

Columbia County Building Permit Application

ck#: 2609 #2010 Waiver

For Office Use Only	Application # <u>1103-36</u>	Date Received <u>3/23</u>	By <u>JW</u>	Permit # <u>1881/29274</u>
Zoning Official _____	Date _____	Flood Zone <u>X</u>	Land Use <u>RES. Low Den</u>	Zoning <u>PRD</u>
FEMA Map # <u>N/A</u>	Elevation <u>N/A</u>	MFE <u>114.4</u>	River <u>N/A</u>	Plans Examiner <u>J.C.</u>
Comments <u>Elevation Confirmation Letter at slab</u> <u>City Water - Sewer</u>				
<input checked="" type="checkbox"/> NOC	<input checked="" type="checkbox"/> EH	<input checked="" type="checkbox"/> Deed or PA	<input type="checkbox"/> Site Plan	<input type="checkbox"/> State Road Info
<input type="checkbox"/> Dev Permit # _____	<input type="checkbox"/> In Floodway	<input checked="" type="checkbox"/> Letter of Auth. from Contractor	<input type="checkbox"/> Well letter	<input type="checkbox"/> 911 Sheet
IMPACT FEES: EMS _____ Fire _____ Corr _____			<input type="checkbox"/> Parent Parcel # _____	
Road/Code _____ School _____			<input type="checkbox"/> F W Comp. letter	
= TOTAL (Suspended) _____			<input checked="" type="checkbox"/> Sub VF Form	
			<input checked="" type="checkbox"/> App Fee Paid	

Septic Permit No. CITY UTILITIES Fax 758-8920

Name Authorized Person Signing Permit Bryan Zecher Phone 752-8653

Address PO Box 815 Lake City, FL 32056

Owners Name ARH Models, LLC Phone 752-8653

911 Address 227 SW Bellflower Dr Lake City, FL 32024

Contractors Name Bryan Zecher Homes, Inc Phone 752-8653

Address PO Box 815 Lake City, FL 32056

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Arthur Rubenberg Homes/Mark Disosway

Mortgage Lenders Name & Address N/A

Circle the correct power company FL Power & Light Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 03-45-16-02731-021 Estimated Cost of Construction 130,000⁰⁰

Subdivision Name Preserve @ Laurel Lake Lot 21 Block _____ Unit _____ Phase _____

Driving Directions US 90 W to 252B, T/L go about 1 mile
to the Preserve on right, follow Rosemary Dr
3rd on (L) After Lotus Glen
go to house on left

Number of Existing Dwellings on Property 0

Construction of New Home Total Acreage 1/4 Lot Size 1/4 acre

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 20'

Actual Distance of Structure from Property Lines - Front 30' Side 25' Side 25' Rear 50'

Number of Stories 1 Heated Floor Area 1914 Total Floor Area 2667 Roof Pitch 6/12

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 all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.

Page 1 of 2 (Both Pages must be submitted together.) Revised 1-11

Left a message 3-25-11

spoke to Bryan on 3-25-11

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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.

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.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

? Frank Pizarra, ARH Models (Owners Must Sign All Applications Before Permit Issuance.)
Owners Signature ok per corp documents
**OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.

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 including all application and permit time limitations.

[Signature]
Contractor's Signature (Permitee)

Contractor's License Number CBC 054575
Columbia County
Competency Card Number 853

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24th day of MARCH 2011.

Personally known ☒ or Produced Identification [Signature]

State of Florida Notary Signature (For the Contractor)



**CONSENT RESOLUTION
OF THE SOLE MEMBER OF
ARH MODELS, LLC**

Arthur Rutenberg, being the sole Member of ARH Models, LLC pursuant to Florida Statutes 608.4231, hereby adopts the following resolutions:

RESOLVED, that the following person is elected as an officer of the Company with the corresponding effective date:

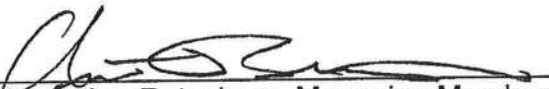
Frank J. Pizzica	Vice President	October 12, 2010
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RESOLVED FURTHER, that the following named persons are all of the Officers of the Company as of October 12, 2010 and are to hold such offices until they are discharged by the sole Member.

Arthur Rutenberg	President
Frank J. Pizzica	Vice President

Dated: October 12, 2010

ARH Models, LLC


By: Arthur Rutenberg, Managing Member

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: 3/21/2011 DATE ISSUED: 3/21/2011

ENHANCED 9-1-1 ADDRESS:

✓ 227 SW BELLFLOWER DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

03-4S-16-02731-021

Remarks:

LOT 21, PRESERVE AT LAUREL LAKE S/D

Address Issued By: SIGNED: / RONAL N. CROFT
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.



Previous on List Next on List Return To List Entity Name Search Submit

No Name History Events

Detail by Entity Name

Florida Limited Liability Company

ARH MODELS, LLC

Filing Information

Document Number L10000029099
FEI/EIN Number 272119700
Date Filed 03/16/2010
State FL
Status ACTIVE

Effective Date 03/16/2010
Last Event LC AMENDMENT
Event Date Filed 07/30/2010
Event Effective Date NONE

Principal Address

13922 58TH STREET NORTH
CLEARWATER FL 33760 US

Mailing Address

13922 58TH STREET NORTH
CLEARWATER FL 33760 US

Registered Agent Name & Address

BURTON, JOANNE
13922 58TH STREET NORTH
CLEARWATER FL 33760 US

Manager/Member Detail

Name & Address

Title MGRM

RUTENBERG, ARTHUR
13922 58TH STREET NORTH
CLEARWATER FL 33760 US

Annual Reports

Report Year Filed Date 01/21/2011
2011

Document Images

01/21/2011 - ANNUAL REPORT

07/30/2010 - LC Amendment

[View image in PDF format](#)

18.50
139.30
12:00.00

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

File No. 11-33

Property Appraiser's
Parcel Identification No.
R02731-021

Inst: 201112004048 Date: 3/18/2011 Time: 3:12 PM
Doc Stamp Deed: 139.30
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B: 1211 P: 1258

WARRANTY DEED

THIS INDENTURE, made this 16th day of March 2011, BETWEEN RESIDENTIAL DEVELOPMENT GROUP, LLC, a Florida Limited Liability Company, whose post office address is 2806 West US Highway 90, Suite 101, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantor*, and ARH MODELS, LLC, a Florida limited liability company, whose post office address is 13922 58th Street North, Clearwater, FL 33760, grantee*.

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:

Lot 21, 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.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in the presence of:

RESIDENTIAL DEVELOPMENT GROUP, LLC

DeEtte F. Brown
First Witness
DeEtte F. Brown
(Printed Name)

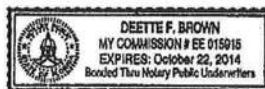
By: Daniel Crapps
Daniel Crapps
Managing Member

Terry McDavid
Second Witness
Terry McDavid
(Printed Name)

STATE OF FLORIDA
COUNTY OF COLUMBIA

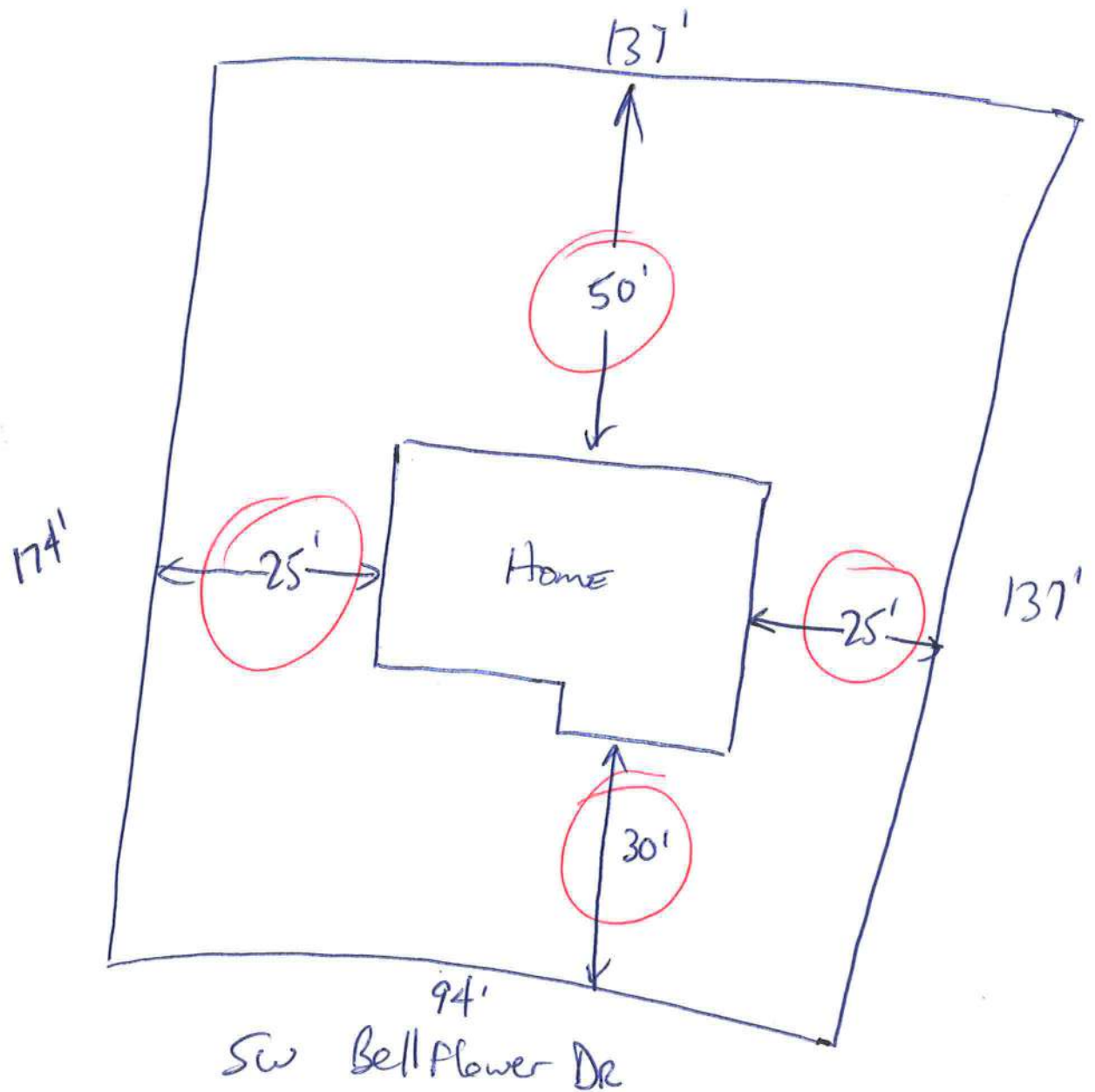
The foregoing instrument was acknowledged before me this 16th day of March 2011, by DANIEL CRAPPS, as Managing Member of RESIDENTIAL DEVELOPMENT GROUP, LLC, a Florida Limited Liability Company, on behalf of the company. He is personally known to me and did not take an oath.

DeEtte F. Brown
Notary Public
My commission expires: _____



SITE PLAN Lot 21

Preserve @ Laurel Lakes





COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIREMENTS

6-25-09

**MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS
with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007
FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL
PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND
SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE
STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE
STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY
DWELLINGS.**

**FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER
FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind
speed map) SHALL BE USED.**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-
Each Box shall be
Circled as
Applicable

		Yes	No	N/A
1	Two (2) complete sets of plans containing the following:	<input checked="" type="checkbox"/>		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	<input checked="" type="checkbox"/>		
3	Condition space (Sq. Ft.) <u>1914</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Total (Sq. Ft.) under roof <u>2667</u>			

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	<input checked="" type="checkbox"/>		
5	Dimensions of all building set backs	<input checked="" type="checkbox"/>		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	<input checked="" type="checkbox"/>		
7	Provide a full legal description of property.	<input checked="" type="checkbox"/>		

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIII	IIII	IIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	✓		
18	Location and size of skylights with Florida Product Approval	✓		
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			✓
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)			✓
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)

<p align="center">GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</p>	<p align="center">Items to Include- Each Box shall be Circled as Applicable</p>
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FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing value of soil <u>1000</u> Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type			✓
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓

45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interior of the areas structural panel sheathing			✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓		
67	Valley framing and support details	✓		
68	Provide dead load rating of rafter system	✓		

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74	Attic space	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75	Exterior wall cavity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76	Crawl space	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
79	Show clothes dryer route and total run of exhaust duct	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81	Show the location of water heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Private Potable Water

82	Pump motor horse power	CITY WATER		
83	Reservoir pressure tank gallon capacity			
84	Rating of cycle stop valve if used			

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		
90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter , Protection device.	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

<p align="center">GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</p>	<p align="center">Items to Include- Each Box shall be Circled as Applicable</p>
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058			✓
95	City of Lake City A permit showing an approved waste water sewer tap	✓		
96	Toilet facilities shall be provided for all construction sites	✓		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓

98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established	✓		
100	A development permit will also be required. Development permit cost is \$50.00			✓
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.	✓		
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1103-36 CONTRACTOR Bryan Zecher PHONE 752-8653
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

<input checked="" type="checkbox"/> ELECTRICAL 76	Print Name <u>Marc Matthews</u> Signature <u>[Signature]</u> License #: <u>ER-0014352</u> Phone #: <u>344-2029</u>
<input checked="" type="checkbox"/> MECHANICAL/ A/C 487	Print Name <u>W.B. LAWTON / Glenn Jones, Inc.</u> Signature <u>[Signature]</u> License #: <u>CAC 051486</u> Phone #: <u>752-5389</u>
<input checked="" type="checkbox"/> PLUMBING/ GAS 736	Print Name <u>BUCK Boyette</u> Signature <u>[Signature]</u> License #: <u>CFCO 21540</u> Phone #: <u>(386) 752-0776</u>
ROOFING	Print Name <u>Mac Johnson</u> Signature <u>(see attached)</u> License #: <u>RC0061384</u> Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name <u>N/A</u> Signature _____ License #: _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name <u>N/A</u> Signature _____ License #: _____ Phone #: _____
SOLAR	Print Name <u>N/A</u> Signature _____ License #: _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
<input checked="" type="checkbox"/> CONCRETE FINISHER	<u>00063</u>	<u>Darrell Spradley</u>	<u>[Signature]</u>
<input checked="" type="checkbox"/> FRAMING <u>853</u>	<u>CBC054575</u>	<u>Bryan Zecher</u>	<u>[Signature]</u>
INSULATION			
STUCCO		<u>N/A</u>	
<input checked="" type="checkbox"/> DRYWALL	<u>000686</u>	<u>Joe Maddox</u>	<u>[Signature]</u>
PLASTER		<u>N/A</u>	
<input checked="" type="checkbox"/> CABINET INSTALLER	<u>CBC054575</u>	<u>Bryan Zecher</u>	<u>[Signature]</u>
<input checked="" type="checkbox"/> PAINTING	<u>000330</u>	<u>Bobby Touchton</u>	<u>[Signature]</u>
ACOUSTICAL CEILING		<u>N/A</u>	
GLASS		<u>N/A</u>	
CERAMIC TILE			
FLOOR COVERING			
<input checked="" type="checkbox"/> ALUM/VINYL SIDING	<u>000166</u>	<u>Mike Nicholson</u>	<u>[Signature]</u>
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1103-36 CONTRACTOR B. Zucchi PHONE 752-8653

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
✓ ALUM/VINYL SIDING	000211	Richard Horn	
GARAGE DOOR	00018	County Line Garage Doors, Inc.	Richard 7/1/09
METAL BLDG ERECTOR			

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SUBCONTRACTOR VERIFICATION FORM

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MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
✓ INSULATION	000240	Sikes Insulation, Inc.	Will Sikes
STUCCO		Will Sikes	
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
✓ GLASS	122	North Florida Glass	Lindy Bennett
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1103-36

CONTRACTOR

Bryan Zecher Const

PHONE

750-8653

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MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
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ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
✓ CABINET INSTALLER	001039	Morrells/PAUL GRIFFITH	Paul Griffith
PAINTING			
ACOUSTICAL CEILING			
GLASS			
✓ CERAMIC TILE	31	Morrells/HERB SPEARS	Herb Spears
✓ FLOOR COVERING	000204	Morrells/RICH MOORE	Rich Moore
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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ATTN: Adrea

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1103-36 CONTRACTOR Bryan Zecher PHONE 752-8653
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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
✓ ROOFING 187	Print Name <u>Mac Johnson Roofing Inc</u> License #: <u>RC 0061384</u>	Signature <u>Mac Johnson</u> Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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Contractor Form; Subcontractor Form: 6/09

386-758-8920

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000844	South Point Masonry, Inc.	Jim Dixon
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL	000345	Kim Heitzman	Kim Heitzman
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 1103003ZecherBryanTheJasmine1130-L-Model
 Street:
 City, State, Zip: Lake City, FL,
 Owner: The Jasmine 1130 - L - Model
 Design Location: FL, Gainesville

Builder Name: Zecher Bryan
 Permit Office:
 Permit Number:
 Jurisdiction: 221000

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft ²)	1914	
7. Windows	Description	Area
a. U-Factor:	DbI, U=0.35	330.00 ft ²
SHGC:	SHGC=0.35	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1914.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1684.50 ft ²
b. Frame - Wood, Adjacent	R=13.0	259.50 ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1914.00 ft ²
b. Knee Wall (Vented)	R=30.0	64.00 ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6,	382.8 ft ²	
12. Cooling systems		
a. Central Unit	Cap: 42.0 kBtu/hr	SEER: 13
13. Heating systems		
a. Electric Heat Pump	Cap: 42.0 kBtu/hr	HSPF: 7.7
14. Hot water systems		
a. Electric	Cap: 40 gallons	EF: 0.92
b. Conservation features		
None		
15. Credits		None

Glass/Floor Area: 0.172

Total As-Built Modified Loads: 32.53

Total Baseline Loads: 40.60

PASS

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

PREPARED BY:

DATE: 3/4/11 EVANBERMSLEY

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

OWNER/AGENT:

DATE: 3/21/11

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:



PROJECT

Title:	1103003ZecherBryanTheJas	Bedrooms:	3	Adress Type:	Lot Information
Building Type:	FLAsBuilt	Conditioned Area:	1914	Lot #	
Owner:	The Jasmine 1130 - L - Model	Total Stories:	1	SubDivision:	The Perserve LL
# of Units:	1	Worst Case:	Yes	PlatBook:	
Builder Name:	Zecher Bryan	Rotate Angle:	270	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	216 ft	0	1914 ft²	0.3	0.3	0.4

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	2141 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1914 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1914 ft²	0.11	Wood
_____	2	Knee Wall (Vented)	30	64 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	477 ft²		0.23	0.75
_____	2	E	Exterior	Frame - Wood	13	495 ft²		0.23	0.75
_____	3	S	Exterior	Frame - Wood	13	297 ft²		0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	415.5 ft²		0.23	0.75
_____	5	S	Garage	Frame - Wood	13	259.5 ft²		0.23	0.01

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Insulated	None	0.400000	24 ft²
_____	2	S	Insulated	None	0.400000	16 ft²
_____	3	S	Insulated	None	0.4	17.77777

WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
_____	1	N=>W	Metal	Low-E Double	Yes	0.35	0.35	N	75 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	2	E=>N	Metal	Low-E Double	Yes	0.35	0.35	N	36 ft²	99 ft 6 in	1 ft 0 in	HERS 2006	None
_____	3	N=>W	Metal	Low-E Double	Yes	0.35	0.35	N	72 ft²	10 ft 8 in	1 ft 0 in	HERS 2006	None
_____	4	W=>S	Metal	Low-E Double	Yes	0.35	0.35	N	18 ft²	99 ft 6 in	1 ft 0 in	HERS 2006	None
_____	5	E=>N	Metal	Low-E Double	Yes	0.35	0.35	N	6 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	6	E=>N	Metal	Low-E Double	Yes	0.35	0.35	N	20 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	7	S=>E	Metal	Low-E Double	Yes	0.35	0.35	N	4 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	8	S=>E	Metal	Low-E Double	Yes	0.35	0.35	N	36 ft²	7 ft 0 in	1 ft 0 in	HERS 2006	None
_____	9	S=>E	Metal	Low-E Double	Yes	0.35	0.35	N	32 ft²	10 ft 3 in	1 ft 6 in	HERS 2006	None
_____	10	S=>E	Metal	Low-E Double	Yes	0.35	0.35	N	12 ft²	7 ft 0 in	1 ft 0 in	HERS 2006	None
_____	11	W=>S	Metal	Low-E Double	Yes	0.35	0.35	N	15 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	12	W=>S	Metal	Low-E Double	Yes	0.35	0.35	N	4 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ----		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
_____	Default	0.00036	1807	6.30	99.2	186.6	0 cfm	0 cfm	0	0

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	423 ft²	423 ft²	54.5 ft	9 ft	(invalid)

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
_____	1	Central Unit	None	SEER: 13	42 kBtu/hr	1260 cfm	0.75	sys#1

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ducts
_____	1	Electric Heat Pump	None	HSPF: 7.7	42 kBtu/hr	sys#1

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

✓	#	Location	---- Supply ---- R-Value	Area	Location	---- Return ---- Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	382.8 ft	Attic	95.7 ft²	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: None

Ceiling Fans:

Cooling	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Venting	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: <div style="text-align: center; margin-top: 5px;">Lake City, FL,</div>	PERMIT #:
--	---------------

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX* = 80

The lower the EnergyPerformance Index, the more efficient the home.

, Lake City, FL,

1. New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family	a. Frame - Wood, Exterior	R=13.0	1684.50 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	259.50 ft ²
4. Number of Bedrooms	3	c. N/A	R=	ft ²
5. Is this a worst case?	Yes	d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1914	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	1914.00 ft ²
a. U-Factor:	DbI, U=0.35	b. Knee Wall (Vented)	R=30.0	64.00 ft ²
SHGC:	SHGC=0.35	c. N/A	R=	ft ²
b. U-Factor:	N/A	11. Ducts		
SHGC:		a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 382.8 ft ²		
c. U-Factor:	N/A	12. Cooling systems		
SHGC:		a. Central Unit	Cap: 42.0 kBtu/hr	
d. U-Factor:	N/A		SEER: 13	
SHGC:		13. Heating systems		
e. U-Factor:	N/A	a. Electric Heat Pump	Cap: 42.0 kBtu/hr	
SHGC:			HSPF: 7.7	
8. Floor Types	Insulation	Area		
a. Slab-On-Grade Edge Insulation	R=0.0	1914.00 ft ²		
b. N/A	R=	ft ²		
c. N/A	R=	ft ²		
		14. Hot water systems		
		a. Electric	Cap: 40 gallons	
			EF: 0.92	
		b. Conservation features		
		None		
		15. Credits		None

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: [Signature] Date: 3/21/11
Address of New Home: 227 SW Bellflower City/FL Zip: Lc, Fl 32024



*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 energygauge.com 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.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Residential System Sizing Calculation

Summary

The Jasmine 1130 - L - Model

Project Title:

1103003ZecherBryanTheJasmine1130-L-Model

Lake City, FL

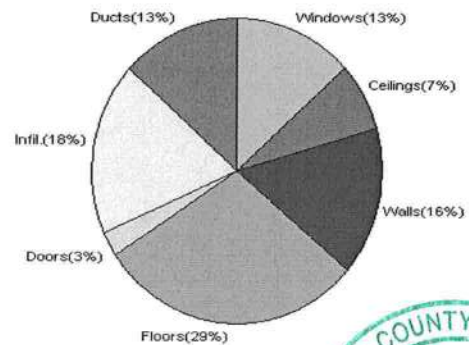
3/4/2011

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature(MJ8 99%)	33 F	Summer design temperature(MJ8 99%)	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	32152 Btuh	Total cooling load calculation	35208 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	130.6 42000	Sensible (SHR = 0.75)	109.8 31500
Heat Pump + Auxiliary(0.0kW)	130.6 42000	Latent	161.2 10500
		Total (Electric Heat Pump)	119.3 42000

WINTER CALCULATIONS

Winter Heating Load (for 1914 sqft)

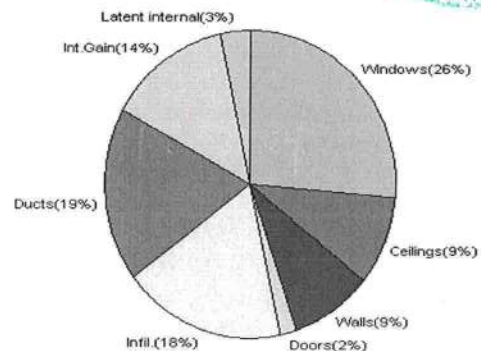
Load component	Load
Window total 330 sqft	4273 Btuh
Wall total 1556 sqft	5111 Btuh
Door total 58 sqft	855 Btuh
Ceiling total 1978 sqft	2331 Btuh
Floor total 1914 sqft	9431 Btuh
Infiltration 144 cfm	5815 Btuh
Duct loss	4336 Btuh
Subtotal	32152 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	32152 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1914 sqft)

Load component	Load
Window total 330 sqft	9320 Btuh
Wall total 1556 sqft	3107 Btuh
Door total 58 sqft	647 Btuh
Ceiling total 1978 sqft	3276 Btuh
Floor total	0 Btuh
Infiltration 115 cfm	2137 Btuh
Internal gain	4780 Btuh
Duct gain	5428 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Blower Load	0 Btuh
Total sensible gain	28694 Btuh
Latent gain(ducts)	1117 Btuh
Latent gain(infiltration)	4197 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	1200 Btuh
Total latent gain	6514 Btuh
TOTAL HEAT GAIN	35208 Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY:

DATE: 3/4/11 EVAN BEAMER

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

The Jasmine 1130 - L - Model

Project Title:

1103003ZecherBryanTheJasmine1130-L-Model

Lake City, FL

Building Type: User

3/4/2011

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)

This calculation is for Worst Case. The house has been rotated 225 degrees.

Component Loads for Whole House							
Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	Load
1	2, NFRC 0.35	Metal	0.35	SW	75.0	12.9	971 Btuh
2	2, NFRC 0.35	Metal	0.35	NW	36.0	12.9	466 Btuh
3	2, NFRC 0.35	Metal	0.35	SW	72.0	12.9	932 Btuh
4	2, NFRC 0.35	Metal	0.35	SE	18.0	12.9	233 Btuh
5	2, NFRC 0.35	Metal	0.35	NW	6.0	12.9	78 Btuh
6	2, NFRC 0.35	Metal	0.35	NW	20.0	12.9	259 Btuh
7	2, NFRC 0.35	Metal	0.35	NE	4.0	12.9	52 Btuh
8	2, NFRC 0.35	Metal	0.35	NE	36.0	12.9	466 Btuh
9	2, NFRC 0.35	Metal	0.35	NE	32.0	12.9	414 Btuh
10	2, NFRC 0.35	Metal	0.35	NE	12.0	12.9	155 Btuh
11	2, NFRC 0.35	Metal	0.35	SE	15.0	12.9	194 Btuh
12	2, NFRC 0.35	Metal	0.35	SE	4.0	12.9	52 Btuh
Window Total					330.0(sqft)		4273 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	306	3.28	1005 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	433	3.28	1422 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	197	3.28	647 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	379	3.28	1243 Btuh
5	Frame - Wood	- Adj	(0.089)	13.0/0.0	242	3.28	794 Btuh
Wall Total					1556(sqft)		5111 Btuh
Doors	Type	Storm	Ueff.		Area	X	Load
1	Insulated - Exterior,	n	(0.400)		24	14.8	355 Btuh
2	Insulated - Exterior,	n	(0.400)		16	14.8	237 Btuh
3	Insulated - Garage,	n	(0.400)		18	14.8	263 Btuh
Door Total					58(sqft)		855Btuh
Ceilings	Type/Color/Surface	Ueff.	R-Value		Area	X	Load
1	Vented Attic/D/Shing	(0.032)	30.0/0.0		1914	1.2	2255 Btuh
2	Knee Wall/D/Shing	(0.032)	30.0/0.0		64	1.2	75 Btuh
Ceiling Total					1978(sqft)		2331Btuh
Floors	Type	Ueff.	R-Value		Size	X	Load
1	Slab On Grade	(1.180)	0.0		216.0 ft(perim.)	43.7	9431 Btuh
Floor Total					1914 sqft		9431 Btuh
Envelope Subtotal:							22001 Btuh
Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=		
	Natural	0.50	17226	1.00	143.6		5815 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)					(DLM of 0.156)	4336 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

The Jasmine 1130 - L - Model

Project Title:

1103003ZecherBryanTheJasmine1130-L-Model

Lake City, FL

Building Type: User

3/4/2011

All Zones	Sensible Subtotal All Zones	32152 Btuh
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WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	32152 Btuh 0 Btuh 32152 Btuh
---------------------------	--	------------------------------------

EQUIPMENT

1. Electric Heat Pump	#	42000 Btuh
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Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)

U - (Window U-Factor)

HTM - (ManualJ Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

The Jasmine 1130 - L - Model

Project Title:

1103003ZecherBryanTheJasmine1130-L-Model

Lake City, FL

3/4/2011

Reference City: Gainesville, FL

Temperature Difference: 17.0F(MJ8 99%)

Humidity difference: 54gr.

This calculation is for Worst Case. The house has been rotated 225 degrees.

Component Loads for Whole House

Window	Type*					Overhang		Window Area(sqft)			HTM		Load	
	Panes	SHGC	U	InSh	IS Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.35, 0.35	No	No	SW	1.5ft	1.0ft	75.0	22.0	53.0	13	31	1937	Btuh
2	2 NFRC	0.35, 0.35	No	No	NW	99.5f	1.0ft	36.0	0.0	36.0	13	29	1061	Btuh
3	2 NFRC	0.35, 0.35	No	No	SW	10.7f	1.0ft	72.0	72.0	0.0	13	31	958	Btuh
4	2 NFRC	0.35, 0.35	No	No	SE	99.5f	1.0ft	18.0	18.0	0.0	13	31	240	Btuh
5	2 NFRC	0.35, 0.35	No	No	NW	1.5ft	1.0ft	6.0	0.0	6.0	13	29	177	Btuh
6	2 NFRC	0.35, 0.35	No	No	NW	1.5ft	1.0ft	20.0	0.0	20.0	13	29	589	Btuh
7	2 NFRC	0.35, 0.35	No	No	NE	1.5ft	1.0ft	4.0	0.0	4.0	13	29	118	Btuh
8	2 NFRC	0.35, 0.35	No	No	NE	7.0ft	1.0ft	36.0	0.0	36.0	13	29	1061	Btuh
9	2 NFRC	0.35, 0.35	No	No	NE	10.3f	1.5ft	32.0	0.0	32.0	13	29	943	Btuh
10	2 NFRC	0.35, 0.35	No	No	NE	7.0ft	1.0ft	12.0	0.0	12.0	13	29	354	Btuh
11	2 NFRC	0.35, 0.35	No	No	SE	1.5ft	1.0ft	15.0	4.4	10.6	13	31	387	Btuh
12	2 NFRC	0.35, 0.35	No	No	SE	1.5ft	1.0ft	4.0	4.0	0.0	13	31	53	Btuh
	Excursion												1442	Btuh
	Window Total							330 (sqft)					9320	Btuh
Walls	Type					U-Value	R-Value	Area(sqft)			HTM		Load	
							Cav/Sheath							
1	Frame - Wood - Ext					0.09	13.0/0.0	306.0			2.1		638 Btuh	
2	Frame - Wood - Ext					0.09	13.0/0.0	433.0			2.1		903 Btuh	
3	Frame - Wood - Ext					0.09	13.0/0.0	197.0			2.1		411 Btuh	
4	Frame - Wood - Ext					0.09	13.0/0.0	378.5			2.1		789 Btuh	
5	Frame - Wood - Adj					0.09	13.0/0.0	241.7			1.5		365 Btuh	
	Wall Total							1556 (sqft)					3107 Btuh	
Doors	Type							Area (sqft)			HTM		Load	
1	Insulated - Exterior							24.0			11.2		269 Btuh	
2	Insulated - Exterior							16.0			11.2		179 Btuh	
3	Insulated - Garage							17.8			11.2		199 Btuh	
	Door Total							58 (sqft)					647 Btuh	
Ceilings	Type/Color/Surface					U-Value	R-Value	Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle					0.032	30.0/0.0	1914.0			1.66		3170 Btuh	
2	Knee Wall/DarkShingle					0.032	30.0/0.0	64.0			1.66		106 Btuh	
	Ceiling Total							1978 (sqft)					3276 Btuh	
Floors	Type						R-Value	Size			HTM		Load	
1	Slab On Grade						0.0	1914 (ft-perimeter)			0.0		0 Btuh	
	Floor Total							1914.0 (sqft)					0 Btuh	
	Envelope Subtotal:												16349 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

The Jasmine 1130 - L - Model

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A

1103003ZecherBryanTheJasmine1130-L-Model

Lake City, FL

3/4/2011

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	SensibleNatural	0.40	17226	1556	143.6	2137 Btuh
Internal gain	Occupants	4	Btuh/occupant	Appliance		Load
			X 230 +	3400		4320 Btuh
	Sensible Envelope Load:					22806 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.233)					5428 Btuh
	Sensible Load All Zones					28234 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

The Jasmine 1130 - L - Model

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A

1103003ZecherBryanTheJasmine1130-L-Model

Lake City, FL

3/4/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	23266 Btuh
	Sensible Duct Load	5428 Btuh
	Total Sensible Zone Loads	28694 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	28694 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4197 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1117 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6514 Btuh
	TOTAL GAIN	35208 Btuh

EQUIPMENT

1. Central Unit	#	42000 Btuh
-----------------	---	------------

*Key: Window types (Panels - Number and type of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value)

(U - Window U-Factor)

(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))

- For Blinds: Assume medium color, half closed

For Draperies: Assume medium weave, half closed

For Roller shades: Assume translucent, half closed

(IS - Insect screen: none(N), Full(F) or Half(½))

(Ornt - compass orientation)

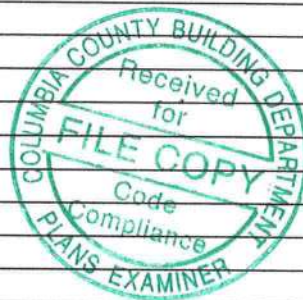


Version 8

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building component listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	MASONIC FIBERGLASS	THERMATRU	FL 4668.1/883
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	VISION/VEATRA	PGT	SH FL 1378.3
B. HORIZONTAL SLIDER	VISION/VEATRA	PGT	PW FL 1385.3
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED	C/I		FL 681/FL 1385-
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING	HARDIPLANK		
B. SOFFITS	ASHLEY ALUMINUM		
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. UNDERLAYMENTS	FELT		FL 1814
C. ROOFING FASTENERS	NAILS		RDM 3378
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF			



SYSTEMS		
L. ROOFING SLATE		
M. CEMENTS-ADHESIVES COATINGS		

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS	N/A		
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS	N/A		
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS	N/A		
A. WOOD CONNECTORS/ ANCHORS			
B. TRUSS PLATES			
C. ENGINEERED LUMBER			
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS	N/A		
A.			
B.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

GERBANO & SONS OF COLUMBIA

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 03-4S-16-02731-021

Building permit No. 000029274

Use Classification SFD, UTILITY

Fire: 12.84

Permit Holder BRYAN ZECHER

Waste: 33.50

Owner of Building ARH MODELS, LLC

Total: 46.34

Location: 227 SW BELLFLOWER DR, LAKE CITY, FL 32024

Date: 08/16/2011

Harry Sticker

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



COLUMBIA COUNTY
OFFICE OF
PERMITS

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

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Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Revised

227 SW Bay Flow

SI. 29274

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

CONTRACTOR

PHONE

386.752.862

Glenn I. Jones, Jr

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C 487	Print Name _____ License #: CA 2051486	Signature <i>W B Santo</i> Phone #: 386 867 0431
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.