

Columbia County Building Permit Application

For Office Use Only Application # 0712-62 Date Received 12/20 By JW Permit # 26570
Application Approved by - Zoning Official BLK Date 03.01.08 Plans Examiner AKJH Date 12-21-07
Flood Zone X Plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES Low Den.
Comments _____

☐ NOC ☒ EH ☐ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Perm

Fax 386-752-4904

Name Authorized Person Signing Permit KIMMY EDGLEY Phone 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

Owners Name BILL & SUSAN LAGONI Phone 386-752-0580

911 Address 267 SW CHALLENGER LANE LAKE CITY FL 32025

Contractors Name EDGLEY CONSTRUCTION CO. Phone 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

Fee Simple Owner Name & Address BILL & SUSAN LAGONI

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address MARK DISOSWAY P.E. P.O. BOX 868 LAKE CITY FL 32056

Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Enerc

Property ID Number 17-4S-17-08106-108 Estimated Cost of Construction \$395,000.00

Subdivision Name COUNTRY LANDINGS S/D Lot 8 Block Unit Phase

Driving Directions SR 47 S, TR ON MARVIN BURNETT, TL ON DEANNA, TR ON BAMBI,
TL ON WINGS, TR ON CHALLENGER, SEVENTH ON RIGHT

Type of Construction RESIDENTIAL HOME Number of Existing Dwellings on Property N/A

Total Acreage .497 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Dri

Actual Distance of Structure from Property Lines - Front 26'5" Side 11' Side 21' Rear 61'5"

Total Building Height 17'10" Number of Stories 1 Heated Floor Area 3253 Roof Pitch 6/12

TOTAL 5440

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.

Kimmy Edgley
Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 20th day of December 2007.
Personally known ☒ or Produced Identification

Douglas E. Clark
Contractor Signature
Contractors License Number RR282811326
Competency Card Number 5878
NOTARY STAMP/SEAL

Jan Clark
Notary Signature
JAN CLARK
MY COMMISSION # DD 634946
EXPIRES: March 28, 2011
Bonded Thru Budget Notary Services

(Revised Sept. 200

Tr. called - Kimmy 1.3.08

This Instrument Prepared by & return to:

Name: **Branda Styons, an employee of
TITLE OFFICES, LLC**
Address: **1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
File No. 06Y-01056CT**

Inst: 2006004914 Date: 03/01/2006 Time: 11:06

Doc Stamp-Deed : 672.00

DC, P. DeWitt Cason, Columbia County B: 1075 P: 1730

Parcel I.D. #: 08106-108

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 15th day of February, A.D. 2006, by

JOHN B. GORDON, INDIVIDUALLY AND AS TRUSTEE AND SUCCESSOR TRUSTEE(S) OF THE JOHN B. GORDON LIVING TRUST AGREEMENT DATED JUNE 18, 1997;

SHIRLEY R. REESE, A SINGLE PERSON, AND

JANET E. ROYE, A SINGLE PERSON, hereinafter called the grantors, to

WILLIAM A. LAGONI, TRUSTEE OF THE WILLIAM A. LAGONI REVOCABLE TRUST AGREEMENT DATED 9/16/2003 WITH WILLIAM A. LAGONI AS GRANTOR, WITH FULL POWER AND AUTHORITY TO PROTECT, CONSERVE, SELL, LEASE, ENCUMBER, OR OTHERWISE MANAGE AND DISPOSE OF THE REAL PROPERTY, whose post office address is

4704 W 81ST PLACE, INDIANAPOLIS, IN 46268, hereinafter called the grantees:

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantors, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of FLORIDA, viz:

Lot 8, COUNTRY LANDINGS, according to the map or plat thereof as recorded in Plat Book 6, Page 90, of the Public Records of Columbia County, FLORIDA.

THE ABOVE DESCRIBED PROPERTY IS NOT THE HOMESTEAD OF THE GRANTORS.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

And the grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2006.

In Witness Whereof, the said grantors have signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

[Signature]
Witness Signature

[Signature]
Printed Name

[Signature]
Witness Signature

[Signature]
Printed Name

[Signature]
Printed Name

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 15th day of February, 2006, by **JOHN B. GORDON** and **SHIRLEY R. REESE**, who are known to me or who have produced as identification.



Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Tray Plan - Insurance Inc. 800-365-7018

[Signature]
Notary Public

My commission expires [Signature]

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 15th day of February, 2006 by **JANET E. ROYE**, who is known to me or who has produced as identification.



Joan St. John
Commission # DD342964
Expires August 2, 2008
Bonded Tray Plan - Insurance Inc. 800-365-7018

[Signature]
Notary Public

My commission expires [Signature]

Inst: 2006004914 Date: 03/01/2006 Time: 11:06

Doc Stamp-Deed : 672.00

DC, P. DeWitt Cason, Columbia County B:1075 P:1731

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

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

Addressing Maintenance

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

DATE REQUESTED: 12/14/2007 DATE ISSUED: 12/17/2007

ENHANCED 9-1-1 ADDRESS:

267 SW CHALLENGER LN

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

17-4S-17-08106-108

Remarks:

LOT 8 COUNTRY LANDINGS S/D.

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

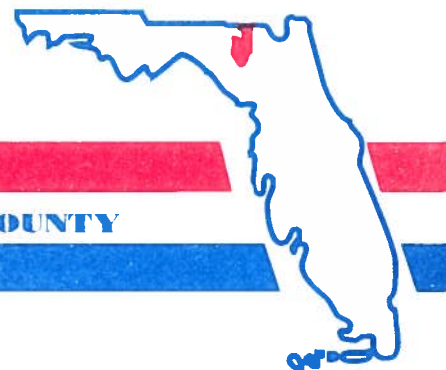
Approved Address

1082

DEC 17 2007

911Addressing/GIS Dept

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Stephen E. Bailey
District No. 5 - Elizabeth Porter



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

MEMORANDUM

Date: 27 December 2007
To: John Colson, P.E., County Engineer
From: Brian L. Kepner, County Planner *BLK*
Re: 2004 Flooding

Please find attached a property that is located within Country Landing Subdivision. I am trying to determine if this parcel had standing water on it from the hurricanes of 2004. I know certain parcels to the east of there on SW Bambi Lane did but, I don't have any information about this lot. Please advise, thank you.

xc: Dale Williams, County Manager

*Did not observe -
From Site Review is extremely
doubtful that there could be
standing water on this lot.*

*J. Colson
01/02/08*



Columbia County Property Appraiser

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

PARCEL: 07-4S-17-08106-108 - VACANT (000000)

Name:	LAGONI WILLIAM A TRUSTEE	LandVal	\$57,000.00
Site:	LT 8 COUNTRY LANDING	BldgVal	\$0.00
	OF THE WILLIAM A LAGONI	ApprVal	\$57,000.00
Mail:	REV TRUST	JustVal	\$57,000.00
	4704 W 81ST PLACE	Assd	\$57,000.00
	INDIANAPOLIS, IN 46268	Exmpt	\$0.00
Sales	2/15/2006 \$96,000.00V / U	Taxable	\$57,000.00
Info	11/24/2004 \$43,500.00V / Q		

0 190 380 570 ft



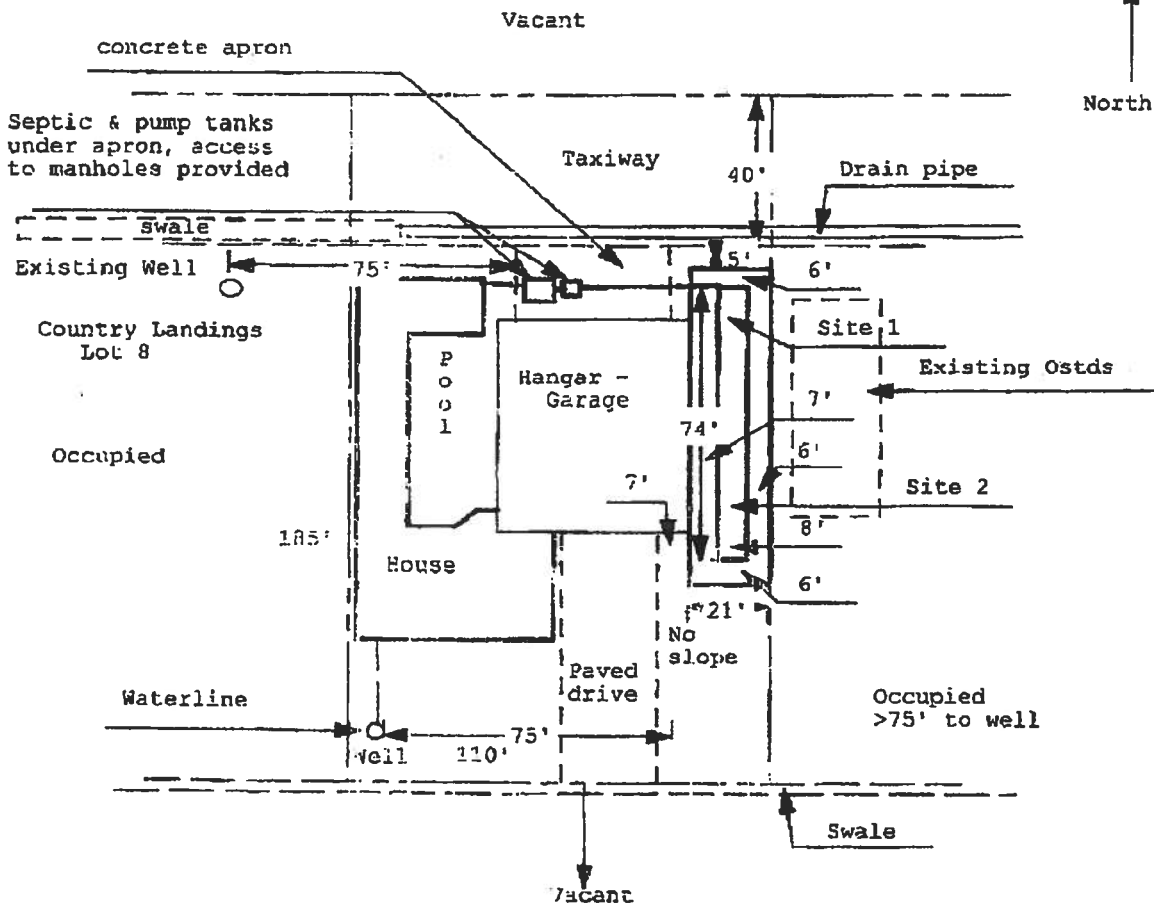
This information, GIS Map Updated: 11/15/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Lagoni

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 02-0974

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

LAGONI/CR 05-3330



1 inch = 50 feet

Site Plan Submitted By *Paul Lagoni* Date *12/13/07*
 Plan Approved Not Approved Date *12/21/07*
 By *Mark S. Landry* Env. Mgt. Co. CPHU

Notes: _____

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~1723 NORTH FIRST STREET~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

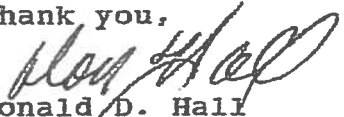
June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,


Donald D. Hall
DDH/jk

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	708212Lagoni, William	Builder:	
Address:	Lot: 8, Sub: Cannon Creek, Plat:	Permitting Office:	<i>Colu m 212</i>
City, State:	, FL	Permit Number:	
Owner:	Lagoni, William	Jurisdiction Number:	<i>221000</i>
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 74.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	3043 ft²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 74.0 kBtu/hr HSPF: 7.90
a. U-factor:	Description Area	b. N/A	
(or Single or Double DEFAULT) 7a. (Dble Default)	551.5 ft²	c. N/A	
b. SHGC:			
(or Clear or Tint DEFAULT) 7b. (Clear)	551.5 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons EF: 0.93
a. Slab-On-Grade Edge Insulation	R=0.0, 418.0(p) ft	b. N/A	
b. N/A		c. N/A	
c. N/A			
9. Wall types		15. HVAC credits	
a. Frame, Wood, Exterior	R=13.0, 2100.5 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. Frame, Wood, Adjacent	R=13.0, 912.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 3072.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 270.0 ft		
b. N/A			

Glass/Floor Area: 0.18

Total as-built points: 37568

Total base points: 40905

PASS

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

PREPARED BY: *[Signature]*

DATE: *12-17-07*

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: 8, Sub: Cannon Creek, Plat: , FL,

PERMIT #:

BASE				AS-BUILT										
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area														
				Type/SC	Overhang Ornt Len Hgt		Area X	SPM X	SOF = Points					
.18	3043.0	20.04	10976.7	Double, Clear	NW	1.5	5.5	40.0	25.97	0.91	947.2			
				Double, Clear	NW	1.5	5.5	16.0	25.97	0.91	378.9			
				Double, Clear	NE	1.5	5.5	16.0	29.56	0.91	428.2			
				Double, Clear	NE	3.0	6.5	120.0	29.56	0.78	2767.2			
				Double, Clear	NE	3.0	6.5	40.0	29.56	0.78	922.4			
				Double, Clear	NW	1.5	6.5	20.0	25.97	0.94	486.8			
				Double, Clear	NW	1.5	6.5	20.0	25.97	0.94	486.8			
				Double, Clear	SW	99.0	6.5	20.0	40.16	0.37	295.6			
				Double, Clear	NW	1.5	4.5	12.0	25.97	0.87	272.5			
				Double, Clear	SW	1.5	6.5	14.0	40.16	0.90	508.1			
				Double, Clear	SE	1.5	6.5	80.0	42.75	0.90	3086.2			
				Double, Clear	SE	6.0	7.3	13.5	42.75	0.53	306.9			
				Double, Clear	SW	1.5	5.5	80.0	40.16	0.86	2772.8			
				Double, Clear	SW	1.5	5.5	24.0	40.16	0.86	831.8			
				Double, Clear	SW	1.5	7.5	36.0	40.16	0.93	1349.6			
				As-Built Total:				551.5				15840.9		
				WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	=	Points
				Adjacent	912.0	0.70	638.4	Frame, Wood, Exterior	13.0		2100.5	1.50	3150.8	
				Exterior	2100.5	1.70	3570.9	Frame, Wood, Adjacent	13.0		912.0	0.60	547.2	
Base Total: 3012.5 4209.3				As-Built Total: 3012.5				3697.9						
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM	=	Points				
Adjacent	60.0	1.60	96.0	Exterior Insulated			60.0	4.10	246.0					
Exterior	120.0	4.10	492.0	Adjacent Insulated			60.0	1.60	96.0					
				Exterior Insulated			60.0	4.10	246.0					
Base Total: 180.0 588.0				As-Built Total: 180.0				588.0						
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM	=	Points				
Under Attic	3043.0	1.73	5264.4	Under Attic	30.0		3072.0	1.73 X 1.00	5314.6					
Base Total: 3043.0 5264.4				As-Built Total: 3072.0				5314.6						
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	=	Points				
Slab	418.0(p)	-37.0	-15466.0	Slab-On-Grade Edge Insulation	0.0		418.0(p)	-41.20	-17221.6					
Raised	0.0	0.00	0.0											
Base Total: -15466.0				As-Built Total: 418.0				-17221.6						

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Cannon Creek, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
3043.0 10.21 31069.0				3043.0 10.21 31069.0						
Summer Base Points: 36641.4				Summer As-Built Points: 39288.8						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Cooling Points
36641.4		0.4266	15631.2	(sys 1: Central Unit 74000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 39289 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 11735.3 39288.8 1.00 1.138 0.263 1.000 11735.3						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Cannon Creek, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT											
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X WPM X WOF = Points											
.18	3043.0	12.74	6978.2	Double, Clear	NW	1.5	5.5	40.0	24.30	1.00	975.8				
				Double, Clear	NW	1.5	5.5	16.0	24.30	1.00	390.3				
				Double, Clear	NE	1.5	5.5	16.0	23.57	1.01	380.1				
				Double, Clear	NE	3.0	6.5	120.0	23.57	1.02	2890.3				
				Double, Clear	NE	3.0	6.5	40.0	23.57	1.02	963.4				
				Double, Clear	NW	1.5	6.5	20.0	24.30	1.00	487.1				
				Double, Clear	NW	1.5	6.5	20.0	24.30	1.00	487.1				
				Double, Clear	SW	99.0	6.5	20.0	16.74	2.03	679.9				
				Double, Clear	NW	1.5	4.5	12.0	24.30	1.01	293.5				
				Double, Clear	SW	1.5	6.5	14.0	16.74	1.05	246.2				
				Double, Clear	SE	1.5	6.5	80.0	14.71	1.08	1272.6				
				Double, Clear	SE	6.0	7.3	13.5	14.71	1.76	349.6				
				Double, Clear	SW	1.5	5.5	80.0	16.74	1.07	1435.7				
				Double, Clear	SW	1.5	5.5	24.0	16.74	1.07	430.7				
				Double, Clear	SW	1.5	7.5	36.0	16.74	1.04	623.6				
				As-Built Total:								551.5	11906.1		
				WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	912.0	3.60	3283.2	Frame, Wood, Exterior			13.0	2100.5	3.40		7141.7				
Exterior	2100.5	3.70	7771.9	Frame, Wood, Adjacent			13.0	912.0	3.30		3009.6				
Base Total:		3012.5	11055.1	As-Built Total:				3012.5	10151.3						
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points											
Adjacent	60.0	8.00	480.0	Exterior Insulated				60.0	8.40		504.0				
Exterior	120.0	8.40	1008.0	Adjacent Insulated				60.0	8.00		480.0				
				Exterior Insulated				60.0	8.40		504.0				
Base Total:		180.0	1488.0	As-Built Total:				180.0	1488.0						
CEILING TYPESArea X BWPM = Points				Type R-Value Area X WPM X WCM = Points											
Under Attic	3043.0	2.05	6238.1	Under Attic			30.0	3072.0	2.05 X 1.00		6297.6				
Base Total:		3043.0	6238.1	As-Built Total:				3072.0	6297.6						
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points											
Slab	418.0(p)	8.9	3720.2	Slab-On-Grade Edge Insulation			0.0	418.0(p)	18.80		7858.4				
Raised	0.0	0.00	0.0												
Base Total:		3720.2		As-Built Total:				418.0	7858.4						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Cannon Creek, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
3043.0 -0.59 -1795.4				3043.0 -0.59 -1795.4			
Winter Base Points: 27684.2				Winter As-Built Points: 35906.0			
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
27684.2 0.6274 17369.1				(sys 1: Electric Heat Pump 74000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 35906.0 1.000 (1.069 x 1.169 x 0.93) 0.432 1.000 18012.3 35906.0 1.00 1.162 0.432 1.000 18012.3			

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Cannon Creek, Plat: , , FL,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2635.00		7905.0	40.0	0.93	3		1.00	2606.67
					As-Built Total:					7820.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
15631		17369		7905	40905		11735		18012
									7820
									37568

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Cannon Creek, Plat: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.5

The higher the score, the more efficient the home.

Lagoni, William, Lot: 8, Sub: Cannon Creek, Plat: , , FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 74.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	3043 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: 74.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 551.5 ft ²		HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 551.5 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 418.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 2100.5 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 912.0 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, 3072.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 270.0 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 EnergyStarTM 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: FLR2PB v4.1)



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: **0712-62**

Applicant: Kimmy Edgley
Owner: Bill & Susan Lagoni
Contractor: Edgley Construction
Property Identification # 17-4s-17-08106-108

On the date of December 21, 2007 building permit application number 0712-62 and the submitted plans for construction of a single family dwelling with an attached residential aircraft hanger were reviewed. 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 0712-62 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Codes 2004 only and doesn't make any consideration toward the land use and zoning requirement

1. Residential aircraft hangers maybe attached to single family dwelling provided the requirements of the Florida Building Code chapter four, are met.

These code related requirement are:

412.3.2 Fire separation.

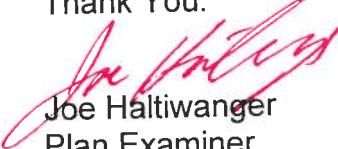
A hanger shall not be attached to a dwelling unless separated by walls having a fire-resistance rating of not less than 1 hour. Such separation shall be continuous from the foundation to the underside of the roof and unpierced except for doors leading to the dwelling unit. Doors into the dwelling unit must be equipped with self-closing devices and conform to the requirements of Section 715 with at least a 4-inch (102 mm) noncombustible raised sill. Openings from a hanger directly into a room used for sleeping purposes shall not be permitted.

Please construct the one hour fire wall which separates the dwelling form the residential aircraft hanger to meet the requirements of section 412.3.2

2. Section 412.3.4 requires smoke detection within the hanger and the required smoke detector shall be interconnected into the residential smoke alarm or other sounding device to provide an alarm that will be audible in all sleeping areas of the dwelling.

Please install at least one smoke detector in the hanger area which will interconnect with the dwelling smoke detectors.

Thank You:

A red ink signature, likely of Joe Haltiwanger, is written over the printed name. The signature is stylized and cursive.

Joe Haltiwanger
Plan Examiner
County Building Department

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

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

Addressing Maintenance

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

DATE REQUESTED: 9/5/2008 **DATE ISSUED:** 9/10/2008

ENHANCED 9-1-1 ADDRESS:

1289 SW SPRUCE RD

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

36-5S-15-00488-065

Remarks:

LOT 15 BLOCK C SPRING HILLS S/D

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

Building Permit# 26570

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

Ins: 200812013551 Date: 7/18/2008 Time: 4:01 PM
 v12 DC, P. DeWitt Cason, Columbia County Page 1 of 1 B:1154 P:2556

PERMIT NO. _____ TAX FOLIO NO. 08106-108

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
 COUNTY OF Columbia

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.

1. Description of property: Lot 8, COUNTRY LANDINGS, according to the map or plat thereof as recorded in Plat Book 6, Page 90 of the public records of Columbia County, Florida
2. General description of improvement: Construction of Dwelling and Hanger
3. Owner information: William A. Lagoni, Trustee of the William A. Lagoni Revocable Trust Agreement dated September 16, 2003
4704 West 81st Place, Indianapolis, IN 48268
 - a. Name and address: _____
 - b. Interest in property: Not Shared
 - c. Name and address of for simple title holder (if other than Owner): NONE
4. Contractor (name and address): Edgley Construction, 590 SW Arlington Blvd, Lake City
5. Surety:
 - a. Name and address: _____
 - b. Amount of bond: _____
6. Lender: FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056
7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL BANK OF FLORIDA, 4705 West U.S. Highway 90 P.O. Box 2029, Lake City, Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified): William A. Lagoni, Trustee of the William A. Lagoni Revocable Trust Agreement dated September 16, 2003
By: [Signature] William A. Lagoni, Trustee

Co-Borrower Name: _____

The foregoing instrument was acknowledged before me this 18th day of July 2008, by William A. Lagoni, who is personally known to me or who has produced driver's license for identification. Trustee of the William A. Lagoni Revocable Trust dated September 16, 2003

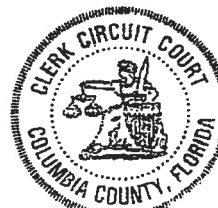
Notary Public
 My Commission Expires: _____



STATE OF FLORIDA, COUNTY OF COLUMBIA
 I HEREBY CERTIFY that the above and foregoing is a true copy of the original filed in this office.
 P. DeWITT CASON, CLERK OF COURTS

By: [Signature]
 Deputy Clerk

Date: 07-18-2008



Permit # 26570
NEW

Residential System Sizing Calculation

Summary

Lagoni Residence

Project Title:
708212bLagoni, William

Class 3 Rating
Registration No. 0
Climate: North

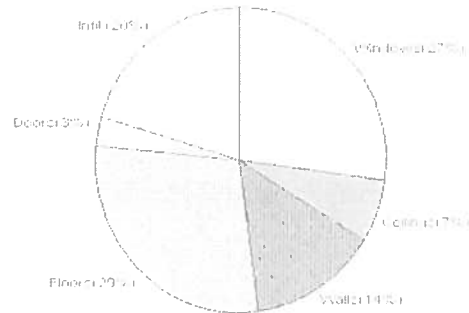
5/28/2008

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	41359 Btuh	Total cooling load calculation	34211 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.5 49000	Sensible (SHR = 0.75)	126.0 36750
Heat Pump + Auxiliary(0.0kW)	118.5 49000	Latent	242.6 12250
		Total (Electric Heat Pump)	118.5 49000

WINTER CALCULATIONS

Winter Heating Load (for 2324 sqft)

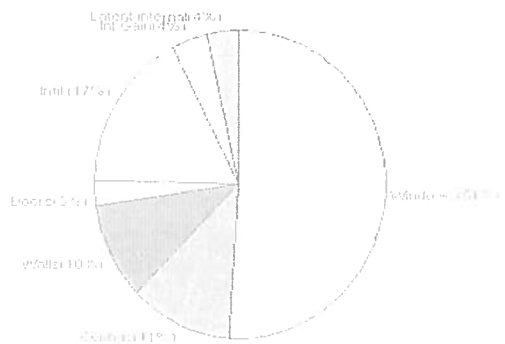
Load component		Load	
Window total	353 sqft	11347	Btuh
Wall total	1740 sqft	5713	Btuh
Door total	100 sqft	1295	Btuh
Ceiling total	2340 sqft	2757	Btuh
Floor total	274 sqft	11963	Btuh
Infiltration	205 cfm	8284	Btuh
Duct loss		0	Btuh
Subtotal		41359	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		41359	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2324 sqft)

Load component		Load	
Window total	353 sqft	17463	Btuh
Wall total	1740 sqft	3501	Btuh
Door total	100 sqft	980	Btuh
Ceiling total	2340 sqft	3875	Btuh
Floor total		0	Btuh
Infiltration	105 cfm	1961	Btuh
Internal gain		1380	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		29161	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		3850	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		5050	Btuh
TOTAL HEAT GAIN		34211	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

5-28-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Lagoni Residence

Project Title:
708212bLagoni,William

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

5/28/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	N	12.0		32.2	386 Btuh
2	2, Clear, Metal, 0.87	E	27.0		32.2	869 Btuh
3	2, Clear, Metal, 0.87	E	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	N	60.0		32.2	1931 Btuh
5	2, Clear, Metal, 0.87	N	20.0		32.2	644 Btuh
6	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
7	2, Clear, Metal, 0.87	S	80.0		32.2	2575 Btuh
8	2, Clear, Metal, 0.87	S	13.5		32.2	435 Btuh
9	2, Clear, Metal, 0.87	W	45.0		32.2	1449 Btuh
10	2, Clear, Metal, 0.87	W	24.0		32.2	773 Btuh
11	2, Clear, Metal, 0.87	W	36.0		32.2	1159 Btuh
Window Total			353(sqft)			11347 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1520		3.3	4990 Btuh
2	Frame - Wood - Adj(0.09)	13.0	220		3.3	722 Btuh
Wall Total			1740			5713 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		40		12.9	518 Btuh
2	Insulated - Exterior		40		12.9	518 Btuh
3	Insulated - Exterior		20		12.9	259 Btuh
Door Total			100			1295Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2340		1.2	2757 Btuh
Ceiling Total			2340			2757Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	274.0 ft(p)		43.7	11963 Btuh
Floor Total			274			11963 Btuh
Zone Envelope Subtotal:						33075 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.66	18592		204.5	8284 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					41359 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Lagoni Residence
, FL

Project Title:
708212bLagoni,William

Class 3 Rating
Registration No. 0
Climate North

5/28/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	41359 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41359 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

Lagoni Residence

Project Title:
708212bLagoni,William

Class 3 Rating
Registration No. 0
Climate: North

. FL

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

5/28/2008

Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh
2	2, Clear, Metal, 0.87	E	27.0	32.2	869 Btuh
3	2, Clear, Metal, 0.87	E	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	N	60.0	32.2	1931 Btuh
5	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
6	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	S	80.0	32.2	2575 Btuh
8	2, Clear, Metal, 0.87	S	13.5	32.2	435 Btuh
9	2, Clear, Metal, 0.87	W	45.0	32.2	1449 Btuh
10	2, Clear, Metal, 0.87	W	24.0	32.2	773 Btuh
11	2, Clear, Metal, 0.87	W	36.0	32.2	1159 Btuh
	Window Total		353(sqft)		11347 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1520	3.3	4990 Btuh
2	Frame - Wood - Adj(0.09)	13.0	220	3.3	722 Btuh
	Wall Total		1740		5713 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		40	12.9	518 Btuh
2	Insulated - Exterior		40	12.9	518 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		100		1295Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2340	1.2	2757 Btuh
	Ceiling Total		2340		2757Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	274.0 ft(p)	43.7	11963 Btuh
	Floor Total		274		11963 Btuh
	Zone Envelope Subtotal:				33075 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	18592	204.5	8284 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				41359 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Lagoni Residence

Project Title:
708212bLagoni,William

Class 3 Rating
Registration No. 0
Climate: North

5/28/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	41359 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41359 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

Lagoni Residence

Project Title:
708212bLagoni,William

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

5/28/2008

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	2, Clear, 0.87, None,N,N	N	1.5ft	4.5ft	12.0	0.0	12.0	29	29	348	Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft	7.33	27.0	2.6	24.4	29	80	2013	Btuh
3	2, Clear, 0.87, None,N,N	E	1.5ft	5.5ft	20.0	3.0	17.0	29	80	1440	Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft	5.5ft	60.0	0.0	60.0	29	29	1738	Btuh
5	2, Clear, 0.87, None,N,N	N	1.5ft	5.5ft	20.0	0.0	20.0	29	29	579	Btuh
6	2, Clear, 0.87, None,N,N	E	1.5ft	5.5ft	15.0	2.2	12.8	29	80	1080	Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft	5.5ft	80.0	80.0	0.0	29	34	2317	Btuh
8	2, Clear, 0.87, None,N,N	S	6ft.	7.33	13.5	13.5	0.0	29	34	391	Btuh
9	2, Clear, 0.87, None,N,N	W	1.5ft	5.5ft	45.0	6.7	38.3	29	80	3239	Btuh
10	2, Clear, 0.87, None,N,N	W	1.5ft	4.5ft	24.0	4.5	19.5	29	80	1682	Btuh
11	2, Clear, 0.87, None,N,N	W	1.5ft	6.5ft	36.0	4.5	31.5	29	80	2637	Btuh
Window Total					353 (sqft)					17463 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1519.5		2.1		3169 Btuh		
2	Frame - Wood - Adj	13.0/0.09			220.0		1.5		332 Btuh		
Wall Total					1740 (sqft)					3501 Btuh	
Doors	Type	R-Value			Area (sqft)		HTM		Load		
1	Insulated - Adjacent				40.0		9.8		392 Btuh		
2	Insulated - Exterior				40.0		9.8		392 Btuh		
3	Insulated - Exterior				20.0		9.8		196 Btuh		
Door Total					100 (sqft)					980 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			2340.0		1.7		3875 Btuh		
Ceiling Total					2340 (sqft)					3875 Btuh	
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			274 (ft(p))		0.0		0 Btuh		
Floor Total					274.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										25820 Btuh	
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load		
	SensibleNatural	0.34			18592		105.4		1961 Btuh		
Internal gain	Occupants				Btuh/occupant		Appliance		Load		
		6			X 230 +		0		1380 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										29161 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Lagoni Residence

Project Title:
708212b Lagoni, William

Class 3 Rating
Registration No. 0
Climate: North

5/28/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	29161 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	29161 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	29161 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3850 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5050 Btuh
	TOTAL GAIN	34211 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

Lagoni Residence

Project Title:
708212bLagoni,William

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

5/28/2008

Component Loads for Zone #1: Main

Window	Type*	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	N	1.5ft	4.5ft	12.0	0.0	12.0	29	29	348 Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft	7.33	27.0	2.6	24.4	29	80	2013 Btuh
3	2, Clear, 0.87, None,N,N	E	1.5ft	5.5ft	20.0	3.0	17.0	29	80	1440 Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft	5.5ft	60.0	0.0	60.0	29	29	1738 Btuh
5	2, Clear, 0.87, None,N,N	N	1.5ft	5.5ft	20.0	0.0	20.0	29	29	579 Btuh
6	2, Clear, 0.87, None,N,N	E	1.5ft	5.5ft	15.0	2.2	12.8	29	80	1080 Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft	5.5ft	80.0	80.0	0.0	29	34	2317 Btuh
8	2, Clear, 0.87, None,N,N	S	6ft	7.33	13.5	13.5	0.0	29	34	391 Btuh
9	2, Clear, 0.87, None,N,N	W	1.5ft	5.5ft	45.0	6.7	38.3	29	80	3239 Btuh
10	2, Clear, 0.87, None,N,N	W	1.5ft	4.5ft	24.0	4.5	19.5	29	80	1682 Btuh
11	2, Clear, 0.87, None,N,N	W	1.5ft	6.5ft	36.0	4.5	31.5	29	80	2637 Btuh
Window Total					353 (sqft)					17463 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		1519.5		2.1		3169 Btuh		
2	Frame - Wood - Adj	13.0/0.09		220.0		1.5		332 Btuh		
Wall Total				1740 (sqft)				3501 Btuh		
Doors	Type			Area (sqft)		HTM		Load		
1	Insulated - Adjacent			40.0		9.8		392 Btuh		
2	Insulated - Exterior			40.0		9.8		392 Btuh		
3	Insulated - Exterior			20.0		9.8		196 Btuh		
Door Total				100 (sqft)				980 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0		2340.0		1.7		3875 Btuh		
Ceiling Total				2340 (sqft)				3875 Btuh		
Floors	Type	R-Value		Size		HTM		Load		
1	Slab On Grade	0.0		274 (ft(p))		0.0		0 Btuh		
Floor Total				274.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										25820 Btuh
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural	0.34		18592		105.4		1961 Btuh		
Internal gain	Occupants	Btuh/occupant		Appliance		Load				
	6	X 230 +		0		1380 Btuh				
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00	0.0 Btuh	
Sensible Zone Load										29161 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Lagoni Residence

Project Title:
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WHOLE HOUSE TOTALS

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For Florida residences only

Residential Window Diversity

MidSummer

Lagoni Residence
, FL

Project Title:
708212bLagoni,William

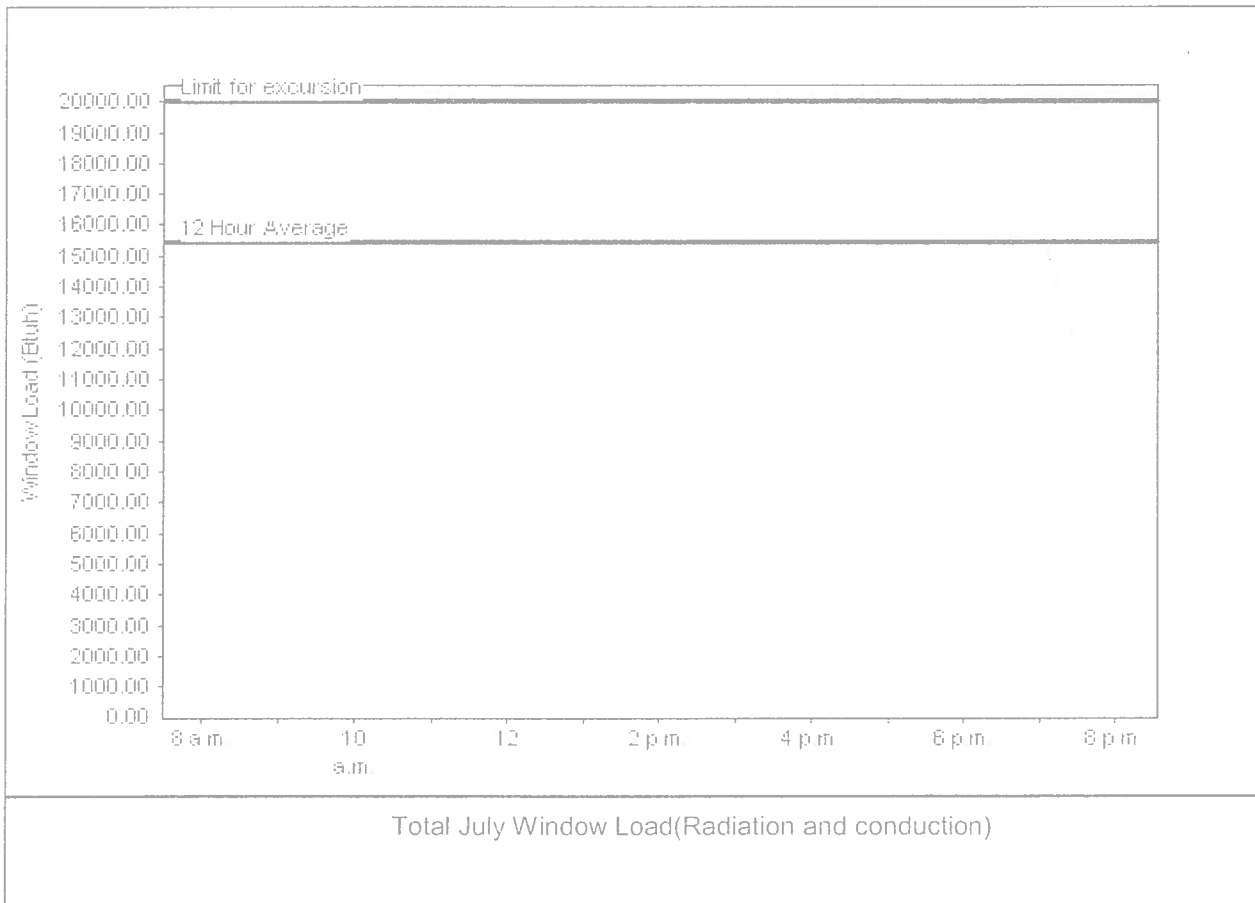
Class 3 Rating
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Climate: North

5/28/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	15416 Btu
Summer setpoint	75 F	Peak window load for July	21711 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	20041 Btu
Latitude	29 North	Window excursion (July)	1670 Btuh

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

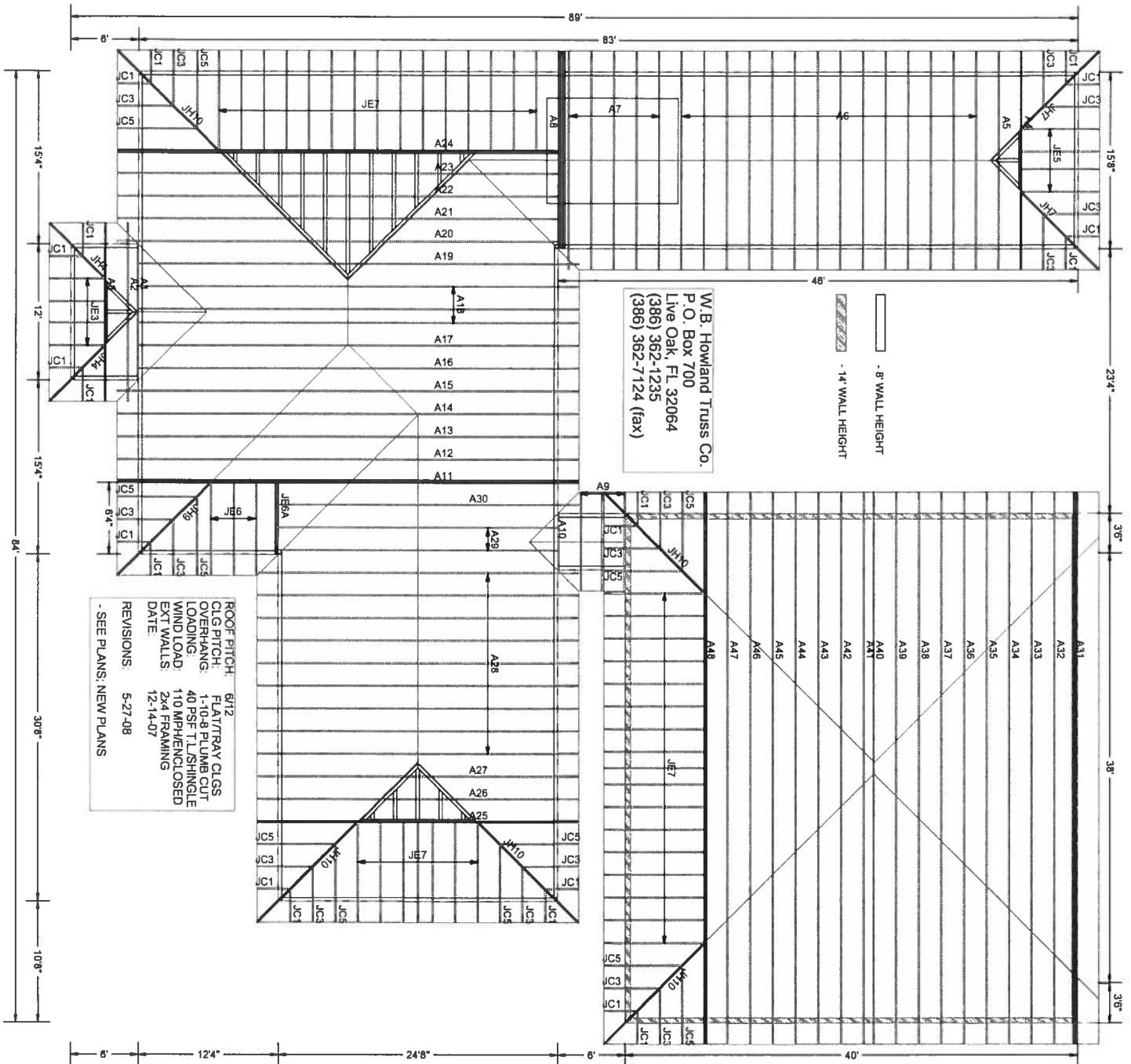
PREPARED BY:

DATE: 5-28-08

EnergyGauge® FLR2PB v4.1



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)



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