

Columbia County Building Permit Application

CK# 4200
1130-42

WAIVER \$60
CK# 4201

For Office Use Only Application # 0712-44 Date Received 12/13/07 By GT Permit # 1507/26568
 Zoning Official BLK Date 12.12.07 Flood Zone XPTA FEMA Map # N/A Zoning PRD
 Land Use Res Low D Elevation N/A MFE 118.3 River N/A Plans Examiner OKJH Date 1-2-07
 Comments per plot Elevation Confirmation Letter Required

☒ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 07-0414 Fax 752-2282
 Name Authorized Person Signing Permit Melanie or Linda Roder Phone 386-623-7829
 Address 387 SW Kemp Ct, Lake City, FL 32024
 Owners Name Westfield Construction Group Phone 755-0808
 911 Address 782 SW Rosemary pl, Lake City, FL 32024
 Contractors Name Aaron Simque Homes Phone _____
 Address P O Box 2183, Lake City, FL 32056
 Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Will Myers/Nick Greisk
 Mortgage Lenders Name & Address Millennium Bank - Gainesville, FL
 Circle the correct power company FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 03-45-16-02731-138 Estimated Cost of Construction 220,000
 Subdivision Name Preserve at Laurel Lake Lot 138 Block _____ Unit 1 Phase _____
 Driving Directions 90 W. TL on CR 2528, TR into The Preserves, On SW Road 2nd lot on left. after SW Maple pl.
 Number of Existing Dwellings on Property 0

Construction of SFD Total Acreage .27 Lot Size _____
☒ you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 25'-0"
 Actual Distance of Structure from Property Lines - Front 28'-9" Side 10'-0" Side 10'-0" Rear 30'-0"
 Number of Stories 1 Heated Floor Area 3173 Total Floor Area 4041 Roof Pitch 10/12

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 laws regulating construction in this jurisdiction.

*Spoke to Linda
1/2/08*

Columbia County Building Permit Application

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:


YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.



Owners Signature

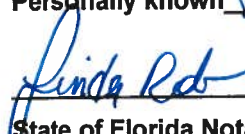
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.



Contractor's Signature (Permitee)

Contractor's License Number BB 29603130
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 12 day of Dec 2007
Personally known ☒ or Produced Identification _____



State of Florida Notary Signature (For the Contractor)

SEAL


Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Notice of Authorization

I, Aaron Simque, do hereby authorize Melanie Roder or Linda Roder,

To be my representative and act on my behalf in all aspects of applying for a

Building permit to be located in Columbia County.



Contractor's signature

12/13/07
Date

Sworn and subscribed before me this 12 day of Dec, 2007


Notary Public

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Personally known ☒ _____
Produced ID (Type): _____

07-372

THIS INSTRUMENT WAS PREPARED BY:

Melissa Jay Murphy, Esquire
Salter, Feiber, Murphy,
Hutson & Menet, P.A.
P. O. Box 357399
Gainesville, FL 32635-7399

Inst: 200712026522 Date: 12/3/2007 Time: 10:37 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 3

NOTICE OF COMMENCEMENT

THE UNDERSIGNED, hereby gives notice that improvements 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 (legal description and street address if available): **SEE EXHIBIT "A"**

Street address:

2. General description of improvements: Construction of single family homes.

3. Owner information:

a. Name and Address: Westfield Construction Group, LLC
426 SW Commerce Drive, Suite 130
Gainesville, Florida 32056

b. Interest in Property: **FEE SIMPLE**

c. Name and Address of fee simple title holder (if other than owner): N/A.

4. Contractor (Name and Address): Aaron Simque c/o Aaron Simque Homes, Inc.
P.O. Box 2183
Lake City, Florida 32056
Phone number: 386-867-0692

5. Surety

a. Name and Address and phone number:

b. Amount of Bond: \$ NA

6. Lender (Name and Address): Millennium Bank
4340 Newberry Road
Gainesville, Florida 32607
Phone number: 352-335-0999

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes (Name and Address):

Phone number:

8. In addition to himself, Owner designates N/A to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes. Phone number of person or entity designated by owner:

9. Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified): _____

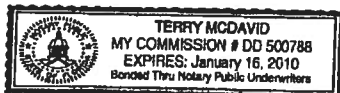
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR THE IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.




Signature of Owner or Owner's Authorized Officer/Director, Partner/Manager

The foregoing instrument was acknowledged before me this 28th day of November, 2007 by _____ Such person(s):

- () is/are personally known to me.
() produced a current Florida Driver's license as identification.
() produced _____ as identification.



(SEAL)


Print Name: Terry McDavid
Notary Public, State of Florida
My Commission Expires:
Serial Number, if any: _____

VERIFICATION PURSUANT TO SECTION 95.525, FLORIDA STATUTES

Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

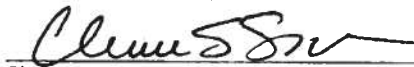

Signature of person signing above

EXHIBIT "A"

Lots 135 and 138, PRESERVE AT LAUREL LAKE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 9, Pages 18-25, public records of Columbia County, Florida.

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: 11/30/2007 DATE ISSUED: 12/2/2007

ENHANCED 9-1-1 ADDRESS:

782 SW ROSEMARY DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

03-4S-16-02731-138

Remarks:

LOT 138 PRESERVE AT LAUREL LAKE UNIT 1.

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

1040

DEC 02 2007

911Addressing/GIS Dept

07-372

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:200712026517 Date: 12/3/2007 Time: 10:37 AM

Doc Stamp-Deed:2096.50

DC, P DeWitt Cason, Columbia County Page 1 of 2

Property Appraiser's
Identification Number Part of R 02732-003

WARRANTY DEED

This Warranty Deed, made this 28th day of November, 2007, BETWEEN RESIDENTIAL DEVELOPMENT GROUP, LLC, A Florida Limited Liability Company, whose post office address is Post Office Box 3659, Lake City, FL 32056-3659, of the County of Columbia, State of Florida, grantor*, and WESTFIELD CONSTRUCTION GROUP, LLC, A Florida Limited Liability Company whose Document No. is L07000094484, whose EIN No. is [REDACTED] and whose post office address is Post Office Box 3566, Lake City, FL 32056-3566, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lots 125, 127, 133, 135 and 138, PRESERVE AT LAUREL LAKE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 9, Pages 18-25 of the public records of Columbia County, Florida.

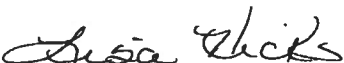
Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

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

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

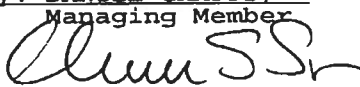
Signed, sealed and delivered
in our presence:


(Signature of First Witness)
Lisa Chicks
(Typed Name of First Witness)


(Signature of Second Witness)
Terry McDavid
(Typed Name of Second Witness)

RESIDENTIAL DEVELOPMENT GROUP,
LLC


 (SEAL)
Grantor
By: DANIEL CRAPPS,
Managing Member

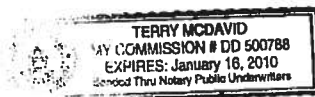
 (SEAL)
Grantor
By: CHARLES S. SPARKS,
Managing Member

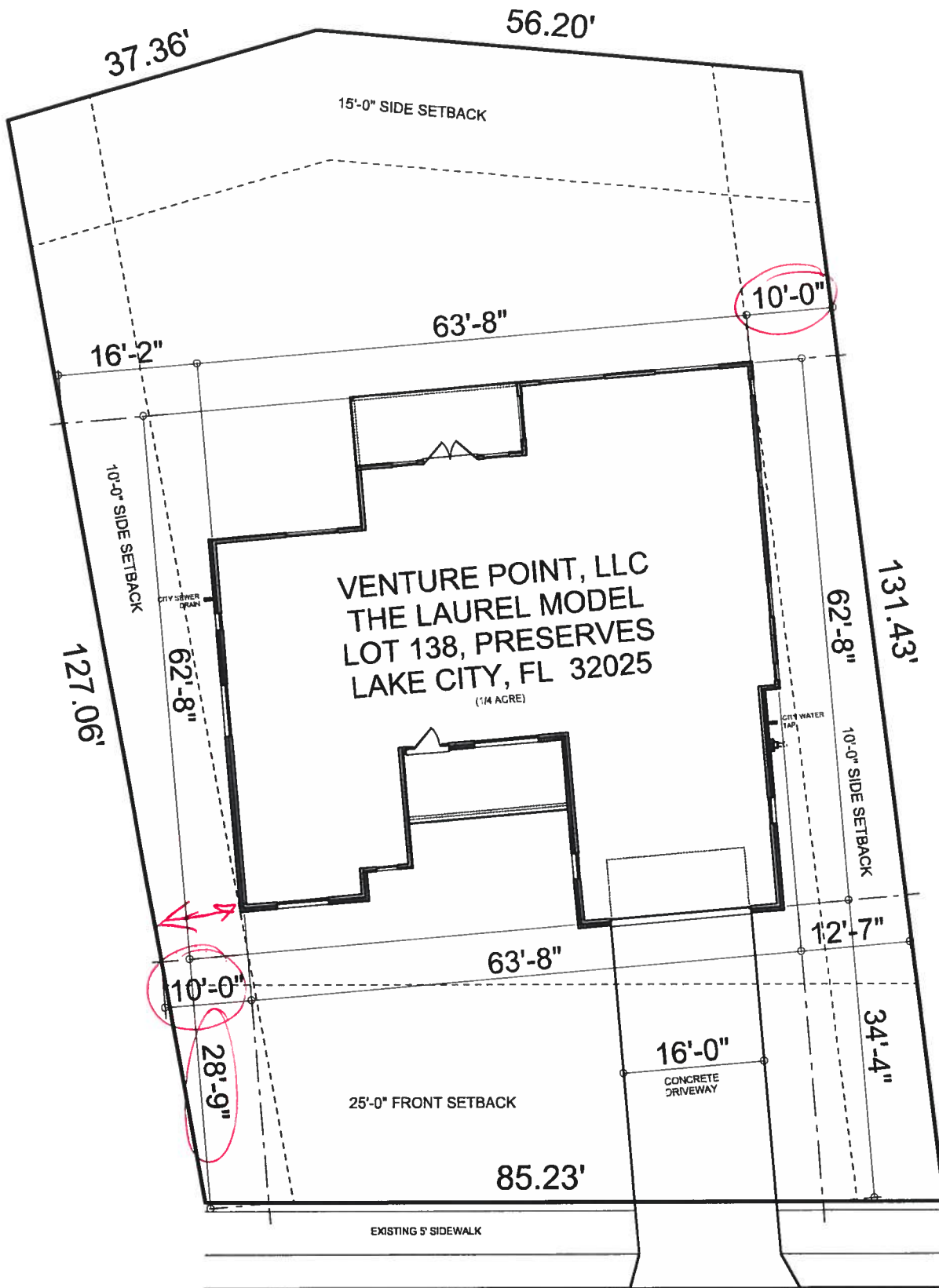
STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 28th
day of November, 2007, by DANIEL CRAPPS and CHARLES S. SPARKS, as
Managing Members of RESIDENTIAL DEVELOPMENT GROUP, LLC, A Florida
Limited Liability Company, who are personally known to me and who
did not take an oath.

My Commission Expires:


Notary Public
Printed, typed, or stamped name:





SW ROSEMARY DRIVE

FROM :

FRX NO. : 386-755-7022

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 755-7024
FAX (904) 755-7022
LAKELAND, FLORIDA 33805
904 NW Main Blvd.

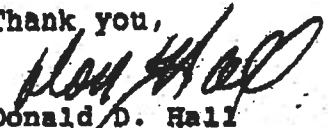
June 12, 2002

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:	Venture Point LLC - Laurel Model	Builder:	Aaron Simque Homes
Address:	Lot: 138, Sub: The Preserves, Plat:	Permitting Office:	Lake City
City, State:	Lake City, FL 32025-	Permit Number:	26568
Owner:	Spec/Model Home	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 65.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	5	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	3173 ft²		
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: 65.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 430.9 ft²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 430.9 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 300.0(p) ft	a. Electric Resistance	Cap: 80.0 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, 2036.1 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 189.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
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, 3300.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 65.0 ft		
b. N/A			

Glass/Floor Area: 0.14

Total as-built points: 40040

Total base points: 41782

PASS

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

PREPARED BY: _____

DATE: 11/28/07

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: 138, Sub: The Preserves, Plat: , Lake City, 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	3173.0	18.59	10617.0	1.Double, Clear	W	1.5	9.0	30.0	38.52	0.97	1121.0
				2.Double, Clear	W	9.5	11.0	42.0	38.52	0.56	910.0
				3.Double, Clear	W	9.5	11.0	40.0	38.52	0.56	867.0
				4.Double, Clear	W	9.5	11.0	6.3	38.52	0.56	137.0
				5.Double, Clear	S	20.8	11.0	35.0	35.87	0.45	569.0
				6.Double, Clear	W	1.5	11.0	52.5	38.52	0.99	1994.0
				7.Double, Clear	W	1.5	11.0	37.5	38.52	0.99	1424.0
				8.Double, Clear	N	1.5	9.0	8.0	19.20	0.98	149.0
				9.Double, Clear	N	1.5	9.0	16.0	19.20	0.98	299.0
				10.Double, Clear	N	1.5	9.0	6.0	19.20	0.98	112.0
				11.Double, Clear	E	9.5	11.0	30.0	42.06	0.55	696.0
				12.Double, Clear	E	9.5	11.0	13.3	42.06	0.55	309.0
				13.Double, Clear	E	1.5	9.0	6.3	42.06	0.97	254.0
				14.Double, Clear	E	1.5	9.0	30.0	42.06	0.97	1223.0
				15.Double, Clear	S	1.5	9.0	30.0	35.87	0.94	1015.0
				16.Double, Clear	S	1.5	9.0	6.0	35.87	0.94	203.0
				17.Double, Clear	E	1.5	8.0	30.0	42.06	0.96	1208.0
				18.Double, Clear	E	1.5	8.0	12.0	42.06	0.96	483.0
				As-Built Total:				430.9		12973.0	
WALL TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM		= Points		
Adjacent	189.0	0.70	132.3	1. Frame, Wood, Exterior	13.0		2036.1	1.50	3054.1		
Exterior	2036.1	1.70	3461.4	2. Frame, Wood, Adjacent	13.0		189.0	0.60	113.4		
Base Total:		2225.1	3593.7	As-Built Total:		2225.1		3167.5			
DOOR TYPES		Area X BSPM = Points		Type			Area X SPM		= Points		
Adjacent	18.0	2.40	43.2	1.Exterior Insulated			20.0	4.10	82.0		
Exterior	20.0	6.10	122.0	2.Adjacent Insulated			18.0	1.60	28.8		
Base Total:		38.0	165.2	As-Built Total:		38.0		110.8			
CEILING TYPES		Area X BSPM = Points		Type	R-Value		Area X SPM X SCM		= Points		
Under Attic	3173.0	1.73	5489.3	1. Under Attic	30.0		3300.0	1.73 X 1.00	5709.0		
Base Total:		3173.0	5489.3	As-Built Total:		3300.0		5709.0			

ADDRESS: Lot: 138, Sub: The Preserves, Plat: , Lake City, FL, 32025- PERMIT #:

BASE				AS-BUILT			
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points	
Slab	300.0(p)	-37.0	-11100.0	1. Slab-On-Grade Edge Insulation	5.0	300.0(p)	-10860.0
Raised	0.0	0.00	0.0				
Base Total:			-11100.0	As-Built Total:		300.0	-10860.0
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
3173.0 10.21 32396.3				3173.0 10.21 32396.3			
Summer Base Points: 41161.5				Summer As-Built Points: 43496.7			
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
41161.5	0.3250		13377.5	(sys 1: Central Unit 65000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 43497 1.00 (1.09 x 1.147 x 1.00) 0.260 0.950 13432.1 43496.7 1.00 1.250 0.260 0.950 13432.1			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 138, Sub: The Preserves, Plat: , Lake City, 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	3173.0	20.17	11520.0	1.Double, Clear	W	1.5	9.0	30.0	20.73	1.01	626.0
				2.Double, Clear	W	9.5	11.0	42.0	20.73	1.15	1002.0
				3.Double, Clear	W	9.5	11.0	40.0	20.73	1.15	955.0
				4.Double, Clear	W	9.5	11.0	6.3	20.73	1.15	151.0
				5.Double, Clear	S	20.8	11.0	35.0	13.30	3.48	1621.0
				6.Double, Clear	W	1.5	11.0	52.5	20.73	1.00	1092.0
				7.Double, Clear	W	1.5	11.0	37.5	20.73	1.00	780.0
				8.Double, Clear	N	1.5	9.0	8.0	24.58	1.00	196.0
				9.Double, Clear	N	1.5	9.0	16.0	24.58	1.00	393.0
				10.Double, Clear	N	1.5	9.0	6.0	24.58	1.00	147.0
				11.Double, Clear	E	9.5	11.0	30.0	18.79	1.25	703.0
				12.Double, Clear	E	9.5	11.0	13.3	18.79	1.25	312.0
				13.Double, Clear	E	1.5	9.0	6.3	18.79	1.02	119.0
				14.Double, Clear	E	1.5	9.0	30.0	18.79	1.02	572.0
				15.Double, Clear	S	1.5	9.0	30.0	13.30	1.02	408.0
				16.Double, Clear	S	1.5	9.0	6.0	13.30	1.02	81.0
				17.Double, Clear	E	1.5	8.0	30.0	18.79	1.02	574.0
				18.Double, Clear	E	1.5	8.0	12.0	18.79	1.02	229.0
				As-Built Total:				430.9	9961.0		
WALL TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	189.0	3.60	680.4	1. Frame, Wood, Exterior	13.0		2036.1	3.40		6922.7	
Exterior	2036.1	3.70	7533.6	2. Frame, Wood, Adjacent	13.0		189.0	3.30		623.7	
Base Total:				As-Built Total:		2225.1		7546.4			
DOOR TYPES											
Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	18.0	11.50	207.0	1.Exterior Insulated			20.0	8.40		168.0	
Exterior	20.0	12.30	246.0	2.Adjacent Insulated			18.0	8.00		144.0	
Base Total:				As-Built Total:		38.0		312.0			
CEILING TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	3173.0	2.05	6504.6	1. Under Attic	30.0		3300.0	2.05 X 1.00		6765.0	
Base Total:				As-Built Total:		3300.0		6765.0			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 138, Sub: The Preserves, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM = Points		
Slab	300.0(p)	8.9	2670.0	1. Slab-On-Grade Edge Insulation	5.0	300.0(p)	7.60	2280.0
Raised	0.0	0.00	0.0					
Base Total:				As-Built Total:		300.0		2280.0
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
	3173.0	-0.59	-1872.1			3173.0	-0.59	-1872.1
Winter Base Points: 27489.5				Winter As-Built Points: 24992.4				
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Heating Points
27489.5		0.5540	15229.2	(sys 1: Electric Heat Pump 65000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 24992.4	1.000	(1.069 x 1.169 x 1.00)	0.443	0.950 13139.7
				24992.4	1.00	1.250	0.443	0.950 13139.7

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 138, Sub: The Preserves, Plat: , Lake City, 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

Spec/Model Home, Lot: 138, Sub: The Preserves, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 65.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	5	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	3173 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: 65.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 430.9 ft ²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 430.9 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=5.0, 300.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 80.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 2036.1 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 189.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	PT,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 3300.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 65.0 ft		
b. N/A			

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

Builder Signature: _____

Date: _____

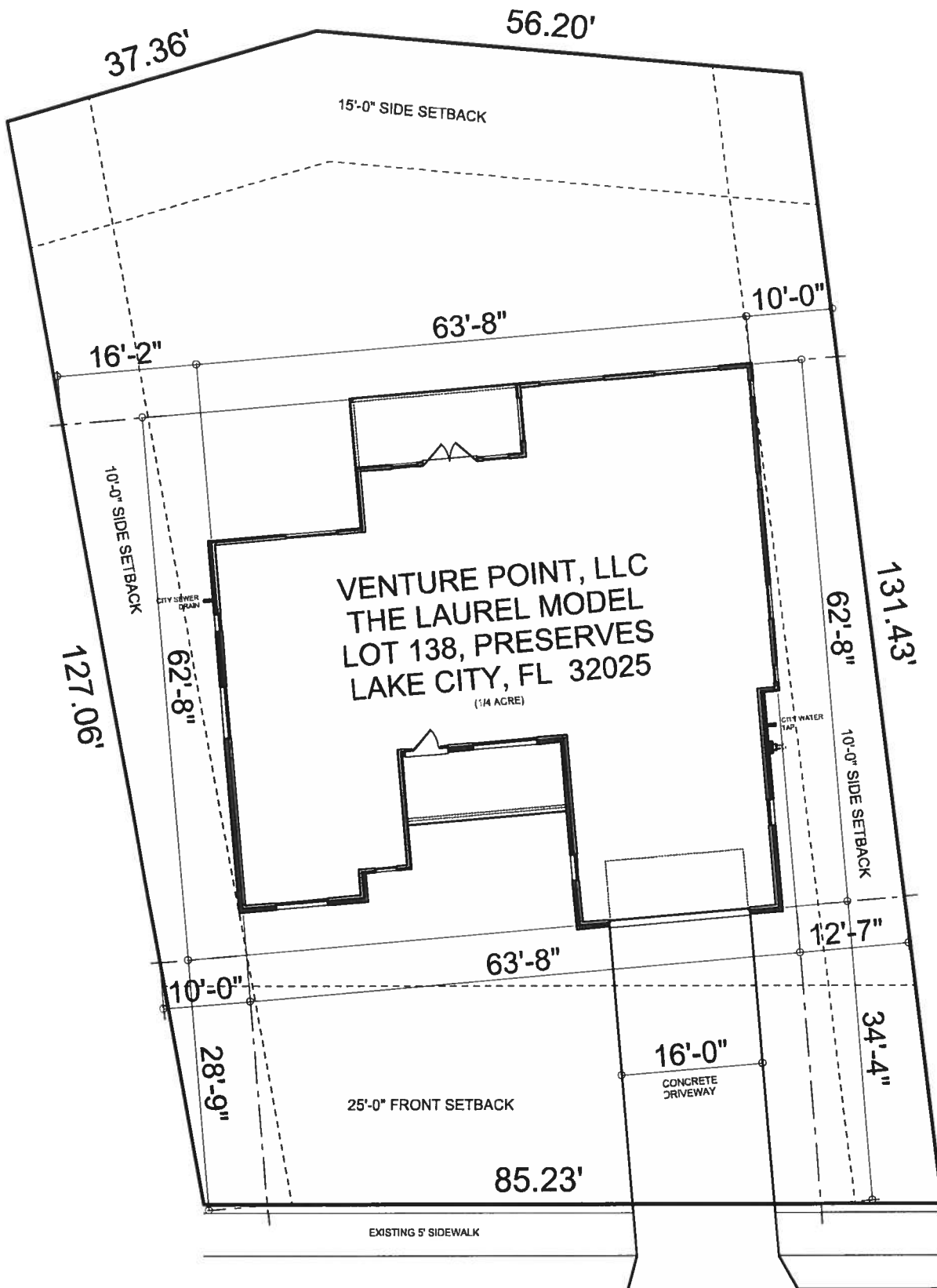
Address of New Home: _____

City/FL Zip: _____



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)



SCALE: 1" = 20'

SW ROSEMARY DRIVE

07-372

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:200712026517 Date:12/3/2007 Time:10:37 AM

Doc Stamp-Deed:2096.50

DC, P DeWitt Cason, Columbia County Page 1 of 2

Property Appraiser's
Identification Number Part of R 02732-003

WARRANTY DEED

This Warranty Deed, made this 28th day of November, 2007, BETWEEN RESIDENTIAL DEVELOPMENT GROUP, LLC, A Florida Limited Liability Company, whose post office address is Post Office Box 3659, Lake City, FL 32056-3659, of the County of Columbia, State of Florida, grantor*, and WESTFIELD CONSTRUCTION GROUP, LLC, A Florida Limited Liability Company whose Document No. is L07000094484, whose EIN No. is [REDACTED] and whose post office address is Post Office Box 3566, Lake City, FL 32056-3566, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lots 125, 127, 133, 135 and 138, PRESERVE AT LAUREL LAKE, UNIT 1, a subdivision according to the plat thereof as recorded in Plat Book 9, Pages 18-25 of the public records of Columbia County, Florida.


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 subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

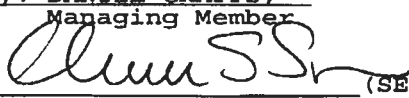
Signed, sealed and delivered
in our presence:


(Signature of First Witness)
Lisa Hicks
(Typed Name of First Witness)


(Signature of Second Witness)
Terry McDavid
(Typed Name of Second Witness)

RESIDENTIAL DEVELOPMENT GROUP,
LLC


 (SEAL)
Grantor
By: DANIEL CRAPPS,
Managing Member

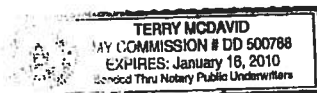
 (SEAL)
Grantor
By: CHARLES S. SPARKS,
Managing Member

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 28th
day of November, 2007, by DANIEL CRAPPS and CHARLES S. SPARKS, as
Managing Members of RESIDENTIAL DEVELOPMENT GROUP, LLC, A Florida
Limited Liability Company, who are personally known to me and who
did not take an oath.

My Commission Expires:


Notary Public
Printed, typed, or stamped name:



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: 11/30/2007 DATE ISSUED: 12/2/2007

ENHANCED 9-1-1 ADDRESS:

782 SW ROSEMARY DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

03-4S-16-02731-138

Remarks:

LOT 138 PRESERVE AT LAUREL LAKE UNIT 1.

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

1040

DEC 02 2007

911Addressing/GIS Dept

Residential System Sizing Calculation

Summary

Spec/Model Home

Project Title:
Venture Point LLC - Laurel Model

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

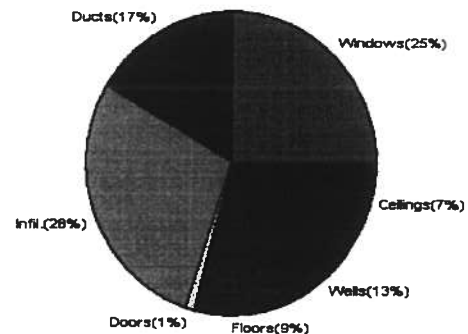
11/28/2007

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	54982 Btuh	Total cooling load calculation	78473 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.2 65000	Sensible (SHR = 0.75)	78.5 48750
Heat Pump + Auxiliary(0.0kW)	118.2 65000	Latent	99.3 16250
		Total (Electric Heat Pump)	82.8 65000

WINTER CALCULATIONS

Winter Heating Load (for 3173 sqft)

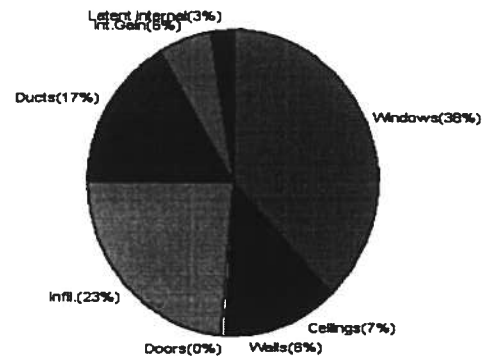
Load component		Load
Window total	431 sqft	13871 Btuh
Wall total	2225 sqft	7307 Btuh
Door total	38 sqft	492 Btuh
Ceiling total	3300 sqft	3889 Btuh
Floor total	300 sqft	4906 Btuh
Infiltration	381 cfm	15423 Btuh
Duct loss		9093 Btuh
Subtotal		54982 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		54982 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3173 sqft)

Load component		Load
Window total	431 sqft	29955 Btuh
Wall total	2225 sqft	4532 Btuh
Door total	38 sqft	372 Btuh
Ceiling total	3300 sqft	5465 Btuh
Floor total		0 Btuh
Infiltration	333 cfm	6201 Btuh
Internal gain		4700 Btuh
Duct gain		10876 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		62101 Btuh
Latent gain(ducts)		2197 Btuh
Latent gain(infiltration)		12176 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		2000 Btuh
Total latent gain		16373 Btuh
TOTAL HEAT GAIN		78473 Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 11/28/07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec/Model Home

Project Title:

Code Only

Venture Point LLC - Laurel Model

Professional Version

Lake City, FL 32025-

Climate: North

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

11/28/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	42.0		32.2	1352 Btuh
3	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
4	2, Clear, Metal, 0.87	W	6.3		32.2	204 Btuh
5	2, Clear, Metal, 0.87	S	35.0		32.2	1127 Btuh
6	2, Clear, Metal, 0.87	W	52.5		32.2	1690 Btuh
7	2, Clear, Metal, 0.87	W	37.5		32.2	1207 Btuh
8	2, Clear, Metal, 0.87	N	8.0		32.2	258 Btuh
9	2, Clear, Metal, 0.87	N	16.0		32.2	515 Btuh
10	2, Clear, Metal, 0.87	N	6.0		32.2	193 Btuh
11	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
12	2, Clear, Metal, 0.87	E	13.3		32.2	429 Btuh
13	2, Clear, Metal, 0.87	E	6.3		32.2	201 Btuh
14	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
15	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
16	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
17	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
18	2, Clear, Metal, 0.87	E	12.0		32.2	386 Btuh
Window Total			431(sqft)			13871 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2036		3.3	6687 Btuh
2	Frame - Wood - Adj(0.09)	13.0	189		3.3	621 Btuh
Wall Total			2225			7307 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Adjacent		18		12.9	233 Btuh
Door Total			38			492Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3300		1.2	3889 Btuh
Ceiling Total			3300			3889Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	300.0	ft(p)	16.4	4906 Btuh
Floor Total			300			4906 Btuh
Envelope Subtotal:						30465 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80	28557	2225	380.8	15423 Btuh
Ductload	(DLM of 0.198)					9093 Btuh
All Zones	Sensible Subtotal All Zones					54982 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec/Model Home

Project Title:

Code Only

Lake City, FL 32025-

Venture Point LLC - Laurel Model

Professional Version

Climate: North

11/28/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	54982 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	54982 Btuh

EQUIPMENT

1. Electric Heat Pump	#	65000 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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec/Model Home

Project Title:

Code Only

Lake City, FL 32025-

Venture Point LLC - Laurel Model

Professional Version

Climate: North

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

11/28/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	42.0		32.2	1352 Btuh
3	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
4	2, Clear, Metal, 0.87	W	6.3		32.2	204 Btuh
5	2, Clear, Metal, 0.87	S	35.0		32.2	1127 Btuh
6	2, Clear, Metal, 0.87	W	52.5		32.2	1690 Btuh
7	2, Clear, Metal, 0.87	W	37.5		32.2	1207 Btuh
8	2, Clear, Metal, 0.87	N	8.0		32.2	258 Btuh
9	2, Clear, Metal, 0.87	N	16.0		32.2	515 Btuh
10	2, Clear, Metal, 0.87	N	6.0		32.2	193 Btuh
11	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
12	2, Clear, Metal, 0.87	E	13.3		32.2	429 Btuh
13	2, Clear, Metal, 0.87	E	6.3		32.2	201 Btuh
14	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
15	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
16	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
17	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
18	2, Clear, Metal, 0.87	E	12.0		32.2	386 Btuh
Window Total			431(sqft)			13871 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2036		3.3	6687 Btuh
2	Frame - Wood - Adj(0.09)	13.0	189		3.3	621 Btuh
Wall Total			2225			7307 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Adjacent		18		12.9	233 Btuh
Door Total			38			492 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	3300		1.2	3889 Btuh
Ceiling Total			3300			3889 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	300.0 ft(p)		16.4	4906 Btuh
Floor Total			300			4906 Btuh
Zone Envelope Subtotal:						30465 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		Load
	Natural	0.80	28557	2225	380.8	15423 Btuh
Ductload						9093 Btuh
Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.198)						
Zone #1						
Sensible Zone Subtotal						54982 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec/Model Home

Project Title:

Code Only

Lake City, FL 32025-

Venture Point LLC - Laurel Model

Professional Version

Climate: North

11/28/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	54982 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	54982 Btuh

EQUIPMENT

1. Electric Heat Pump	#	65000 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec/Model Home

Project Title:

Code Only

Lake City, FL 32025-

Venture Point LLC - Laurel Model

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

11/28/2007

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	W	1.5ft	9ft.	30.0	0.0	30.0	29	80	2385	Btuh	
2	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	42.0	23.3	18.7	29	80	2161	Btuh	
3	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	40.0	21.3	18.7	29	80	2103	Btuh	
4	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	6.3	0.0	6.3	29	80	503	Btuh	
5	2, Clear, 0.87, None,N,N	S	20.8	11ft.	35.0	35.0	0.0	29	34	1014	Btuh	
6	2, Clear, 0.87, None,N,N	W	1.5ft	11ft.	52.5	0.0	52.5	29	80	4175	Btuh	
7	2, Clear, 0.87, None,N,N	W	1.5ft	11ft.	37.5	0.0	37.5	29	80	2982	Btuh	
8	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	8.0	0.0	8.0	29	29	232	Btuh	
9	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	16.0	0.0	16.0	29	29	463	Btuh	
10	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	29	29	174	Btuh	
11	2, Clear, 0.87, None,N,N	E	9.5ft	11ft.	30.0	14.4	15.6	29	80	1656	Btuh	
12	2, Clear, 0.87, None,N,N	E	9.5ft	11ft.	13.3	7.1	6.2	29	80	701	Btuh	
13	2, Clear, 0.87, None,N,N	E	1.5ft	9ft.	6.3	0.0	6.3	29	80	497	Btuh	
14	2, Clear, 0.87, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	29	80	2385	Btuh	
15	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	30.0	30.0	0.0	29	34	869	Btuh	
16	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	6.0	6.0	0.0	29	34	174	Btuh	
17	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh	
18	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	12.0	0.0	12.0	29	80	954	Btuh	
Excursion										4141	Btuh	
Window Total					431 (sqft)					29955	Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load			
1	Frame - Wood - Ext	13.0/0.09		2036.1			2.1		4247 Btuh			
2	Frame - Wood - Adj	13.0/0.09		189.0			1.5		285 Btuh			
Wall Total					2225 (sqft)					4532	Btuh	
Doors	Type			Area (sqft)			HTM		Load			
1	Insulated - Exterior			20.0			9.8		196 Btuh			
2	Insulated - Adjacent			18.0			9.8		176 Btuh			
Door Total					38 (sqft)					372	Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle	30.0		3300.0			1.7		5465 Btuh			
Ceiling Total					3300 (sqft)					5465	Btuh	
Floors	Type	R-Value		Size			HTM		Load			
1	Slab On Grade	5.0		300 (ft(p))			0.0		0 Btuh			
Floor Total					300.0 (sqft)					0	Btuh	
Envelope Subtotal:										40324	Btuh	
Infiltration	Type	ACH		Volume(cuft)			wall area(sqft)	CFM=		Load		
	SensibleNatural	0.70		28557			2225	380.8		6201 Btuh		
Internal gain		Occupants		Btuh/occupant			Appliance		Load			
		10		X 230			+		2400		4700 Btuh	
Sensible Envelope Load:										51225	Btuh	
(DGM of 0.212)										10876	Btuh	
Duct load												
Sensible Load All Zones										62101	Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec/Model Home

Project Title:

Code Only

Lake City, FL 32025-

Venture Point LLC - Laurel Model

Professional Version

Climate: North

11/28/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	51225 Btuh
	Sensible Duct Load	10876 Btuh
	Total Sensible Zone Loads	62101 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	62101 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	12176 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2197 Btuh
	Latent occupant gain (10 people @ 200 Btuh per person)	2000 Btuh
	Latent other gain	0 Btuh
	Latent total gain	16373 Btuh
	TOTAL GAIN	78473 Btuh

EQUIPMENT

1. Central Unit	#	65000 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec/Model Home

Project Title:

Code Only

Lake City, FL 32025-

Venture Point LLC - Laurel Model

Professional Version

Climate: North

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

11/28/2007

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	2, Clear, 0.87, None,N,N	W	1.5ft	9ft.	30.0	0.0	30.0	29	80	2385	Btuh
2	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	42.0	23.3	18.7	29	80	2161	Btuh
3	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	40.0	21.3	18.7	29	80	2103	Btuh
4	2, Clear, 0.87, None,N,N	W	9.5ft	11ft.	6.3	0.0	6.3	29	80	503	Btuh
5	2, Clear, 0.87, None,N,N	S	20.8	11ft.	35.0	35.0	0.0	29	34	1014	Btuh
6	2, Clear, 0.87, None,N,N	W	1.5ft	11ft.	52.5	0.0	52.5	29	80	4175	Btuh
7	2, Clear, 0.87, None,N,N	W	1.5ft	11ft.	37.5	0.0	37.5	29	80	2982	Btuh
8	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	8.0	0.0	8.0	29	29	232	Btuh
9	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	16.0	0.0	16.0	29	29	463	Btuh
10	2, Clear, 0.87, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	29	29	174	Btuh
11	2, Clear, 0.87, None,N,N	E	9.5ft	11ft.	30.0	14.4	15.6	29	80	1656	Btuh
12	2, Clear, 0.87, None,N,N	E	9.5ft	11ft.	13.3	7.1	6.2	29	80	701	Btuh
13	2, Clear, 0.87, None,N,N	E	1.5ft	9ft.	6.3	0.0	6.3	29	80	497	Btuh
14	2, Clear, 0.87, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	29	80	2385	Btuh
15	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	30.0	30.0	0.0	29	34	869	Btuh
16	2, Clear, 0.87, None,N,N	S	1.5ft	9ft.	6.0	6.0	0.0	29	34	174	Btuh
17	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh
18	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	12.0	0.0	12.0	29	80	954	Btuh
Window Total					431 (sqft)					25814 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			2036.1			2.1		4247 Btuh	
2	Frame - Wood - Adj	13.0/0.09			189.0			1.5		285 Btuh	
Wall Total					2225 (sqft)					4532 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				20.0			9.8		196 Btuh	
2	Insulated - Adjacent				18.0			9.8		176 Btuh	
Door Total					38 (sqft)					372 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			3300.0			1.7		5465 Btuh	
Ceiling Total					3300 (sqft)					5465 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	5.0			300 (ft(p))			0.0		0 Btuh	
Floor Total					300.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										36184 Btuh	
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural	0.70			28557			2225		333.2	
Internal gain		Occupants			Btuh/occupant			Appliance		Load	
		10			X 230			+		2400	
Sensible Envelope Load:										47084 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.212)								9997 Btuh		
Sensible Zone Load										57081 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec/Model Home

Project Title:

Code Only

Lake City, FL 32025-

Venture Point LLC - Laurel Model

Professional Version

Climate: North

11/28/2007

The following window Excursion will be assigned to the system loads:

Windows	July excursion for System 1	Excursion Subtotal:	4141 Btuh 4141 Btuh
Duct load			879 Btuh
		Sensible Excursion Load	5020 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec/Model Home
Lake City, FL 32025-

Project Title:
Venture Point LLC - Laurel Model

Code Only
Professional Version
Climate: North

11/28/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	51225 Btuh
	Sensible Duct Load	10876 Btuh
	Total Sensible Zone Loads	62101 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	62101 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	12176 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2197 Btuh
	Latent occupant gain (10 people @ 200 Btuh per person)	2000 Btuh
	Latent other gain	0 Btuh
	Latent total gain	16373 Btuh
	TOTAL GAIN	78473 Btuh

EQUIPMENT

1. Central Unit	#	65000 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)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Spec/Model Home

Lake City, FL 32025-

Project Title:

Venture Point LLC - Laurel Model

Code Only

Professional Version

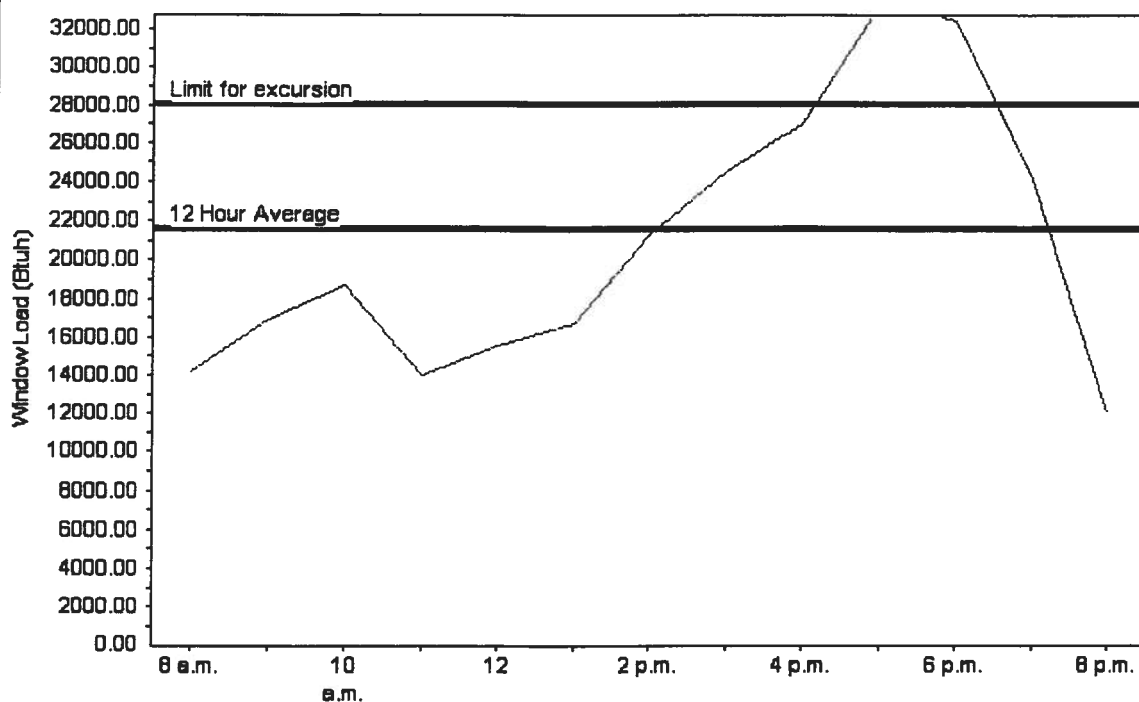
Climate: North

11/28/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	21576 Btu
Summer setpoint	75 F	Peak window load for July	33488 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	28049 Btu
Latitude	29 North	Window excursion (July)	5439 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2

