

654.56

For Office Use Only Application # 0605-16 Date Received 4/5/06 By JW Permit # 1091/24565
Application Approved by - Zoning Official BLK Date 07.05.06 Plans Examiner OK JF/T Date 5-15-06
Flood Zone x PER PLAT Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low-Dens.
Comments will take 2 yr

Applicants Name Charles Beeler Phone 623-4448
Address 2054 SW Dairy St. Lake City FL 32024
Owners Name Shirley Nitson 323^{SW} Heathridge DR. Phone 754-4663
911 Address 119 SW Woodleaf St. Lake City, FL 32055
Contractors Name Charles Beeler Const. Phone 623-4448
Address 2054 SW Dairy St. Lake City, FL
Fee Simple Owner Name & Address Shirley Nitson 2218 US Hwy 90 W Lake City, FL 32055
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Mark Dirosway, P.O. Box 868 Lake City, FL 32056
Mortgage Lenders Name & Address First Federal, 4705 US Hwy 90 W Lake City, FL 32055
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 0238-02438-105 (33-354) Estimated Cost of Construction 150,000
Subdivision Name Emerald Cove Lot 5 Block Unit Phase 1
Driving Directions Hwy 90 W Approx 2 miles west of J-75 on left
90 to 5th lot on left.

Type of Construction New Home Number of Existing Dwellings on Property 0
Total Acreage .5 Lot Size .5 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 46.8 ✓ Side 23.4 ✓ Side 19.3 ✓ Rear 95.5 ✓
Total Building Height 24.2 Number of Stories 1 Heated Floor Area 2188 Roof Pitch 8:12
PORCHES 348 GARAGE 420 TOTAL 2956

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.

**STATE OF FLORIDA
COUNTY OF COLUMBIA**

Sworn to (or affirmed) and subscribed before me
this 4th day of May 2006

Personally known or **Produced Identification**

Contractor Signature _____
 MY COMMISSION # DO 333588
 EXPIRES: June 28, 2006
 Competency Card Number _____
 NOTARY STAMP/SEAL

NOTARY STAMP/SEAL

Notary Signature

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Eagle Hitson Properties - Lot 5**
Address: **Lot: 5, Sub: Emerald Cove, Plat:**
City, State: **, FL 32025-**
Owner: **Spec House**
Climate Zone: **North**

Builder: **Peeler**
Permitting Office: **Columbia**
Permit Number: **24565**
Jurisdiction Number: **221000**

1. New construction or existing	New	—	12. Cooling systems		
2. Single family or multi-family	Single family	—	a. Central Unit	Cap: 53.0 kBtu/hr	—
3. Number of units, if multi-family	1	—		SEER: 11.00	—
4. Number of Bedrooms	4	—	b. N/A		—
5. Is this a worst case?	No	—	c. N/A		—
6. Conditioned floor area (ft ²)	2188 ft ²	—	13. Heating systems	Cap: 53.0 kBtu/hr	—
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		—	a. Electric Heat Pump	HSPF: 6.80	—
a. U-factor: Description Area		—	b. N/A		—
(or Single or Double DEFAULT) 7a(Sngle Default) 292.3 ft ²		—	c. N/A		—
b. SHGC:		—	14. Hot water systems		—
(or Clear or Tint DEFAULT) 7b. (Clear) 292.3 ft ²		—	a. Electric Resistance	Cap: 50.0 gallons	—
8. Floor types		—	b. N/A	EF: 0.90	—
a. Slab-On-Grade Edge Insulation	R=0.0, 264.0(p) ft	—	c. N/A		—
b. N/A		—	15. HVAC credits		—
c. N/A		—	(CF-Ceiling fan, CV-Cross ventilation,		—
9. Wall types		—	HF-Whole house fan,		—
a. Frame, Wood, Exterior	R=13.0, 1597.7 ft ²	—	PT-Programmable Thermostat,		—
b. Frame, Wood, Adjacent	R=13.0, 300.0 ft ²	—	MZ-C-Multizone cooling,		—
c. N/A		—	MZ-H-Multizone heating)		—
d. N/A		—			—
e. N/A		—			—
10. Ceiling types		—			—
a. Under Attic	R=30.0, 2300.0 ft ²	—			—
b. N/A		—			—
c. N/A		—			—
11. Ducts(Leak Free)		—			—
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	—			—
b. N/A		—			—

Glass/Floor Area: 0.13

Total as-built points: 32933
Total base points: 33400

PASS

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

PREPARED BY: Will Myers

DATE: 3/23/06

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: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.1)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Emerald Cove, Plat: , , FL, 32025-

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	2188.0	20.04	7892.6	Single, Clear	W	1.5	10.0	45.0	43.84	0.98	1931.2
				Single, Clear	N	4.0	10.0	20.0	21.73	0.87	378.5
				Single, Clear	W	8.5	10.0	20.0	43.84	0.57	496.5
				Single, Clear	NW	10.5	10.0	15.0	29.42	0.63	277.8
				Single, Clear	W	12.5	10.0	40.0	43.84	0.48	838.0
				Single, Clear	N	1.5	8.0	45.0	21.73	0.97	945.8
				Single, Clear	E	1.5	8.0	20.0	47.92	0.96	917.7
				Single, Clear	E	1.5	10.0	50.0	47.92	0.98	2343.9
				Single, Clear	E	8.8	12.0	13.3	47.92	0.60	381.4
				Single, Clear	S	1.5	8.0	9.0	40.81	0.92	339.1
				Single, Clear	S	1.5	8.0	15.0	40.81	0.92	565.2
				As-Built Total:		292.3			9415.1		
WALL TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	300.0	0.70	210.0	Frame, Wood, Exterior	13.0		1597.7		1.50		2396.5
Exterior	1597.7	1.70	2716.1	Frame, Wood, Adjacent	13.0		300.0		0.60		180.0
Base Total:				As-Built Total:		1897.7			2576.5		
DOOR TYPES											
Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	1.60	32.0	Exterior Insulated			20.0		4.10		82.0
Exterior	20.0	4.10	82.0	Adjacent Insulated			20.0		1.60		32.0
Base Total:				As-Built Total:		40.0			114.0		
CEILING TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2188.0	1.73	3785.2	Under Attic	30.0		2300.0		1.73 X 1.00		3979.0
Base Total:				As-Built Total:		2300.0			3979.0		
FLOOR TYPES											
Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	264.0(p)	-37.0	-9768.0	Slab-On-Grade Edge Insulation	0.0		264.0(p)		-41.20		-10876.8
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		264.0			-10876.8		
INFILTRATION											
Area X BSPM = Points						Area X SPM = Points					
2188.0 10.21 22339.5						2188.0 10.21			22339.5		

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

ADDRESS: Lot: 5, Sub: Emerald Cove, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 27289.4				Summer As-Built Points: 27547.3									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Cooling Points
27289.4		0.4266	11641.6	(sys 1: Central Unit 53000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 27547 1.00 (1.09 x 1.000 x 1.00) 0.310 1.000 9316.4 27547.3 1.00 1.090 0.310 1.000 9316.4									

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Emerald Cove, Plat: , FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2188.0	12.74	5017.5	Single, Clear	W	1.5	10.0	45.0	28.84	1.01	1305.2
				Single, Clear	N	4.0	10.0	20.0	33.22	1.01	668.8
				Single, Clear	W	8.5	10.0	20.0	28.84	1.15	663.6
				Single, Clear	NW	10.5	10.0	15.0	32.93	1.03	506.5
				Single, Clear	W	12.5	10.0	40.0	28.84	1.19	1373.6
				Single, Clear	N	1.5	8.0	45.0	33.22	1.00	1496.2
				Single, Clear	E	1.5	8.0	20.0	26.41	1.02	538.7
				Single, Clear	E	1.5	10.0	50.0	26.41	1.01	1337.3
				Single, Clear	E	8.8	12.0	13.3	26.41	1.21	423.8
				Single, Clear	S	1.5	8.0	9.0	20.24	1.04	189.6
				Single, Clear	S	1.5	8.0	15.0	20.24	1.04	316.1
				As-Built Total:		292.3				8819.3	
WALL TYPES Area X BWPM = Points				Type		R-Value		Area X WPM = Points			
Adjacent	300.0	3.60	1080.0	Frame, Wood, Exterior		13.0		1597.7	3.40	5432.2	
Exterior	1597.7	3.70	5911.5	Frame, Wood, Adjacent		13.0		300.0	3.30	990.0	
Base Total: 1897.7 6991.5				As-Built Total:				1897.7	6422.2		
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	20.0	8.00	160.0	Exterior Insulated				20.0	8.40	168.0	
Exterior	20.0	8.40	168.0	Adjacent Insulated				20.0	8.00	160.0	
Base Total: 40.0 328.0				As-Built Total:				40.0	328.0		
CEILING TYPES Area X BWPM = Points				Type		R-Value		Area X WPM X WCM = Points			
Under Attic	2188.0	2.05	4485.4	Under Attic		30.0		2300.0	2.05 X 1.00	4715.0	
Base Total: 2188.0 4485.4				As-Built Total:				2300.0	4715.0		
FLOOR TYPES Area X BWPM = Points				Type		R-Value		Area X WPM = Points			
Slab	264.0(p)	8.9	2349.6	Slab-On-Grade Edge Insulation		0.0		264.0(p)	18.80	4963.2	
Raised	0.0	0.00	0.0								
Base Total: 2349.6				As-Built Total:				264.0	4963.2		
INFILTRATION Area X BWPM = Points								Area X WPM = Points			
2188.0 -0.59 -1290.9								2188.0	-0.59	-1290.9	

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

ADDRESS: Lot: 5, Sub: Emerald Cove, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 17881.1				Winter As-Built Points: 23956.7						
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.069 x 1.000 x 1.00)	X System Multiplier 0.501	X Credit Multiplier 1.000	= Heating Points 12842.5	
17881.1	0.6274	11218.6		23956.7	1.00	1.069	0.501	1.000	12842.5	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 5, Sub: Emerald Cove, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						=
4		2635.00	10540.0	50.0	0.90	4		1.00	2693.56
									1.00
									10774.2
				As-Built Total:					10774.2

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
			=				=
11642		11219	10540	9316		12843	10774
			33400				32933

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 5, Sub: Emerald Cove, Plat: , , FL, 32025-

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 612.1.ABC.3.2. 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.5

The higher the score, the more efficient the home.

Spec House, Lot: 5, Sub: Emerald Cove, Plat: , , FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 53.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2188 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 53.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 292.3 ft ²		HSPF: 6.80
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 292.3 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 264.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1597.7 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 300.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 2300.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ 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.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.1)

Energy Code Compliance

Duct System Performance Report

Project Name: Eagle Hitson Properties - Lot 5 Address: City, State: , FL 32025- Owner: Spec House Climate Zone: North	Builder: Permitting Office: Permit Number: Jurisdiction Number:
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Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) <input type="checkbox"/> Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) <input type="checkbox"/> Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
DATE: _____

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0491N

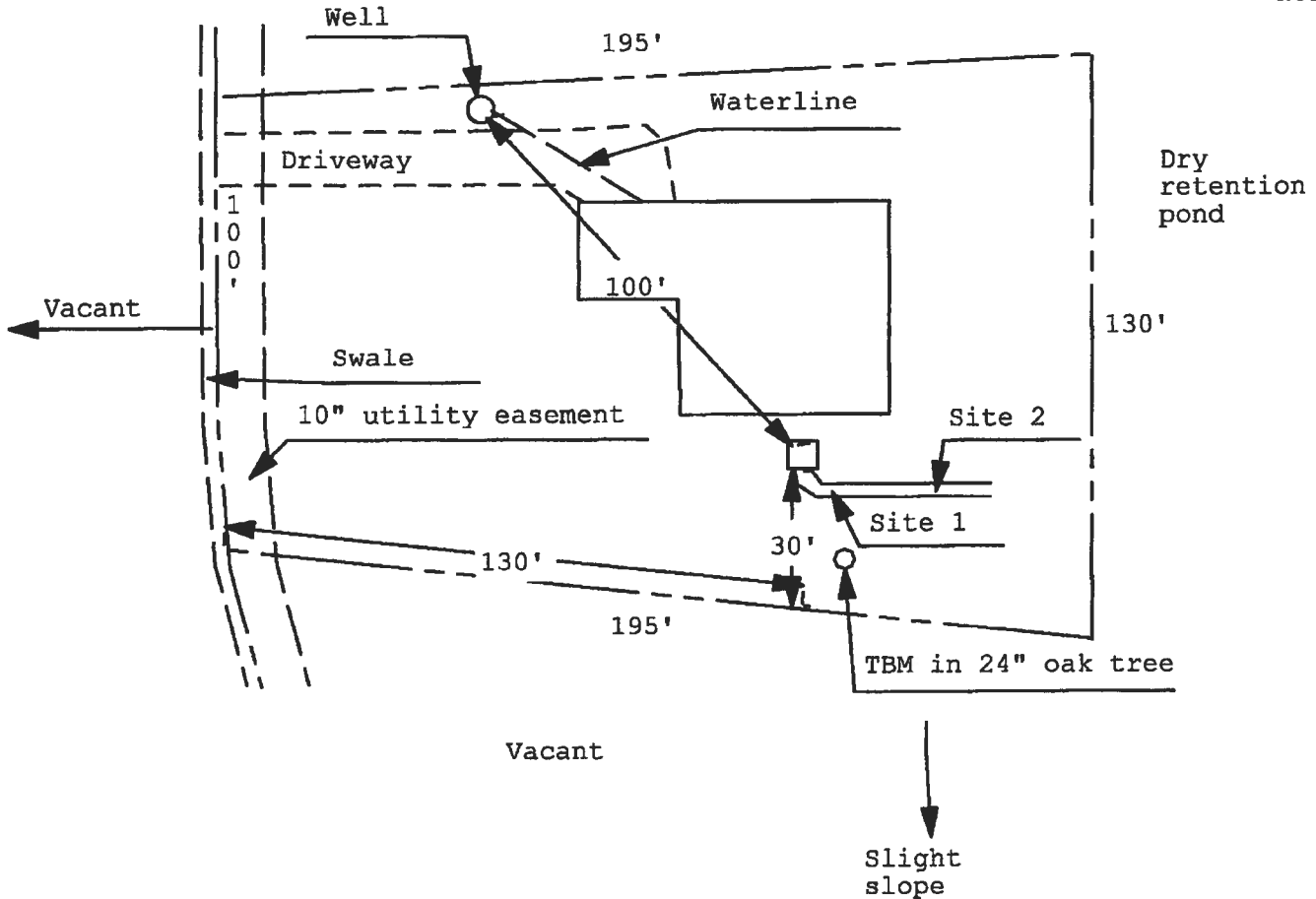
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PEELER/CR 05-3448

Emerald Cove, Lot 5

Vacant

North



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd Date 3/29/06
 Plan Approved X Not Approved Date 5-19-06

By Sallie Gaddy ESI **Columbia CHD** CHU

Notes:

Columbia County Property Appraiser

DB Last Updated: 4/6/2006

2006 Proposed Values

Parcel: 33-3S-16-02438-105

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

<< Prev Search Result: 23 of 27 Next >>

Owner's Name	HITSON SHIRLEY A
Site Address	HEATHRIDGE
Mailing Address	2218 US 90 W SUITE 90 LAKE CITY, FL 32055
Description	LOT 5 EMERALD COVE S/D PHS 1. WD 1068-404. WD 1068-1903. LOT 5 EMERALD COVE S/D PHS 1. WD 1068-404. WD 1068-1903.

Use Desc. (code)	VACANT (000000)
Neighborhood	33316.00
Tax District	3
UD Codes	MKTA01
Market Area	01
Total Land Area	0.500 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$32,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$32,500.00

Just Value	\$32,500.00
Class Value	\$0.00
Assessed Value	\$32,500.00
Exempt Value	\$0.00
Total Taxable Value	\$32,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
12/13/2005	1068/1903	WD	V	Q		\$100,000.00
12/12/2005	1068/404	WD	V	Q		\$35,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.500AC)	1.00/1.00/1.00/1.00	\$32,500.00	\$32,500.00

Columbia County Property Appraiser

DB Last Updated: 4/6/2006

<< Prev

23 of 27

Next >>



2450
GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
cwilliams3@alltel.net

Finish Floor Elevation Certification

Contractor: Charles Peeler Construction

Description: Lot 5, Emerald Cove Subdivision

Parcel ID#: 33-3S-16E-02438-105

Foundation Requirements:

For protection against water damage, the minimum finish floor elevation of the proposed structure shall be 12 inches above the existing ground at any point along the perimeter of the proposed structure. In no case shall the finish floor elevation be more than 12 inches below the centerline of the adjacent roadway.

*Need Elevation
letter from Surveyor*

The ground around the proposed structure shall be graded such as to convey all stormwater runoff away from the proposed structure.

The above elevations are based on the structure's current staked location, approximately +/-100 feet north from the adjacent county road's right of way.

This lot lies within a permitted subdivision with an ERP#04-0250, issued 12-15-2004 by SRWMD, and an established minimum finish floor elevation of 103.0 for Lot 5 was established.

Chadwick W. Williams, P.E.# 51942
July 27, 2006

WILLIAM N. KITCHEN
PROFESSIONAL SURVEYOR AND MAPPER
152 N. MARION AVENUE
LAKE CITY, FLORIDA 32055
PHONE (386) 755-7786 FAX (386) 755-5506
E-MAIL BSSK@BELLSOUTH.NET

TO: WHOM IT MAY IT CONCERN:

CO: PEELER CONSTRUCTION

RE: LOT 5, EMERALD COVE PHASE 1, COLUMBIA COUNTY, FLORIDA

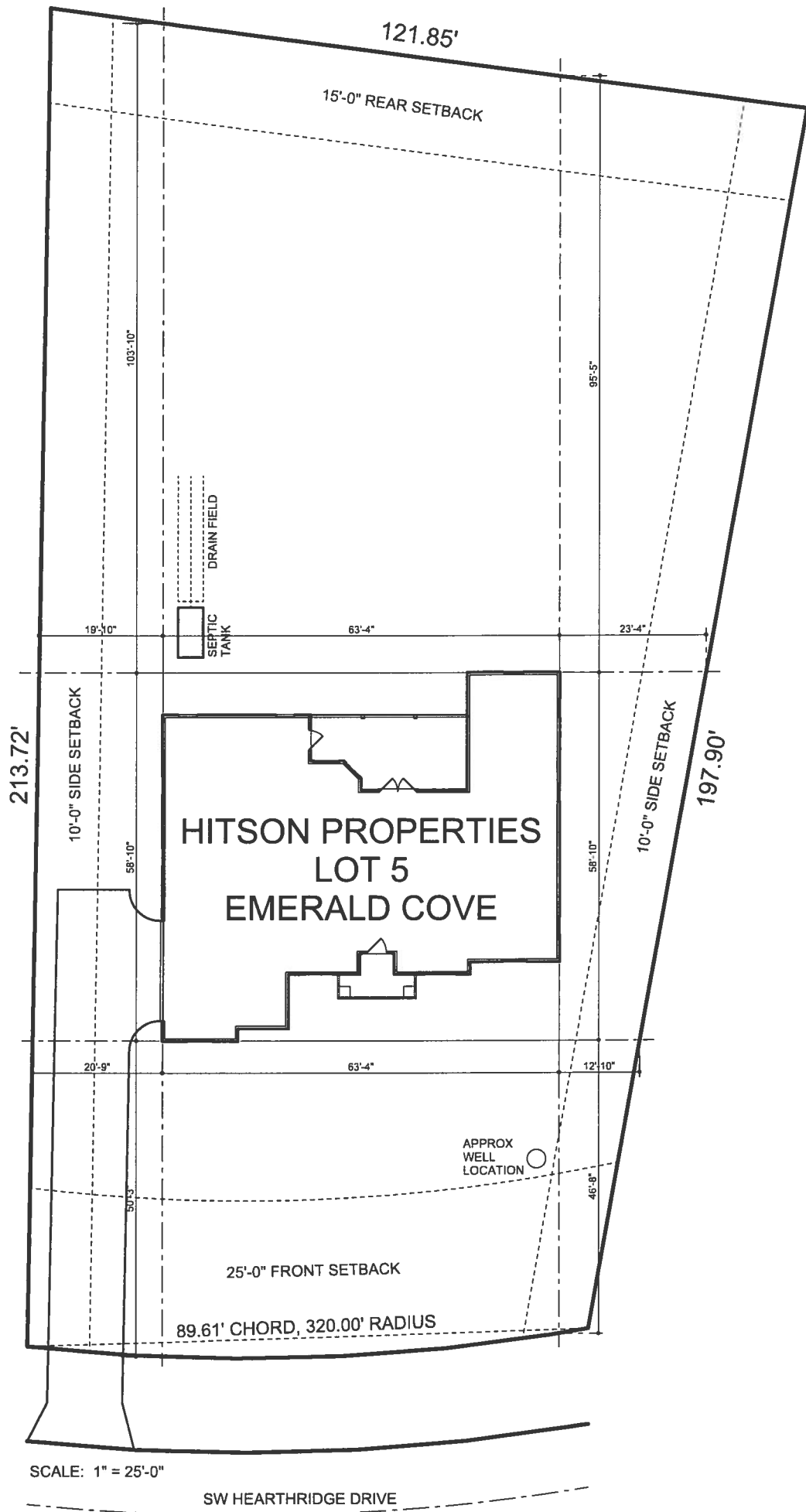
I HEREBY CERTIFY ,THE FINISH FLOOR ELEVATION, IS NO MORE THAN ONE FOOT
BELOW ADJACENT ROADWAY PER CHAD WILLIAMS, P.E., SITE DESIGN. THIS SITE SLOPES
DOWN FROM THE ADJACENT ROADWAY AND IS WELL DRAIN. THIS FINISH FLOOR MEETS
OR EXCEEDS THE DESIGN FOR THIS SITE.

AUGUST 18, 2006

WILLIAM N. KITCHEN, P.S.M. 5490

William N. Kitchen
8-18-2006

24565



SCALE: 1" = 25'-0"

SW HEARTHRIIDGE DRIVE

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL. 32025
Phone 386-752-6677
Fax 386-752-1477

Building Permit # 0605-16 ^{App} Owner's Name Shirley Histon
Well Depth _____ Ft. Casing Depth _____ Ft. Water Level _____ Ft.
Casing Size 4 inch Steel Pump Installation: Deep Well Submersible
Pump Make Aermotor Pump Model S20-100 HP 1
System Pressure (PSI) _____ On 40 Off 60 Average Pressure 50
Pumping System GPM at average pressure and pumping level 20 (GPM)
Tank Installation: Bladder/Galvanized Make Challenger
Model PC244 Size 81
Tank Draw-down per cycle at system pressure 21.9 gallons

**I HEREBY VERIFY THAT THIS WATER WELL SYSTEM HAS BEEN
INSTALLED AS PER THE ABOVE INFORMATION.**

Linda Newcomb
Signature

2609
License Number

Linda Newcomb
Print Name

5/4/06
Date

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

*****THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.*****

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

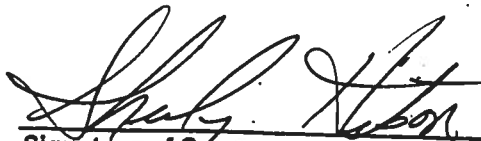
Tax Parcel ID Number 02438-105

PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
Lot #5 Emerald Cove
323 SW HeathRidge Dr.
Lake City, FL 32024
2. General description of Improvement: New Home
3. Owner Name & Address Shirley Wilson, 2218 US Hwy 90 W
Lake City, FL 32055 Interest in Property Fee Simple
4. Name & Address of Fee Simple Owner (if other than owner):
Same as Above
5. Contractor Name Charles Becker Const. Phone Number 623-4448
Address 2054 SW Dairy St. Lake City, FL 32024
6. Surety Holders Name N/A Phone Number _____
Address _____
Amount of Bond N/A
7. Lender Name First Federal Phone Number 755-0600
Address 4705 US Hwy 90 W Lake City, FL 32055
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name None Phone Number _____
Address _____
9. In addition to himself/herself the owner designates Charles Becker of
Charles Becker Const. to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee 623-4448
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:


The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.


Signature of Owner

Sworn to (or affirmed) and subscribed before
day of May 18, 2006

NOTARY STAMP/SEAL

LEANNAH E. KRAUSS
Notary Public, State of Florida
My comm. exp. July 14, 2006
Comm. No. DD 133716


Signature of Notary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS
AND PROFESSIONAL REGULATION

Division of Professions and Regulation
240 NW 76th Drive, Suite C
Gainesville, Florida 32607-6635

JAMES R. PATTON
REGIONAL PROGRAM ADMINISTRATOR

*Florida's Future is
Right Now*
DBPR

VOICE 352.333.2863
FAX 352.333.2867
EMAIL James.Patton@dbpr.state.fl.us
WEBSITE www.MyFlorida.com/dbpr

24565

Harry Dicks

From: Patton, James [James.Patton@dbpr.state.fl.us]

Sent: Tuesday, November 28, 2006 11:01 AM

To: Harry Dicks

Good Morning Harry,

I took a call this a.m. from Joe who requested input from our offices regarding a contractor proposing to use aluminum wire for an electric range hook-up. Joe asked that I forward an e-mail to your attention.

My understanding from Joe is that the hook-up would run from the panel to the range. My research found that this is allowed by the state but the wire cannot be smaller than a # 6 aluminum wire. Thanks.

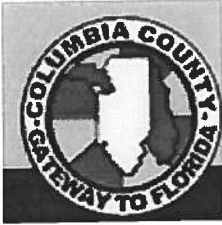
Jim Patton
Regulation Program Administrator
Division of Regulation and Professions
Region IV
240 NW 76th Drive, Suite C
Gainesville, FL 32607
Office: 352-333-2863
fax: 352-333-2867
Cell: 352-258-5902

Please note, if applicable: Pursuant to Section 455.225(10), Florida Statutes, the contents of this email may be confidential. If you have received this communication in error, or if you intend to use, disclose, copy, or disseminate its contents, please contact the sender at James.Patton@dbpr.state.fl.us immediately before doing so.

Sotek

Paskey

2/12/2007



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: **0605-16**
Contractor Charles Peeler Owner Shirley Hitson Lot 5 Phase 1 of Emerald Cove
Subdivision

On the date of May 8, 2006 application 0605-16 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.

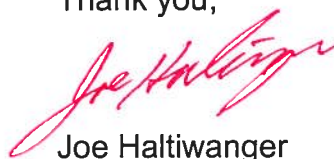
Please include application number 0605-16 when making reference to this application.

1. A review of the plans as submitted found that the attic access opening (pull down ladder type attic egress door) in the garage ceiling shall have the same protection requirements of FRC-2004 C: R309.2 Separation required. The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less

than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors.

2. A review of the plans as submitted found the electrical plan shows the location of the electrical service, Please indicate on the electrical plan that an overcurrent protection device will be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: EN. COVE LOT5

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242-1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			FL. 6029-7
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			FL. 889-122
1. Siding <i>Hardie</i>			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			Shingles Hip SS
D. ROOFING PRODUCTS			728.4, 728.5, 728.6
1. Asphalt Shingles	ELK	Shingles	
2. Underlayments			30RF → FL. 1614.3
3. Roofing Fasteners			15RF → FL. 1814.1
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Eagle Hitson Properties - Lot 5

Code Only
Professional Version
Climate: North

, FL 32025-

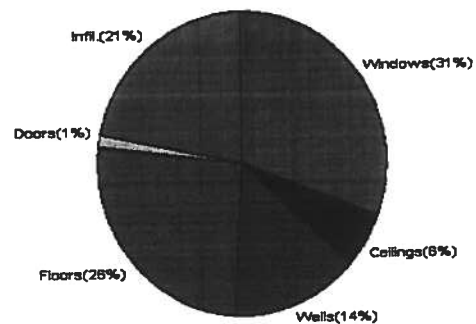
3/23/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	44175 Btuh	Total cooling load calculation	46788 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	120.0 53000	Sensible (SHR = 0.75)	105.4 39750
Heat Pump + Auxiliary(0.0kW)	120.0 53000	Latent	146.2 13250
		Total (Electric Heat Pump)	113.3 53000

WINTER CALCULATIONS

Winter Heating Load (for 2188 sqft)

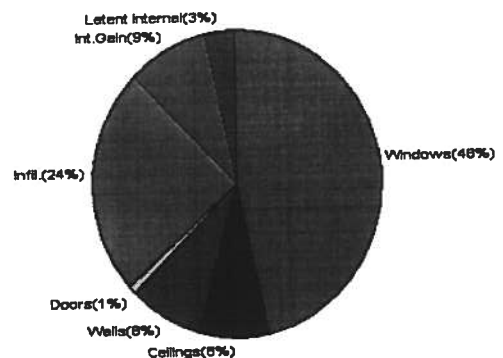
Load component		Load	
Window total	292 sqft	13735	Btuh
Wall total	1898 sqft	6232	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	2300 sqft	2710	Btuh
Floor total	264 sqft	11526	Btuh
Infiltration	233 cfm	9454	Btuh
Duct loss		0	Btuh
Subtotal		44175	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		44175	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2188 sqft)

Load component		Load	
Window total	292 sqft	21699	Btuh
Wall total	1898 sqft	3785	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	2300 sqft	3809	Btuh
Floor total		0	Btuh
Infiltration	204 cfm	3801	Btuh
Internal gain		4240	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		37725	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		7463	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		9063	Btuh
TOTAL HEAT GAIN		46788	Btuh



For Florida residences only

EnergyGauge® FLRCPB v4.1

EnergyGauge® System Sizing

PREPARED BY: Will Myers

DATE: 3/23/06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Eagle Hitson Properties - Lot 5

Code Only
Professional Version
Climate: North

, FL 32025-

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

3/23/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	45.0	47.0	2115 Btuh
2	1, Clear, Metal, 1.27	N	20.0	47.0	940 Btuh
3	1, Clear, Metal, 1.27	W	20.0	47.0	940 Btuh
4	1, Clear, Metal, 1.27	NW	15.0	47.0	705 Btuh
5	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
6	1, Clear, Metal, 1.27	N	45.0	47.0	2115 Btuh
7	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
8	1, Clear, Metal, 1.27	E	50.0	47.0	2350 Btuh
9	1, Clear, Metal, 1.27	E	13.3	47.0	625 Btuh
10	1, Clear, Metal, 1.27	S	9.0	47.0	423 Btuh
11	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
Window Total			292(sqft)		13735 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1598	3.3	5247 Btuh
2	Frame - Wood - Adj(0.09)	13.0	300	3.3	985 Btuh
Wall Total			1898		6232 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
Door Total			40		518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2300	1.2	2710 Btuh
Ceiling Total			2300		2710 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	264.0 ft(p)	43.7	11526 Btuh
Floor Total			264		11526 Btuh
Zone Envelope Subtotal:					34722 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	17504	233.4	9454 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				44175 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Eagle Hitson Properties - Lot 5

Code Only
Professional Version
Climate: North

3/23/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	44175 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	44175 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)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House
FL 32025-

Project Title:
Eagle Hitson Properties - Lot 5

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

3/23/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	45.0	47.0	2115 Btuh
2	1, Clear, Metal, 1.27	N	20.0	47.0	940 Btuh
3	1, Clear, Metal, 1.27	W	20.0	47.0	940 Btuh
4	1, Clear, Metal, 1.27	NW	15.0	47.0	705 Btuh
5	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
6	1, Clear, Metal, 1.27	N	45.0	47.0	2115 Btuh
7	1, Clear, Metal, 1.27	E	20.0	47.0	940 Btuh
8	1, Clear, Metal, 1.27	E	50.0	47.0	2350 Btuh
9	1, Clear, Metal, 1.27	E	13.3	47.0	625 Btuh
10	1, Clear, Metal, 1.27	S	9.0	47.0	423 Btuh
11	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
Window Total			292(sqft)		13735 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1598	3.3	5247 Btuh
2	Frame - Wood - Adj(0.09)	13.0	300	3.3	985 Btuh
Wall Total			1898		6232 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
Door Total			40		518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2300	1.2	2710 Btuh
Ceiling Total			2300		2710 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	264.0 ft(p)	43.7	11526 Btuh
Floor Total			264		11526 Btuh
Zone Envelope Subtotal:					34722 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	17504	233.4	9454 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				44175 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Eagle Hitson Properties - Lot 5

Code Only
Professional Version
Climate: North

3/23/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	44175 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	44175 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)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

, FL 32025-

Eagle Hitson Properties - Lot 5

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

3/23/2006

Component Loads for Whole House

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	45.0	0.0	45.0	37	94	4232	Btuh	
2	1, Clear, 1.27, None,N,N	N	4ft.	10ft.	20.0	0.0	20.0	37	37	749	Btuh	
3	1, Clear, 1.27, None,N,N	W	8.5ft	10ft.	20.0	8.2	11.8	37	94	1416	Btuh	
4	1, Clear, 1.27, None,N,N	NW	10.5f	10ft.	15.0	0.0	15.0	37	72	1084	Btuh	
5	1, Clear, 1.27, None,N,N	W	12.5f	10ft.	40.0	40.0	0.0	37	94	1498	Btuh	
6	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	45.0	0.0	45.0	37	37	1685	Btuh	
7	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	20.0	0.0	20.0	37	94	1881	Btuh	
8	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	50.0	0.0	50.0	37	94	4702	Btuh	
9	1, Clear, 1.27, None,N,N	E	8.83	12ft.	13.3	4.0	9.3	37	94	1025	Btuh	
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	9.0	9.0	0.0	37	43	337	Btuh	
11	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	37	43	562	Btuh	
	Excursion									2527	Btuh	
	Window Total				292 (sqft)					21699	Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1597.7			2.1		3333	Btuh	
2	Frame - Wood - Adj		13.0/0.09		300.0			1.5		453	Btuh	
	Wall Total				1898 (sqft)					3785	Btuh	
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Adjacent				20.0			9.8		196	Btuh	
2	Insulated - Exterior				20.0			9.8		196	Btuh	
	Door Total				40 (sqft)					392	Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle		30.0		2300.0			1.7		3809	Btuh	
	Ceiling Total				2300 (sqft)					3809	Btuh	
Floors	Type		R-Value		Size			HTM		Load		
1	Slab On Grade		0.0		264 (ft(p))			0.0		0	Btuh	
	Floor Total				264.0 (sqft)					0	Btuh	
	Zone Envelope Subtotal:									29685 Btuh		
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural		0.70		17504			204.2		3801	Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load		
			8		X 230 +			2400		4240	Btuh	
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									37725 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Eagle Hitson Properties - Lot 5

Code Only
Professional Version
Climate: North

3/23/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	37725 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	37725 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	37725 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7463 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9063 Btuh
	TOTAL GAIN	46788 Btuh

*Key: Window types (Pn - Number of panes of glass)
(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(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Omt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

, FL 32025-

Eagle Hitson Properties - Lot 5

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

3/23/2006

Component Loads for Zone #1: Main

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	45.0	0.0	45.0	37	94	4232	Btuh
2	1, Clear, 1.27, None,N,N	N	4ft.	10ft.	20.0	0.0	20.0	37	37	749	Btuh
3	1, Clear, 1.27, None,N,N	W	8.5ft	10ft.	20.0	8.2	11.8	37	94	1416	Btuh
4	1, Clear, 1.27, None,N,N	NW	10.5f	10ft.	15.0	0.0	15.0	37	72	1084	Btuh
5	1, Clear, 1.27, None,N,N	W	12.5f	10ft.	40.0	40.0	0.0	37	94	1498	Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	45.0	0.0	45.0	37	37	1685	Btuh
7	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	20.0	0.0	20.0	37	94	1881	Btuh
8	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	50.0	0.0	50.0	37	94	4702	Btuh
9	1, Clear, 1.27, None,N,N	E	8.83	12ft.	13.3	4.0	9.3	37	94	1025	Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	9.0	9.0	0.0	37	43	337	Btuh
11	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	37	43	562	Btuh
	Excursion									2527	Btuh
	Window Total				292 (sqft)					21699 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1597.7			2.1		3333 Btuh	
2	Frame - Wood - Adj		13.0/0.09		300.0			1.5		453 Btuh	
	Wall Total				1898 (sqft)					3785 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
	Door Total				40 (sqft)					392 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		2300.0			1.7		3809 Btuh	
	Ceiling Total				2300 (sqft)					3809 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		264 (ft(p))			0.0		0 Btuh	
	Floor Total				264.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									29685 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.70		17504			204.2		3801 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			8		X 230 +			2400		4240 Btuh	
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									37725 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Eagle Hitson Properties - Lot 5

Code Only
Professional Version
Climate: North

3/23/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	37725 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	37725 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	37725 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7463 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9063 Btuh
	TOTAL GAIN	46788 Btuh

*Key: Window types (Pn - Number of panes of glass)
 (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(B), Draperies(D) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (BS - Insect screen: none(N), Full(F) or Half(H))
 (Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

, FL 32025-

Project Title:
Eagle Hitson Properties - Lot 5

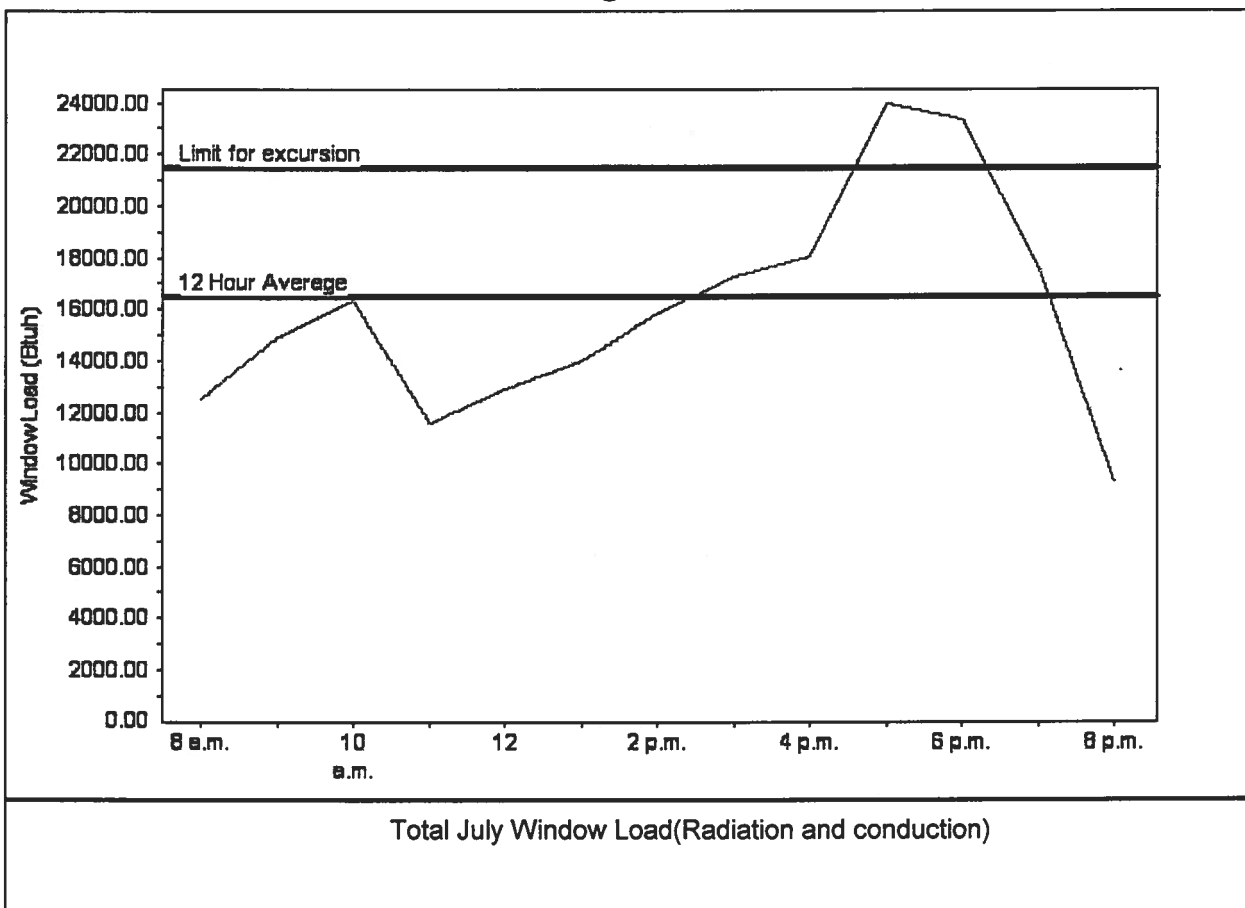
Code Only
Professional Version
Climate: North

3/23/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	16514 Btu
Summer setpoint	75 F	Peak window load for July	23996 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	21468 Btu
Latitude	29 North	Window excursion (July)	2527 Btu

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1



11-26-06

Charles Peeler Construction

owner Shirley Hitson (Emerald Cove Lot 5)

On Nov. 21st I inspected the above mentioned house. As I inspected the Electrical part of my inspection, I noticed that a Number 6 Aluminum wire was used to hook-up the stove. Columbia County Building Dept. does not allow Aluminum wire in a house, (only the service entrance cable). After talking to the Electrician he agree if we could pass this inspection, he would not use Aluminum wire again, he also stated that it is code. We realize that

this practice is according to code but we discourage this type of use. We have called and spoke with the State Liciencing Board attorney + he said that it was legal. Joe Hattiwanger also spoke with James Patton (Director of Department Bussiness and Professional Regulation, and He said that it was o.k. as long as the Amperage was o.k. I also spoke with Russ Lambert (DBPR) to bring him up to speed on our situation, and He did not have a problem. Columbia County Building Dept., ~~and~~ will allow this use this time only.

Harry Dick

State Licensing
Board

Attorney
said was
Legal

ALCU

JAMES PATTEN

352-333-2863

SEN. CADDILL & DIA-

STATE, FL. VS

GERBANYN(C)CAVNER
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 33-3S-16-02438-105

Building permit No. 000024565

Use Classification SFD.UTILITY

Fire: 55.80

Permit Holder CHARLES PEELER

Waste: 167.50

Owner of Building SHIRLEY HITSON

Total: 223.30

Location: 323 SW HEATHRIDGE DR, LAKE CITY, FL

Date: 12/14/2006

Harry Dicks

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)