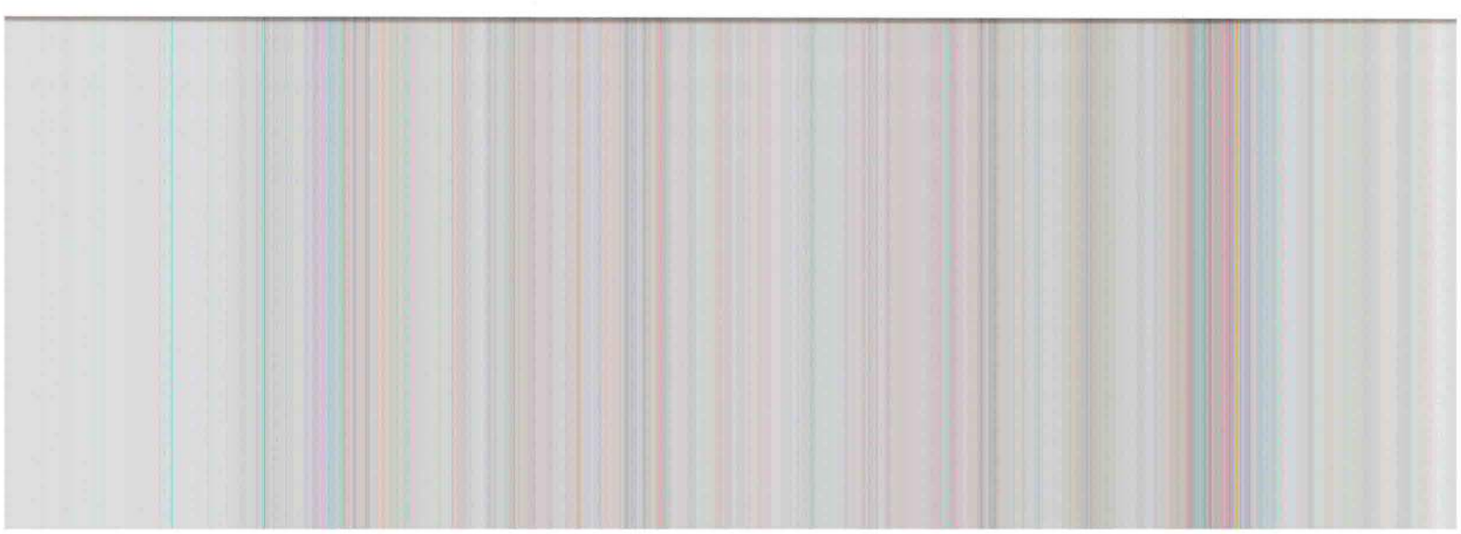
FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	1212.0	20.04	4371.9	Double, Clear	N	1.5	6.0	60.0	19.20	0.94	1081.3	
				Double, Clear	E	1.5	4.0	6.0	42.06	0.82	205.8	
				Double, Clear	S	1.5	6.0	30.0	35.87	0.86	921.2	
				Double, Clear	S	1.5	6.0	25.0	35.87	0.86	767.7	
				As-Built Total:				**121.0**			**2976.1**	
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	1299.2	1.50		1948.8	
Exterior	1299.2	1.70	2208.6									
Base Total:	**1299.2**		**2208.6**	**As-Built Total:**				**1299.2**			**1948.8**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	4.10		167.3	
Exterior	40.8	6.10	248.9									
Base Total:	**40.8**		**248.9**	**As-Built Total:**				**40.8**			**167.3**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1212.0	1.73	2096.8	Under Attic			30.0	1333.2	1.73 X 1.00		2306.4	
Base Total:	**1212.0**		**2096.8**	**As-Built Total:**				**1333.2**			**2306.4**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	162.4(p)	-37.0	-6008.8	Slab-On-Grade Edge Insulation			0.0	162.4(p	-41.20		-6690.9	
Raised	0.0	0.00	0.0									
Base Total:			**-6008.8**	**As-Built Total:**				**162.4**			**-6690.9**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1212.0	10.21	12374.5					1212.0	10.21		12374.5	



FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**15291.9**	**Summer As-Built Points:**						**13082.3**
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	
15291.9		**0.4266**	**6523.5**	13082.3 **13082.3**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.284 **0.284**	0.902 **0.902**	3820.5 **3820.5**	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	1212.0	12.74	2779.4	Double, Clear	N	1.5	6.0	60.0	24.58	1.00	1478.2
				Double, Clear	E	1.5	4.0	6.0	18.79	1.07	121.1
				Double, Clear	S	1.5	6.0	30.0	13.30	1.12	445.8
				Double, Clear	S	1.5	6.0	25.0	13.30	1.12	371.5
				As-Built Total:				**121.0**			**2416.7**
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	1299.2	3.40		4417.3
Exterior	1299.2	3.70	4807.0								
Base Total:	**1299.2**		**4807.0**	**As-Built Total:**				**1299.2**			**4417.3**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	8.40		342.7
Exterior	40.8	12.30	501.8								
Base Total:	**40.8**		**501.8**	**As-Built Total:**				**40.8**			**342.7**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM	=	Points
Under Attic	1212.0	2.05	2484.6	Under Attic			30.0	1333.2	2.05 X 1.00		2733.1
Base Total:	**1212.0**		**2484.6**	**As-Built Total:**				**1333.2**			**2733.1**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points
Slab	162.4(p)	8.9	1445.4	Slab-On-Grade Edge Insulation			0.0	162.4(p	18.80		3053.1
Raised	0.0	0.00	0.0								
Base Total:			**1445.4**	**As-Built Total:**				**162.4**			**3053.1**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points
	1212.0	-0.59	-715.1					1212.0	-0.59		-715.1

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**11303.1**	**Winter As-Built Points:**					**12247.8**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
11303.1	**0.6274**	**7091.6**	12247.8 **12247.8**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.461 **0.461**	0.950 **0.950**	6231.3 **6231.3**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	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	
2		2746.00	5492.0	50.0	0.90	2	1.00	2684.98	1.00	5370.0	
				As-Built Total:						**5370.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
6524	**7092**	**5492**	**19107**	**3820**	**6231**	**5370**	**15422**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.9

The higher the score, the more efficient the home.

Kenny Townsend, , , ,

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		2	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		1212 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	121.0 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, 162.4(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1299.2 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1333.2 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 40.4 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
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)	PT, CF,	

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 850/488-1824.

EnergyGauge® (Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Kenny Townsend

Project Title:
Kingswood

Code Only
Professional Version
Climate: North

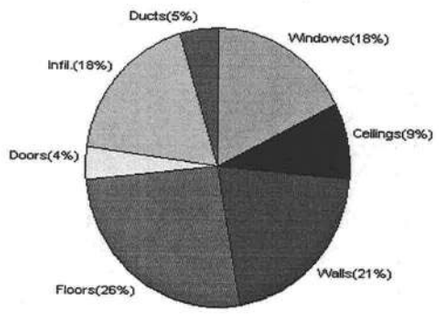
7/27/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**19465**	**Btuh**	**Total cooling load calculation**	**17419**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	123.3	24000	Sensible (SHR = 0.5)	85.5	12000
Heat Pump + Auxiliary(0.0kW)	123.3	24000	Latent	355.4	12000
			Total (Electric Heat Pump)	137.8	24000

WINTER CALCULATIONS

Winter Heating Load (for 1212 sqft)

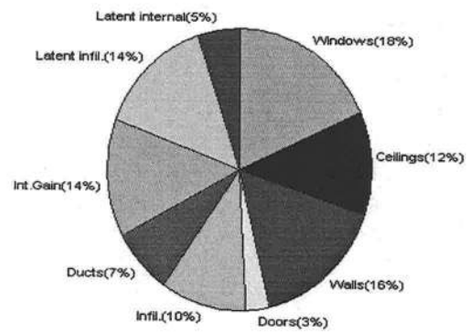
Load component			Load	
Window total	121	sqft	3424	Btuh
Wall total	1299	sqft	4028	Btuh
Door total	41	sqft	748	Btuh
Ceiling total	1333	sqft	1733	Btuh
Floor total	162	ft	5132	Btuh
Infiltration	81	cfm	3473	Btuh
Subtotal			**18538**	**Btuh**
Duct loss			927	Btuh
TOTAL HEAT LOSS			**19465**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1212 sqft)

Load component			Load	
Window total	121	sqft	3204	Btuh
Wall total	1299	sqft	2780	Btuh
Door total	41	sqft	509	Btuh
Ceiling total	1333	sqft	2080	Btuh
Floor total			0	Btuh
Infiltration	71	cfm	1792	Btuh
Internal gain			2400	Btuh
Subtotal(sensible)			**12766**	**Btuh**
Duct gain			1277	Btuh
Total sensible gain			**14042**	**Btuh**
Latent gain(infiltration)			2457	Btuh
Latent gain(internal)			920	Btuh
Total latent gain			**3377**	**Btuh**
TOTAL HEAT GAIN			**17419**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Wilbur H Fraser
DATE: 7/27/05

System Sizing Calculations - Winter

Residential Load - Component Details

Kenny Townsend

Project Title:
Kingswood

Code Only
Professional Version
Climate: North

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

7/27/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
2	2, Clear, Metal, DEF	E	6.0	28.3	170 Btuh
3	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
4	2, Clear, Metal, DEF	S	25.0	28.3	708 Btuh
	Window Total		121		3424 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1299	3.1	4028 Btuh
	Wall Total		1299		4028 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		41	18.3	748 Btuh
	Door Total		41		748Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1333	1.3	1733 Btuh
	Ceiling Total		1333		1733Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	162.4 ft(p)	31.6	5132 Btuh
	Floor Total		162		5132 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	12120(sqft)	81	3473 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			81	3473 Btuh

Totals for Heating	**Subtotal**	**18538 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**927 Btuh**
	Total Btuh Loss	**19465 Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Kenny Townsend

Project Title:
Kingswood

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 7/27/2005

	Type		Overhang		Window Area(sqft)			HTM		Load	
Window	Panes/SHGC/U/InSh/ExSh	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	6	60.0	0.0	60.0	24	24	1440	Btuh
2	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	24	74	444	Btuh
3	2, Clear, DEF, N, N	S	1.5	6	30.0	30.0	0.0	24	39	720	Btuh
4	2, Clear, DEF, N, N	S	1.5	6	25.0	25.0	0.0	24	39	600	Btuh
	Window Total				121					3204	Btuh

	Type	R-Value	Area	HTM	Load	
Walls						
1	Frame - Exterior	13.0	1299.2	2.1	2780	Btuh
	Wall Total		1299.2		2780	Btuh
Doors	Type		Area	HTM	Load	
1	Insulated - Exter		40.8	12.5	509	Btuh
	Door Total		40.8		509	Btuh
Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1333.2	1.6	2080	Btuh
	Ceiling Total		1333.2		2080	Btuh
Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	162.4 ft(p)	0.0	0	Btuh
	Floor Total		162.4		0	Btuh
Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	12120	70.8	1792	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			71	1792	Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	4	X	300	+	1200	2400	Btuh

Totals for Cooling	**Subtotal**	**12766**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1277**	**Btuh**
	Total sensible gain	**14042**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**2457**	**Btuh**
	Latent occupant gain (4 people @ 230 Btuh per person)	**920**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**17419**	**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)

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 34-3S-17-07018-194 Building permit No. 000023524

Use Classification SFD,UTILITY Fire: 53.28

Permit Holder MIKE HERLONG Waste: 110.25

Owner of Building JOHN & SHIRLEY PRIMAVERE Total: 163.53

Location: 143 SE TRISTIN LANE(EASTSIDE VILLAGE,LOT 94)

Date: 01/04/2006

COLUMBIA COUNTY GAINESVILLE FLORIDA

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)