

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0605-17 Date Received 4/5/06 By JW Permit # 1090/24564
Application Approved by - Zoning Official BLK Date 4.05.06 Plans Examiner OK JTH Date 5-15-06
Flood Zone Xppld Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES Low Den.
Comments Well Cate - "CD-1C"

Applicants Name Charles Becker Phone 623-4448
Address 2054 SW Dairy St. Lake City, FL 32024
Owners Name Shirley H. H. H. H. Phone 754-4663
911 Address 119 SW Woodleaf Ct. Lake City, FL 32055
Contractors Name Charles Becker Const. Phone 623-4448
Address 2054 SW Dairy St. Lake City, FL 32024
Fee Simple Owner Name & Address Shirley H. H. H. H. 2218 W. Hwy 90 W. D.C. 32055
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Mark D. S. S. S. S. P.O. Box 868, Lake City, FL 32056
Mortgage Lenders Name & Address First Federal, 4705 W. 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 02438-118 (33-35-16) Estimated Cost of Construction 150,000
Subdivision Name Emerald Cove Lot 18 Block Unit Phase
Driving Directions Hwy 90 West approx 2 miles past I-75 take left on Heatheridge Dr, TR on Woodleaf Ct, 2nd 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 50 Side 14.6 Side 24.2 Rear 90.8
Total Building Height 19.8 Number of Stories 1 Heated Floor Area 2260 Roof Pitch 8:12
PORCH 212 GARAGE 428 TOTAL 2900

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 5th day of MAY 20 06
Personally known or Produced Identification



Contractor Signature
Contractors License Number 230064655

My Commission Card Number
Expires 12/31/2008
Notary Public, State of Florida

Notary Signature

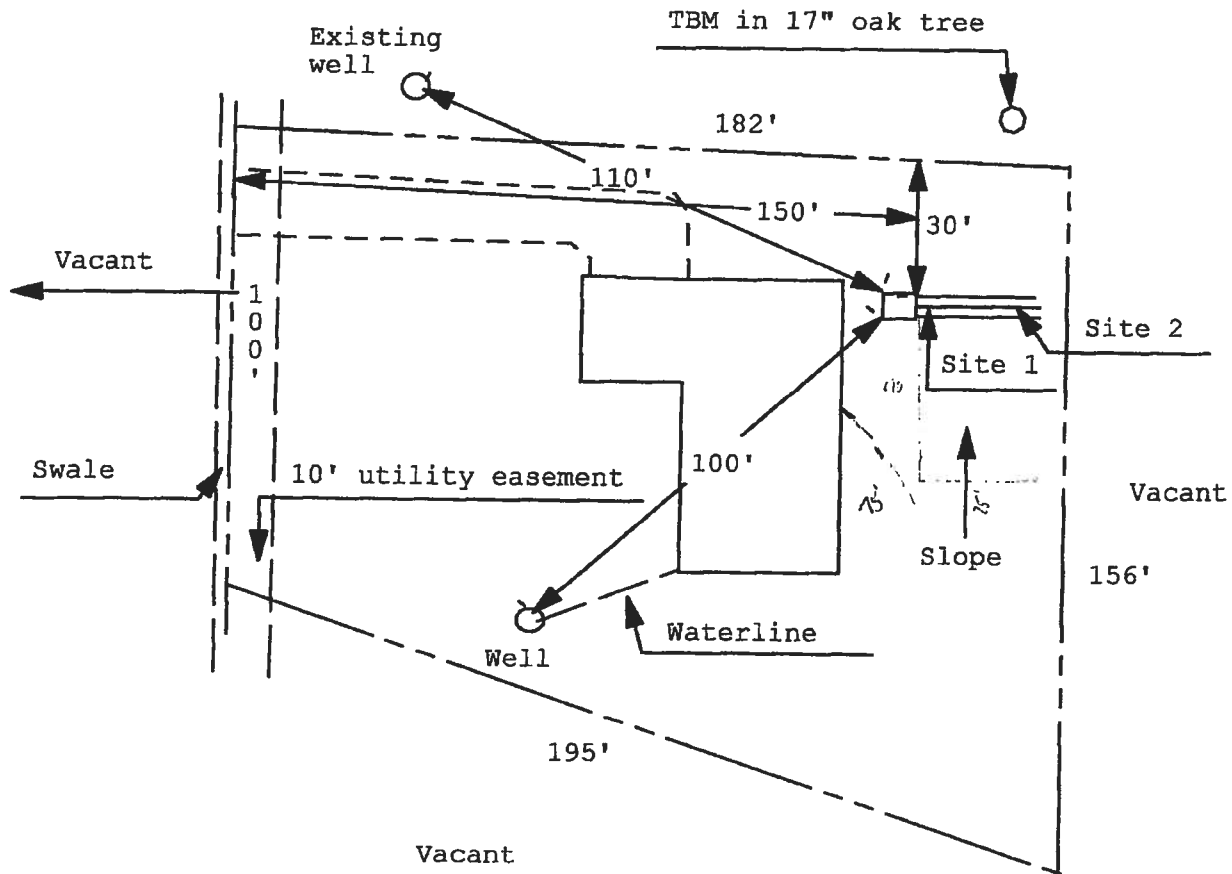
**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0492N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PEELER/CR 05-3447

Emerald Cove, Lot 18

Occupied



1 inch = 40 feet

Site Plan Submitted By Paul L. Lyle

Plan Approved ☒ Not Approved ☐

Date 5/19/06

Date 3/29/06

By M. J. Lyle Columbia CPHU

Notes:

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.

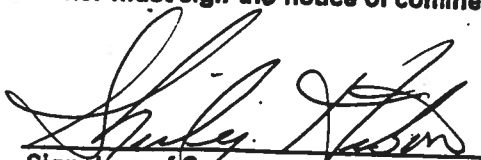
Tax Parcel ID Number 02438-118

PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
lot 18 EMERALD COVE
119 SW WOODLEAF CT.
LAKE CITY, FL. 32024
2. General description of improvement: New Home
3. Owner Name & Address Shirley H. Hinson 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 Beeler 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 Contractor
Charles Beeler 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

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave

Lake City, FL. 32025

Phone 386-752-6677

Fax 386-752-1477

Building Permit # ^{Appl} 0605-17 Owner's Name Shirley Histon

Well Depth _____ Ft. Casing Depth _____ Ft. Water Level _____ Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well SubmersiblePump Make Aermotor Pump Model S20-100 HP 1System Pressure (PSI) _____ On 40 Off 60 Average Pressure 50Pumping System GPM at average pressure and pumping level 20 (GPM)Tank Installation: Bladder/Galvanized Make ChallengerModel PC244 Size 81Tank 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
Signature2609
License NumberLinda Newcomb
Print Name5/4/06
Date

Columbia County Property Appraiser

DB Last Updated: 4/6/2006

2006 Proposed Values

Parcel: 33-3S-16-02438-118

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

<< Prev Search Result: 24 of 27 Next >>

Owner's Name	HITSON SHIRLEY A
Site Address	WOODLEAF
Mailing Address	2218 US 90 W SUITE 103 LAKE CITY, FL 32055
Description	LOT 18 EMERALD COVE S/D PHS 1. WD 1068-406. WD 1068-1903. WD 1068-406. WD 1068-1903. LOT 18 EMERALD COVE S/D PHS 1.

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 Vlmp	Sale Qual	Sale RCode	Sale Price
12/13/2005	1068/1903	WD	V	Q		\$100,000.00
12/12/2005	1068/406	WD	V	Q		\$39,900.00

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

24 of 27

Next >>

**Columbia County 9-1-1 Addressing / GIS Department
Address Assignment Data for Emerald Cove, Phase 1, Subdivision
Sections 28, 32 and 33, Township 3 South, Range 16 East**

LOT#	ADDRESS	LOT#	ADDRESS
1	231 SW Heathridge Dr	42	132 SW Woodleaf Ct
2	257 SW Heathridge Dr	43	536 SW Heathridge Dr
3	283 SW Heathridge Dr	*44	504 SW Heathridge Dr
4	303 SW Heathridge Dr	*44	117 SW Fieldstone Ct
5	323 SW Heathridge Dr	45	143 SW Fieldstone Ct
6	359 SW Heathridge Dr	46	169 SW Fieldstone Ct
7	403 SW Heathridge Dr	47	195 SW Fieldstone Ct
8	425 SW Heathridge Dr	64	(No Address Assigned)
9	445 SW Heathridge Dr	65	198 SW Fieldstone Ct
10	465 SW Heathridge Dr	66	176 SW Fieldstone Ct
11	485 SW Heathridge Dr	67	162 SW Fieldstone Ct
12	505 SW Heathridge Dr	68	142 SW Fieldstone Ct
13	525 SW Heathridge Dr	*69	118 SW Fieldstone Ct
14	545 SW Heathridge Dr	*69	456 SW Heathridge Dr
15	559 SW Heathridge Dr	*70	442 SW Heathridge Dr
16	563 SW Heathridge Dr	*70	119 SW Timberland Ct
17	103 SW Woodleaf Ct	71	139 SW Timberland Ct
18	119 SW Woodleaf Ct	72	169 SW Timberland Ct
19	141 SW Woodleaf Ct	73	203 SW Timberland Ct
20	163 SW Woodleaf Ct	74	231 SW Timberland Ct
21	185 SW Woodleaf Ct	93	218 SW Timberland Ct
22	203 SW Woodleaf Ct	94	196 SW Timberland Ct
23	223 SW Woodleaf Ct	95	172 SW Timberland Ct
38	198 SW Woodleaf Ct	96	146 SW Timberland Ct
40	176 SW Woodleaf Ct	97	118 SW Timberland Ct
41	158 SW Woodleaf Ct	98	372 SW Heathridge Dr

(NOTE: * IDENTIFIES CORNER LOTS. CONTACT THE 9-1-1 ADDRESSING DEPARTMENT FOR CORRECT ADDRESS.)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Eagle Hitson Properties**
 Address: **Lot: 18, Sub: Emerald Cove, Plat:**
 City, State: **, FL 32025-**
 Owner: **Spec House**
 Climate Zone: **North**

Builder: **Charles Reeler**
 Permitting Office: **Columbia**
 Permit Number: **24564**
 Jurisdiction Number: **221000**

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 50.0 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)	2260 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: 50.0 kBtu/hr	___
(or Single or Double DEFAULT) 7a(Sngle Default) 268.3 ft ²		___		HSPF: 6.80	___
b. SHGC:		___	b. N/A		___
(or Clear or Tint DEFAULT) 7b. (Clear) 268.3 ft ²		___	c. N/A		___
8. Floor types		___	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0, 240.0(p) ft	___	a. Electric Resistance	Cap: 50.0 gallons	___
b. N/A		___		EF: 0.90	___
c. N/A		___	b. N/A		___
9. Wall types		___	c. Conservation credits		___
a. Frame, Wood, Exterior	R=13.0, 1509.7 ft ²	___	(HR-Heat recovery, Solar		___
b. Frame, Wood, Adjacent	R=13.0, 260.0 ft ²	___	DHP-Dedicated heat pump)		___
c. N/A		___	15. HVAC credits		___
d. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,		___
e. N/A		___	HF-Whole house fan,		___
10. Ceiling types		___	PT-Programmable Thermostat,		___
a. Under Attic	R=30.0, 2300.0 ft ²	___	MZ-C-Multizone cooling,		___
b. N/A		___	MZ-H-Multizone heating)		___
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: 0.12

Total as-built points: 32550

Total base points: 33922

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: 3/22/06

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.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, 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	2260.0	20.04	8152.3	Single, Clear	W	1.5	10.0	45.0	43.84	0.98	1931.2		
				Single, Clear	W	10.0	10.0	40.0	43.84	0.53	930.0		
				Single, Clear	SW	10.0	10.0	15.0	45.75	0.49	336.5		
				Single, Clear	W	7.0	10.0	15.0	43.84	0.62	409.2		
				Single, Clear	N	1.5	8.0	16.0	21.73	0.97	336.3		
				Single, Clear	E	1.5	10.0	60.0	47.92	0.98	2812.7		
				Single, Clear	E	7.5	10.0	13.3	47.92	0.59	377.9		
				Single, Clear	E	1.5	8.0	30.0	47.92	0.96	1376.6		
				Single, Clear	S	1.5	8.0	30.0	40.81	0.92	1130.4		
				Single, Clear	S	1.5	8.0	4.0	40.81	0.92	150.7		
				As-Built Total:				268.3				9791.5	
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points				
Adjacent	260.0	0.70	182.0	Frame, Wood, Exterior			13.0	1509.7	1.50	2264.5			
Exterior	1509.7	1.70	2566.5	Frame, Wood, Adjacent			13.0	260.0	0.60	156.0			
Base Total:		1769.7	2748.5	As-Built Total:				1769.7	2420.5				
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:		40.0	114.0	As-Built Total:				40.0	114.0				
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2260.0	1.73	3909.8	Under Attic			30.0	2300.0	1.73 X 1.00	3979.0			
Base Total:		2260.0	3909.8	As-Built Total:				2300.0	3979.0				
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points				
Slab	240.0(p)	-37.0	-8880.0	Slab-On-Grade Edge Insulation			0.0	240.0(p)	-41.20	-9888.0			
Raised	0.0	0.00	0.0										
Base Total:		-8880.0		As-Built Total:				240.0	-9888.0				
INFILTRATION				Area X BSPM = Points		Area X SPM = Points							
		2260.0	10.21	23074.6							2260.0	10.21	23074.6

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Emerald Cove, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 29119.2				Summer As-Built Points: 29491.6						
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
29119.2	0.4266		12422.2	(sys 1: Central Unit 50000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 29492	1.00	(1.09 x 1.000 x 1.00)	0.310	1.000		9974.0
				29491.6	1.00	1.090	0.310	1.000		9974.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, 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	2260.0	12.74	5182.6	Single, Clear	W	1.5	10.0	45.0	28.84	1.01	1305.2
				Single, Clear	W	10.0	10.0	40.0	28.84	1.17	1346.0
				Single, Clear	SW	10.0	10.0	15.0	24.09	1.60	577.9
				Single, Clear	W	7.0	10.0	15.0	28.84	1.13	487.2
				Single, Clear	N	1.5	8.0	16.0	33.22	1.00	532.0
				Single, Clear	E	1.5	10.0	60.0	26.41	1.01	1604.7
				Single, Clear	E	7.5	10.0	13.3	26.41	1.21	425.5
				Single, Clear	E	1.5	8.0	30.0	26.41	1.02	808.0
				Single, Clear	S	1.5	8.0	30.0	20.24	1.04	632.1
				Single, Clear	S	1.5	8.0	4.0	20.24	1.04	84.3
				As-Built Total:				268.3		7802.9	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	260.0	3.60	936.0	Frame, Wood, Exterior	13.0		1509.7	3.40	5133.0		
Exterior	1509.7	3.70	5585.9	Frame, Wood, Adjacent	13.0		260.0	3.30	858.0		
Base Total: 1769.7 6521.9				As-Built Total:				1769.7		5991.0	
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	2260.0	2.05	4633.0	Under Attic	30.0		2300.0	2.05 X 1.00	4715.0		
Base Total: 2260.0 4633.0				As-Built Total:				2300.0		4715.0	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	240.0(p)	8.9	2136.0	Slab-On-Grade Edge Insulation	0.0		240.0(p)	18.80	4512.0		
Raised	0.0	0.00	0.0								
Base Total: 2136.0				As-Built Total:				240.0		4512.0	
INFILTRATION Area X BWPM = Points						Area X WPM = Points					
2260.0 -0.59 -1333.4						2260.0 -0.59 -1333.4					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, Sub: Emerald Cove, Plat: , , FL, 32025-

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 17468.1			Winter As-Built Points: 22015.5					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
			(DM x DSM x AHU)					
17468.1	0.6274	10959.5	(sys 1: Electric Heat Pump 50000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 22015.5 1.000 (1.069 x 1.000 x 1.00) 0.501 1.000 11801.9					
			22015.5	1.00	1.069	0.501	1.000	11801.9

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

ADDRESS: Lot: 18, Sub: Emerald Cove, Plat: , , FL, 32025-

PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
12422		10959	10540 33922	9974		11802	10774 32550

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 18, 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* = 83.9

The higher the score, the more efficient the home.

Spec House, Lot: 18, 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: 50.0 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)	2260 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___		___
a. U-factor:	Description Area		13. Heating systems	
(or Single or Double DEFAULT)	7a(Sngle Default) 268.3 ft ²	___	a. Electric Heat Pump	Cap: 50.0 kBtu/hr
b. SHGC:		___		HSPF: 6.80
(or Clear or Tint DEFAULT)	7b. (Clear) 268.3 ft ²	___	b. N/A	___
8. Floor types		___	c. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 240.0(p) ft	___		___
b. N/A	___	___	14. Hot water systems	
c. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
9. Wall types		___		EF: 0.90
a. Frame, Wood, Exterior	R=13.0, 1509.7 ft ²	___	b. N/A	___
b. Frame, Wood, Adjacent	R=13.0, 260.0 ft ²	___		___
c. N/A	___	___	c. Conservation credits	___
d. N/A	___	___	(HR-Heat recovery, Solar	___
e. N/A	___	___	DHP-Dedicated heat pump)	___
10. Ceiling types		___	15. HVAC credits	___
a. Under Attic	R=30.0, 2300.0 ft ²	___	(CF-Ceiling fan, CV-Cross ventilation,	___
b. N/A	___	___	HF-Whole house fan,	___
c. N/A	___	___	PT-Programmable Thermostat,	___
11. Ducts(Leak Free)		___	MZ-C-Multizone cooling,	___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	___	MZ-H-Multizone heating)	___
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 Address: _____ City, State: _____, FL 32025- Owner: Spec House Climate Zone: North	Builder: _____ Permitting Office: _____ Permit Number: _____ Jurisdiction Number: _____
--	--

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.

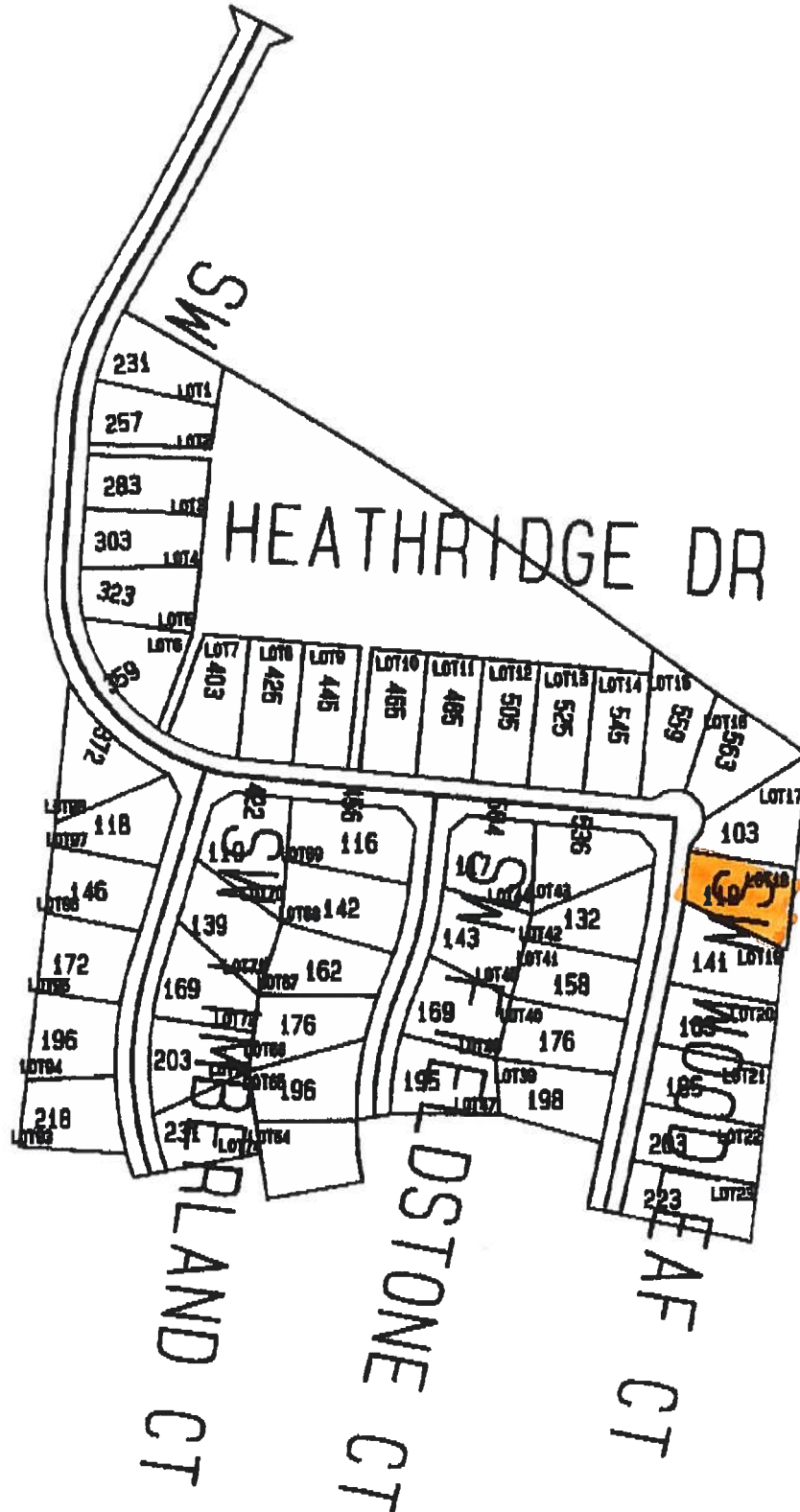
Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

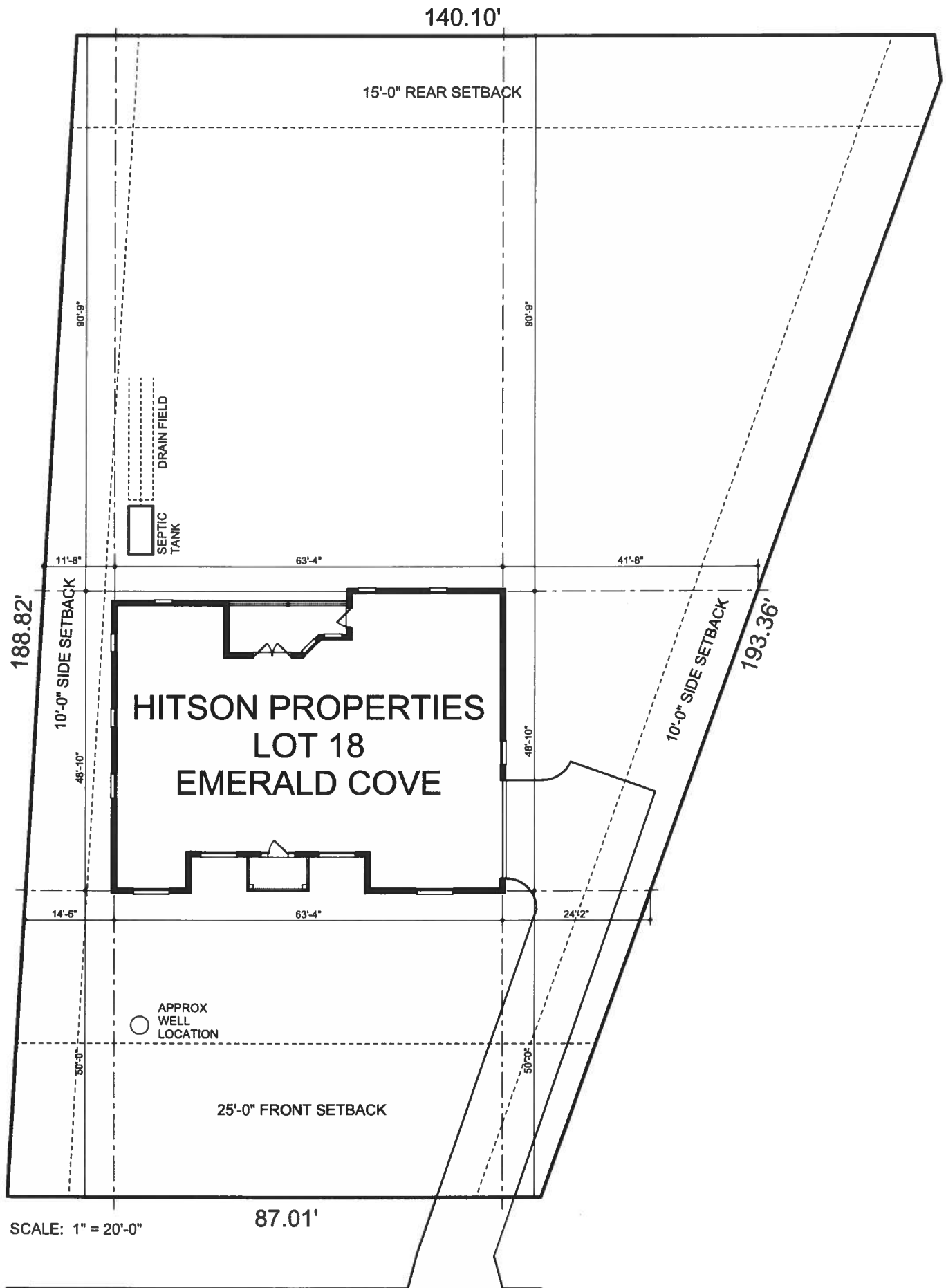
Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
DATE: _____

Columbia County 9-1-1 Addressing / GIS Department
Address Assignment Data for Emerald Cove, Phase 1, Subdivision
Sections 28, 32 and 33, Township 3 South, Range 16 East
(Map Page)





SW WOODLEAF COURT

PRODUCT APPROVAL SPECIFICATION SHEET

Location: EN COVE. LOT 18 Project Name: _____

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>Hartlie</i>			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			Shingles Hip SS 728.4, 728.5, 728.1
1. Asphalt Shingles	ELK	Shingles	
2. Underlayments			30RF → FL. 1814.3
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
FL 32025-

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

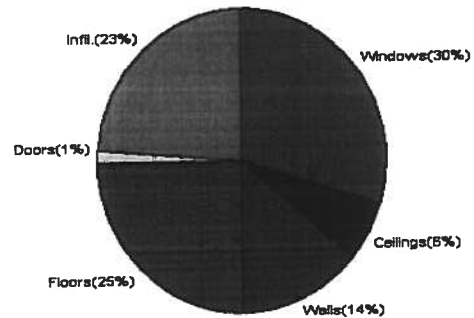
3/22/2006

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	41891 Btuh	Total cooling load calculation	44620 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.4 50000	Sensible (SHR = 0.75)	106.2 37500
Heat Pump + Auxiliary(0.0kW)	119.4 50000	Latent	134.3 12500
		Total (Electric Heat Pump)	112.1 50000

WINTER CALCULATIONS

Winter Heating Load (for 2260 sqft)

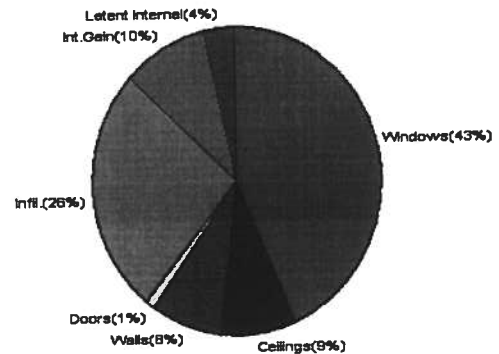
Load component		Load	
Window total	268 sqft	12607	Btuh
Wall total	1770 sqft	5812	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	2300 sqft	2710	Btuh
Floor total	240 sqft	10478	Btuh
Infiltration	241 cfm	9765	Btuh
Duct loss		0	Btuh
Subtotal		41891	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		41891	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2260 sqft)

Load component		Load	
Window total	268 sqft	19403	Btuh
Wall total	1770 sqft	3541	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	2300 sqft	3809	Btuh
Floor total		0	Btuh
Infiltration	211 cfm	3926	Btuh
Internal gain		4240	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		35311	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		7709	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		9309	Btuh
TOTAL HEAT GAIN		44620	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Will Myers

DATE: 3/22/06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

, FL 32025-

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

3/22/2006

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	W	40.0		47.0	1880 Btuh
3	1, Clear, Metal, 1.27	SW	15.0		47.0	705 Btuh
4	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
5	1, Clear, Metal, 1.27	N	16.0		47.0	752 Btuh
6	1, Clear, Metal, 1.27	E	60.0		47.0	2819 Btuh
7	1, Clear, Metal, 1.27	E	13.3		47.0	625 Btuh
8	1, Clear, Metal, 1.27	E	30.0		47.0	1410 Btuh
9	1, Clear, Metal, 1.27	S	30.0		47.0	1410 Btuh
10	1, Clear, Metal, 1.27	S	4.0		47.0	188 Btuh
Window Total			268(sqft)			12607 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1510		3.3	4958 Btuh
2	Frame - Wood - Adj(0.09)	13.0	260		3.3	854 Btuh
Wall Total			1770			5812 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	240.0 ft(p)		43.7	10478 Btuh
Floor Total			240			10478 Btuh
Zone Envelope Subtotal:						32126 Btuh
Infiltration	Type	ACH	Zone Volume	CFM=		Load
	Natural	0.80	18080	241.1		9765 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					41891 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

3/22/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	41891 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41891 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

Code Only
Professional Version
Climate: North

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

3/22/2006

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	W	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	SW	15.0	47.0	705 Btuh
4	1, Clear, Metal, 1.27	W	15.0	47.0	705 Btuh
5	1, Clear, Metal, 1.27	N	16.0	47.0	752 Btuh
6	1, Clear, Metal, 1.27	E	60.0	47.0	2819 Btuh
7	1, Clear, Metal, 1.27	E	13.3	47.0	625 Btuh
8	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
9	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
10	1, Clear, Metal, 1.27	S	4.0	47.0	188 Btuh
Window Total			268(sqft)		12607 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1510	3.3	4958 Btuh
2	Frame - Wood - Adj(0.09)	13.0	260	3.3	854 Btuh
Wall Total			1770		5812 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	240.0 ft(p)	43.7	10478 Btuh
Floor Total			240		10478 Btuh
Zone Envelope Subtotal:					32126 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	18080	241.1	9765 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				41891 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

, FL 32025-

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

3/22/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	41891 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41891 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:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

3/22/2006

Component Loads for Whole House

Window	Type*	Ornt	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	W	10ft.	10ft.	40.0	29.8	10.2	37	94	2075	Btuh
3	1, Clear, 1.27, None,N,N	SW	10ft.	10ft.	15.0	15.0	0.0	37	75	562	Btuh
4	1, Clear, 1.27, None,N,N	W	7ft.	10ft.	15.0	2.4	12.6	37	94	1273	Btuh
5	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	16.0	0.0	16.0	37	37	599	Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	60.0	0.0	60.0	37	94	5643	Btuh
7	1, Clear, 1.27, None,N,N	E	7.5ft	10ft.	13.3	5.8	7.5	37	94	924	Btuh
8	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821	Btuh
9	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124	Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	37	43	150	Btuh
Window Total					268 (sqft)					19403 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1509.7		2.1		3149 Btuh		
2	Frame - Wood - Adj	13.0/0.09			260.0		1.5		392 Btuh		
Wall Total					1770 (sqft)				3541 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		
Cellings	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			240 (ft(p))		0.0		0 Btuh		
Floor Total					240.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										27146 Btuh	
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load		
	SensibleNatural	0.70			18080		210.9		3926 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										35311 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
, FL 32025-

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

3/22/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	35311 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	35311 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35311 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7709 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	9309 Btuh
	TOTAL GAIN	44620 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

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

3/22/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	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	W	10ft.	10ft.	40.0	29.8	10.2	37	94	2075	Btuh
3	1, Clear, 1.27, None,N,N	SW	10ft.	10ft.	15.0	15.0	0.0	37	75	562	Btuh
4	1, Clear, 1.27, None,N,N	W	7ft.	10ft.	15.0	2.4	12.6	37	94	1273	Btuh
5	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	16.0	0.0	16.0	37	37	599	Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	60.0	0.0	60.0	37	94	5643	Btuh
7	1, Clear, 1.27, None,N,N	E	7.5ft	10ft.	13.3	5.8	7.5	37	94	924	Btuh
8	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821	Btuh
9	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124	Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	37	43	150	Btuh
Window Total					268 (sqft)					19403 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1509.7		2.1		3149 Btuh		
2	Frame - Wood - Adj		13.0/0.09		260.0		1.5		392 Btuh		
Wall Total					1770 (sqft)				3541 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		240 (ft(p))		0.0		0 Btuh		
Floor Total					240.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										27146 Btuh	
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural		0.70		18080		210.9		3926 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										35311 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
FL 32025-

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

3/22/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	35311 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	35311 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35311 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7709 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	9309 Btuh
	TOTAL GAIN	44620 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

Project Title:
Eagle Hitson Properties

Code Only
Professional Version
Climate: North

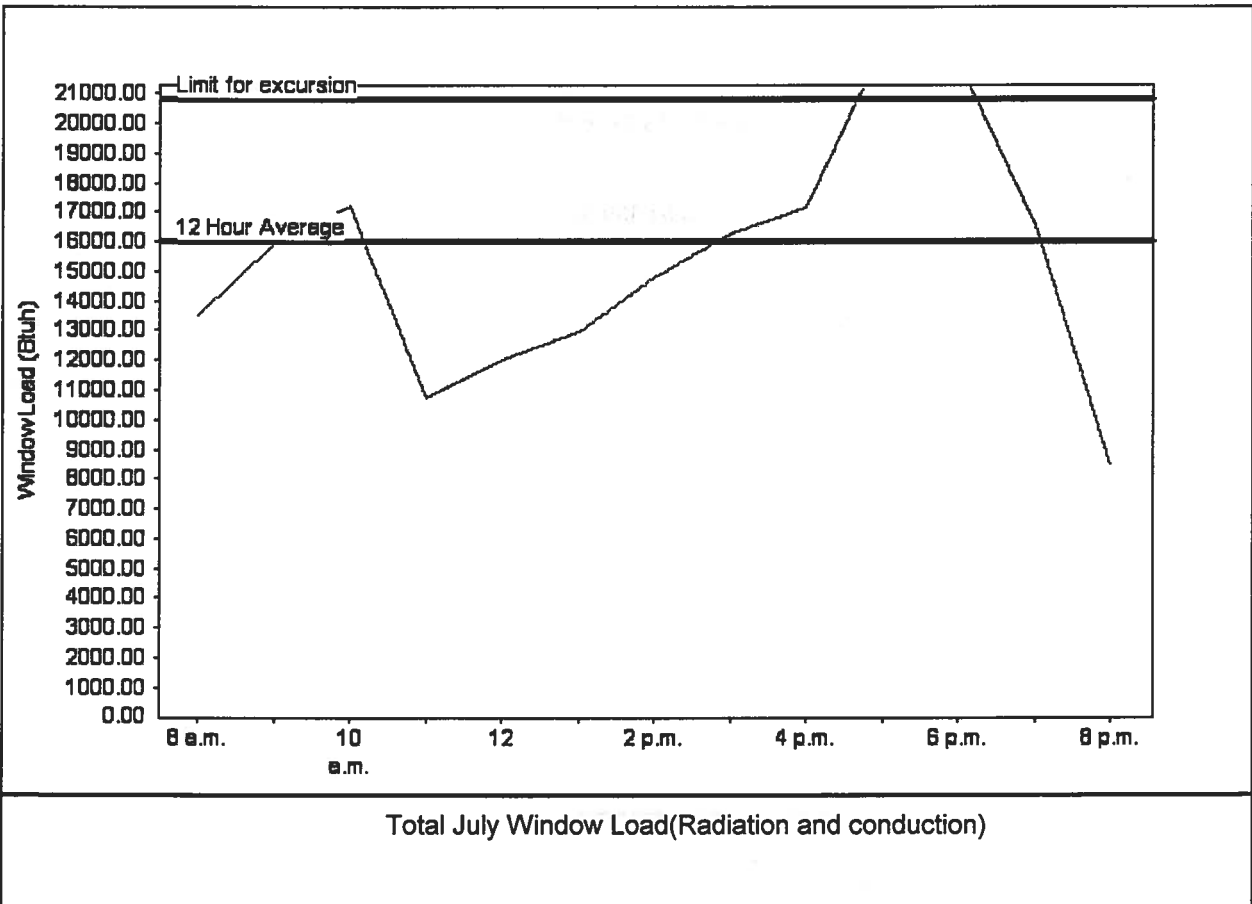
, FL 32025-

3/22/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	15988 Btu
Summer setpoint	75 F	Peak window load for July	22830 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	20784 Btu
Latitude	29 North	Window excursion (July)	2046 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



Webbie

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001090**

DATE: 05/25/2006 BUILDING PERMIT NO. 24564

APPLICANT CHARLES PEELER PHONE 623-4448

ADDRESS 2054 SW DAIRY ST LAKE CITY FL 32024

OWNER SHIRLEY HITSON PHONE 754-4663

ADDRESS 119 SW WOODLEAF COURT LAKE CITY FL 32055

CONTRACTOR CHARLES PEELER PHONE 623-4448

LOCATION OF PROPERTY 90W, TL ON HEATHERIDGE DR, TR ON WOODLEAF CT, 2ND LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT EMERALD COVE 18

PARCEL ID # 33-3S-16-02438-118

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

SIGNATURE: [Signature]

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

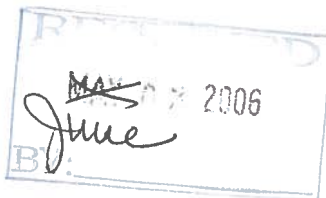
APPROVED NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: [Signature] DATE: 6-5-06

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

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





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: **0605-17**
Contractor Charles Peeler Owner Shirley Hitson Lot 18 Phase 1 of Emerald Cove Subdivision

On the date of May 8, 2006 application 0605-17 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.

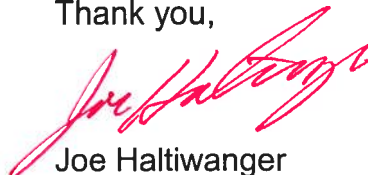
Please include application number 0605-17 when making reference to this application.

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 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 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.
3. Please show the method of protecting the appliances in the garage area as required by the Florida Mechanical Code, Sections: 303.4 Protection from damage: Appliances shall not be installed in a location where subject to mechanical damage unless protected by approved barriers.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department