

DATE 02/16/2010

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000028373

APPLICANT JACOB SPARKS PHONE 623-2372
ADDRESS 162 SW COUNTY COURT LAKE CITY FL 32024
OWNER JACOB SPARKS PHONE 623-2372
ADDRESS 162 SW COUNTY COURT LAKE CITY FL 32024
CONTRACTOR SAME AS APPLICANT PHONE
LOCATION OF PROPERTY 47S, TL ON CR 240, TR BUTZER TERR., 2ND HOUSE ON
LEFT
TYPE DEVELOPMENT ATTACHED GARAGE ESTIMATED COST OF CONSTRUCTION 101900.00
HEATED FLOOR AREA TOTAL AREA 2038.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 13/13 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 28
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 11-5S-16-03578-004 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 1.97

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X10-038 BK HD
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: CONSTRUCTION STARTED PRIOR TO PERMIT ISSUANCE, FINED AS PER
ORDIANCE,

Check # or Cash 2969

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Insulation
date/app. by date/app. by
Rough-in plumbing above slab and below wood floor Electrical rough-in
date/app. by date/app. by
Heat & Air Duct Peri. beam (Lintel) Pool
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
date/app. by date/app. by date/app. by
Reconnection RV Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 510.00 CERTIFICATION FEE \$ 10.19 SURCHARGE FEE \$ 10.19
MISC. FEES \$ 510.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 1090.38
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS
PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED
FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

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 THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN
APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID
WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

For Office Use Only Application # 1052-12 Date Received 2/8/10 By GP Permit # 28373
Zoning Official B2K Date 16.02.10 Flood Zone X Land Use A-3 Zoning A-3
FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner HD Date 2-16-10
Comments Construction started prior to permit issuance, fine as per ordinance.
☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
School _____ = TOTAL N/A addition to existing Dwelling

Septic Permit No. N-A Fax 386-755-8608
Name Authorized Person Signing Permit Jacob Sparks Phone 386-623-2372
Address 162 SW Country CT Lake City FL 32024
Owners Name Jacob Sparks Phone 386-623-2372
911 Address 162 SW Country CT Lake City FL 32024
Contractors Name Owner Builder Phone _____
Address _____

Fee Simple Owner Name & Address J
Bonding Co. Name & Address N-A
Architect/Engineer Name & Address Mark Disosway P.E.
Mortgage Lenders Name & Address N-A

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

Property ID Number 11-55-16-03578-004 Estimated Cost of Construction 25,000

Subdivision Name N-A Lot _____ Block _____ Unit _____ Phase _____

Driving Directions Hwy 47 S TO CR 240
CR 240 east to Butzer Terrace 2nd Hse
on Left Number of Existing Dwellings on Property 1

Construction of Garage Addition Total Acreage 1.97 Lot Size _____
Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 28'6"

Actual Distance of Structure from Property Lines - Front 150 Side 60 Side 60 Rear 120

Number of Stories 1 Heated Floor Area 2038 Total Floor Area 2038 Roof Pitch 13/12

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.

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. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature 

****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.

Contractor's Signature (Permitee) _____

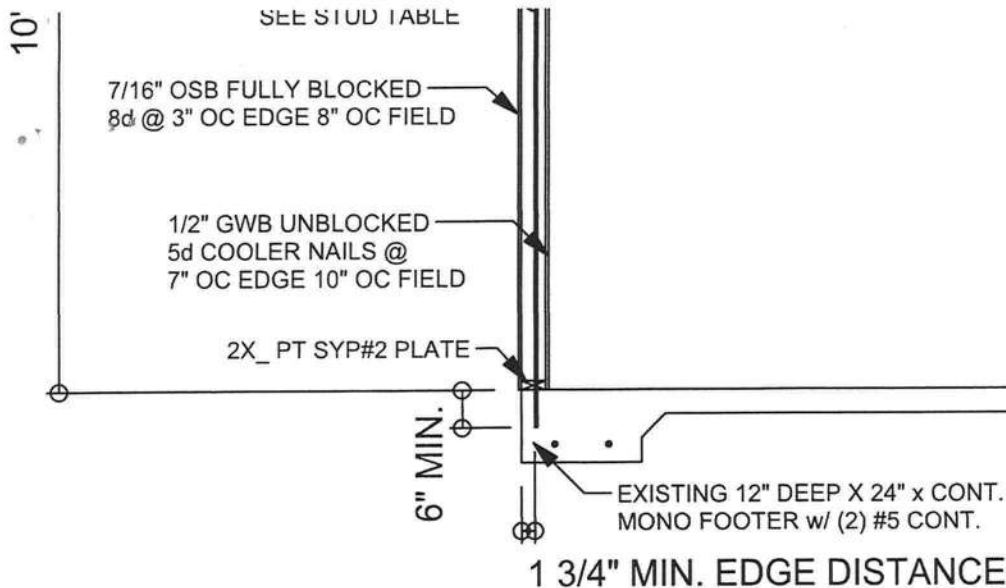
Contractor's License Number _____
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20__.

Personally known _____ or Produced Identification _____

SEAL:

State of Florida Notary Signature (For the Contractor)



SECTION A-A

SCALE: 3/8" = 1'-0"

FOUNDATION BEARING LOAD CALCULATION FOR 12" x 24" MONO FOOTER:

BASED ON WORST LOAD

ROOF LOADS:

CL = 16 PLF x 16' x .75 = 192 PLF CL

DL = 20 PLF x 16' x 1.0 = 320 PLF DL

2nd FLOOR EXT. WALL = 100 PLF DL

2nd FLOOR SYSTEM:

LL = 40 PSF x 16' x .75 = 480 PLF LL

DL = 15 PSF x 16' x 1.0 = 240 PLF DL

1st FLOOR EXT. WALL = 100 PLF DL

(ASCE 7-02 LOAD COMBINATION 4
(D + 0.75L + 0.75L_r) CONTROLS FOR
GRAVITY LOADING)

TOTAL LB PER FOOT @ EXTERIOR
MONO FOOTER = 1432 PLF

1432 LB / 2' = 716 PSF GRAVITY LOAD
1500 PSF LB ALLOWABLE LOAD
1500 PSF > 716 PSF

EXISTING 24" WIDE MONO. FOOTER HAS
ADEQUATE BEAR FOR 2-STORY WALL

WINDLOAD ENGINEER:
Mark Disosway, PE
No. 53915, POB 868, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supercede scaled
dimensions. Refer all questions to
Mark Disosway, P.E. for resolution.
Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly
reserves its common law copyrights and
property right in these instruments of service.
This document is not to be reproduced, altered
or copied in any form or manner without first
the express written permission and consent
of Mark Disosway.

CERTIFICATION: I hereby certify that I have
examined this plan, and that the applicable
portions of the plan, relating to
wind engineering comply with section
R301.2.1, florida building code
residential 2007 & 2009 supplements
to the best of my knowledge.

LIMITATION: This design is valid for one
building, at specified location.

MARK DISOSWAY
P.E. 53915

[Signature]
10 FEB 10
SEAL

Jake Sparks Addition

ADDRESS:
Columbia County, Florida

Mark Disosway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
February 10, 2010

DRAWN BY:
Evan Beamsley

STRUCTURAL BY:
Evan Beamsley

FINALS DATE:
Feb. 8, 2010

JOB NUMBER:
1002013

Jacob Sparks

2-10-2010

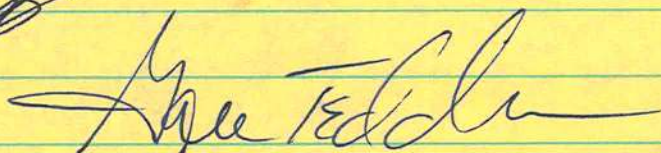
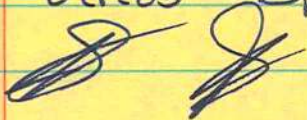
Columbia County Building Dept

To whom it may concern

I Jacob Sparks oversaw the existing footer and to the best of my knowledge is going to sufficient structurally.

My Plan after construction is to bring in fill dirt to the perimeter of the slab, to ensure code requirements of 12" for the footer.

Jacob Sparks



2/11/10



Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

February 11, 2010

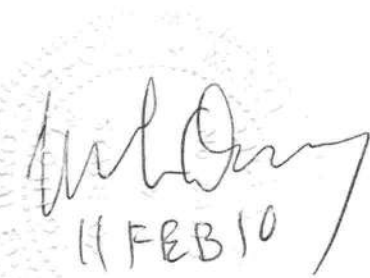
Building Department
Columbia County, Florida

Re: Plans Review: Jake Sparks Addition, Columbia County, Florida

Dear Building Inspector:

This letter is in reference to plans review issues at the above referenced house.

- The engineered plans call for a 12" deep x 24" wide monolithic footer with (2) #5 rebar continuous.
- The 12" x 24" footer is sufficiently sized to meet all design load requirements.
 - The owner states that the foundation was installed as per the engineered plan.



Mark Disosway, PE
Florida Registered Professional Engineer

Cc Jake Sparks (Owner)

Mark Disosway

Lofstrom Builders, LLC

2/10/2010

Columbia County Building Department

To Whom It May Concern:

At the residence of Jacob Sparks I oversaw the concrete pad pouring. The footer is 24" wide and 12-13" deep. The footer has 2 bars of #5 rebar on chairs. The slab is 6" thick concrete with plastic underneath and wire mesh as well as fiber mesh concrete.

Sincerely,

Ben Lofstrom

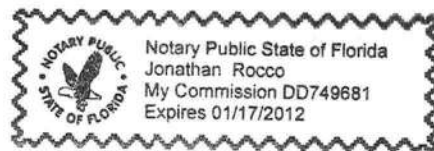
Ben Lofstrom

Owner

Lofstrom Builders, LLC

*SUBSCRIBED Before me this
11th day of February 2010*

Jonathan Rocco
X personally known



Jacob Sparks

2-16-2010

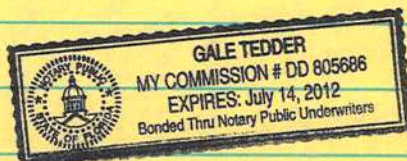
CC BD

TO Whom it may concern,
Due to Financial Reasons I am changing
the original plans. In Lieu of
the Family Room I am getting the
Plans changed to enlarge the
Garage. ~~the~~ this change eliminates
the Family room. I understand
If I want to change this
Room to a Family Room Someday
the County Requires a permit.

Jacob Sparks



Gale Tedder 2/16/10



SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Owner-Builder PHONE _____

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

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	<u>CBC 125-2260</u>		
FRAMING		<u>Josh Sparks</u>	
INSULATION	<u>Jacob Sparks</u>		
STUCCO	<u>Jacob Sparks</u>		
DRYWALL	<u>Jacob Sparks</u>		
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.

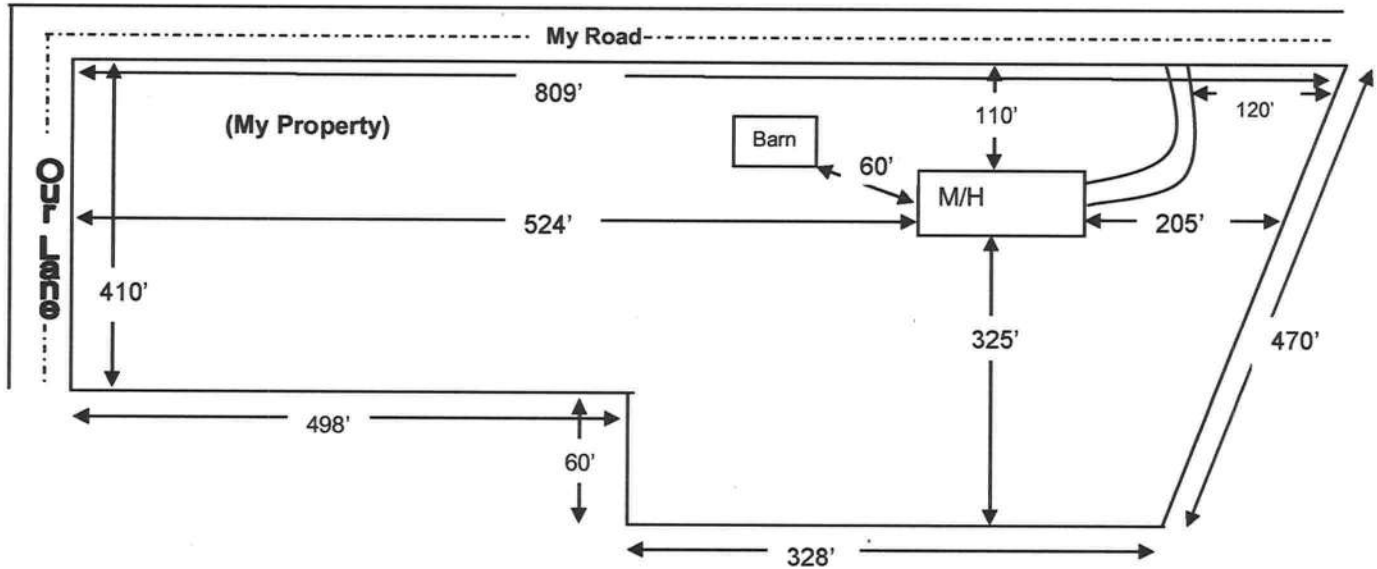
Location:

Project Name: Take Sports

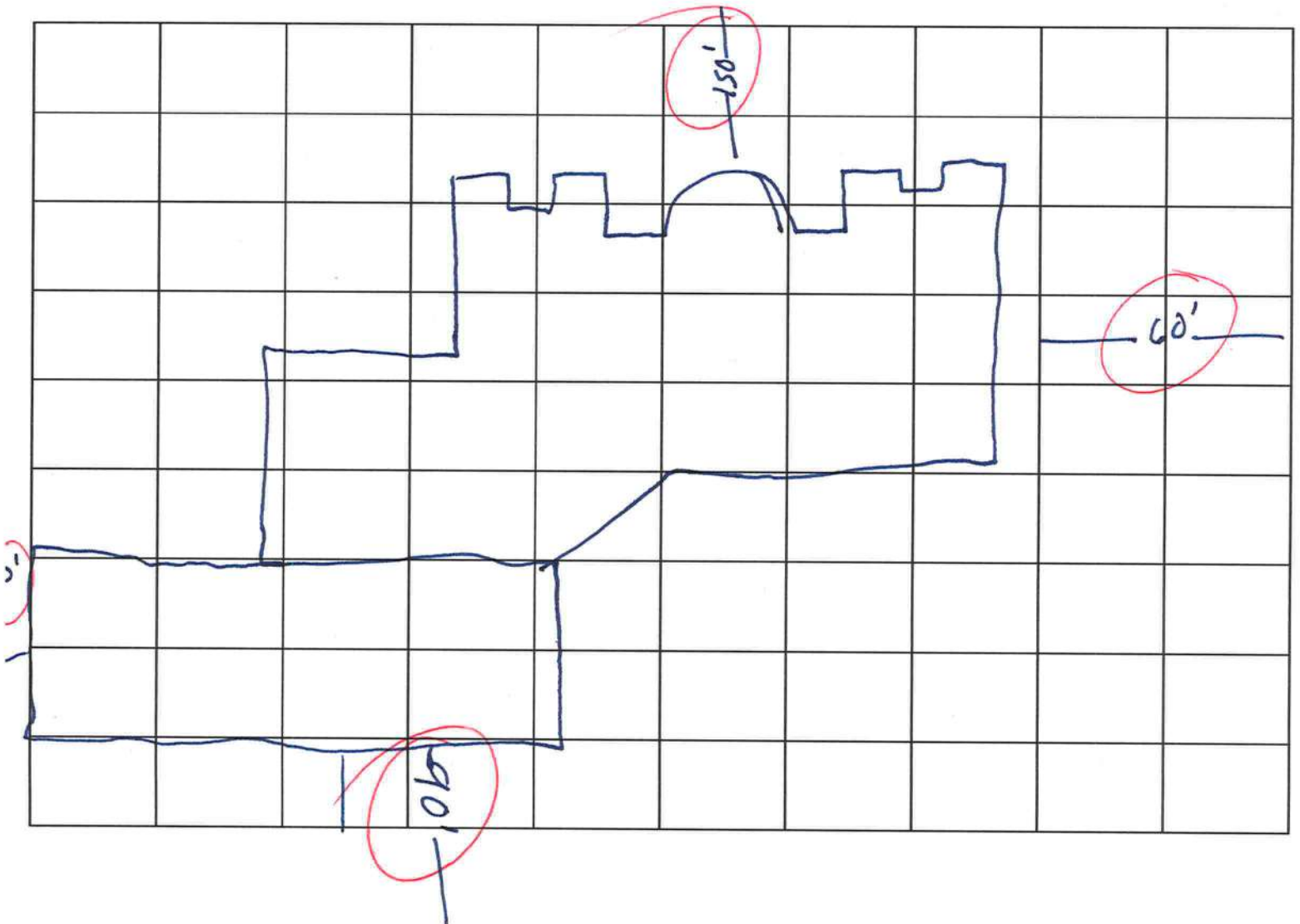
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Mayfair	entry door	FL 1311
2. Sliding			
3. Sectional			
4. Roll up	General American	garage door	FL 2868
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Danuid	Single Hung	FL 1369
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	James Hardie	hardiboard siding	FL 889-R1
2. Soffits	Ashley	Aluminum	FL 406
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Tamko	30-year asphalt	FL 673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf	A-1	Sheet metal of Alcoa	FL 893
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

SITE PLAN EXAMPLE / WORKSHEET



Use this example to draw your own site plan. Show all existing buildings and any other homes on this property and show the distances between them. Also show where the roads or roads are around the property. This site plan can also be used for the 911 Addressing department if you include the distance from the driveway to the nearest property line.



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 1002013SparksAddition
 Street:
 City, State, Zip: , fl ,
 Owner: Jake Sparks
 Design Location: FL, Gainesville

Builder Name: Owner
 Permit Office: Columbia
 Permit Number: 28373
 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 | 1 |
| 5. Is this a worst case? | No |
| 6. Conditioned floor area (ft ²) | 1035 |

- | | | |
|--------------|-------------|------------------------|
| 7. Windows | Description | Area |
| a. U-Factor: | Dbl, U=0.35 | 107.50 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 | 1035.00 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 | 1062.50 ft ² |
| b. Frame - Wood, Adjacent | R=13.0 | 320.00 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 | 1035.00 ft ² |
| b. N/A | R= | ft ² |
| c. N/A | R= | ft ² |

11. Ducts
 a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 200 ft²

12. Cooling systems
 a. Central Unit Cap: 21.0 kBtu/hr
 SEER: 13

13. Heating systems
 a. Electric Heat Pump Cap: 21.0 kBtu/hr
 HSPF: 7.7

14. Hot water systems
 a. Electric Cap: 40 gallons
 EF: 0.93

- b. Conservation features
 None

15. Credits None

Glass/Floor Area: 0.104

Total As-Built Modified Loads: 20.72

Total Baseline Loads: 25.39

PASS

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

PREPARED BY:

DATE: 2/8/10 EVAN BEANSLEY

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

OWNER/AGENT:

DATE:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL:

DATE:

PROJECT

Title: 1002013SparksAddition	Bedrooms: 1	Address Type: Street Address
Building Type: FLAsBuilt	Bathrooms: 0	Lot #
Owner: Jake Sparks	Conditioned Area: 1035	SubDivision:
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name: Owner	Worst Case: No	Street:
Permit Office:	Rotate Angle: 0	County: Columbia
Jurisdiction:	Cross Ventilation: No	City, State, Zip: , fl ,
Family Type: Single-family	Whole House Fan: No	
New/Existing: New (From Plans)		
Comment:		

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp 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	107 ft	0	1035 ft²	1	0	0

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	1526 ft²	0 ft²	Dark	0.96	No	0	47.3 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	1035 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1035 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	326.67 ft²	0	0.23	0.75
_____	2	S	Exterior	Frame - Wood	13	100 ft²	0	0.23	0.75
_____	3	E	Exterior	Frame - Wood	13	320 ft²	0	0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	315.83 ft²	0	0.23	0.75
_____	5	??	Garage	Frame - Wood	13	320 ft²		0.23	0.01

DOORS													
✓	#	Ornt	Door Type			Storms	U-Value		Area				
_____	1	N	Insulated			None	0.4		20 ft²				
_____	2	??	Insulated			None	0.4		20 ft²				
_____	3	N	Insulated			None	0.4		20 ft²				

WINDOWS													
Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.													
✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth Separation		Int Shade	Screening
_____	1	W	Metal	Double (Clear)	Yes	0.35	0.35	N	54 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	2	W	Metal	Double (Clear)	Yes	0.35	0.35	N	13.5 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	3	N	Metal	Double (Clear)	Yes	0.35	0.35	N	40 ft²	0 ft 18 in	0 ft 54 in	HERS 2006	None

INFILTRATION & VENTING											
✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts	
_____	Default	0.00036	977	5.67	53.7	100.9	0 cfm 0 cfm		0	0	

GARAGE						
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	1000 ft²	1000 ft²	96 ft	10 ft	(invalid)

COOLING SYSTEM								
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 13	21 kBtu/hr	630 cfm	0.75	

HEATING SYSTEM						
✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	21 kBtu/hr	

HOT WATER SYSTEM							
✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.93	40 gal	40 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

✓	#	---- Supply ----			---- Return ----		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
		Location	R-Value	Area	Location	Area						
	1	Attic	6	200 ft²	Attic	1 ft²	Default Leakage	Interior				

TEMPERATURES

Programable Thermostat: N

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		Hours											
		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:

, fl,

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* = 82

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

, , 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	1062.50 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	320.00 ft ²
4. Number of Bedrooms	1	c. N/A	R=	ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1035	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	1035.00 ft ²
a. U-Factor:	DbI, U=0.35	b. N/A	R=	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, 200 ft ²		
c. U-Factor:	N/A	12. Cooling systems		
SHGC:		a. Central Unit	Cap: 21.0 kBtu/hr	
d. U-Factor:	N/A		SEER: 13	
SHGC:		13. Heating systems		
e. U-Factor:	N/A	a. Electric Heat Pump	Cap: 21.0 kBtu/hr	
SHGC:			HSPF: 7.7	
8. Floor Types	Insulation	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0	a. Electric	Cap: 40 gallons	
b. N/A	R=		EF: 0.93	
c. N/A	R=	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: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



*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

**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.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

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

, , 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	1062.50 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	320.00 ft ²
4. Number of Bedrooms	1		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1035		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1035.00 ft ²
a. U-Factor:	Dbl, U=0.35	107.50 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.35		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 200 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 21.0 kBtu/hr	SEER: 13
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 21.0 kBtu/hr	HSPF: 7.7
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.93
8. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	1035.00 ft ²	None		
b. N/A	R=	ft ²	15. Credits		None
c. N/A	R=	ft ²			

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

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



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.



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

OWNER BUILDER DISCLOSURE STATEMENT

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed \$75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased within 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address <http://www.myflorida.com/dbpr/pro/cilb/index.html> for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

162 SW Country Court

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual or firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of \$300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of \$100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling ☐ Two-Family Residence ☐ Farm Outbuilding
☒ Addition, Alteration, Modification or other Improvement
☐ Commercial, Cost of Construction _____ Construction of _____
☐ Other _____

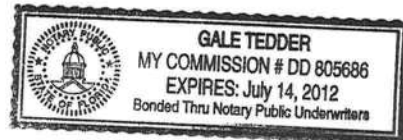
I Jacob Sparks, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

[Signature] Date 2-8-2010
Owner/Builder Signature

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification DL

[Signature] Date 2/8/10 (Seal)
Notary Signature



FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

Building Official/Representative _____

Columbia County Property Appraiser

DB Last Updated: 1/28/2010

2009 Tax Year

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 11-5S-16-03578-004 HX

Owner & Property Info

Owner's Name	SPARKS JACOB D		
Site Address	COUNTRY		
Mailing Address	P O BOX 1479 LAKE CITY, FL 32056		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	011516.00	Tax District	3
UD Codes	MKTA01	Market Area	01
Total Land Area	1.970 ACRES		
Description	COMM SE COR OF NE1/4 OF NW1/4 OF SW1/4, RUN N 25.01 FT TO N R/W YOUNG RD, W ALONG R/W 683.63 FT, N 292.17 FT, W 248.92 FT FOR POB, RUN N 345.58 FT, W 241.53 FT TO E R/W BUTZER RD, S ALONG R/W 264.08 FT, S 116.84 FT, E 319.92 FT TO POB. ORB 908-2087, 2090,		

<< Prev Search Result: 4 of 13 Next >>

GIS Aerial**Property & Assessment Values**

Mkt Land Value	cnt: (1)	\$23,648.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$238,511.00
XFOB Value	cnt: (1)	\$1,200.00
Total Appraised Value		\$263,359.00

Just Value	\$263,359.00
Class Value	\$0.00
Assessed Value	\$263,359.00
Exemptions	(code: HX) \$50,000.00
Total Taxable Value	County: \$213,359.00 City: \$213,359.00 Other: \$213,359.00 School: \$238,359.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2004	WD FR Stucco (16)	3165	4323	\$238,511.00
Note: All S.F. calculations are based on <u>exterior</u> building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0190	FPLC PF	2004	\$1,200.00	0000001.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	0000001.970 AC	1.00/1.00/1.00/1.00	\$12,004.20	\$23,648.00

Columbia County Property Appraiser

DB Last Updated: 1/28/2010



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.)	Total (Sq. Ft.) under roof			

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			
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.	<input checked="" type="checkbox"/>		

Need Eng. approval on Existing Slab¹ &
Termite treatment @ under slab / footer

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	IIIII	IIIII	IIIII
		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 plans (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable	
---	--	--	--

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 _____ 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	✓		
----	--	---	--	--

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"/>		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	<input checked="" type="checkbox"/>		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	<input checked="" type="checkbox"/>		
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	<input checked="" 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"/>		
74	Attic space	<input checked="" type="checkbox"/>		
75	Exterior wall cavity	<input checked="" type="checkbox"/>		
76	Crawl space	<input checked="" type="checkbox"/>		

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

82	Pump motor horse power	<input checked="" type="checkbox"/>		
83	Reservoir pressure tank gallon capacity	<input checked="" type="checkbox"/>		
84	Rating of cycle stop valve if used	<input checked="" type="checkbox"/>		

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.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- 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	✓		
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			N/A
95	City of Lake City A permit showing an approved waste water sewer tap			N/A
96	Toilet facilities shall be provided for all construction sites	OK	OK	
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.			N/A ✓

Residential System Sizing Calculation

Summary

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

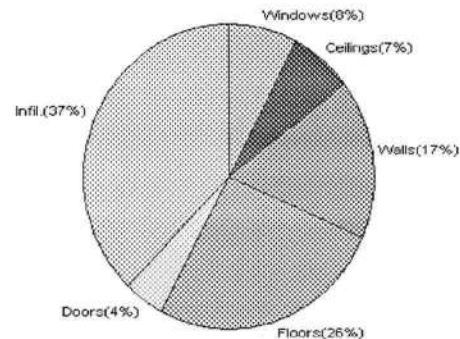
2/8/2010

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	17658 Btuh	Total cooling load calculation	16902 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.9 21000	Sensible (SHR = 0.75)	124.9 15750
Heat Pump + Auxiliary(0.0kW)	118.9 21000	Latent	122.4 5250
		Total (Electric Heat Pump)	124.2 21000

WINTER CALCULATIONS

Winter Heating Load (for 1035 sqft)

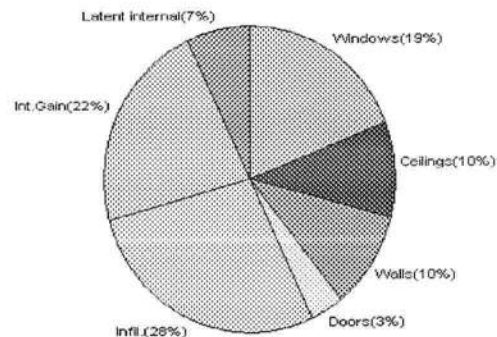
Load component		Load	
Window total	108 sqft	1392	Btuh
Wall total	923 sqft	3030	Btuh
Door total	60 sqft	777	Btuh
Ceiling total	1035 sqft	1220	Btuh
Floor total	107 sqft	4672	Btuh
Infiltration	162 cfm	6568	Btuh
Duct loss		0	Btuh
Subtotal		17658	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		17658	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1035 sqft)

Load component		Load	
Window total	108 sqft	3218	Btuh
Wall total	923 sqft	1740	Btuh
Door total	60 sqft	588	Btuh
Ceiling total	1035 sqft	1714	Btuh
Floor total		0	Btuh
Infiltration	85 cfm	1573	Btuh
Internal gain		3780	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		12613	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		3089	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		4289	Btuh
TOTAL HEAT GAIN		16902	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 2/8/10

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

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

2/8/2010

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.35, Metal, 0.35	W	54.0		12.9	699 Btuh
2	2, SHGC=0.35, Metal, 0.35	W	13.5		12.9	175 Btuh
3	2, SHGC=0.35, Metal, 0.35	N	40.0		12.9	518 Btuh
Window Total			108(sqft)			1392 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	603		3.3	1979 Btuh
2	Frame - Wood - Adj(0.09)	13.0	320		3.3	1051 Btuh
Wall Total			923			3030 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		40		12.9	518 Btuh
Door Total			60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1035		1.2	1220 Btuh
Ceiling Total			1035			1220Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	107.0 ft(p)		43.7	4672 Btuh
Floor Total			107			4672 Btuh
Zone Envelope Subtotal:						11090 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.94	10350		162.1	6568 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					17658 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	17658 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	17658 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

, fl

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

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

2/8/2010

Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.35, Metal, 0.35	W	54.0	12.9	699 Btuh
2	2, SHGC=0.35, Metal, 0.35	W	13.5	12.9	175 Btuh
3	2, SHGC=0.35, Metal, 0.35	N	40.0	12.9	518 Btuh
	Window Total		108(sqft)		1392 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	603	3.3	1979 Btuh
2	Frame - Wood - Adj(0.09)	13.0	320	3.3	1051 Btuh
	Wall Total		923		3030 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1035	1.2	1220 Btuh
	Ceiling Total		1035		1220Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	107.0 ft(p)	43.7	4672 Btuh
	Floor Total		107		4672 Btuh
	Zone Envelope Subtotal:				11090 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	10350	162.1	6568 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				17658 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	17658 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	17658 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

, fl

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

, fl

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

2/8/2010

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.35, 0.35, None,N,N	W	0ft.	0ft.	54.0	0.0	54.0	13	40	2147 Btuh	
2	2, SHGC=0.35, 0.35, None,N,N	W	0ft.	0ft.	13.5	0.0	13.5	13	40	537 Btuh	
3	2, SHGC=0.35, 0.35, None,N,N	N	1.5ft.	9ft.	40.0	0.0	40.0	13	13	534 Btuh	
Window Total						108 (sqft)					3218 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		602.5			2.1		1257 Btuh		
2	Frame - Wood - Adj	13.0/0.09		320.0			1.5		483 Btuh		
Wall Total						923 (sqft)			1740 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Adjacent				20.0		9.8		196 Btuh		
2	Insulated - Exterior				40.0		9.8		392 Btuh		
Door Total						60 (sqft)				588 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0		1035.0			1.7		1714 Btuh		
Ceiling Total						1035 (sqft)			1714 Btuh		
Floors	Type	R-Value		Size			HTM		Load		
1	Slab On Grade	0.0		107 (ft(p))			0.0		0 Btuh		
Floor Total						107.0 (sqft)			0 Btuh		
Zone Envelope Subtotal:										7260 Btuh	
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load		
SensibleNatural		0.49		10350			84.5		1573 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
		6		X 230 +			2400		3780 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										12613 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

2/8/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	12613 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	12613 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	12613 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3089 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4289 Btuh
	TOTAL GAIN	16902 Btuh

*Key: Window types (Pn - Number of panes of glass)
 (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
 (U - Window U-Factor or 'DEF' for default)
 (InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (BS - Insect screen: none(N), Full(F) or Half(H))
 (Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Jake Sparks

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

2/8/2010

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, SHGC=0.35, 0.35, None,N,N	W	0ft.	0ft.	54.0	0.0	54.0	13	40	2147 Btuh
2	2, SHGC=0.35, 0.35, None,N,N	W	0ft.	0ft.	13.5	0.0	13.5	13	40	537 Btuh
3	2, SHGC=0.35, 0.35, None,N,N	N	1.5ft.	9ft.	40.0	0.0	40.0	13	13	534 Btuh
Window Total					108 (sqft)					3218 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09		602.5			2.1		1257 Btuh	
2	Frame - Wood - Adj	13.0/0.09		320.0			1.5		483 Btuh	
Wall Total			923 (sqft)					1740 Btuh		
Doors	Type				Area (sqft)		HTM		Load	
1	Insulated - Adjacent				20.0		9.8		196 Btuh	
2	Insulated - Exterior				40.0		9.8		392 Btuh	
Door Total			60 (sqft)					588 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0		1035.0			1.7		1714 Btuh	
Ceiling Total			1035 (sqft)					1714 Btuh		
Floors	Type	R-Value		Size			HTM		Load	
1	Slab On Grade	0.0		107 (ft(p))			0.0		0 Btuh	
Floor Total			107.0 (sqft)					0 Btuh		
Zone Envelope Subtotal:									7260 Btuh	
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural	0.49		10350			84.5		1573 Btuh	
Internal gain	Occupants		Btuh/occupant			Appliance		Load		
	6		X 230 +			2400		3780 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
Sensible Zone Load									12613 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jake Sparks
, fl

Project Title:
1002013SparksAddition

Class 3 Rating
Registration No. 0
Climate: North

2/8/2010

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	12613 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	12613 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	12613 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3089 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4289 Btuh
	TOTAL GAIN	16902 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Jake Sparks

Project Title:
1002013SparksAddition

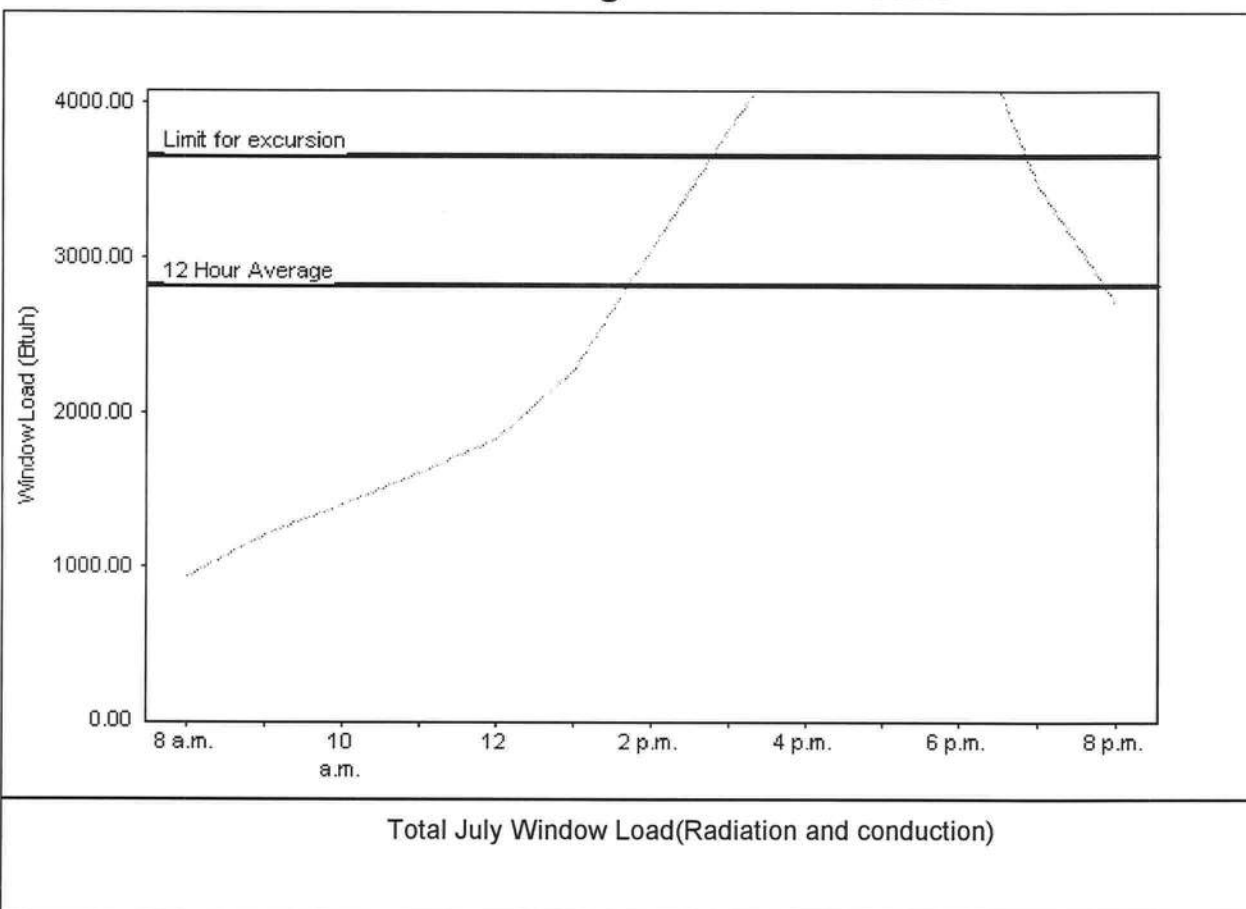
Class 3 Rating
Registration No. 0
Climate: North

2/8/2010

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	2817 Btuh
Summer setpoint	75 F	Peak window load for July	4894 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	3662 Btuh
Latitude	29 North	Window excursion (July)	1232 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: 

DATE: 2/4/10

EnergyGauge® FLR2PB v4.1



BOARD OF COUNTY COMMISSIONERS
OFFICE OF
BUILDING & ZONING
COLUMBIA COUNTY, FLORIDA

BUILDING PERMIT RECEIPT

RECEIPT NUMBER / PERMIT NUMBER 000028373 DATE 02/16/2010
APPLICANT JACOB SPARKS
OWNER JACOB SPARKS
CONTRACTOR SAME AS APPLICANT
PARCEL ID NUMBER 11-5S-16-03578-004 NUMBER OF EXISTING DWELLINGS 0
TYPE OF DEVELOPMENT ATTACHED GARAGE
COMMENTS: CONSTRUCTION STARTED PRIOR TO PERMIT ISSUANCE, FINED AS PER
ORDINANCE,

FEES:

BUILDING PERMIT	<u>510.00</u>	CERTIFICATION FEE	<u>10.19</u>
ZONING FEE	<u>50.00</u>	SURCHARGE FEE	<u>10.19</u>
FLOOD ZONE FEE	<u> </u>	FLOOD DEVELOPMENT PERMIT	<u> </u>
MOBILE HOME PERMIT	<u> </u>	RELOCATION PERMIT	<u> </u>
TRAVEL TRAILER PERMIT	<u> </u>	PERMIT FINE CHARGED	<u>510.00</u>
UTILITY POLE PERMIT	<u> </u>	WASTE ASSESSMENT FEE	<u> </u>
FIRE FEE (5 ACRES OR LESS)	<u> </u>	CULVERT PERMIT	<u> </u>
FIRE FEE (MORE THAN 5 ACRES)	<u> </u>		

CHECK NUMBER 2969 **TOTAL FEES CHARGES** 1090.38

MAKE CHECKS PAYABLE TO: BCC (Board of County Commissioners)

NOTE: A SEPARATE CHECK IS REQUIRED FOR THE CULVERT WAIVER PERMITS

135 NE HERNANDO AVE.
SUITE B-21
LAKE CITY, FL 32055
Phone: 386-758-1008
Fax: 386-758-2160



28373

Inst: 201012002447 Date: 2/17/2010 Time: 4:21 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1189 P: 841

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 11-55-16-03578-004 HX

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description):

a) Street (job) Address: 162 SW Country CT Lake City FL 32024

2. General description of improvements: Renovations

3. Owner Information

a) Name and address: Jacob Sparks 162 SW Country CT Lake City FL 32024
b) Name and address of fee simple titleholder (if other than owner):
c) Interest in property: owner

4. Contractor Information

a) Name and address: owner
b) Telephone No.: Fax No. (Opt.)

5. Surety Information

a) Name and address:
b) Amount of Bond: N-A
c) Telephone No.: Fax No. (Opt.)

6. Lender

a) Name and address:
b) Phone No. N-A

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:

a) Name and address:
b) Telephone No.: N-A Fax No. (Opt.)

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b). Florida Statutes:

a) Name and address:
b) Telephone No.: Fax No. (Opt.)

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

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

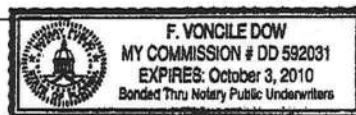
10. Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

Jacob Sparks
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 17th day of Feb, 2010, by:
Jacob Sparks as _____ (type of authority, e.g. officer, trustee, attorney fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature F. Vongile Dow Notary Stamp or Seal:



—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Jacob Sparks
Signature of Natural Person Signing (in line #10 above.)

STOP WORK
Columbia County
JURISDICTION

OFFICE OF BUILDING OFFICIAL NOTICE

This building has been inspected and

- ☒ General Construction
- ☐ Concrete, Masonry and Finish Cement Work
- ☐ Lathing
- ☐ Plastering
- ☐ Elevators
- ☐ Plumbing
- ☐ Mechanical Work
- ☐ Electric Wiring
- ☐ Gas Piping

IS NOT ACCEPTED

Please correct as noted below before any further work is done.

2-4-10 Date **- NOTE -** Harry Dicks Inspector

Do Not Remove This Notice

DETACH and Bring this Portion of Card With You.

Location:

Date _____

COLUMBIA COUNTY FLORIDA

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 11-5S-16-03578-004

Building permit No. 000028373

Use Classification ATTACHED GARAGE

Fire: 0.00

Permit Holder SAME AS APPLICANT

Waste:

Owner of Building JACOB SPARKS

Total: 0.00

Location: 162 SW COUNTY COURT, LAKE CITY, FL



Date: 05/27/2010

Fanny Bricker

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)