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

WX 2173

LEFT MSGI - .

3.29.12

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 COMMENCMENT 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.

OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE 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 including all application and permit time limitations. Contractor's License Number_CBC0545 Contractor's Signature (Permitee) Columbia County Competency Card Number Affirmed under penalty of perjury to by the Contractor and subscribed before me this 15 day of Personally known or Produced Identification SEAL: **DURELLE B. BAILEY** Commission # DD 844065 State of Florida Notary Signature (For the Contractor) Expires December 9, 2012 Bonded Thru Troy Fain Insurance 809-385-7019

(Owners Must Sign All Applications Before Permit Issuance.)

Inst. Number: 201212003988 Book: 1231 Page: 1070 Date: 3/15/2012 Time: 12:23:03 PM Page 1 of 1

P.DeWitt Cason Clerk of Courts, Columbia County, Florida

NOTICE OF COMMENCEMENT	Clerk's Office Stamp
Tax Parcel Identification Number:	Deg201212003987 Date 3/15/2012 Time 12 05 PM
53-45-16-62731-127	DC P DeWitt Cason Columbia Quarty Page 1 of 1 B. 231 P 1059
Florida Statutes, the following information is provided in th	
1. Description of property (legal description): 6 a) Street (job) Address: 143 5 Mo	127 Preserve @Loval Lake Unit 1 ple PL Like List, Fr 32024
3. Owner Information 9) Name and address: Evic Ko h) Name and address of fee simple titleholder (if	ch other than owner) 389 Su Mossy Ork Way LC, Fe 3202
a) Name and address: Brun Land, h) Telephone No.: 752-8653 (5. Surety Information	or Homes Inc Po Box 8Ks lake Chy, fe 32056 396) Fax No. (Opt.)
a) Name and address: NAMA. h) Amount of Bond: c) Telephone No.:	Fax No. (Opt.)
6. Lender a) Name and address:	
a) Name and address:	by owner upon whom notices or other documents may be served:
h) Telephone No	Fax No. (Opt.)
8. In addition to himself, owner designates the following profits 13(I)(b). Florida Statutes: a) Name and address: b) Telephone No.:	Fax No. (Opt.)
 Expiration date of Notice of Commencement (the expiral is specified): 	tion date is one year from the date of recording unless a different date
IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTIMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COM	WHER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED FION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR MENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST SULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING
STATE OF FLORIDA COUNTY OF COLUMBIA 10	Signature of Owner or Owner's Authorized Office/Director/Partner/Wanager ERIC B KOCH Printed Name
The foregoing instrument was acknowledged before me, a Flo	OWNER day of March 20 12 , by:
fact) for ERIC B. K	OCH (name of party on behalf of whom instrument was executed).
Personally Known OR Produced Identification Type	DURFILE B BAILEY
Notary Signature Livelle B. Bailey	Notary Stamp or Sea Time Commission 7 DD 844065 Expires Dacamber 9, 2012 Booded The Tree Feb Insurance 500-385-7319
 Verification pursuant to Section 92.525, Florida Stat the facts stated in it are true to the best of my know 	utes. Under penalties of perjury, declare that I have read the foregoing and that dedge and belief.
	Signature of Natural Person Signing (in line #10 above.)

30046 (Fit only) (BRITT)

Britt Surveying and Mapping, LLC 2086 SW Main Blvd Ste 112 Lake City, FL 32025

04/19/12

Re: Lot 127 Preserve at Laurel Lake Unit 1

To Whom It May Concern:

The finished grade of the slab is found to be 118.69 feet. The minimum floor elevation as shown on the plat of record is 118.30 feet. There is a benchmark set on the SE corner of the electric transformer pad on Lot 127, whose elevation is 118.16 feet.

Sincerely

PLS 5757



30046

IMPORTANT NOTICE TO OWNER

The Labor 10

Discling the construction of your home Florida Peat Control & Charmoni Co. provided treatment for the southest and prevention of auditorranear bornibae.

Conference persons and the secretary because the secretary because the secretary of process the secretary because the secretary because the secretary of the secretary secretary secretary of the secretary se

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BANKING THE T

the remain Carte and

Warranty Deed

This Indenture, made, February 28,2012 A.D.

Between

Westfield Construction Group, LLC, a Florida Limited Liability Company, whose post office address is: 426 SW Commerce Drive, Suite 130, Lake City, FL 32025, Grantor and Eric B. Koch and Yonghi Koch whose post office address is: 389 SW Mossy Oak Way, Lake City, FL 32024, Grantee,

Witnesseth, that the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00), to it in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the following described land, situate, lying and being in the County of Columbia, State of Florida, to wit:

Lot 127, Preserve At Laurel Lake, Unit 1, according to the map or plat thereof, as recorded in Plat Book 9, Page(s) 19, of the Public Records of Columbia County, Florida.

The above described property does not constitute the homestead property of the Grantor described herein.

Subject to taxes for the current year, covenants, restrictions and easements of record, if any.

Parcel Identification Number: 03-4S-16-02731-127

And the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2011.

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

See page 2 for Signatures/Notary

WARRANTY DEED PAGE 2

In Witness Whereof, the said Grantor has caused this instrument to be executed in its name by its duly authorized officer and caused its corporate seal to be affixed the day and year first above written.

		Westfield Construction (Group, LLC	
Signed and Sed	iled in Our Presence:	By: Scott D. Stewart	l. 15	+
4/2m		Its: Manager		
Witness Print Name:	Wabeth Epetus			
Any Wo	Olem			
Witness Print Name:	my Woolum			
State of	Florida			
County of	Columbia			
Constituction Group	ument was acknowledged before me this o, LLC, a Florida Limibted Liability Comown to me or has produced	gary, on behalf of the company	by Scott D. Stewart, the Manage / as identification.	r of Westfield
	Notary Public State of Florida Matthew Rocco My Commission EE036995 Expires 10/24/2014	Notary Public Notary Printed Name: My Commission Exp	Matthew D. Rocco	(Seal)

Prepared by & Return to: Matt Rocco Sierra Title, LLC 419 SW SR 247, Suite 109 Lake City, Florida 32025 File Number: 12-0208

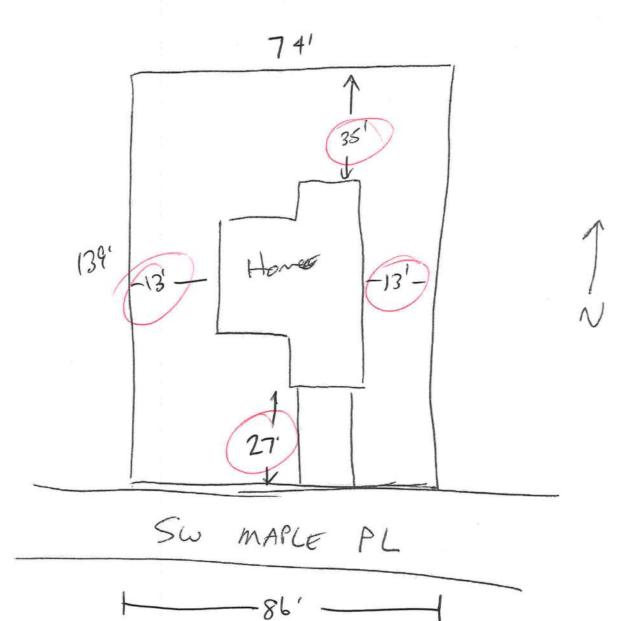
LOT 127 PRESERVE AT LAUREL LAKE INIT 1 WD 1137-900		WESTFIELD CONSTRUCTION	03-48-16-02731-127	2731-127	
DATE TO THE TOTAL OF THE TOTAL		D O BOX 3566 LAKE CITY, FL 32056-3566		PRINTED 3/09/2012 APPR 3/31/2008	2012 8:26 CAKD 001 OF 001 2008 DF
	BATH AE? FIXT BDRM	HTD AREA EFF AREA RCN %GOOD	.000 INDEX 60.599 E-RATE BLDG VAL	3416.00 DIST 3 .000 INDX STR AYB MKT A EYB (PUD1	PUSE 000000 VACANT 3- 4S-16E 000000 VACANT AREA 06 0
RCVR UNTS RCVR UNTS LINTW HGHT RTOR CTTVC	USS WW% HHT TR CA	#FIELD CK: #LOC: 143 MAPLE PL SW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AC H APPR H CNDO H CNDO H SUBD	D .250 14,400 LAND O CLAND O CLASE O METUSE O 14,400 JUST D 14,400 APPR
	NN COO	- #- #- #- #-		† BLK † LOT † MAP# † TXDT	# 002 0 SOHD 0 ASSD 0 EXPT T 002 0 COTXBL
	126479	** ** ** ** **		******	BLDG TRAVERSE
WNDO CLAS CCC UD-9 COCC UD-9 COND SUB A-AREA & E-AREA	-7 -8 -8 -8 SUB VALUE	* * * * * * *		# # # NUMBER #	R DESC AMT ISSUED
		** ** ** ** ** **		# BOOK # 1137 # GRANTOR # GRANTEE	PAGE DATE PRICE 900 11/28/2007 U V 299500 R RESIDENTIAL DEVELOPMENT GROUP LLC E WESTFIELD CONSTRUCTION GROUP LLC
TOTAL			ic	# GRANTOR GRANTEE	ВЯ
CODE	LEN	WID HGHT QTY QL YR ADJ	UNITS UT	PRICE ADJ UT PR	T PR SPCD % %GOOD XFOB VALUE

LAND VALUE 14,400 PRICE ADJ UT PR 14400.000 14400.00 1.000 LT ZONE ROAD {UD1 {UD3 FRONT DEPTH FIELD CK: TOPO UTIL {UD2 {UD4 BACK DT ADJUSTMENTS PRD 0007 1.00 1.00 1.00 1.00 LAND DESC AE CODE Y 000000 VAC RES

SITE PLAN

Lot 127 The Preserve @ Laurel Lake

03-45-16-02731-127



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:

2/29/2012

DATE ISSUED:

3/5/2012

ENHANCED 9-1-1 ADDRESS:

143

SW MAPLE

PL

LAKE CITY

FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

03-4S-16-02731-127

Remarks:

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL. LOT 127 PRESERVE AT LAUREL LAKE UNIT 1

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.

COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST REQUIRMENTS

2010

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

O AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		s to Inclu Box shall circled as applicable	ll be
	Yes	No	N/A

			1 65	110	1 1/12
	(a) 1	no.	/		
1	Two (2) complete sets of plans containing the following	atails that are not used shall be marked void			
2	All drawings must be clear, concise, drawn to scale, d	etails that are not used sharr be marked vota	шшш	ппппп	ШШ
	Condition space (Sq. Ft.) 2229	Total (Sq. Ft.) under roof	1111111		

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

	te Plan information including:	
4	Dimensions of lot or parcel of land	 -
5	Dimensions of all building set backs	
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed	
	well and septic tank and all utility easements.	
7	Provide a full legal description of property.	

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	ШШ	ШП	ппп
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	1		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	1		
11	Wind importance factor and nature of occupancy			
12		V		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally 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	V	1
21	Raised floor surfaces located more than 30 inches above the floor or grade	in	
22	All exterior and interior shear walls indicated	レ	
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			
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		V
28	Identify accessibility of bathroom (see FBCR SECTION 322)	V	

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	/
	Show the required access opening to access the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interest 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		ll be
	n Iwan sa Manasawa (an an a	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 59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas 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	//	
	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	_

NA

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	/	V
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	/	7
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.		

<u>Disclosure Statement for Owner Builders</u> 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.

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Each Box shall be Circled as Applicable
----------------------------------------------------------------	-----------------------------------------------

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	4	1	
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		1	
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		2	
96	Toilet facilities shall be provided for all construction sites		1	34
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			
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 of 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.

Columbia County Building Department

Culvert Waiver No. 000001935

DATE: 04/02/2012 BUILDING PERMIT NO.	30046	000001	935
APPLICANT BRYAN ZECHER	PHONE	386.752.8653	
ADDRESS POB 815	LAKE CITY	FL	32056
OWNER ERIC KOCH	PHONE	860.280.6905	
ADDRESS 143 SW MAPLE PLACE	LAKE CITY	FL	32024
CONTRACTOR BRYAN ZECHER	PHONE	386.752.8653	
LOCATION OF PROPERTY 90-W TO C-252-B,TL TO 1 MILE	E TO PRSERVE,TR IN	ΓΟ PRESERVE AN	D GO TO
1ST. L THEN TO 1ST. R ON MAPLE PLACE AND SITE IS ON R.			
PARCEL ID # 03-48-16-02731-127			
	TH THE HEREIN PR		ATION.
PARCEL ID # 03-4S-16-02731-127 I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WILL SIGNATURE: A SEPARATE CHECK IS REQUIRED	TH THE HEREIN PR	OPOSED APPLIC	ATION.
PARCEL ID # 03-4S-16-02731-127 I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WILL SIGNATURE: A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC	Amount TH THE HEREIN PR Amount THE THE HEREIN PR AMOUNT	Paid 50.0	ATION.

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

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160



SURCONTRACTOR	VERIFICATION	FORM

1203-40

CONTRACTOR B. LECKEN

PHONE \$52.8653

APPLICATION NUMBER _

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 <u>REQUIRED</u> 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		athens	Signature	The second
76	License #:	ER-0014		286	hone #: 386-344-2029
MECHANICAL/	Print Name	Glean J	ones A/C		gas
A/C 481	License #:	CACOSI	1486	Ph	none #: 386-752-5389
PLUMBING/	Print Name		Plumbing	Signature	
GAS	License #:	-		Pł	hone #:
ROOFING	Print Name	Mac J	hisa Lossi	Signature	
	License #:	water w		Pł	hone #:
SHEET METAL	Print Name		1	Signature	
ř.	License #:	70	l A	Pł	hone #:
FIRE SYSTEM/	Print Name	- 4	111	Signature	
SPRINKLER	License#:	/\	IA	Ph	hone #:
SOLAR	Print Name	e	ATIA	Signature	
	License #:	/	I A	Ph	hone #:
Specialty L	icense	License Number	Sub-Contracto	ors Printed Name	Sub-Contractors Signature
MASON			NIA		
CONCRETE FIN	NISHER		Dani Spri	adley	0
FRAMING		001141	Jest Nic		Mushheline
INSULATION		000240	will sike	eS	7-11/100 52
STUCCO			NIA		- 0
DRYWALL		000345		itznan	West
PLASTER			NIA		
CABINET INST	ALLER 53	CBC054575	Good of	roman Byal	al (sex
PAINTING		000330	BobbyT	ouchton'	God -
ACOUSTICAL	CEILING		KIN		1 222
GLASS			NIA		1
CERAMIC TILE	-	CBCOS4575	Bryan T	Cerlo-	RIB.
FLOOR COVER	RING	ч	١		0730h
ALUM/VINYL	SIDING	CC000166	mile N	richelson	Me
GARAGE DOO	R		DD Gar	age Door	
METAL BLDG	ERECTOR		NIA	O .	

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.

Contractor Forms: Subcontractor form: 6/09

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ELECTRICAL	Print Nam	e_marc	matthew	S Signature	Mun	1/11	~
4 76	License #:	ER-60	14352		hone #: 2	411-20	20
/ MECHANICAL/	Print Nam	e Louis	Mocksig		10	7500	49 100 21X
A/C	License #:	CACOS	1486	AMPA INC. P	hone d	Ti Tu	LI SU
PLUMBING/	Print Name	e Bucket	Conste	O TOTAL PROPERTY.	CIE	50	0 001
GAS	License #:				hone #: /2G	D. T. Wall	
ROOFING	Print Name		ohnson		hone #: (384	1 100	-0776
	License #:	RC0061			see att)
SHEET METAL	Print Name		507		hone # 35	1-472	4943
J. I.	License #:	11//1		Signature			
FIRE SYSTEM/	Deies None	N/A			hone #:		
SPRINKLER	Print Name	N/A		Signature			
		MILA		P	hone #:		
SOLAR	Print Name	· N/A		Signature			
	18 00 180 181 1 1 1 1 1 1 1 1 1 1 1 1 1			Pi	hone #:		
Specialty Li	cense	License Number		tors Printed Name	Si	ub-Contracto	ors Signature
					0.7		
MASON	ucusp.	20007		Lower.			Comba
CONCRETE FIN	IISHER	00063	Darrel	1 Spradle			
CONCRETE FIN	IISHER	00063	Darvel S Bryan	1 Spradler Zecher			
CONCRETE FIN	IISHER	00063	Darrel S Bryar Will Si	1 Spradler Zecher			5-h
CONCRETE FIN FRAMING INSULATION STUCCO	IISHER	00063	Darrel S Bryar Will Si NIA	Spradler Zecher			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL	IISHER	00063	Darrel S Bryar Will St NIA	Spradler Zecher			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER		00063	Darrel S Bryar Will St NIA NIA NIA	Spradler Zecher yker			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA		00063 08005457 00240 000646	Darrel S Bryar Will SI NIA NIA NIA S Bryan	1 Spradler Zecher Kes dday Zecher			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA	ALLER	00063	Darrel Bryan Will SI NIA NIA NIA Bobby T	Spradler Zecher yker			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA PAINTING ACOUSTICAL C	ALLER	00063 08005457 00240 000646	Darrel Bryar Will St NIA NIA NIA Bobby T	1 Spradler Zecher Kes dday Zecher			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA PAINTING ACOUSTICAL C GLASS	ALLER	00063 08005451 00240 0006610 080054515	Darrel Bryar Will SI NIA NIA Bobby T NIA NIA	1 Spradler 1 Zecher 1 Kes 1 day 2 day 2 echer ouchton			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA PAINTING ACOUSTICAL C GLASS CERAMIC TILE	ALLER	00063 08005457 00240 000646	Darrel Bryan NIA NIA NIA Bobby T NIA NIA NIA Ron Hu	1 Spradler Zecher Kes dday Zecher			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA PAINTING ACOUSTICAL C GLASS CERAMIC TILE FLOOR COVERI	ALLER EILING	00063 0805451 00240 000666 000330	Darrel Bryan WILLSI NIA NIA Bobby T NIA NIA Ron Hu Mark	I Spradler French Zecher John Mphrey Morer			
CONCRETE FIN FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA PAINTING ACOUSTICAL C GLASS CERAMIC TILE	ALLER EILING ING IDING	00063 0805457 00240 000810 000330	Darrel Bryar Will SI NIA NIA BOBBY T NIA NIA RON HU MAIKE NIKE	1 Spradler 1 Zecher 1 Kes 1 day 2 day 2 echer ouchton			
CONCRETE FINE FRAMING INSULATION STUCCO DRYWALL PLASTER CABINET INSTA PAINTING ACOUSTICAL C GLASS CERAMIC TILE FLOOR COVERI ALUM/VINYL SI	ALLER EILING ING IDING	00063 0805451 00240 000666 000330	Darrel Bryar Will SI NIA NIA BOBBY T NIA NIA RON HU MAIKE NIKE	I Spradler French Zecher John Mphrey Morer			

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11/22/2011 12:09

3867588920

BRYAN ZECHER CONST

SUBCONTRACTOR VERIFICATION FORM	-
11 3500	757

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

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

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turt of that su	Demination o	Sauminia and more			
LECTRICAL		Marc Mod		Signature Phone	1 344 - 2029
MECHANICAL/	Print Name_ License #:		ones	Signature Phone	807-0424
PLUMBING/ GAS 1081	Print Name_ License#:	Control of the second second	griden	SignaturePhone	*: 623-1948
ROOFING	Print Name_ License #:	Mac J. RC 00613	ohrson 84	Signature 1	*: 352-472-4943
SHEET METAL	Print Name_ License #:	NA		SignaturePhone	#:
FIRE SYSTEM/ SPRINKLER	Print Name_ License#:	-N	4	Signature Phone	· *:
SOLAR	Print Name_ License #:	NI	1	SignaturePhone	s #:
Specialty	License	License Number	Sub-Contrac	tors Printed Name	Sub-Contractors Signature
MASON	11				
CONCRETE FI	NISHER	NINCOLCE!	2(2 1	1 (100	(5)
FRAMING					
INSULATION		000240	Sules Br	sulotion (365-)	404)
STUCCO		1954	Ton 1		13)
DRYWALL		600345	Kim He	itran (365-0	163)
PLASTER		NA			
CABINET INS	STALLER		The one	100, 10	12 9/0
PAINTING		006330	Bobby	Rouchton (466-	4680) Deller 3
ACQUSTICA	L CEILING	NA			
GLASS		NIA			*
CERAMIC TI	ILE		MA V		B. A. S. C. A. C.
FLOOR COV	ERING	-7.	pa pa	Town (wown)	
ALUM/VINY	LSIDING	000166	Mike		3-2376) 100
GARAGE DO	OOR	1 3000 48	D+0 C	range Mrs (Ku	M) / Lancintalle
METAL BLD	G ERECTOR	NA			

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SUBCONTRACTOR VERIFICATION FORM

	10,00 %		TOTAL CITIES		
APPLICATION NUMBER _	1203-96	CONTRACTOR B	TECNE	PHONE	752-8652
	THIS FORM MUST BE	SUBMITTED PRIOR TO T	HE ISSUANCE OF A PERMIT	_ FHONE_	

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ELECTRICAL	Print Name Marc Mathews License #:	Signature
MECHANICAL/ A/C	Print Name 6-lem Jones A/C License #: A A B S/ UXG	Signature Phone #:
PLUMBING/ GAS	Print Name Wolf Plumbing License #: CFCO 51621	Signature Phone #: 3 16 - 93 5-06 16
ROOFING	Print Name Me Johnson Roofing License #:	SignaturePhone #:
SHEET METAL	Print NameLicense #:	SignaturePhone #:
FIRE SYSTEM/ SPRINKLER	Print Name_ License#:	SignaturePhone #:
SOLAR	Print Name	SignaturePhone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000000	- Karala	Sub-contractors Signature
CONCRETE FINISHER		,) , , , , ,	1 / 100
FRAMING	CBCOSAS75	Base Zerlan	0
INSULATION	Cocosions	21 1-12 000	
STUCCO		1	WM DL
DRYWALL		· Kin Heitzman (wade)	0101
PLASTER		N/A	Wal film
CABINET INSTALLER	CBC054575	Bryon Zerler	301
PAINTING	000330	Bobby Touchton	Bold
ACOUSTICAL CEILING		ALIA	Deling The
GLASS		N/A	
CERAMIC TILE	CBC054575	Bran Zeher	2/1
FLOOR COVERING	11	isiya cener	The state of the s
ALUM/VINYL SIDING	CB005166	Mike Nichelson	1000
GARAGE DOOR	CB01258205	NO C 0	What I have
METAL BLDG ERECTOR	10000	DD Garage Down	- KWEY SHOW

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Contractor Forms: Subcontractor form: 6/09

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
†3. Liquid Applied Roof Sys			Approval Number(s)
14. Cements-Adhesives -			
Coatings		1	
15. Roof Tile Adhesive			
16. Spray Applied			
Polyurethane Roof			
17. Other			
E. SHUTTERS			
Accordion			
2. Bahama			
Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL			
COMPONENTS			
Wood connector/anchor	USPC	- 1	
2. Truss plates	USFC	archors	F25631-R1
Engineered lumber			
4. Railing			
5. Coolers-freezers			
Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR			
ENVELOPE PRODUCTS		*	
1.			_
2.			
obsite; 1) copy of the production of these pobsite; and certified to comply with,	oroducts, the follot ot approval, 2) the 3) copy of the a	te product approval at plan review owing information must be available ne performance characteristics whe pplicable manufacturers installation removed if approval cannot be de-	ble to the inspector on the nich the product was tested on requirements.
			one of a contract of the contr
		Braz	Zuhr
Contractor or Contractor's Authorized	Agent Signature	Byan Print Name	Zuhv-

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 1202082 Street: City, State, Zip: Lake City, FL, Owner: Koch Design Location: FL, Gainesville		Builder Name: Bryan Zecher Permit Office: Permit Number: Jurisdiction: 22/000	8
 Single family or multiple family Number of units, if multiple family Number of Bedrooms Is this a worst case? Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) Windows(341.0 sqft.) Description U-Factor: Dbl, U=0.30 SHGC: SHGC=0.30 U-Factor: N/A SHGC: U-Factor: N/A SHGC: U-Factor: N/A SHGC: W-Factor: SHGC: U-Factor: SHGC: U-Factor: SHGC: U-Factor: SHGC: SHGC: Area Weighted Average Overhang Depth: Area Weighted Average SHGC: 	New (From Plans) Single-family 1 4 Yes 2229 0 Area 341.00 ft² ft² ft² ft² 20.321 ft. 0.300 ulation Area 0.0 2229.00 ft² ft² ft²	9. Wall Types (2217.8 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 10. Ceiling Types (2325.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A 11. Ducts a. Sup: Attic, Ret: Attic, AH: RoomsInBl 12. Cooling systems a. Central Unit 13. Heating systems a. Electric Heat Pump 14. Hot water systems a. Electric b. Conservation features None 15. Credits	Insulation Area R=13.0 2010.80 ft² R=13.0 207.00 ft² R= ft² R= ft² Insulation Area R=30.0 2325.00 ft² R= ft² R= ft² R= ft² Sock1 6 445.8 kBtu/hr Efficiency 50.0 SEER:13.00 kBtu/hr Efficiency 50.0 HSPF:7.70 Cap: 50 gallons EF: 0.920
Glass/Floor Area: 0.153	Fotal Proposed Modified otal Standard Reference		PASS
I hereby certify that the plans and specification are in compliance with the FCode. PREPARED BY: DATE: I hereby certify that this building, as designed with the Florida Energy Code.	1 Suey	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.	OF THE STATION OF THE

with the Florida Energy Code

OWNER/AGENT:
DATE:

BUILDING OFFICIAL:
DATE:

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure UILD/WG

qualifies as certified factory-sealed in accordance with 403.2.2.1.1.

- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist

WB/L

ANS EXAMINATION Page 1 of 5

				PROJE	СТ						
Title: Building Type: Owner: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	Koch 1	ins)	Bedrooms: Conditioned Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	l Area: s: e: le: ilation:	4 2229 1 Yes 45		Address Ty Lot # Block/Subl PlatBook: Street: County: City, State	Division: C , Zip: L	columbia ake City L ,		
				CLIMA	TE						
√ De	sign Location	TMY Site	IEC Zor		esign Temp 5 % 2.5 %	Int Design		Heating Degree Day		ture	ily Temp Range
FL	., Gainesville	FL_GAINESVILLE	_REGI :	2 3	32 92	70	75	1305.5	5	1	Medium
				BLOCI	KS						
Number	Name	Area	Volume								
1	Block1	2229	20061								
				SPAC	ES						
Number	Name	Area	Volume I	Kitchen	Occupants	Bedrooms	Infil ID) Finishe	ed (Cooled	Heate
1	RoomsInBlock1	2229	20061	Yes	4	4	1	Yes	,	es	Yes
				FLOO	RS						
√ # 1S	Floor Type lab-On-Grade Edge	Space e Insulatio Rooms	Perio	meter ft	R-Value 0	Area 2229 ft²			Tile 0.3	Wood 0.3	Carpet 0.4
				ROO	F						
√ #	Туре	Materials	Roof Area	Gabl Area		Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck	
1	Gable or shed	Composition shin	gles 2493 ft	558 ff	t² Dark	0.96	No	0.9	No	0	26.6
				ATTI	IC						
√ #	Туре	Vent	ilation	Vent Rat	io (1 in)	Area	RBS	IRCC			
1	Full attic	Ve	nted	30	0	2229 ft²	N	N			
				CEILI	NG						
V #	Ceiling Type		Space	R-Valu	ie	Area	Framing	Frac	Т	russ Typ	ре
1	Under Attic (V	/ented)	RoomsInBlock	1 30	2	325 ft ²	0.1	1		Wood	

								WA	LLS								
/		~~~		djace	nt		Space	Cavity	Wid			eight	Area	Sheathing	Framing Fraction	Solar	
V	# (Ornt N		To terior	Wall	Type ne - Wood	RoomsInBlo	R-Value	Ft_ 53		Ft_ 9	In	480.75 ft ²	K-value	0.23	0.75	. Grade
	2	E		terior		ne - Wood	RoomsInBlo		67		9		603 ft ²		0.23	0.75	(
	3	s		terior		ne - Wood	RoomsInBlo		33		9		298.5 ft ²		0.23	0.75	(
	4	w		terior		ne - Wood	RoomsInBlo		69		9		628.5 ft ²		0.23	0.75	(
	5	N		arage		ne - Wood	RoomsInBlo		23		9		207 ft ²		0.23	0.01	(
				_				DO	ORS								
$\sqrt{}$		#		Ornt		Door Type	Space	(1)		Storms		U-Valu	ue Ft	Width In	Height Ft	În	Area
-		1		N		Insulated	RoomsInBloc			None		0.4	3		8		24 ft²
		2		S		Wood	RoomsInBloc			None		0.4600	000 3		8		36 ft²
		3		N		Insulated	RoomsInBloc			None		0.4	3		8		20 ft²
		-							oows								
						Orientation	shown is the	entered ori	entation	(=>) cha	ang	ed to W					
$\sqrt{}$	7	# (Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Storms	;	Area	Over Depth	nang Separation	Int Sha	ide	Screen
		1	Ν	1	Metal	Low-E Double	Yes	0.3	0.3	N		72 ft ²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
		2	Е	2	Metal	Low-E Double	Yes	0.3	0.3	N		18 ft ²	99 ft 6 in	1 ft 6 in	HERS 2	2006	None
		3	N	1	Metal	Low-E Double	Yes	0.3	0.3	N		72 ft ²	10 ft 6 in	0 ft 6 in	HERS 2	2006	None
		4	W	4	Metal	Low-E Double	Yes	0.3	0.3	N		36 ft ²	99 ft 6 in	1 ft 6 in	HERS 2	2006	None
		5	W	4	Metal	Low-E Double	Yes	0.3	0.3	Ν		15 ft ²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
		6	Е	2	Metal	Low-E Double	Yes	0.3	0.3	N		8 ft²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
		7	E	2	Metal	Low-E Double	Yes	0.3	0.3	N		30 ft ²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
		8	s	3	Metal	Low-E Double	Yes	0.3	0.3	N		12 ft ²	8 ft 6 in	2 ft 0 in	HERS 2	2006	None
	-	9	S	3	Metal	Low-E Double	Yes	0.3	0.3	Ν		12 ft ²	12 ft 16 in	1 ft 0 in	HERS 2	2006	None
	- 1	10	S	3	Metal	Low-E Double	Yes	0.3	0.3	Ν		36 ft ²	8 ft 6 in	2 ft 0 in	HERS 2	2006	None
	-	11	S	3	Metal	Low-E Double	Yes	0.3	0.3	N		4 ft ²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
	_	12	W	4	Metal	Low-E Double	Yes	0.3	0.3	N		20 ft ²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
		13	W	4		Low-E Double	Yes	0.3	0.3	N		6 ft²	1 ft 6 in	1 ft 6 in	HERS :	2006	None
								GA	RAGE								
$\sqrt{}$		#		Floo	or Area	Ceili	ng Area	Exposed	Wall Pe	rimeter			Vall Height	Expos	ed Wall In	sulation	
		1		434	.16 ft²	434	.16 ft²		61 ft				9 ft		1		
								INFILT	RATI	ON							
	Sc	оре		1	Method		SLA (CFM 50	ELA		Eql	LA	ACH	AC	H 50		
		paces		Dran	osed SI	Λ 0.	000360	2104.8	115.55		17	.31	0.2771	6.5	2952		

	7.4					HEATI	NG SYS	ГЕМ		4					
V	# Syste	em Type		Subtype	0			Efficiency	Сар	acity			Block	Du	ıcts
		tric Heat Pun	np	None				HSPF: 7.7	50 kE	Btu/hr			1	sys	s#1
						COOL	NG SYS	TEM							
1	# Syste	em Type		Subtype	1		E	Efficiency	Capacity	Air F	low Sh	HR.	Block		ucts
	1 Cent	ral Unit		Split			5	SEER: 13	50 kBtu/hr	1500	cfm 0.	75	1	sy	s#1
					1	HOT W	ATER SY	STEM							
1/	# Sy	stem Type	SubType	Locat	ion	EF	Ca	р	Use	SetPnt		Con	servation	1	
V		ectric	None	Garaç	ge	0.92	50 g	jal	70 gal	120 deg		1	None		
					SOL	AR HOT	WATER	SYSTE	М						
$\sqrt{}$	FSEC					Van de State de La Company					ollector	Stora	_	FEF	
	Cert #	Company Na	ame			System	Model #	Co	ollector Mode	1# /	Area	Volui	ne	I LI	
	None	None									ft²				
							DUCTS							-	
\checkmark	# L	Suppocation R-	oly Value Area	Loca		urn Area	Leaka	де Туре	Air Handler	CFM 25	Percent Leakage		RLF	HV Heat	AC C
	1	Attic	6 445.8 f	t At	tic	111.45	DSE	=0.88	RoomsIn	BI 0.0 cfm	0.00 %	0.00	0.60	1	
						TEMI	PERATU	RES							
Program	nable Therm	ostat: Y			Ce	eiling Fans	3:								
Cooling Heating Venting	[X] Jan [X] Jan [X] Jan	[X] Feb [X] Feb [X] Feb	[X] Mar [X] Mar [X] Mar	X Apr X Apr X Apr	[X] May X] May X] May	X Jun X Jun X Jun	X Jul X Jul Jul	X Aug X Aug X Aug	[X] Se [X] Se [X] Se		Oct Oct Oct	[X] Nov [X] Nov [X] Nov	[X X	De De De
hermosta Schedule		HERS 200	06 Reference	2	3	4	5	6 6	ours 7	8	9	10	11		12
Cooling (V	2400-22	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78		80 78
Cooling (V	VEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78		78 78
leating (\	ND)	AM	66 68	66 68	66 68	66	66 68	68 68	68 68	68 68	68 68	68 68	68 66		68 66
Heating (\		AM PM	68 66 68	68 66 68	68	68 66 68	66 68	68 68	68 68	68 68	68 68	68 68	68		68 66
	V V (_)	Aivi	00		68		00	00	CO	CO	CO	68	66		mm.

Florida Code Compliance Checklist
Florida Department of Business and Professional Regulations Residential Whole Building Performance Method

ADDRESS:	PERMIT #:
Lake City, FL,	

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	
Ducts	403.2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code. Building framing cavities shall not be used as supply ducts.	
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

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 exis	ting	New (From Plans)		9. Wall Types	Insulation R=13.0	Area 2010.80 ft ²
2.	Single family or multiple	family	Single-	family	a. Frame - Wood, Exteriorb. Frame - Wood, Adjacent	R=13.0	207.00 ft ²
3.	Number of units, if multip	ole family	1		c. N/A	R= R=	ft² ft²
4.	Number of Bedrooms		4		d. N/A 10. Ceiling Types	Insulation	100
5.	Is this a worst case?		Yes		a. Under Attic (Vented)	R=30.0	2325.00 ft ²
6.	Conditioned floor area (f	t²)	2229		b. N/A c. N/A	R= R=	ft² ft²
7.	Windows** a. U-Factor: SHGC:	Description Dbl, U=0.30 SHGC=0.30		Area 341.00 ft ²	11. Ducts a. Sup: Attic, Ret: Attic, AH: RoomsInB	ock1	R ft ² 6 445.8
	b. U-Factor: SHGC:	N/A		ft²	12. Cooling systems	kBtu/hr 50.0	Efficiency SEER:13.00
	c. U-Factor: SHGC:	N/A		ft²	a. Central Unit	30.0	GLLIN. 10.00
	d. U-Factor: SHGC:	N/A		ft²	13. Heating systems a. Electric Heat Pump	kBtu/hr 50.0	Efficiency HSPF:7.70
	Area Weighted Average Area Weighted Average		1:	20.321 ft. 0.300			
8.	Floor Types a. Slab-On-Grade Edge b. N/A	Insulation	Insulation R=0.0 R=	Area 2229.00 ft ² ft ²	Hot water systems a. Electric b. Conservation features	Ca	ap: 50 gallons EF: 0.92
	c. N/A		R=	ft²	None		Psta
					15 Credits		PSId

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:

Address of New Home:

143 Sar Nyle R

City/FL 2

LC, PL 3202

*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section 303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

Residential System Sizing Calculation

Summary Project Title:

Koch

1202082

Lake City, FL

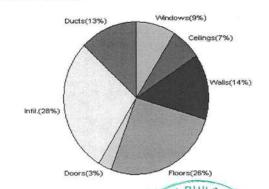
3/15/2012

Location for weather data: Gaine	sville, FL -	Defaults: L	atitude(29.7) Altitude(152 ft.) Tem	p Range(M)	
Humidity data: Interior RH (50%) Outdoor	wet bulb (7	7F) Humidity difference(54gr.)	-C+	
Winter design temperature(MJ8 9	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	41412	Btuh	Total cooling load calculation	42204	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	120.7	50000	Sensible (SHR = 0.75)	119.7	37500
Heat Pump + Auxiliary(0.0kW)	120.7	50000	Latent	114.9	12500
			Total (Electric Heat Pump)	118.5	50000

WINTER CALCULATIONS

Winter Heating Load (for 2229 sqft)

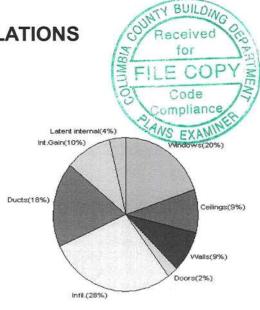
Load component			Load	
Window total	341	sqft	3785	Btuh
Wall total	1797	sqft	5901	Btuh
Door total	80	sqft	1264	Btuh
Ceiling total	2325	sqft	2740	Btuh
Floor total	2229	sqft	10784	Btuh
Infiltration	288	cfm	11680	Btuh
Duct loss			5259	Btuh
Subtotal			41412	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS	551		41412	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2229 sqft)

Load component			Load	
Window total	341	sqft	8341	Btuh
Wall total	1797	sqft	3640	Btuh
Door total	80	sqft	956	Btuh
Ceiling total	2325	sqft	3850	Btuh
Floor total			0	Btuh
Infiltration	216	cfm	4025	Btuh
Internal gain		- 1	4240	Btuh
Duct gain			6271	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			31323	Btuh
Latent gain(ducts)			1377	Btuh
Latent gain(infiltration)			7903	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occ	r)	1600	Btuh	
Total latent gain			10880	Btuh
TOTAL HEAT GAIN			42204	Btuh





EnergyGauge® System Sizing Fran Beams

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Koch

Lake City, FL

Project Title: 1202082 Building Type: User

3/15/2012

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%) This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/Type	Fram	e U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.30	Meta	0.30	NW	72.0	11.1	799 Btuh
2	2, NFRC 0.30	Meta	0.30	NE	18.0	11.1	200 Btuh
3	2, NFRC 0.30	Meta		NW	72.0	11.1	799 Btuh
4	2, NFRC 0.30	Meta	0.30	SW	36.0	11.1	400 Btuh
5	2, NFRC 0.30	Meta	0.30	SW	15.0	11.1	166 Btuh
6	2, NFRC 0.30	Meta	0.30	NE	8.0	11.1	89 Btuh
7	2, NFRC 0.30	Meta	0.30	NE	30.0	11.1	333 Btuh
8	2, NFRC 0.30	Meta	0.30	SE	12.0	11.1	133 Btuh
9	2, NFRC 0.30	Meta	0.30	SE	12.0	11.1	133 Btuh
10	2, NFRC 0.30	Meta	0.30	SE	36.0	11.1	400 Btuh
11	2, NFRC 0.30	Meta	0.30	SE	4.0	11.1	44 Btuh
12	2, NFRC 0.30	Meta	0.30	SW	20.0	11.1	222 Btuh
13	2, NFRC 0.30	Meta		SW	6.0	11.1	67 Btuh
1,000	Window Total				341.0(sqft)		3785 Btuh
Walls	Туре	Ornt.	Ueff.	R-Value	Area X	HTM=	Load
Vacana and V				(Cav/Sh)			
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	313	3.28	1027 Btuh
2	Frame - Wood		(0.089)	13.0/0.0	547	3.28	1796 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	199	3.28	652 Btuh
4	Frame - Wood		(0.089)	13.0/0.0	552	3.28	1811 Btuh
5	Frame - Wood	- Adj	(0.089)	13.0/0.0	187	3.28	614 Btuh
	Wall Total	1700000			1797(sqft)		5901 Btuh
Doors	Туре	Storr	n Ueff.		Area X	HTM=	Load
1	Insulated - Exter	ior, n	(0.400)		24	14.8	355 Btuh
2	Wood - Exterior,	n	(0.460)		36	17.0	613 Btuh
3	Insulated - Garag	ge, n	(0.400)		20	14.8	296 Btuh
	Door Total	F0 0	31		80(sqft)		1264Btuh
Ceilings	Type/Color/Surfa	ace	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/D/S	hing (C	0.032)	30.0/0.0	2325	1.2	2740 Btuh
	Ceiling Total	1000 TO 1000			2325(sqft)		2740Btuh
Floors	Туре		Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	247.0 ft(pe	rim.) 43.7	10784 Btuh
	Floor Total				2229 sqft		10784 Btuh
					Envelope Subt	otal:	24473 Btuh
Infiltration	Туре	Who	lehouse A	ACH Volume	(cuft) Wall Ra	tio CFM=	
	Natural			0.86 2006			11680 Btuh
Duct load	Average sealed,	R6.0, S	upply(Att), Return(Att)) (DLM	M of 0.145)	5259 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued) Project Title:

Koch

Lake City, FL

Project Title: 1202082 Building Type: User

3/15/2012

1412 Btuh 0 Btuh 1412 Btuh

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

Koch

Project Title: 1202082

Lake City, FL

3/15/2012

Reference City: Gainesville, FL

Temperature Difference: 17.0F(MJ8 99%)

Humidity difference: 54gr.

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

		Туре	*			Overhang Window		ow Area(sqft)		HTM		Load		
Window	Panes	SHGC U		IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.30, 0.30	No	No	NW	1.5ft	1.5ft	72.0	0.0	72.0	11	25	1819	Btul
2		0.30, 0.30	No	No	NE	99.5f	1.5ft	18.0	0.0	18.0	11	25	455	Btul
3	2 NFRC	0.30, 0.30	No	No	NW	10.5f	0.5ft	72.0	0.0	72.0	11	25	1819	Btul
4	2 NFRC	0.30, 0.30	No	No	SW	99.5f	1.5ft	36.0	36.0	0.0	11	27	411	Btul
5 6	2 NFRC	0.30, 0.30	No	No	SW	1.5ft	1.5ft	15.0	2.9	12.1	11	27	355	Btul
6		0.30, 0.30	No	No	NE	1.5ft	1.5ft	8.0	0.0	8.0	11	25	202	Btul
7	2 NFRC	0.30, 0.30	No	No	NE	1.5ft	1.5ft	30.0	0.0	30.0	11	25	758	Btu
8	2 NFRC	0.30, 0.30	No	No	SE	8.5ft	2.0ft	12.0	12.0	0.0	11	27	137	Btu
9		0.30, 0.30	No	No	SE	13.3f	1.0ft	12.0	12.0	0.0	11	27	137	
10		0.30, 0.30	No	No	SE	8.5ft	2.0ft	36.0	36.0	0.0	11	27	411	Btul
11	The state of the s	0.30, 0.30	No	No	SE	1.5ft	1.5ft	4.0	1.9	2.1	11	27	77	Btul
12		0.30, 0.30	No	No	SW	1.5ft	1.5ft	20.0	3.9	16.1	11	27	473	Btul
13		0.30, 0.30	No	No	SW	1.5ft	1.5ft	6.0	1.9	4.1	11	27	130	
	Excursio							1110.40.0010.40					1159	
	Windov	v Total						341 (s	sqft)				8341	Btul
Walls	Type				U	-Value			Area	(sqft)		HTM	Load	
1	Frame -	Wood - Ext				0.09	Cav/S 13.0		31	2.8		2.1	652	Btul
2		Wood - Ext				0.09	13.0			7.0		2.1	1141	Btul
3		Wood - Ext				0.09	13.0				2.1	414		
4		Wood - Ext				0.09	13.0			1.5		2.1	1150	-
5		Wood - Adj				0.09	13.0			7.0		1.5	282	
	Wall To						.0.0	1797 (sqft)		2000		3640		
Doors	Туре	11.73								(sqft)		HTM	Load	
1	Insulated	- Exterior							24	1.0		11.2	269	Btul
2	Wood - E							36.0			12.9		464	Btul
3	Insulated	I - Garage						20.0		11.2		224	Btul	
	Door To									0 (sqft)			956	
Ceilings	Type/C	olor/Surfa	ace		U	-Value	9	R-Value		(sqft)		HTM	Load	
1	Vented A	ttic/DarkSh	ingle			0.032 30.0/0.0		2325.0		1.66	3850	Btul		
	Ceiling								232	5 (sqft)			3850	Btul
Floors	Туре						R-V	/alue		Size		HTM	Load	
1	Slab On	Grade				0.0		22	2229 (ft-perimeter)		0.0	0	Btul	
	Floor T									.0 (sqft)			0	Btul
									Е	nvelope	Subtotal	:	16788	Btul

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
1202082

Koch

Lake City, FL

3/15/2012

Infiltration	Type Natural	Average ACH 0.65		(cuft) V 0061	Vall Ratio 1	CFM= 216.3	Load 4025	Btuh
Internal		Occupants	Btu	ıh/occu	pant	Appliance	Load	
gain		8	X	230	+	2400	4240	Btuh
				Sens	sible Envelo	ope Load:	25053	Btuh
Duct load	Average sealed, Sup	ply(R6.0-Attic), Return(R6.0-Atti	c)		(DGM of 0	0.250)	6271	Btuh
				Sensi	ble Load A	II Zones	31323	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Koch

Project Title: 1202082

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL

3/15/2012

WHOLE HOUSE TOTALS			
	Sensible Envelope Load All Zones	25053	Btuh
	Sensible Duct Load	6271	Btuh
	Total Sensible Zone Loads	31323	Btuh
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	Total sensible gain	31323	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	7903	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	1377	Btuh
	Latent occupant gain (8.0 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	10880	Btuh
	TOTAL GAIN	42204	Btuh

EQUIPMENT		
1. Central Unit	#	50000 Btuh

*Key: Window types (Panes - 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(1/2))

(Ornt - compass orientation)

Version 8