

DATE 01/26/2010

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000028339

APPLICANT SAMANTHA HARRINGTON PHONE 719-7143
ADDRESS 12507 SW MIDTOWN PLACE LAKE CITY FL 32025
OWNER CHARLES & MARLENE MEADE PHONE
ADDRESS 5110 SW CR 240 LAKE CITY FL 32024
CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143
LOCATION OF PROPERTY 47-S TO C-240,TL TO PEACE ROAD,TR,1ST PARCEL ON L.

TYPE DEVELOPMENT SFD-REISSUED ESTIMATED COST OF CONSTRUCTION 280000.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT
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-16-03564-101 SUBDIVISION COLUMBIA MEADOWS
LOT 1 BLOCK PHASE UNIT 0 TOTAL ACRES 4.01

CBC059323
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 08-518 BK WR N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: RE-ISSUED PERMIT TO NEW CONTRACTOR, PERMIT #27443, ALL DOCUMENTS

RELEASED TO ISAAC CONSTRUCTION,PER COUNTY ENGINEER, REQUIRED

DRIVEWAY & SOD DISTURBED AREA, NOC ON FILE Check # or Cash 1606

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 1400.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 1400.00

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.

DATE 01/26/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000028339

APPLICANT SAMANTHA HARRINGTON PHONE 719-7143
ADDRESS 12507 SW MIDTOWN PLACE LAKE CITY FL 32025
OWNER CHARLES & MARLENE MEADE PHONE _____
ADDRESS 5110 SW CR 240 LAKE CITY FL 32024
CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143
LOCATION OF PROPERTY 47-S TO C-240, TL TO PEACE ROAD, TR, 1ST PARCEL ON L.

TYPE DEVELOPMENT SFD-REISSUED ESTIMATED COST OF CONSTRUCTION 280000.00
HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT _____ STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH _____ FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT _____
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-16-03564-101 SUBDIVISION COLUMBIA MEADOWS
LOT 1 BLOCK _____ PHASE _____ UNIT 0 TOTAL ACRES 4.01

CBC059323
Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
CULVERT _____ 08-518 _____ BK _____ WR _____ N _____
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: RE-ISSUED PERMIT TO NEW CONTRACTOR, PERMIT #27443, ALL DOCUMENTSRELEASED TO ISAAC CONSTRUCTION, PER COUNTY ENGINEER, REQUIREDDRIVEWAY & SOD DISTURBED AREA, NOC ON FILE Check # or Cash 1606

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 \$ 1400.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ _____ FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ _____ CULVERT FEE \$ _____ TOTAL FEE 1400.00
INSPECTORS OFFICE [Signature] CLERKS OFFICE CH

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."

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

DATE 06/07/2012

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000030214

APPLICANT AARON NICKELSON PHONE 386-487-1240
ADDRESS 496 SW RING CT LAKE CITY FL 32025
OWNER MARK & TAMMY MAGSTADT PHONE 752-3520
ADDRESS 5110 SW CR 240 LAKE CITY FL 32024
CONTRACTOR AARON NICKELSON PHONE 386-867-3534
LOCATION OF PROPERTY 47-S TO C-240,TL TO PEACE ROAD,TR,1ST PARCEL ON L.

TYPE DEVELOPMENT COMPLETE SFD ESTIMATED COST OF CONSTRUCTION 26100.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING AG-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 11-5S-16-03564-101 SUBDIVISION COLUMBIA MEADOWS
LOT 1 BLOCK PHASE UNIT 0 TOTAL ACRES 1.00

00001683 CBC1258040
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 08-0518 BK TC N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: COMPLETION OF PERMITTED SFD, NEW CONTRATOR AND OWNER OF PROPERTY
SEE COMPLETION SCHEDULE, NOC ON FILE
Check # or Cash 2829

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 \$ 135.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 135.00

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.

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

Inst: 201012000289 Date: 1/12/2010 Time: 10:50 AM
Fair DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1187 P: 611

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 11-55-16-03564-101

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): Lot 1 Columbia Meadows Platbook 5 pg. 88+88-A
a) Street (job) Address: 5110 SW CR 24P Lake City, FL 32024 of the public records of Columbia County.
2. General description of improvements: Finishing Construction of SFO
3. Owner Information
a) Name and address: Charles & Marlene Meade
b) Name and address of fee simple titleholder (if other than owner):
c) Interest in property: owner
4. Contractor Information
a) Name and address: Isaac Construction 125 SW Midtown Pl Ste #101 Lake City, FL 32025
b) Telephone No.: 386-719-7143 Fax No. (Opt.): 386-719-4752
5. Surety Information
a) Name and address:
b) Amount of Bond:
c) Telephone No.: Fax No. (Opt.):
6. Lender
a) Name and address:
b) Phone No.:
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.: Fax No. (Opt.):
8. In addition to himself, owner designates the following person to receive a copy of the Lender'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

Charles Meade Marlene H Meade
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
X Charles and Marlene H Meade
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 4 day of Jan, 2010, by:
Charles & Marlene Meade as owners (type of authority, e.g. officer, trustee, attorney fact) for (name of party on behalf of whom instrument was executed).

Personally Known X OR Produced Identification Type

Notary Signature Barbara C Webster Notary Stamp or Seal:



BARBARA C. WEBSTER
MY COMMISSION # DD 800888
EXPIRES: July 2, 2012
Bonded Thru Budget Notary Services

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.

Charles Meade Marlene H Meade
Signature of Natural Person Signing (in line #10 above.)

Columbia County Building Permit Application

28339 Renewed

27443 Expired

For Office Use Only Application # 1206-12 Date Received 6-7-12 By LH Permit # 30214 **VOID**

Zoning Official _____ Date _____ Flood Zone _____ Land Use _____ Zoning _____

FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner _____ Date _____

Comments _____

☒ NOC ☐ EH ☐ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☒ Letter of Auth. from Contractor ☐ F W Comp. letter _____

IMPACT FEES: EMS _____ Fire _____ Corr _____ ☒ Sub VF Form _____

Road/Code _____ School _____ = TOTAL (Suspended) ☐ Ellisville Water ☒ App Fee Paid

Septic Permit No. 08-0518 *Need updated info* Fax 386-719-6797

Name Authorized Person Signing Permit Aaron Nickelson Phone 386-487-1240

Address 496 SW Ring Ct Lake City, FL 32025

Owners Name Mark and Tammy Magstad Phone 386-752-3520

911 Address 5110 SW CR 240 Lake City, FL 32024

Contractors Name Aaron Marc, LLC Phone 386-867-3534

Address 426 SW Commerce Drive Ste 130, Lake City, FL 32025

Fee Simple Owner Name & Address Mark and Tammy Magstad | P.O. Box 543 Lake City, FL

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address _____

Mortgage Lenders Name & Address N/A

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

Property ID Number 11-56-16-03564-101 Estimated Cost of Construction \$26,100

Subdivision Name Columbia Meadows Lot 1 Block _____ Unit _____ Phase _____

Driving Directions 47 south to CR 240, Turn Left, Go 1 mile Home on Right at Peace Road.

Number of Existing Dwellings on Property 1

Construction of Sgl Family Home Completion Total Acreage 4 Lot Size _____

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

Actual Distance of Structure from Property Lines - Front _____ Side _____ Side _____ Rear _____

Number of Stories 1 Heated Floor Area _____ Total Floor Area _____ Roof Pitch _____

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 2010 and the 2008 National Electrical Code.**

*Culvert Permit
1683 old system*

2829

Columbia County Building Permit Application

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

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

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

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

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

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

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



(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 CBC 1258040
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6 day of June 2012.
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



Corporate Warranty Deed

Inst: 201212002661 Date: 2/21/2012 Time: 3:41 PM
Doc Stamp Deed: 3184.00
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1230 P: 333

This Indenture, made, February 17, 2012 A.D.
Between

Mountaintop Ministries Worldwide, Inc., a Florida non-profit corporation
whose post office address is: PO Box 3092, Lake City, Florida 32056, Grantor and
Mark A. Magstadt and Tammy D. Magstadt, husband and wife whose post
office address is: PO Box 543, Lake City, Florida 32056, 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:

**Lots 1 and 2, Columbia Meadows, a subdivision according to the plat thereof as recorded in Plat Book 5,
Pages 88 and 88A 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: 11-SS-16-03564-101 and 11-SS-16-03564-102

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.

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.

Mountaintop Ministries Worldwide, Inc., a Florida non-profit
corporation

By:

James M. Burbach
Its: President

Signed and Sealed in Our Presence:

Melinda Weaver
Witness Print Name: MELINDA WEAVER

Matthew D. Rocco
Witness Print Name: Matthew D. Rocco

(Corporate Seal)

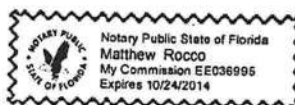
State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 17th day of February, 2012, by James M. Burbach, the President of
Mountaintop Ministries Worldwide, Inc., a Florida non-profit corporation, on behalf of the corporation.
He is personally known to me or has produced _____ as identification.

Notary Public
Notary Printed Name: _____ (Seal)

My Commission Expires::

Prepared by & Return to:
Matt Rocco
Sierra Title, LLC
419 SW SR 247, Suite 109
Lake City, Florida 32025
File Number: 11-0194



June 4th, 2012

Columbia County Building and Zoning
Chief Building Official
135 NE Hernando Ave.
Lake City, FL 32055

Re: Completion Schedule for 5110 SW 240

To Whom It May Concern:

The following is a progress report for the renewal application for the permit for the above referenced project. We are noting that the following items remain for completion.

- Final Painting & Coatings
- Front porch railing
- Tile flooring finishes int. and ext.
- Final Hardware Install
- Final Trim and Cabinet Details
- Railing at Top of Stairs
- Closet shelving install brackets upstairs, down stairs needs rods and brackets.
- Electrical final trim out
- Plumbing final trim out
- HVAC power up
- Master shower glass enclosure
- Appliances installed
- Final termite spray and sticker
- Build steps in garage
- Final Landscaping

Estimated cost of completion is \$26,100.00. Please contact me with any questions.



Aaron Nickelson

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001683

DATE 01/26/2010 PARCEL ID # 11-5S-16-03564-101
APPLICANT SAMATHA HARRINGTON PHONE 719-7143
ADDRESS 125 SW MIDTOWN PLACE LAKE CITY FL 32025
OWNER CHARLES & MARLENE MEADE PHONE _____
ADDRESS 5110 SW CR 240 LAKE CITY FL 32024
CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143
LOCATION OF PROPERTY 47-S TO C-240, TL TO PEACE ROAD, TR, 1ST PARCEL ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COLUMBIA MEADOWS 1

SIGNATURE

[Handwritten signatures]

INSTALLATION REQUIREMENTS

☒ X

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☒ X

Other FEE CHARGED ON PERMIT #27443

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid no charge



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Meade - 2x6	Builder:	Burbach Construction
Address:	Lot: 1, Sub: Columbia Mdws, Plat:	Permitting Office:	Columbia County
City, State:	Columbia County, FL 32024-	Permit Number:	27493
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 14.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 42.0 kBtu/hr
5. Is this a worst case?	No		SEER: 14.00
6. Conditioned floor area (ft²)	4695 ft²	c. N/A	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default) 749.7 ft²			HSPF: 8.00
b. SHGC:	7b. (Clear) 749.7 ft²	b. Electric Heat Pump	Cap: 42.0 kBtu/hr
(or Clear or Tint DEFAULT)			HSPF: 8.00
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=5.0, 374.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 100.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. Electric Resistance	Cap: 100.0 gallons
a. Frame, Wood, Exterior	R=19.0, 2998.3 ft²		EF: 0.90
b. Frame, Wood, Adjacent	R=13.0, 264.0 ft²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	PT,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 4930.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts(Leak Free)		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		
b. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		

Glass/Floor Area: 0.16

Total as-built points: 43391

Total base points: 50349

PASS

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

PREPARED BY: [Signature]DATE: 10/2/08

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	4695.0	18.59	15710.0	1.Double, Clear	S	1.5	10.0	18.0	35.87	0.96	619.0
				2.Double, Clear	E	1.5	12.0	21.0	42.06	0.99	875.0
				3.Double, Clear	SE	1.5	12.0	21.0	42.75	0.99	892.0
				4.Double, Clear	E	1.5	12.0	42.0	42.06	0.99	1750.0
				5.Double, Clear	S	1.5	12.0	56.0	35.87	0.98	1976.0
				6.Double, Clear	W	1.5	12.0	28.0	38.52	0.99	1069.0
				7.Double, Clear	W	4.5	12.0	48.0	38.52	0.82	1511.0
				8.Double, Clear	S	13.8	12.0	28.0	35.87	0.50	500.0
				9.Double, Clear	SW	15.0	12.0	28.0	40.16	0.45	503.0
				10.Double, Clear	W	25.0	12.0	28.0	38.52	0.41	437.0
				11.Double, Clear	S	22.0	12.0	21.3	35.87	0.46	348.0
				12.Double, Clear	SE	4.5	12.0	48.0	42.75	0.76	1569.0
				13.Double, Clear	S	1.5	10.0	24.0	35.87	0.96	826.0
				14.Double, Clear	W	1.5	10.0	24.0	38.52	0.98	905.0
				15.Double, Clear	NW	3.0	10.0	48.0	25.97	0.89	1115.0
				16.Double, Clear	W	6.5	10.0	32.0	38.52	0.65	797.0
				17.Double, Clear	SW	3.0	10.0	48.0	40.16	0.84	1613.0
				18.Double, Clear	NW	1.5	10.0	8.0	25.97	0.98	204.0
				19.Double, Clear	N	1.5	10.0	8.0	19.20	0.98	150.0
				20.Double, Clear	NE	1.5	10.0	8.0	29.56	0.98	231.0
				21.Double, Clear	E	1.5	10.0	4.2	42.06	0.98	171.0
				22.Double, Clear	N	1.5	10.0	72.0	19.20	0.98	1357.0
				23.Double, Clear	N	9.5	17.0	40.0	19.20	0.81	622.0
				24.Double, Clear	NW	1.5	10.0	4.2	25.97	0.98	106.0
				25.Double, Clear	E	1.5	10.0	36.0	42.06	0.98	1481.0
				26.Double, Clear	E	1.5	8.0	6.0	42.06	0.96	241.0
				As-Built Total:		749.7			21868.0		
WALL TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Adjacent	264.0	0.70	184.8	1. Frame, Wood, Exterior		19.0		2998.3		0.90 2698.5	
Exterior	2998.3	1.70	5097.1	2. Frame, Wood, Adjacent		13.0		264.0		0.60 158.4	
Base Total: 3262.3 5281.9				As-Built Total:		3262.3		2856.9			
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	20.0	2.40	48.0	1.Adjacent Insulated				20.0		1.60 32.0	
Exterior	0.0	0.00	0.0								
Base Total: 20.0 48.0				As-Built Total:		20.0		32.0			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT						
CEILING TYPES Area X BSPM = Points				Type	R-Value	Area X SPM X SCM =	Points			
Under Attic	4695.0	1.73	8122.4	1. Under Attic	30.0	4930.0 1.73 X 1.00	8528.9			
Base Total:	4695.0		8122.4	As-Built Total:		4930.0	8528.9			
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM =	Points			
Slab	374.0(p)	-37.0	-13838.0	1. Slab-On-Grade Edge Insulation	5.0	374.0(p) -36.20	-13538.8			
Raised	0.0	0.00	0.0							
Base Total:			-13838.0	As-Built Total:		374.0	-13538.8			
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
	4695.0	10.21	47935.9			4695.0 10.21	47935.9			
Summer Base Points: 63260.2				Summer As-Built Points: 67682.9						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Cooling Points
63260.2	0.3250		20559.6	(sys 1: Central Unit 41000btuh ,SEER/EFF(14.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)						
				67683	0.49	(1.09 x 1.000 x 1.11)	0.244	0.950	9368.4	
				(sys 2: Central Unit 42000btuh ,SEER/EFF(14.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)						
				67683	0.51	(1.09 x 1.000 x 1.11)	0.244	0.950	9596.9	
				67682.9	1.00	1.210	0.244	0.950	18965.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	4695.0	20.17	17046.0	1.Double, Clear	S	1.5	10.0	18.0	13.30	1.01	242.0
				2.Double, Clear	E	1.5	12.0	21.0	18.79	1.01	397.0
				3.Double, Clear	SE	1.5	12.0	21.0	14.71	1.02	313.0
				4.Double, Clear	E	1.5	12.0	42.0	18.79	1.01	795.0
				5.Double, Clear	S	1.5	12.0	56.0	13.30	1.00	742.0
				6.Double, Clear	W	1.5	12.0	28.0	20.73	1.00	581.0
				7.Double, Clear	W	4.5	12.0	48.0	20.73	1.05	1047.0
				8.Double, Clear	S	13.8	12.0	28.0	13.30	2.98	1109.0
				9.Double, Clear	SW	15.0	12.0	28.0	16.74	1.73	809.0
				10.Double, Clear	W	25.0	12.0	28.0	20.73	1.22	710.0
				11.Double, Clear	S	22.0	12.0	21.3	13.30	3.47	984.0
				12.Double, Clear	SE	4.5	12.0	48.0	14.71	1.22	860.0
				13.Double, Clear	S	1.5	10.0	24.0	13.30	1.01	323.0
				14.Double, Clear	W	1.5	10.0	24.0	20.73	1.01	500.0
				15.Double, Clear	NW	3.0	10.0	48.0	24.30	1.01	1172.0
				16.Double, Clear	W	6.5	10.0	32.0	20.73	1.12	740.0
				17.Double, Clear	SW	3.0	10.0	48.0	16.74	1.09	876.0
				18.Double, Clear	NW	1.5	10.0	8.0	24.30	1.00	194.0
				19.Double, Clear	N	1.5	10.0	8.0	24.58	1.00	196.0
				20.Double, Clear	NE	1.5	10.0	8.0	23.57	1.00	188.0
				21.Double, Clear	E	1.5	10.0	4.2	18.79	1.01	79.0
				22.Double, Clear	N	1.5	10.0	72.0	24.58	1.00	1769.0
				23.Double, Clear	N	9.5	17.0	40.0	24.58	1.01	993.0
				24.Double, Clear	NW	1.5	10.0	4.2	24.30	1.00	101.0
				25.Double, Clear	E	1.5	10.0	36.0	18.79	1.01	685.0
				26.Double, Clear	E	1.5	8.0	6.0	18.79	1.02	114.0
				As-Built Total:		749.7			16519.0		
WALL TYPES											
Area X BWPM = Points				Type	R-Value	Area X WPM = Points					
Adjacent	264.0	3.60	950.4	1. Frame, Wood, Exterior	19.0	2998.3	2.20	6596.3			
Exterior	2998.3	3.70	11093.7	2. Frame, Wood, Adjacent	13.0	264.0	3.30	871.2			
Base Total:				As-Built Total:		3262.3			7467.5		
3262.3				12044.1							
DOOR TYPES											
Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	11.50	230.0	1.Adjacent Insulated	20.0		8.00	160.0			
Exterior	0.0	0.00	0.0								
Base Total:				As-Built Total:		20.0			160.0		
20.0				230.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT					
CEILING TYPES Area X BWPM = Points				Type	R-Value	Area X WPM X WCM =	Points		
Under Attic	4695.0	2.05	9624.8	1. Under Attic	30.0	4930.0 2.05 X 1.00	10106.5		
Base Total:	4695.0		9624.8	As-Built Total:		4930.0	10106.5		
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM =	Points		
Slab	374.0(p)	8.9	3328.6	1. Slab-On-Grade Edge Insulation	5.0	374.0(p) 7.60	2842.4		
Raised	0.0	0.00	0.0						
Base Total:			3328.6	As-Built Total:		374.0	2842.4		
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
	4695.0	-0.59	-2770.0			4695.0 -0.59	-2770.0		
Winter Base Points: 39503.4				Winter As-Built Points: 34325.3					
Total Winter X Points	System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
39503.4	0.5540	21884.9		(sys 1: Electric Heat Pump 41000 btuh ,EFF(8:0) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
			34325.3	0.494	(1.069 x 1.000 x 1.10)	0.426	0.950	8073.8	
			(sys 2: Electric Heat Pump 42000 btuh ,EFF(8.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0						
			34325.3	0.506	(1.069 x 1.000 x 1.10)	0.426	0.950	8270.7	
			34325.3	1.00	1.176	0.426	0.950	16344.5	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier
3		2635.00	7905.0	100.0	0.90	3		0.50	2693.56	1.00
				100.0	0.90	3		0.50	2693.56	1.00
				As-Built Total:						

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

, Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 14.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 42.0 kBtu/hr
5. Is this a worst case?	No		SEER: 14.00
6. Conditioned floor area (ft ²)	4695 ft ²	c. N/A	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 749.7 ft ²		HSPF: 8.00
b. SHGC:		b. Electric Heat Pump	Cap: 42.0 kBtu/hr
(or Clear or Tint DEFAULT)	7b. (Clear) 749.7 ft ²		HSPF: 8.00
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=5.0, 374.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 100.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. Electric Resistance	Cap: 100.0 gallons
a. Frame, Wood, Exterior	R=19.0, 2998.3 ft ²		EF: 0.90
b. Frame, Wood, Adjacent	R=13.0, 264.0 ft ²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	PT,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 4930.0 ft ²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts(Leak Free)		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		
b. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		

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

Builder Signature: _____ Date: _____

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



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

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

Energy Code Compliance

Duct System Performance Report

Project Name: Meade - 2x6 Address: City, State: Columbia County, FL 32024- Owner: Climate Zone: North	Builder: Permitting Office: Burbach Construction Permit Number: Jurisdiction Number: Columbia County
---	---

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) <input type="checkbox"/> Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) <input type="checkbox"/> Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
 Printed Name: _____
 Florida Rater Certification #: _____
 DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
DATE: _____

BUILDING INPUT SUMMARY REPORT

PROJECT	Title: Meade - 2x6		Family Type: Single		Address Type: Lot Information	
	Owner: (blank)		New/Existing: New		Lot #: 1	
	# of Units: 1		Bedrooms: 3		Subdivision: Columbia Mdws	
	Builder Name: Burbach Construction		Conditioned Area: 4695		Platbook: (blank)	
	Climate: North		Total Stories: 1		Street: N/A	
	Permit Office: Columbia County		Worst Case: No		County: (blank)	
	Jurisdiction #: (blank)		Rotate Angle: (blank)		City, St, Zip: Columbia County, FL, 32024-	

FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units
	1	Slab-On-Grade Edge Insulation	5.0	374.0(p) ft	1

DOORS	#	Door Type	Orientation	Area	Units
	1	Insulated	Adjacent	20.0 ft²	1

CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units
	1	Under Attic	30.0	4930.0 ft²	4695.0 ft²	1
Credit Multipliers: None						

COOLING	#	System Type	Efficiency	Capacity
	1	Central Unit	SEER: 14.00	41.0 kBtu/hr
	2	Central Unit	SEER: 14.00	42.0 kBtu/hr
Credit Multipliers: PT				

WALLS	#	Wall Type	Location	R-Val	Area	Units
	1	Frame - Wood	Exterior	19.0	2998.3 ft²	1
	2	Frame - Wood	Adjacent	13.0	264.0 ft²	1

HEATING	#	System Type	Efficiency	Capacity
	1	Electric Heat Pump	HSPF: 8.00	41.0 kBtu/hr
	2	Electric Heat Pump	HSPF: 8.00	42.0 kBtu/hr
Credit Multipliers: PT				

WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	S	18.0 ft²	1.5 ft	10.0 ft	1
	2	Double	Clear	E	21.0 ft²	1.5 ft	12.0 ft	1
	3	Double	Clear	SE	21.0 ft²	1.5 ft	12.0 ft	1
	4	Double	Clear	E	21.0 ft²	1.5 ft	12.0 ft	2
	5	Double	Clear	S	28.0 ft²	1.5 ft	12.0 ft	2
	6	Double	Clear	W	28.0 ft²	1.5 ft	12.0 ft	1
	7	Double	Clear	W	24.0 ft²	4.5 ft	12.0 ft	2
	8	Double	Clear	S	28.0 ft²	13.8 ft	12.0 ft	1
	9	Double	Clear	SW	28.0 ft²	15.0 ft	12.0 ft	1
	10	Double	Clear	W	28.0 ft²	25.0 ft	12.0 ft	1
	11	Double	Clear	S	21.3 ft²	22.0 ft	12.0 ft	1
	12	Double	Clear	SE	24.0 ft²	4.5 ft	12.0 ft	2
	13	Double	Clear	S	24.0 ft²	1.5 ft	10.0 ft	1
	14	Double	Clear	W	12.0 ft²	1.5 ft	10.0 ft	2
	15	Double	Clear	NW	48.0 ft²	3.0 ft	10.0 ft	1
	16	Double	Clear	W	16.0 ft²	6.5 ft	10.0 ft	2
	17	Double	Clear	SW	48.0 ft²	3.0 ft	10.0 ft	1
	18	Double	Clear	NW	8.0 ft²	1.5 ft	10.0 ft	1
	19	Double	Clear	N	8.0 ft²	1.5 ft	10.0 ft	1
	20	Double	Clear	NE	8.0 ft²	1.5 ft	10.0 ft	1
	21	Double	Clear	E	4.2 ft²	1.5 ft	10.0 ft	1
	22	Double	Clear	N	12.0 ft²	1.5 ft	10.0 ft	6
	23	Double	Clear	N	20.0 ft²	9.5 ft	17.0 ft	2
	24	Double	Clear	NW	4.2 ft²	1.5 ft	10.0 ft	1
	25	Double	Clear	E	18.0 ft²	1.5 ft	10.0 ft	2
	26	Double	Clear	E	6.0 ft²	1.5 ft	8.0 ft	1

DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
	1	Uncond.	Uncond.	Attic	6.0	60.0 ft
	2	Uncond.	Uncond.	Attic	6.0	60.0 ft
Credit Multipliers: Leak free						

WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF
	1	Electric Resistance	0.90	100.0	None	0.00
	2	Electric Resistance	0.90	100.0	None	0.00

REFR.	#	Use Default?	Annual Operating Cost	Electric Rate
	1	Yes	N/A	N/A

MISC	Rater Name:	CodeOnlyPro	Class #:	3	Pool Size:	0
	Rater Certification #:	CodeOnlyPro	Duct Leakage Type:	N/A	Pump Size:	0.00 hp
	Area Under Fluorescent:	0.0	Visible Duct Disconnects:	N/A	Dryer Type:	Electric
	Area Under Incandescent:	4695.0	Leak Free Duct System Proposed:	Yes	Stove Type:	Electric
	NOTE: Not all Rating info shown		HRV/ERV System Present?:	No	Avg Ceil Hgt:	

Application for Onsite Sewage Disposal

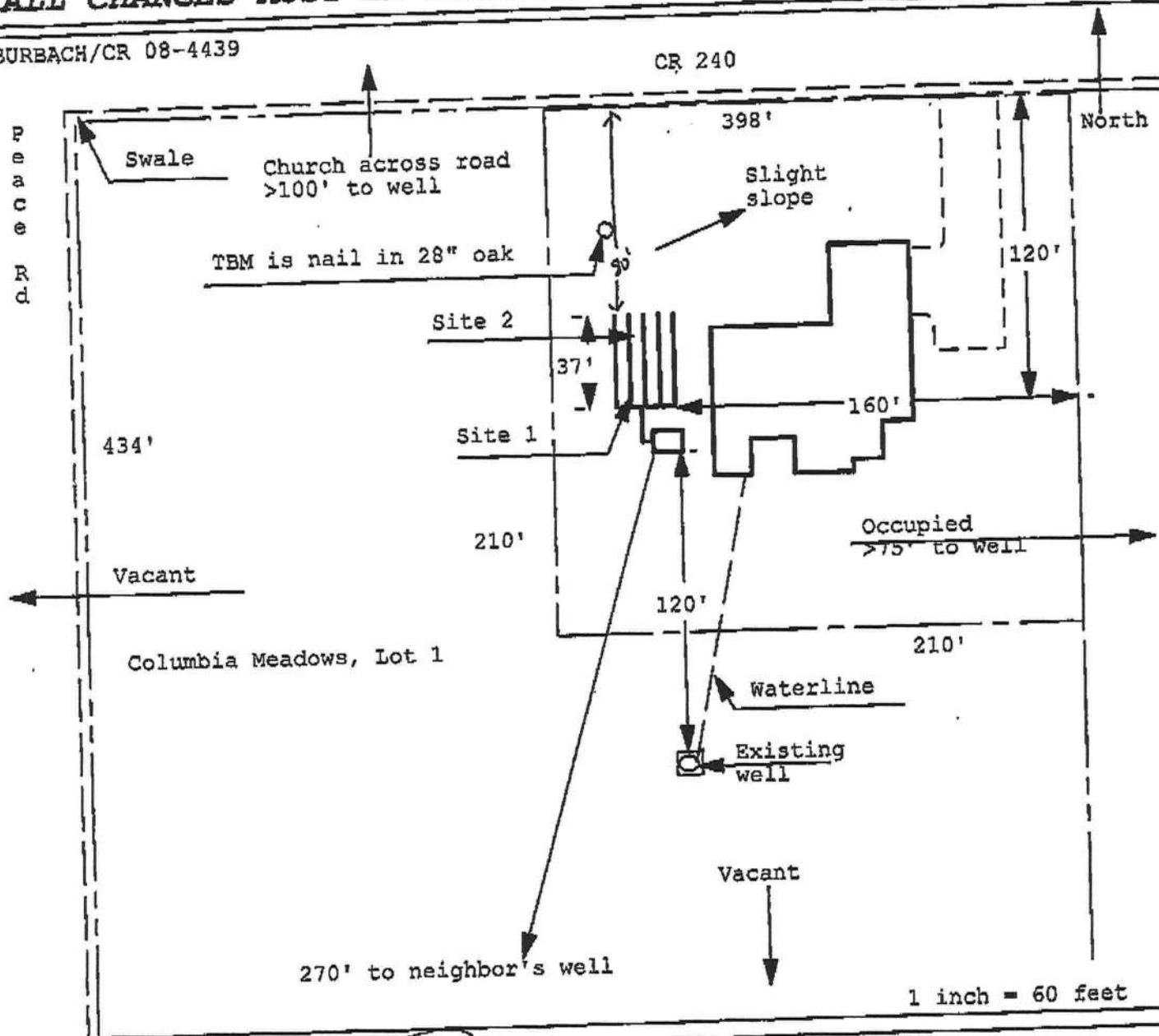
Construction Permit. Part II Site Plan

Permit Application Number: 08-0518

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BURBACH/CR 08-4439

CR 240

Site Plan Submitted By Paul H. H. H.Date 7/21/08Plan Approved ☒Not Approved ☐Date 7/29/08By Mr. S. H.

Columbia

CPHU

Notes: _____

Unat'l...
 11-11-10 the 29, 11-11-10
 Still permit on
 still good.

Columbia County Building Permit Application

For Office Use Only Application # 0809-61 Date Received 9/26/08 By G Permit # 24443/1683

Zoning Official BLK Date 10.10.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE Left River N/A Plans Examiner UN Date 10/2/08

Comments Legal New Conveying Lot of Record, Per Co. Engineer Required Paved Driveway & sub distributed

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

☐ Dev Permit # _____ ☐ In Floodway ☒ Letter of Authorization from Contractor For Town Hall

☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 08-0518 Call "697-6566" Town Eng

Name Authorized Person Signing Permit James Burbach Phone 487-0750

Address 507 W. Duval St. L.C. 32055

Owners Name Charles & Marlene Meade Phone _____

911 Address 5110 SW CR 240 Lake City, FL 32024

Contractors Name Burbach Construction Services, Inc. Phone 386-487-0750

Address 507 W. Duval Street Lake City, FL 32055

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Mark Disasway Po Box 868 Lake City, FL 32056

Mortgage Lenders Name & Address Capital City Bank 4040 NW 16th Ave Gainesville, FL 32605

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

Property ID Number 11-55-16-03564-101 Estimated Cost of Construction 225,000.

Subdivision Name Columbia Meadows Lot 2 Block _____ Unit _____ Phase _____

Driving Directions SW on SR 47 to CR 240. Turn Left onto 240. Turn Right on SW Peace Rd. First parcel on Left.

Number of Existing Dwellings on Property 2

Construction of Custom home SFD Total Acreage 4.01 Lot Size _____

Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 19'

Actual Distance of Structure from Property Lines - Front 60' Side 60' Side 75' Rear 62'

Number of Stories 2 Heated Floor Area 3420 Total Floor Area 4533 Roof Pitch 12/6 & 12/9

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.

4695 6245 6245

#2666

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

July 22, 2008

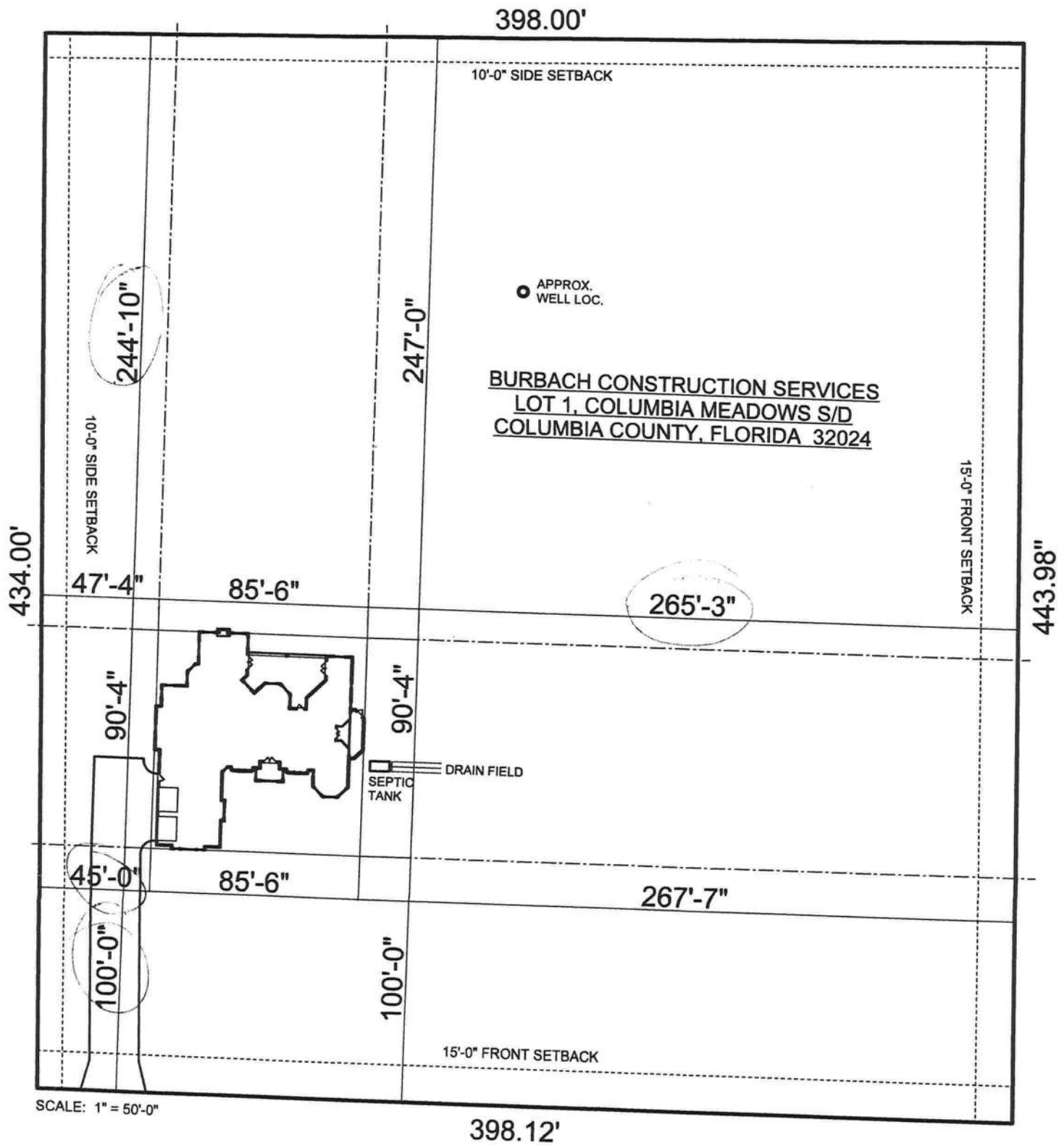
Notice To All Contractors:
Attn: Isaac Construction

Please be advised that due to the new building codes we will
Use a large capacity diaphragm tank on all new well.
This will insure a minimum of one (1) minute draw down or
One (1) minute refill. If a smaller diaphragm tank is used then
We will install a cycle stop valve which will produce the same
Results. All wells will have a pump & tank combination that
Will be sufficient enough for each situation.

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

Thank You,

Donald Hall



COUNTY ROAD 240



COLUMBIA COUNTY 9-1-1 ADDRESSING

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

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

Addressing Maintenance

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

DATE REQUESTED: 11/2/2007 DATE ISSUED: 11/5/2007

ENHANCED 9-1-1 ADDRESS:

5110 SW COUNTY ROAD 240
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

11-5S-16-03564-101

Remarks:

LOT 1 COLUMBIA MEADOWS S/D.

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

NOV 05 2007

911Addressing/GIS Dept

1013

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001683

DATE 10/22/2008 PARCEL ID # 11-5S-16-03564-101
APPLICANT JAMES BURBACH PHONE 487.0750
ADDRESS 507 W DUVAL STREET LAKE CITY FL 32055
OWNER CHARLES & MARLENE MEADE PHONE _____
ADDRESS 5110 SW CR 240 LAKE CITY FL 32024
CONTRACTOR JAMES BURBACH PHONE 386.487.0750
LOCATION OF PROPERTY 47-S TO C-240, TL TO PEACE ROAD, TR, 1ST PARCEL ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COLUMBIA MEADOWS 1

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00





SPV
STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 11-0423
DATE PAID: 11/12/11
FEE PAID: 90.00
RECEIPT #: 1285292

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Double MM Ranch LLC

AGENT: ROCKY FORD, A & B CONSTRUCTION

TELEPHONE: 386-497-2311

MAILING ADDRESS: P.O. BOX 39 FT. WHITE, FL, 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 1 BLOCK: na SUB: Columbia Meadows S/D PLATTED: 1987

PROPERTY ID #: 11-5S-16-03564-101 ZONING: Res. I/M OR EQUIVALENT: [Y / ☒ N]

PROPERTY SIZE: 4.01 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC [] ≤ 2000 GPD [] > 2000 GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / ☒ N] DISTANCE TO SEWER: — FT

PROPERTY ADDRESS: 5110 SW County Road 240, Lake City, FL, 32024

DIRECTIONS TO PROPERTY: 47 South, TL on CR 240, 1 mile on right (first drive on Rt past SW Pearce Dr)

BUILDING INFORMATION

☒ RESIDENTIAL [] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
---------	-----------------------	-----------------	--------------------	--

1	SF Residential	4	3430	SDO 6-PD
2				
3				

☒ Floor/Equipment Drains ☒ Other (Specify)

SIGNATURE: Rocky D Ford DATE: 11/15/2011



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

PERMIT #: 12-SC-1379217
APPLICATION #: AP1053100
DATE PAID: 11/17/11
FEE PAID: 310.00
RECEIPT #: 1785292
DOCUMENT #: PR859829

CONSTRUCTION PERMIT FOR: OSTDS New

APPLICANT: DOUBLE MM RANCH LLC

PROPERTY ADDRESS: 5110 SW CR 240 Lake City, FL 32024

LOT: 1 BLOCK: SUBDIVISION: Columbia Meadows

PROPERTY ID #: 03564-101 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]
[OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [1,200] GALLONS / GPD Septic CAPACITY
A [] GALLONS / GPD N/A CAPACITY
N [] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]
K [] GALLONS DOSING TANK CAPACITY [] GALLONS @ [] DOSES PER 24 HRS #Pumps []

D [625] SQUARE FEET Drainfield SYSTEM
R [] SQUARE FEET N/A SYSTEM

A TYPE SYSTEM: [x] STANDARD [] FILLED [] MOUND []

I CONFIGURATION: [x] TRENCH [] BED []

N

F LOCATION OF BENCHMARK: Nail in Oak tree North of system site.

I ELEVATION OF PROPOSED SYSTEM SITE [24.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT

E BOTTOM OF DRAINFIELD TO BE [54.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT

L

D FILL REQUIRED: [0.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES

O The licensed contractor installing the system is responsible for installing the minimum category of tank in accordance with s. 64E-6.013(3)(f), FAC.

T

H

E

R

SPECIFICATIONS BY: Rocky D Ford

TITLE: Master Contract

APPROVED BY: [Signature] TITLE: Environmental Specialist I

Columbia CHD

DATE ISSUED: 11/23/2011

EXPIRATION DATE: 05/23/2013

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)

Incorporated: 64E-6.003, FAC

v 1.1.1

AP1053100

SK856769

Page 1 of 3

SE



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION INSPECTION AND FINAL APPROVAL

APPLICATION #: AP1053100

PERMIT #: 12-SC-1379217

DOCUMENT #: FI853854

DATE PAID: 11/17/2011

FEE PAID: 310.00

RECEIPT #: 12-PID-1785292

APPLICANT: DOUBLE MM RANCH LLC

AGENT: ROCKY FORD (A&B CONSTRUCTION)

PROPERTY ADDRESS: 5110 SW CR 240 Lake City, FL 32024

LOT: 1

BLOCK:

SUBDIVISION: Columbia Meadows

ID#: 03564-101

CHECKED ☒ ITEMS ARE NOT IN COMPLIANCE WITH STATUTE OR RULE AND MUST BE CORRECTED.

TANK INSTALLATION		SETBACKS	
<input type="checkbox"/>	[01] TANK SIZE [1] <u>1350.00</u> [2] _____	<input type="checkbox"/>	[27] SURFACE WATER <u>na</u> FT
<input type="checkbox"/>	[02] TANK MATERIAL <u>Concrete</u>	<input type="checkbox"/>	[28] DITCHES <u>90</u> FT
<input type="checkbox"/>	[03] OUTLET DEVICE _____	<input type="checkbox"/>	[29] PRIVATE WELLS <u>100+</u> FT
<input type="checkbox"/>	[04] MULTI-CHAMBERED <input type="checkbox"/> Y / <input type="checkbox"/> N	<input type="checkbox"/>	[30] PUBLIC WELLS <u>na</u> FT
<input type="checkbox"/>	[05] OUTLET FILTER <u>Tuf-Tite</u>	<input type="checkbox"/>	[31] IRRIGATION WELLS <u>na</u> FT
<input type="checkbox"/>	[06] LEGEND 1. <u>34-107-13DC3</u> 2. _____	<input type="checkbox"/>	[32] POTABLE WATER _____ FT
<input checked="" type="checkbox"/>	[07] WATERTIGHT	<input type="checkbox"/>	[33] BUILDING FOUNDATIONS <u>9</u> FT
<input type="checkbox"/>	[08] LEVEL	<input type="checkbox"/>	[34] PROPERTY LINES <u>67</u> FT
<input type="checkbox"/>	[09] DEPTH TO LID	<input type="checkbox"/>	[35] OTHER <u>na</u> FT
DRAINFIELD INSTALLATION		FILLED / MOUND SYSTEM	
<input type="checkbox"/>	[10] AREA [1] <u>636</u> [2] _____ SQFT	<input type="checkbox"/>	[36] DRAINFIELD COVER
<input type="checkbox"/>	[11] DISTRIBUTION BOX _____ HEADER <input checked="" type="checkbox"/> X	<input type="checkbox"/>	[37] SHOULDERS
<input type="checkbox"/>	[12] NUMBER OF DRAINLINES <u>1. 4.00</u> 2. _____	<input type="checkbox"/>	[38] SLOPES
<input type="checkbox"/>	[13] DRAINLINE SEPARATION	<input type="checkbox"/>	[39] STABILIZATION _____
<input type="checkbox"/>	[14] DRAINLINE SLOPE	ADDITIONAL INFORMATION	
<input type="checkbox"/>	[15] DEPTH OF COVER	<input type="checkbox"/>	[40] UNOBSTRUCTED AREA
<input type="checkbox"/>	[16] ELEVATION <input type="checkbox"/> ABOVE / <input checked="" type="checkbox"/> BELOW <u>54.00</u>	<input type="checkbox"/>	[41] STORMWATER RUNOFF
<input type="checkbox"/>	[17] SYSTEM LOCATION	<input type="checkbox"/>	[42] ALARMS
<input type="checkbox"/>	[18] DOSING PUMPS _____	<input type="checkbox"/>	[43] MAINTENANCE AGREEMENT
<input type="checkbox"/>	[19] AGGREGATE SIZE	<input type="checkbox"/>	[44] BUILDING AREA
<input type="checkbox"/>	[20] AGGREGATE EXCESSIVE FINES	<input type="checkbox"/>	[45] LOCATION CONFORMS WITH SITE PLAN
<input type="checkbox"/>	[21] AGGREGATE DEPTH	<input type="checkbox"/>	[46] FINAL SITE GRADING
FILL / EXCAVATION MATERIAL		<input type="checkbox"/>	[47] CONTRACTOR <u>(A & B Construction, Inc.)</u>
<input type="checkbox"/>	[22] FILL AMOUNT	<input type="checkbox"/>	[48] OTHER <u>PTI MPRDS (9 pipes - 2 tier)</u>
<input type="checkbox"/>	[23] FILL TEXTURE	ABANDONMENT	
<input type="checkbox"/>	[24] EXCAVATION DEPTH	<input type="checkbox"/>	[49] TANK PUMPED _____
<input type="checkbox"/>	[25] AREA REPLACED	<input type="checkbox"/>	[50] TANK CRUSHED & FILLED _____
<input type="checkbox"/>	[26] REPLACEMENT MATERIAL		

Comments:

CONSTRUCTION ☒ APPROVED / DISAPPROVED ☐ Environmental Specialist Jeremy X Gifford Columbia CHD DATE: 12/02/2011

FINAL SYSTEM ☒ APPROVED / DISAPPROVED ☐ CHD DATE: _____

(Explanation of Violations on following page)

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)
Incorporated: 64E-6.003, FAC

EH Database v 1.0.1

AP1053100

RD1379217

Page 2 of 3

**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED 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 Residential Code (Florida Wind speed map) SHALL BE USED.

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

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

GENERAL REQUIREMENTS:

- ✓ Two (2) complete sets of plans containing the following:
- ✓ All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- ✓ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ✓ 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 per FBC 106.1.

Site Plan information including:

- ✓ Dimensions of lot or parcel of land
- ✓ Dimensions of all building set backs
- ✓ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ✓ Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- ✓ Plans or specifications must meet state compliance with FRC Chapter 3
- ✓ The following information must be shown as per section FRC
- ✓ Basic wind speed (3-second gust), miles per hour
- ✓ Wind importance factor and nature of occupancy
- ✓ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ✓ The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not speciffaly designed by the registered design professional.

Elevations Drawing including:

- ✓ All side views of the structure
- ✓ Roof pitch
- ✓ Overhang dimensions and detail with attic ventilation
- ✓ Location, size and height above roof of chimneys
- ✓ Location and size of skylights with Florida Product Approval
- ✓ Number of stories
- ✓ e) Building height from the established grade to the roofs highest peak



Floor Plan including:

- ✓ Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
 - ✓ All exterior and interior shear walls indicated
 - ✓ Shear wall opening shown (Windows, Doors and Garage doors)
 - ✓ Emergency escape and rescue opening in each bedroom (net clear opening shown)
 - ✓ Safety glazing of glass where needed
 - ✓ Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
 - ✓ Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
 - ✓ Plans must show and identify accessibility of bathroom (see FRC 322)
- All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- ✓ a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- ✓ b) All posts and/or column footing including size and reinforcing
- ✓ c) Any special support required by soil analysis such as piling.
- ✓ d) Assumed load-bearing value of soil _____ (psf)
- ✓ e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

- ✓ Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- ✓ Show all materials making up walls, wall height, and Block size, mortar type
 - ✓ 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

- ✓ Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- ✓ Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers
- ✓ Girder type, size and spacing to load bearing walls, stem wall and/or piers
- ✓ Attachment of joist to girder
- ✓ Wind load requirements where applicable
- ✓ Show required under-floor crawl space
- ✓ Show required amount of ventilation opening for under-floor spaces
- ✓ Show required covering of ventilation opening.
- ✓ Show the required access opening to access to under-floor spaces
- ✓ Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- ✓ Show Draft stopping, Fire caulking and Fire blocking
- ✓ Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- ✓ Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- ✓ Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- ✓ Fastener schedule for structural members per table R602.3 (1) are to be shown.
- ✓ 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
- ✓ 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.
- ✓ Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- ✓ Indicate where pressure treated wood will be placed.
- ✓ 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

ROOF SYSTEMS:

- ✓ Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- ✓ Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- ✓ Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- ✓ Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

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

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- ✓ Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- ✓ Include all materials which will make up the roof assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- ✓ Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- ✓ Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- ✓ Manual J sizing equipment or equivalent computation
- ✓ Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- ✓ All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- ✓ Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- ✓ Ceiling fans
- ✓ Smoke detectors
- ✓ Service panel, sub-panel, location(s) and total ampere ratings

- ✓ 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.
- ✓ Appliances and HVAC equipment and disconnects
- ✓ Arc Fault Circuits (AFCI) in bedrooms
- ✓ Notarized Disclosure Statement for Owner Builders
- ✓ Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- ✓ Size of pump motor
- ✓ Size of pressure tank
- ✓ Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- ✓ Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- ✓ 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.
- ✓ Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- ✓ City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- ✓ 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 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 8.8 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 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.** A development permit will also be required. The permit cost is \$50.00.
- ✓ 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.
- ✓ 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 11-55-16-03564-101

Project Name: Burbach

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	Plast Pro, Inc	3068 + 6068 Fiberglass	4760.1 & 4760.2
2. Sliding	Capital	8065	7055.1
3. Sectional	Raynor	Classical sect garage door	FL-3070
4. Roll up	Sonus	model 3100-rolling sheet door	FL-2274
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Capital	48x84	6029.7
2. Horizontal Slider	Capital	126x59	6024.4
3. Casement			
4. Double Hung	Danvid	Single Hung Windows	FL-1369
5. Fixed	Capital	96x72	6028.20
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Alcoa	Vinyl Siding	FL-1621
2. Soffits	AST Building Pro	Aluminum + Vinyl Soffit	FL-5546 1 & 2
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 shingle asphalt	FL-373
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
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			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson Strong	Wood connectors/anchors	FI-1474
2. Truss plates	alpine engineered	pro built -alpine truss plates	FI-1999
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. 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.			

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

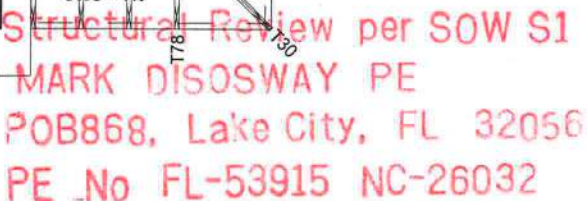
I understand these products may have to be removed if approval cannot be demonstrated during inspection

Samantha Harrington
Contractor or Contractor's Authorized Agent Signature

Samantha Harrington
Print Name Date

Location

Permit # (FOR STAFF USE ONLY)



THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 15.16 ft mean ht, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 1, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 Gcp(+/-)=0.18

Wind reactions based on MMFRS pressures.

Trusses to be spaced at 16.0" OC maximum.

Collar-tie braced with continuous lateral bracing at 24" OC. on rigid ceiling.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25),

7.36.00.0424.12

QTY:13 FL/-/4/-/-/R/-

Scale = .25"/Ft.

NOTED. THESE TRUSS REQUIRE EXTREME CARE IN FABRICATION, REFER TO BCS (BUILDING COMPONENT SAFETY INFORMATION), HANDED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND RICA (RIBBON TRUSS COUNCIL, OF AMERICA, 6500 ENTERPRISE LANE, MADISON, SC 29176) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



TC LL	20.0 PSF	REF	R8228 - 40173
TC DL	10.0 PSF	DATE	09/02/08
BC DL	10.0 PSF	DRW	HCUSR8228 08246123
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN -	101626
DUR. FAC.	1.25	FROM	AH
SPACING	16.0"	JREF -	1TKL8228Z03

Mark Disosway, P.E.

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

July 4, 2012

Building and Zoning, Columbia County, Florida

Re: Columbia County Building Permit #30224

One Time Product Approval for Custom Mahogany Windows and Doors

All Seasons Planning, Inc. / Spec House, Peace Rd., Columbia County, Florida

Dear Building Inspector:

Jim Zuber requested one time local product approval for use of custom entrance door for a new residence on Peace Rd. in Columbia County. The contractor's objective of using this custom product is to provide a more stable high quality door and the desired decorative quality to go with the house design.

1) Code basis for one time product approval of custom windows and doors.

- a) Florida Statute 553.842(10) states: "Products, other than manufactured buildings, which are custom fabricated or assembled shall not require separate approval under this section provided the component parts have been approved for the fabricated or assembled product's use and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use." The windows and doors are custom fabricated of two basic materials, glass and mahogany wood. This letter will demonstrate that the glass and mahogany for the windows and doors used in this house meet the requirements of FBC2004.
- b) FBC2004, R613.4.2 Custom doors states: "Custom (one of a kind) exterior door assemblies shall be tested by an approved testing laboratory or be engineered in accordance with accepted engineering practices." This letter will demonstrate with accepted engineering practices that the windows and doors used in this house meet the requirements of FBC2004. We are asking the building department to accept approval of the custom windows also even though the code language is for doors.

2) Window assembly description

- a) Continuous flashing / bracket / flange 0.032 Aluminum attached to mahogany frame using 5/8" length 1/4" crown galv. staples fastened through polyurethane flashing glue into mahogany wood. This bracket extends 4" onto wall, and is fastened to wall every 12" using 1.75" #8 pan head wood screws.
- b) Glass panels are double insulated low-e glass panels, each 1/8" thickness, with a 1/4" spacer gasket, for a total glass panel thickness of 1/2" all glass annealed in accordance with building codes. Glass panels are attached using 1/16" polyethylene glazing tape and held in place at specified 25% compression with mechanically fastened muntins
- c) Doors are attached using #8X3" wood screws

3) Engineering analysis

- a) Design loads from Table R301.2(2) adjusted for height and exposure per Table R301.2(3) (Design wind speed = 100 mph, Exposure = B, Mean Roof Height = 30 ft, Coefficient = 1.00)

Wall Zone	Effective Wind Area (Ft ²)	110 mph	110 mph
4	10	21.8	-23.6
4	20	20.8	-22.6
4	50	19.5	-21.3
4	100	18.5	-20.4
5	10	21.8	-29.1
5	20	20.8	-27.2
5	50	19.5	-24.6
5	100	18.5	-22.6

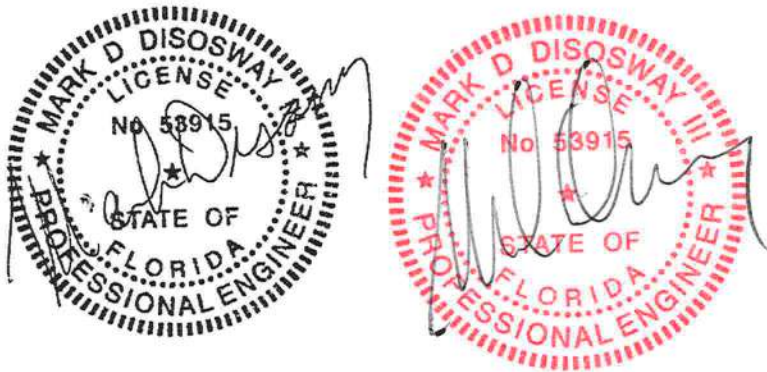
Mark Disosway

b) Doors

- i) Worst case wind pressure = -27.3 psf for 20 ft² door in Zone 5.
- ii) Worst case door structural element is the latch side stile which is simply supported from a latch mechanism to be installed by owner which latches at top and bottom of the stile. Due to the thin section of the stile deflection controls. Assume: 8' door height, latch at top and bottom of door, 2.0" x 5.0" stile, mahogany wood.
- iii) Max deflection = $WL^3 / 76.8EI = 27.3 \text{ psf} \times 8' \times 1.5' \times 96''^3 / 76.8 \times 1700000 \text{ psi} \times (5'' \times 2''^3 / 12) = 0.666'' = L/144$. The deflection specified for a door is that after 10 seconds of testing at 1.5 times design wind pressure there will be "no permanent deformation of any main frame or panel member in excess of 0.4 percent of its span after the load is removed. After each specified loading, there shall be no glass breakage, permanent damage to fasteners, hardware parts, or any other damage which causes the door to be inoperable." Based on experience I would expect a wood door to have no permanent deflection after 10 seconds at deflection of $1.5 \times L/144 = L/96$.
- iv) Attach door jambs to wall studs with #8 x 3" wood screws at 12"OC max. (123 lb per screw / (1.5 x 27.3 psf x 3') = 1.0')

Please accept this letter as documentation that the custom one of a kind entrance door used in this house meets the structural requirements of FBC2004 based on accepted engineering practices.

Sincerely,



Mark Disosway, PE

ASTM E 1300 Design

Glass Construction

- ☐ Monolithic Single Glazing
☐ Laminated Single Glazing
☒ **Double Glazed Insulating Unit**

System of Units

- ☒ **US Standard**
☐ SI

Glazing Position

- ☒ **Vertical**
☐ Sloped

Outboard Lite

☐ Check for Laminated

Glass Type

Annealed

Thickness Designation

1/8 in.

Inboard Lite

☐ Check for Laminated

Glass Type

Annealed

Thickness Designation

1/8 in.

Rectangular Dimensions

Width

30.25 in.

Height

60.5 in.

Loads

Short Duration (≤ 60 sec)

30 psf

Long Duration (app 30 days)

0 psf

Calculate

Results

Double Glazed Insulating Unit

Short Duration Load, Resistance and Deflection Data:

Load (≤ 60 sec.):

30.0 psf

Load Resistance:

43.8 psf

Approximate Center of Glass Deflection under the Applied Load:

0.4 in.

Based on your design information, this glass configuration will resist the specified loading.

Ok

SECTION R613

EXTERIOR WINDOWS AND DOOR ASSEMBLIES

R613.1 General.

This section prescribes performance and construction requirements for exterior window systems installed in wall systems. Waterproofing, sealing and flashing systems are not included in the scope of this section.

R613.2 Performance.

Exterior windows and doors shall be designed to resist the design wind loads specified in Table R301.2(2) adjusted for height and exposure per Table R301.2(3).

R613.3 Exterior windows, sliding and patio glass doors.

R613.3.1 Testing and Labeling.

Exterior windows and glass doors shall be tested by an approved independent testing laboratory, and shall be labeled with an approved label identifying the manufacturer, performance characteristics and approved product certification agency, testing laboratory, evaluation entity or Miami-Dade notice of acceptance to indicate compliance with the requirements of one of the following specifications:

ANSI/AAMA/NWDA 101/I.S. 2-97 or 101/I.S. 2/NAFS or TAS 202 (HVHZ shall comply with TAS 202 utilizing ASTM E 1300-98 or ASTM E 1300-02).

Glass Strength: Determination of load resistance of glass for specified loads of products tested and certified in accordance with s. R613.3.1 shall be designed to comply with ASTM E 1300.

R613.4 Exterior door assemblies.

Exterior door assemblies not covered by R613.3 or R613.4.1 shall be tested for structural integrity in accordance with ASTM E 330 Procedure A at a load of 1.5 times the required design pressure load. The load shall be sustained for 10 seconds with no permanent deformation of any main frame or panel member in excess of 0.4 percent of its span after the load is removed. HVHZ shall comply with TAS 202. After each specified loading, there shall be no glass breakage, permanent damage to fasteners, hardware parts, or any other damage which causes the door to be inoperable.

The minimum test sizes and minimum design pressures shall be as indicated in Table R613.4

The unit size tested shall qualify all units smaller in width and/or height of the same operation type and be limited to cases where frame, panels and structural members maintain the same profile as tested.

R308.5 Site built windows.

Site built windows shall comply with Section 2404 of the Florida Building Code, Building.

2404.1 Vertical glass.

Glass sloped 15 degrees (0.26 rad) or less from vertical in windows, curtain and window walls, doors and other exterior applications shall be designed to resist the wind loads for components and cladding. The load resistance of glass under uniform load shall be determined in accordance with ASTM E 1300. Design of exterior windows and glass doors in accordance with Section 2404.1 shall utilize the same edition of ASTM E 1300 used for testing in accordance with Section 1714.5. The design of vertical glazing shall be based on the following equation:

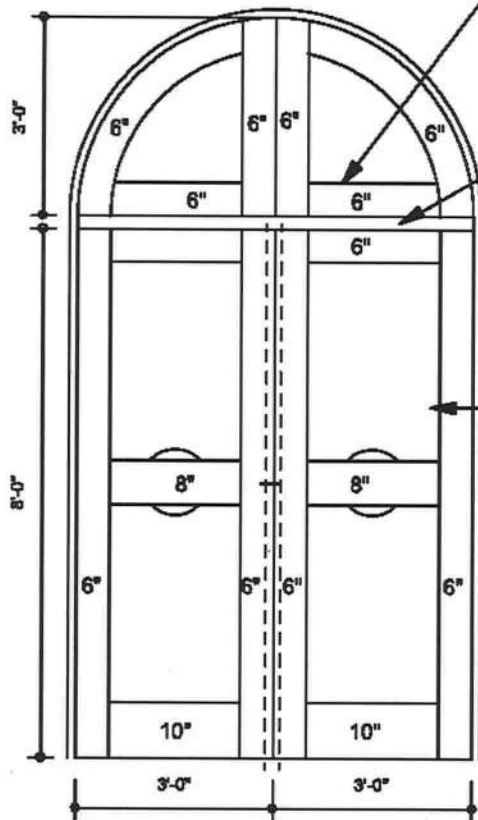
$$F_{gw} \leq F_{ga} \quad (\text{Equation 24-1})$$

where:

F_{gw} is the wind load on the glass computed in accordance with Section 1609 and F_{ga} is the short duration load resistance of the glass as determined in accordance with ASTM E 1300.

- (1) The commission shall adopt rules under ss. 120.536(1) and 120.54 to develop and implement a product evaluation and approval system that applies statewide to operate in coordination with the Florida Building Code. The commission may enter into contracts to provide for administration of the product evaluation and approval system. The product evaluation and approval system shall provide:
- (a) Appropriate promotion of innovation and new technologies.
 - (b) Processing submittals of products from manufacturers in a timely manner.
 - (c) Independent, third-party qualified and accredited testing and laboratory facilities, product evaluation entities, quality assurance agencies, certification agencies, and validation entities.
 - (d) An easily accessible product acceptance list to entities subject to the Florida Building Code.
 - (e) Development of stringent but reasonable testing criteria based upon existing consensus standards, when available, for products.
 - (f) Long-term approvals, where feasible. State and local approvals will be valid until the requirements of the code on which the approval is based change, the product changes in a manner affecting its performance as required by the code, or the approval is revoked.
 - (g) Criteria for revocation of a product approval.
 - (h) Cost-effectiveness.
- (2) The product evaluation and approval system shall rely on national and international consensus standards, whenever adopted by the Florida Building Code, for demonstrating compliance with code standards. Other standards which meet or exceed established state requirements shall also be considered.
- (3) Products or methods or systems of construction that require approval under s. 553.77, that have standardized testing or comparative or rational analysis methods established by the code, and that are certified by an approved product evaluation entity, testing laboratory, or certification agency as complying with the standards specified by the code shall be approved for statewide use. Products required to be approved for statewide use shall be approved by one of the methods established in 1 subsection (6) without further evaluation.
- (4) Products or methods or systems of construction requiring approval under s. 553.77 must be approved by one of the methods established in 2 subsection (5) or 1 subsection (6) before their use in construction in this state. Products may be approved by the commission for statewide use. Notwithstanding a local government's authority to amend the Florida Building Code as provided in this act, statewide approval shall preclude local jurisdictions from requiring further testing, evaluation, or submission of other evidence as a condition of using the product so long as the product is being used consistent with the conditions of its approval.
- (5) Statewide approval of products, methods, or systems of construction may be achieved by one of the following methods. One of these methods must be used by the commission to approve the following categories of products: panel walls, exterior doors, roofing, skylights, windows, shutters, and structural components as established by the commission by rule.
- (a) Products for which the code establishes standardized testing or comparative or rational analysis methods shall be approved by submittal and validation of one of the following reports or listings indicating that the product or method or system of construction was evaluated to be in compliance with the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code:
- 1. A certification mark or listing of an approved certification agency;
 - 2. A test report from an approved testing laboratory;
 - 3. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity; or
 - 4. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state.
- A product evaluation report or a certification mark or listing of an approved certification agency which demonstrates that the product or method or system of construction complies with the Florida Building Code for the purpose intended shall be equivalent to a test report and test procedure as referenced in the Florida Building Code.
- (b) Products, methods, or systems of construction for which there are no specific standardized testing or comparative or rational analysis methods established in the code may be approved by submittal and validation of one of the following:
- 1. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, from an approved product evaluation entity indicating that the product or method or system of construction was evaluated to be in compliance with the intent of the Florida Building Code and that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code; or
 - 2. A product evaluation report based upon testing or comparative or rational analysis, or a combination thereof, developed and signed and sealed by a professional engineer or architect, licensed in this state, who certifies that the product or method or system of construction is, for the purpose intended, at least equivalent to that required by the Florida Building Code.
- (6) The commission shall ensure that product manufacturers that obtain statewide product approval operate quality assurance programs for all approved products. The commission shall adopt by rule criteria for operation of the quality assurance programs.
- (7) For state approvals, validation shall be performed by validation entities approved by the commission. The commission shall adopt by rule criteria for approval of validation entities, which shall be third-party entities independent of the product's manufacturer and which shall certify to the commission the product's compliance with the code.
- (8) The commission may adopt rules to approve the following types of entities that produce information on which product approvals are based. All of the following entities, including engineers and architects, must comply with a nationally recognized standard demonstrating independence or no conflict of interest:
- (a) Evaluation entities that meet the criteria for approval adopted by the commission by rule. The commission shall specifically approve the National Evaluation Service, the International Conference of Building Officials Evaluation Services, the International Code Council Evaluation Services, the Building Officials and Code Administrators International Evaluation Services, the Southern Building Code Congress International Evaluation Services, and the Miami-Dade County Building Code Compliance Office Product Control. Architects and engineers licensed in this state are also approved to conduct product evaluations as provided in subsection (5).
 - (b) Testing laboratories accredited by national organizations, such as A2LA and the National Voluntary Laboratory Accreditation Program, laboratories accredited by evaluation entities approved under paragraph (a), and laboratories that comply with other guidelines for testing laboratories selected by the commission and adopted by rule.
 - (c) Quality assurance entities approved by evaluation entities approved under paragraph (a) and by certification agencies approved under paragraph (d) and other quality assurance entities that comply with guidelines selected by the commission and adopted by rule.
 - (d) Certification agencies accredited by nationally recognized accreditors and other certification agencies that comply with guidelines selected by the commission and adopted by rule.
 - (e) Validation entities that comply with accreditation standards established by the commission by rule.
- (9) A building official may deny the local application of a product or method or system of construction which has received statewide approval, based upon a written report signed by the official that concludes the product application is inconsistent with the statewide approval and that states the reasons the application is inconsistent. Such denial is subject to the provisions of s. 553.77 governing appeal of the building official's interpretation of the code.
- (10) Products, other than manufactured buildings, which are custom fabricated or assembled shall not require separate approval under this section provided the component parts have been approved for the fabricated or assembled product's use and the components meet the standards and requirements of the Florida Building Code which applies to the product's intended use.

MAHOGANY WINDOW FRAME



MAHOGANY' HEADER JAMB

MAHOGANY DOOR

MAHOGANY SIDE JAMBS

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001683

DATE 01/26/2010 PARCEL ID # 11-5S-16-03564-101

APPLICANT SAMATHA HARRINGTON PHONE 719-7143

ADDRESS 125 SW MIDTOWN PLACE LAKE CITY FL 32025

OWNER CHARLES & MARLENE MEADE PHONE _____

ADDRESS 5110 SW CR 240 LAKE CITY FL 32024

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY 47-S TO C-240, TL TO PEACE ROAD, TR, 1ST PARCEL ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COLUMBIA MEADOWS 1

SIGNATURE

INSTALLATION REQUIREMENTS

☒ X

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☒ X

Other FEE CHARGED ON PERMIT #27443

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid NO CHARGE



DATE 10/22/2008

Columbia County Building Permit**PERMIT**

This Permit Must Be Prominently Posted on Premises During Construction

000027443

APPLICANT JAMES BURBACH PHONE 487.0750
 ADDRESS 507 W DUVAL STREET LAKE CITY FL 32055
 OWNER CHARLES & MARLENE MEADE PHONE _____
 ADDRESS 5110 SW CR 240 LAKE CITY FL 32024
 CONTRACTOR JAMES BURBACH PHONE 386.487.0750
 LOCATION OF PROPERTY 47-S TO C-240, TL TO PEACE ROAD, TR, 1ST PARCEL ON L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 312250.00
 HEATED FLOOR AREA 4695.00 TOTAL AREA 6245.00 HEIGHT 19.00 STORIES 1
 FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
 LAND USE & ZONING A-3 MAX. HEIGHT 35
 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-16-03564-101 SUBDIVISION COLUMBIA MEADOWS
 LOT 1 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 4.01

000001683 CBC1253179
 Culvert Permit No. 08-0518 Contractor's License Number BLK Applicant/Owner/Contractor WR N
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. LEGAL NON-CONFORMING LOT OF RECORD.
PER COUNTY ENGINEER, REQUIRED PAVED DRIVEWAY & SOD DISTURBED AREA.

Check # or Cash 2666**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

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

BUILDING PERMIT FEE \$ 1565.00 CERTIFICATION FEE \$ 31.23 SURCHARGE FEE \$ 31.23
 MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
 FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 1727.46
 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 RECEIVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECEIVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Meade - 2x6	Builder:	Burbach Construction
Address:	Lot: 1, Sub: Columbia Mdws, Plat:	Permitting Office:	Columbia County
City, State:	Columbia County, FL 32024-	Permit Number:	27443
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 14.00
4. Number of Bedrooms	3	b. Central Unit	Cap: 42.0 kBtu/hr
5. Is this a worst case?	No		SEER: 14.00
6. Conditioned floor area (ft ²)	4695 ft ²	c. N/A	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default) 749.7 ft ²			HSPF: 8.00
b. SHGC:		b. Electric Heat Pump	Cap: 42.0 kBtu/hr
(or Clear or Tint DEFAULT) 7b. (Clear) 749.7 ft ²			HSPF: 8.00
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=5.0, 374.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 100.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. Electric Resistance	Cap: 100.0 gallons
a. Frame, Wood, Exterior	R=19.0, 2998.3 ft ²		EF: 0.90
b. Frame, Wood, Adjacent	R=13.0, 264.0 ft ²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	PT, —
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 4930.0 ft ²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts(Leak Free)		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		
b. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		

Glass/Floor Area: 0.16

Total as-built points: 43391

Total base points: 50349

PASS

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

PREPARED BY: _____

DATE: 10/2/08

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	4695.0	18.59	15710.0	1.Double, Clear	S	1.5	10.0	18.0	35.87	0.96	619.0
				2.Double, Clear	E	1.5	12.0	21.0	42.06	0.99	875.0
				3.Double, Clear	SE	1.5	12.0	21.0	42.75	0.99	892.0
				4.Double, Clear	E	1.5	12.0	42.0	42.06	0.99	1750.0
				5.Double, Clear	S	1.5	12.0	56.0	35.87	0.98	1976.0
				6.Double, Clear	W	1.5	12.0	28.0	38.52	0.99	1069.0
				7.Double, Clear	W	4.5	12.0	48.0	38.52	0.82	1511.0
				8.Double, Clear	S	13.8	12.0	28.0	35.87	0.50	500.0
				9.Double, Clear	SW	15.0	12.0	28.0	40.16	0.45	503.0
				10.Double, Clear	W	25.0	12.0	28.0	38.52	0.41	437.0
				11.Double, Clear	S	22.0	12.0	21.3	35.87	0.46	348.0
				12.Double, Clear	SE	4.5	12.0	48.0	42.75	0.76	1569.0
				13.Double, Clear	S	1.5	10.0	24.0	35.87	0.96	826.0
				14.Double, Clear	W	1.5	10.0	24.0	38.52	0.98	905.0
				15.Double, Clear	NW	3.0	10.0	48.0	25.97	0.89	1115.0
				16.Double, Clear	W	6.5	10.0	32.0	38.52	0.65	797.0
				17.Double, Clear	SW	3.0	10.0	48.0	40.16	0.84	1613.0
				18.Double, Clear	NW	1.5	10.0	8.0	25.97	0.98	204.0
				19.Double, Clear	N	1.5	10.0	8.0	19.20	0.98	150.0
				20.Double, Clear	NE	1.5	10.0	8.0	29.56	0.98	231.0
				21.Double, Clear	E	1.5	10.0	4.2	42.06	0.98	171.0
				22.Double, Clear	N	1.5	10.0	72.0	19.20	0.98	1357.0
				23.Double, Clear	N	9.5	17.0	40.0	19.20	0.81	622.0
				24.Double, Clear	NW	1.5	10.0	4.2	25.97	0.98	106.0
				25.Double, Clear	E	1.5	10.0	36.0	42.06	0.98	1481.0
				26.Double, Clear	E	1.5	8.0	6.0	42.06	0.96	241.0
				As-Built Total:		749.7					21868.0
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	264.0	0.70	184.8	1. Frame, Wood, Exterior	19.0	2998.3	0.90	2698.5			
Exterior	2998.3	1.70	5097.1	2. Frame, Wood, Adjacent	13.0	264.0	0.60	158.4			
Base Total:	3262.3		5281.9	As-Built Total:	3262.3					2856.9	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	2.40	48.0	1.Adjacent Insulated	20.0		1.60	32.0			
Exterior	0.0	0.00	0.0								
Base Total:	20.0		48.0	As-Built Total:	20.0					32.0	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT				
CEILING TYPES Area X BSPM = Points				Type	R-Value	Area X SPM X SCM = Points		
Under Attic	4695.0	1.73	8122.4	1. Under Attic	30.0	4930.0	1.73 X 1.00	8528.9
Base Total:	4695.0		8122.4	As-Built Total:		4930.0		8528.9
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points		
Slab	374.0(p)	-37.0	-13838.0	1. Slab-On-Grade Edge Insulation	5.0	374.0(p)	-36.20	-13538.8
Raised	0.0	0.00	0.0					
Base Total:			-13838.0	As-Built Total:		374.0		-13538.8
INFILTRATION Area X BSPM = Points				Area X SPM = Points				
	4695.0	10.21	47935.9			4695.0	10.21	47935.9
Summer Base Points: 63260.2				Summer As-Built Points: 67682.9				
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Cooling Points
				(sys 1: Central Unit 41000btuh ,SEER/EFF(14.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)				
				67683	0.49	(1.09 x 1.000 x 1.11)	0.244	0.950 9368.4
				(sys 2: Central Unit 42000btuh ,SEER/EFF(14.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)				
				67683	0.51	(1.09 x 1.000 x 1.11)	0.244	0.950 9596.9
63260.2	0.3250		20559.6	67682.9	1.00	1.210	0.244	0.950 18965.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT						
GLASS TYPES										
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points			
.18	4695.0	20.17	17046.0	1.Double, Clear	S	1.5 10.0	18.0 13.30 1.01	242.0		
				2.Double, Clear	E	1.5 12.0	21.0 18.79 1.01	397.0		
				3.Double, Clear	SE	1.5 12.0	21.0 14.71 1.02	313.0		
				4.Double, Clear	E	1.5 12.0	42.0 18.79 1.01	795.0		
				5.Double, Clear	S	1.5 12.0	56.0 13.30 1.00	742.0		
				6.Double, Clear	W	1.5 12.0	28.0 20.73 1.00	581.0		
				7.Double, Clear	W	4.5 12.0	48.0 20.73 1.05	1047.0		
				8.Double, Clear	S	13.8 12.0	28.0 13.30 2.98	1109.0		
				9.Double, Clear	SW	15.0 12.0	28.0 16.74 1.73	809.0		
				10.Double, Clear	W	25.0 12.0	28.0 20.73 1.22	710.0		
				11.Double, Clear	S	22.0 12.0	21.3 13.30 3.47	984.0		
				12.Double, Clear	SE	4.5 12.0	48.0 14.71 1.22	860.0		
				13.Double, Clear	S	1.5 10.0	24.0 13.30 1.01	323.0		
				14.Double, Clear	W	1.5 10.0	24.0 20.73 1.01	500.0		
				15.Double, Clear	NW	3.0 10.0	48.0 24.30 1.01	1172.0		
				16.Double, Clear	W	6.5 10.0	32.0 20.73 1.12	740.0		
				17.Double, Clear	SW	3.0 10.0	48.0 16.74 1.09	876.0		
				18.Double, Clear	NW	1.5 10.0	8.0 24.30 1.00	194.0		
				19.Double, Clear	N	1.5 10.0	8.0 24.58 1.00	196.0		
				20.Double, Clear	NE	1.5 10.0	8.0 23.57 1.00	188.0		
				21.Double, Clear	E	1.5 10.0	4.2 18.79 1.01	79.0		
				22.Double, Clear	N	1.5 10.0	72.0 24.58 1.00	1769.0		
				23.Double, Clear	N	9.5 17.0	40.0 24.58 1.01	993.0		
				24.Double, Clear	NW	1.5 10.0	4.2 24.30 1.00	101.0		
				25.Double, Clear	E	1.5 10.0	36.0 18.79 1.01	685.0		
				26.Double, Clear	E	1.5 8.0	6.0 18.79 1.02	114.0		
				As-Built Total:				749.7		
										16519.0
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points			
Adjacent	264.0	3.60	950.4	1. Frame, Wood, Exterior	19.0	2998.3	2.20	6596.3		
Exterior	2998.3	3.70	11093.7	2. Frame, Wood, Adjacent	13.0	264.0	3.30	871.2		
Base Total:	3262.3		12044.1	As-Built Total:			3262.3			7467.5
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points			
Adjacent	20.0	11.50	230.0	1.Adjacent Insulated			20.0 8.00	160.0		
Exterior	0.0	0.00	0.0							
Base Total:	20.0		230.0	As-Built Total:			20.0			160.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT					
CEILING TYPES Area X BWPM = Points				Type	R-Value	Area X WPM X WCM =	Points		
Under Attic	4695.0	2.05	9624.8	1. Under Attic	30.0	4930.0 2.05 X 1.00	10106.5		
Base Total:	4695.0		9624.8	As-Built Total:		4930.0	10106.5		
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM =	Points		
Slab	374.0(p)	8.9	3328.6	1. Slab-On-Grade Edge Insulation	5.0	374.0(p) 7.60	2842.4		
Raised	0.0	0.00	0.0						
Base Total:			3328.6	As-Built Total:		374.0	2842.4		
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
	4695.0	-0.59	-2770.0			4695.0 -0.59	-2770.0		
Winter Base Points: 39503.4				Winter As-Built Points: 34325.3					
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
39503.4	0.5540	21884.9		(sys 1: Electric Heat Pump 41000 btuh ,EFF(8.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
				34325.3	0.494	(1.069 x 1.000 x 1.10)	0.426	0.950	8073.8
				(sys 2: Electric Heat Pump 42000 btuh ,EFF(8.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
				34325.3	0.506	(1.069 x 1.000 x 1.10)	0.426	0.950	8270.7
				34325.3	1.00	1.176	0.426	0.950	16344.5

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit	= Total Multiplier
3		2635.00	7905.0	100.0	0.90	3	0.50	2693.56	1.00 4040.3
				100.0	0.90	3	0.50	2693.56	1.00 4040.3
				As-Built Total:					
									8080.7

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
20560	21885	7905	50349	18965	16345	8081	43391

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024- PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

, Lot: 1, Sub: Columbia Mdws, Plat: , Columbia County, FL, 32024-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1	SEER: 14.00	
4. Number of Bedrooms	3	b. Central Unit	Cap: 42.0 kBtu/hr
5. Is this a worst case?	No	SEER: 14.00	
6. Conditioned floor area (ft ²)	4695 ft ²	c. N/A	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 749.7 ft ²	HSPF: 8.00	
b. SHGC:		b. Electric Heat Pump	Cap: 42.0 kBtu/hr
(or Clear or Tint DEFAULT)	7b. (Clear) 749.7 ft ²	HSPF: 8.00	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=5.0, 374.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 100.0 gallons
c. N/A		EF: 0.90	
9. Wall types		b. Electric Resistance	Cap: 100.0 gallons
a. Frame, Wood, Exterior	R=19.0, 2998.3 ft ²	EF: 0.90	
b. Frame, Wood, Adjacent	R=13.0, 264.0 ft ²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	PT,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 4930.0 ft ²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts(Leak Free)		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		
b. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 60.0 ft		

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

Builder Signature: _____ Date: _____

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



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

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

Energy Code Compliance

Duct System Performance Report

Project Name: Meade - 2x6 Address: City, State: Columbia County, FL 32024- Owner: Climate Zone: North	Builder: Permitting Office: Burbach Construction Permit Number: Jurisdiction Number:
---	---

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) <input type="checkbox"/> Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) <input type="checkbox"/> Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
 Printed Name: _____
 Florida Rater Certification #: _____
 DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
 DATE: _____

BUILDING INPUT SUMMARY REPORT

PROJECT	Title: Meade - 2x6		Family Type: Single		Address Type: Lot Information	
	Owner: (blank)		New/Existing: New		Lot #: 1	
	# of Units: 1		Bedrooms: 3		Subdivision: Columbia Mdws	
	Builder Name: Burbach Construction		Conditioned Area: 4695		Platbook: (blank)	
	Climate: North		Total Stories: 1		Street: N/A	
	Permit Office: Columbia County		Worst Case: No		County: (blank)	
	Jurisdiction #: (blank)		Rotate Angle: (blank)		City, St, Zip: Columbia County, FL, 32024-	

FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units
	1	Slab-On-Grade Edge Insulation	5.0	374.0(p) ft	1

DOORS	#	Door Type	Orientation	Area	Units
	1	Insulated	Adjacent	20.0 ft²	1

CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units
	1	Under Attic	30.0	4930.0 ft²	4695.0 ft²	1
Credit Multipliers: None						

COOLING	#	System Type	Efficiency	Capacity
	1	Central Unit	SEER: 14.00	41.0 kBtu/hr
	2	Central Unit	SEER: 14.00	42.0 kBtu/hr
Credit Multipliers: PT				

WALLS	#	Wall Type	Location	R-Val	Area	Units
	1	Frame - Wood	Exterior	19.0	2998.3 ft²	1
	2	Frame - Wood	Adjacent	13.0	264.0 ft²	1

HEATING	#	System Type	Efficiency	Capacity
	1	Electric Heat Pump	HSPF: 8.00	41.0 kBtu/hr
	2	Electric Heat Pump	HSPF: 8.00	42.0 kBtu/hr
Credit Multipliers: PT				

DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
	1	Uncond.	Uncond.	Attic	6.0	60.0 ft
	2	Uncond.	Uncond.	Attic	6.0	60.0 ft
Credit Multipliers: Leak free						

WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF
	1	Electric Resistance	0.90	100.0	None	0.00
	2	Electric Resistance	0.90	100.0	None	0.00

REFR.	#	Use Default?	Annual Operating Cost	Electric Rate
	1	Yes	N/A	N/A

WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	S	18.0 ft²	1.5 ft	10.0 ft	1
	2	Double	Clear	E	21.0 ft²	1.5 ft	12.0 ft	1
	3	Double	Clear	SE	21.0 ft²	1.5 ft	12.0 ft	1
	4	Double	Clear	E	21.0 ft²	1.5 ft	12.0 ft	2
	5	Double	Clear	S	28.0 ft²	1.5 ft	12.0 ft	2
	6	Double	Clear	W	28.0 ft²	1.5 ft	12.0 ft	1
	7	Double	Clear	W	24.0 ft²	4.5 ft	12.0 ft	2
	8	Double	Clear	S	28.0 ft²	13.8 ft	12.0 ft	1
	9	Double	Clear	SW	28.0 ft²	15.0 ft	12.0 ft	1
	10	Double	Clear	W	28.0 ft²	25.0 ft	12.0 ft	1
	11	Double	Clear	S	21.3 ft²	22.0 ft	12.0 ft	1
	12	Double	Clear	SE	24.0 ft²	4.5 ft	12.0 ft	2
	13	Double	Clear	S	24.0 ft²	1.5 ft	10.0 ft	1
	14	Double	Clear	W	12.0 ft²	1.5 ft	10.0 ft	2
	15	Double	Clear	NW	48.0 ft²	3.0 ft	10.0 ft	1
	16	Double	Clear	W	16.0 ft²	6.5 ft	10.0 ft	2
	17	Double	Clear	SW	48.0 ft²	3.0 ft	10.0 ft	1
	18	Double	Clear	NW	8.0 ft²	1.5 ft	10.0 ft	1
	19	Double	Clear	N	8.0 ft²	1.5 ft	10.0 ft	1
	20	Double	Clear	NE	8.0 ft²	1.5 ft	10.0 ft	1
	21	Double	Clear	E	4.2 ft²	1.5 ft	10.0 ft	1
	22	Double	Clear	N	12.0 ft²	1.5 ft	10.0 ft	6
	23	Double	Clear	N	20.0 ft²	9.5 ft	17.0 ft	2
	24	Double	Clear	NW	4.2 ft²	1.5 ft	10.0 ft	1
	25	Double	Clear	E	18.0 ft²	1.5 ft	10.0 ft	2
	26	Double	Clear	E	6.0 ft²	1.5 ft	8.0 ft	1

MISC	Rater Name:	CodeOnlyPro	Class #:	3	Pool Size:	0
	Rater Certification #:	CodeOnlyPro	Duct Leakage Type:	N/A	Pump Size:	0.00 hp
	Area Under Fluorescent:	0.0	Visible Duct Disconnects:	N/A	Dryer Type:	Electric
	Area Under Incandescent:	4695.0	Leak Free Duct System Proposed:	Yes	Stove Type:	Electric
	NOTE: Not all Rating info shown		HRV/ERV System Present?:	No	Avg Ceil Hgt:	

Columbia County Building Permit Application

For Office Use Only Application # 0809-61 Date Received 9/26/08 By G Permit # 24443/1683
 Zoning Official BLK Date 10/10/08 Flood Zone X FEMA Map # N/A Zoning A-3
 Land Use A-3 Elevation N/A MFE Left River N/A Plans Examiner UN Date 10/2/08
 Comments Legal New Conveyance Lot of Record, Per Co. Engineer Required Paved Driveway & Sewer Disturbed Area
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☒ Letter of Authorization from Contractor For Town of Lake City
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. 08-0518

Call "697-6566" Tom Craig

Name Authorized Person Signing Permit James BurbachPhone 487-0750Address 507 W. Duval St. L.C. 32055Owners Name Charles & Marlene Meade

Phone _____

911 Address 5110 SW CR 240 Lake City, FL 32024Contractors Name Burbach Construction Services, Inc. Phone 386-487-0750Address 507 W. Duval Street Lake City, FL 32055

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Mark Disasway Po Box 868 Lake City, FL 32056Mortgage Lenders Name & Address Capital City Bank 4040 NW 16th Ave Gainesville, FL 32605Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 11-55-16-03564-101 Estimated Cost of Construction 225,000.Subdivision Name Columbia Meadows Lot 2 Block _____ Unit _____ Phase _____Driving Directions SW on SR 47 to CR 240. Turn Left onto 240, Turn Right on SW Pease Rd. First parcel on Left.Number of Existing Dwellings on Property 2Construction of Custom home SFDTotal Acreage 4.01 Lot Size _____Do you need a Culvert Permit or Culvert Waiver or Have an Existing DriveTotal Building Height 19'Actual Distance of Structure from Property Lines - Front 100' Side 60' Side 25' Rear 27'Number of Stories 2 Heated Floor Area 3470 Total Floor Area 4533 Roof Pitch 12/6 & 12/946956245 6245

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.

#2666

Application for Onsite Sewage Disposal

Construction Permit. Part II Site Plan

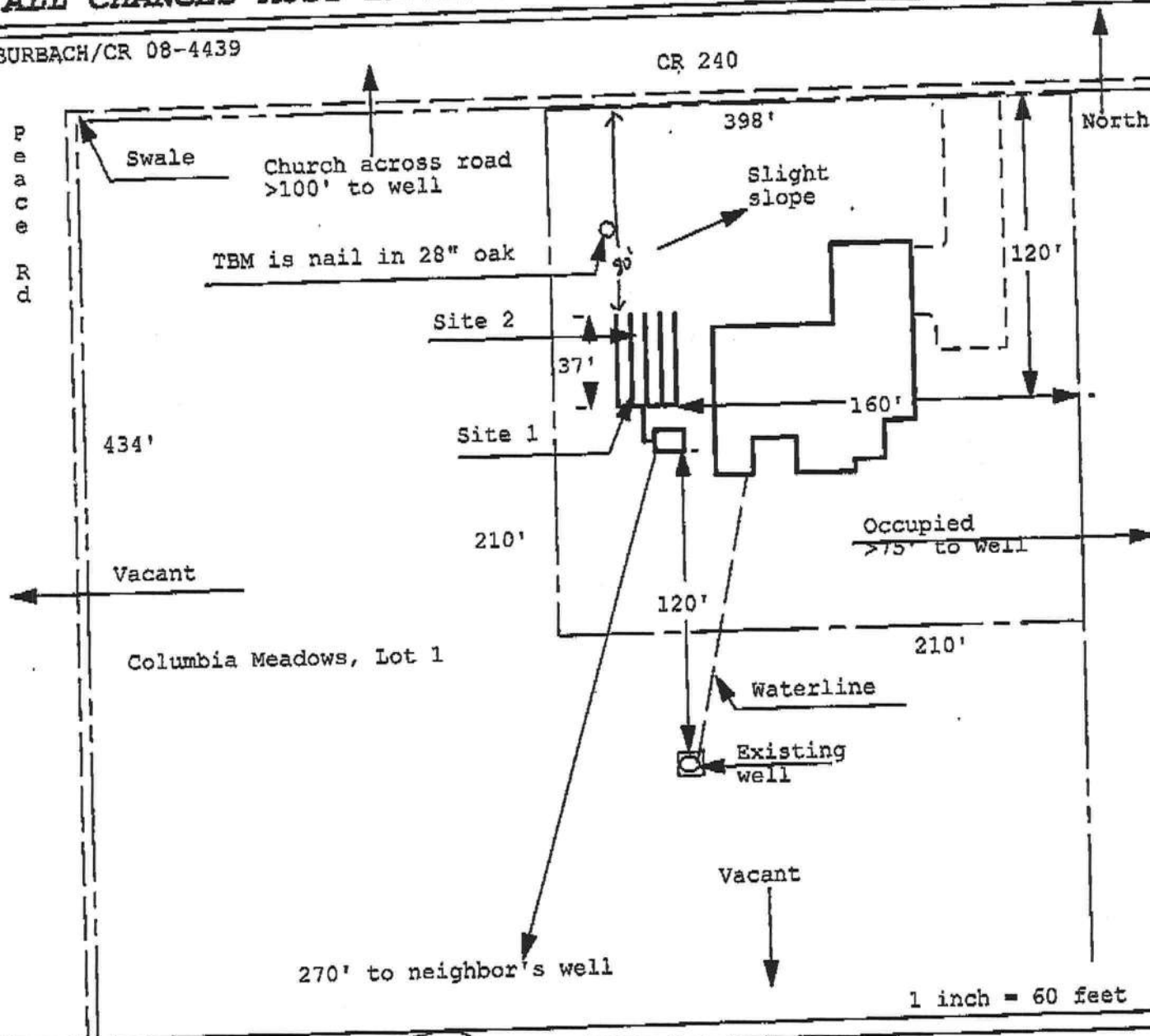
Permit Application Number: 08-0518

Sal said this permit ok still good. until the 29th April the 29th

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BURBACH/CR 08-4439

CR 240

Site Plan Submitted By Paul H. H. H.Date 7/21/08Plan Approved ☒Not Approved ☐Date 7/29/08By Ma S. H.

Columbia

CPHU

Notes:

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT
Authority: Chapter 381, FS & Chapter 10D-6, FAC

PERMIT #
DATE PAID
FEE PAID \$
RECEIPT #
CR #

8895210
7/22/08
310.00
1078944
08-4439

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Temporary/Experimental System
☐ Repair ☐ Abandonment ☐ Other (Specify) _____

APPLICANT: JAMES BURBACH Charles & Marlene Meade TELEPHONE: 386-719-7143

AGENT: ISAAC CONSTRUCTION

MAILING ADDRESS: 125 SW MIDTOWN PLACE CITY: LAKE CITY STATE: FL ZIP: 32025

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. ATTACH BUILDING PLAN AND TO-SCALE SITE PLAN SHOWING PERTINENT FEATURES REQUIRED BY CHAPTER 10D-6, FLORIDA ADMINISTRATIVE CODE.

PROPERTY INFORMATION [IF LOT IS NOT IN A RECORDED SUBDIVISION, ATTACH LEGAL DESCRIPTION OR DEED]

LOT: 1 BLOCK: N/A SUBDIVISION: COLUMBIA MEADOWS DATESUBD: '87

PROPERTY ID #: 11-55-18-03564-101 [Section/Township/Range/Parcel] ZONING: A-5

PROPERTY SIZE: 4.01 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: ☒ PRIVATE ☐ PUBLIC

PROPERTY STREET ADDRESS: 5110 SW COUNTY ROAD 240

DIRECTIONS TO PROPERTY: STATE ROAD 47 SOUTH, TL ON COUNTY ROAD 240, SITE ON RIGHT AT PEACE ROAD

BUILDING INFORMATION

☒ RESIDENTIAL

☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	HOUSE	4	3430	4	500 680
2					
3					
4					

☐ Garbage Grinders/Disposals
☐ Ultra-low Volume Flush Toilets

☐ Spas/Hot Tubs
☐ Other (Specify) _____

☐ Floor/Equipment Drains

APPLICANT'S SIGNATURE: Samantha Harrington DATE: 7/22/08



R403.1 General.

All exterior walls shall be supported on continuous solid or fully grouted masonry or concrete footings, wood foundations, or other approved structural systems which shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill.

R403.1.1 Minimum size.

Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). The footing width, W , shall be based on the load-bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least 6 inches (152 mm) in thickness. Footing projections, P , shall be at least 2 inches (51 mm) and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2, and Figures R403.1(2) and R403.1(3).

R403.1.4 Minimum depth.

All exterior footings shall be placed at least 12 inches (305 mm) below the undisturbed ground surface.

R403.1.5 Slope.

The top surface of footings shall be level. The bottom surface of footings shall not have a slope exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed one unit vertical in ten units horizontal (10-percent slope).

R403.1.6 Foundation anchorage.

When braced wall panels are supported directly on continuous foundations, the wall wood sill plate or cold-formed steel bottom track shall be anchored to the foundation in accordance with this section.

The wood sole plate at exterior walls on monolithic slabs and wood sill plate shall be anchored to the foundation with anchor bolts spaced a maximum of 6 feet (1829 mm) on center. There shall be a minimum of two bolts per plate section with one bolt located not more than 12 inches (305 mm) or less than seven bolt diameters from each end of the plate section. Bolts shall be at least $\frac{1}{2}$ inch (12.7 mm) in diameter and shall extend a minimum of 7 inches (178 mm) into masonry or concrete. Interior bearing wall sole plates on monolithic slab foundations shall be positively anchored with approved fasteners. A nut and washer shall be tightened on each bolt to the plate. Sills and sole plates shall be protected against decay and termites where required by Sections R319 and R320. Cold-formed steel framing systems shall be fastened to the wood sill plates or anchored directly to the foundation as required in Section R505.3.1 or R603.1.1.

Exception: Foundation anchor straps, spaced as required to provide equivalent anchorage to $\frac{1}{2}$ -inch-diameter (12.7 mm) anchor bolts.

R403.1.6.1 Reserved.**R403.1.7 Footings on or adjacent to slopes.**

The placement of buildings and structures on or adjacent to slopes steeper than 1 unit vertical in 3 units horizontal (33.3-percent slope) shall conform to Sections R403.1.7.1 through R403.1.7.4.

R403.1.7.1 Building clearances from ascending slopes.

In general, buildings below slopes shall be set a sufficient distance from the slope to provide protection from slope drainage, erosion and shallow failures. Except as provided in Section R403.1.7.4 and Figure R403.1.7.1, the following criteria will be assumed to provide this protection. Where the existing slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the toe of the slope shall be assumed to be at the intersection of a horizontal plane drawn from the top of the foundation and a plane drawn tangent to the slope at an angle of 45 degrees (0.79 rad) to the horizontal. Where a retaining wall is constructed at the toe of the slope, the height of the slope shall be measured from the top of the wall to the top of the slope.

R403.1.7.2 Footing setback from descending slope surfaces.

Footings on or adjacent to slope surfaces shall be founded in material with an embedment and setback from the slope surface sufficient to provide vertical and lateral support for the footing without detrimental settlement. Except as provided for in Section R403.1.7.4 and Figure R403.1.7.1, the following setback is deemed adequate to meet the criteria. Where the slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the required setback shall be measured from an imaginary plane 45 degrees (0.79 rad) to the horizontal, projected upward from the toe of the slope.

R403.1.7.3 Foundation elevation.

On graded sites, the top of any exterior foundation shall extend above the elevation of the street gutter at point of discharge or the inlet of an approved drainage device a minimum of 12 inches (305 mm) plus 2 percent. Alternate elevations are permitted subject to the approval of the building official, provided it can be demonstrated that required drainage to the point of discharge and away from the structure is provided at all locations on the site.

R403.1.7.4 Alternate setback and clearances.

Alternate setbacks and clearances are permitted, subject to the approval of the building official. The building official is permitted to require an investigation and recommendation of a qualified engineer to demonstrate that the intent of this section has been satisfied. Such an investigation shall include consideration of material, height of slope, slope gradient, load intensity and erosion characteristics of slope material.

R403.1.8 Foundations on expansive soils.

Foundation and floor slabs for buildings located on expansive soils shall be designed in accordance with Section 1805.8 of the Florida Building Code, Building.

Exception: Slab-on-ground and other foundation systems which have performed adequately in soil conditions similar to those encountered at the building site are permitted subject to the approval of the building official.

R403.1.8.1 Expansive soils classifications.

Soils meeting all four of the following provisions shall be considered expansive, except that tests to show compliance with Items 1, 2 and 3 shall not be required if the test prescribed in Item 4 is conducted:

1. Plasticity Index (PI) of 15 or greater, determined in accordance with ASTM D 4318.
2. More than 10 percent of the soil particles pass a No. 200 sieve (75 mm), determined in accordance with ASTM D 422.
3. More than 10 percent of the soil particles are less than 5 micrometers in size, determined in accordance with ASTM D 422.
4. Expansion Index greater than 20, determined in accordance with ASTM D 4829.



BUILT ON A FOUNDATION OF QUALITY & CRAFTSMANSHIP

December 02, 2009

Lori
Building & Zoning Department
135 NE Hernando Ave.
Lake City, FL 32055

Dear Lori,

Per our conversation yesterday, I have written this brief letter to explain the status of the home at 5110 SW CR 240, Lake City, FL 32024, I was building under permit number 000027443.

I was in the process of building the house when we made a corporate decision not to continue in the building business at this point. I have worked with Isaac at Isaac Construction during the entire process of this project.

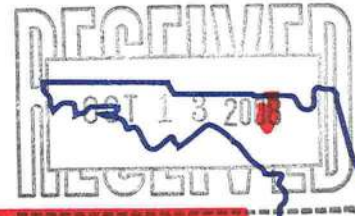
I would like all the paperwork and plans in your file related to permit number 000027443 to be released to Isaac with Isaac Construction or any authorized person in his office.

Please let me know if you have any questions.

Respectfully,

James M. Burbach

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



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

MEMORANDUM

TO: John Colson
FROM: Connie Scott *CS*
DATE: October 6, 2008
RE: Lot 1, Columbia Meadows S/D

We have been asked by Burbach Construction Services to allow access to this lot from CR240. Columbia Meadows was platted in 1988 before the current LDR's were adopted wherein it states that access must not be from anterior or collector roads.

Please review and advise if you have a problem allowing access to Lot 1 from CR240 instead of Peace Road.

*No Engineering Problem - Good sight distance -
Require Paved Driveway with Sidedrain and MES.
Soil disturbed areas.*

*J. Colson
10/10/08*

PREPARED BY
W. C. HALE & ASSOCIATES, INC.
517 W. DUAL ST.
LAKE CITY, FL 32055
PHONE: (904) 752-5640

FILE NO. 88-023-26
RECORD 5 PAGE 88
87 FEB 17 PM 28

87 FEB 17 PM 28
87 FEB 17 PM 28

COLUMBIA MEADOWS

A SUBDIVISION IN
SECTION 11, T5-S, R16-E
COLUMBIA COUNTY, FLORIDA

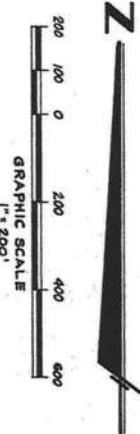
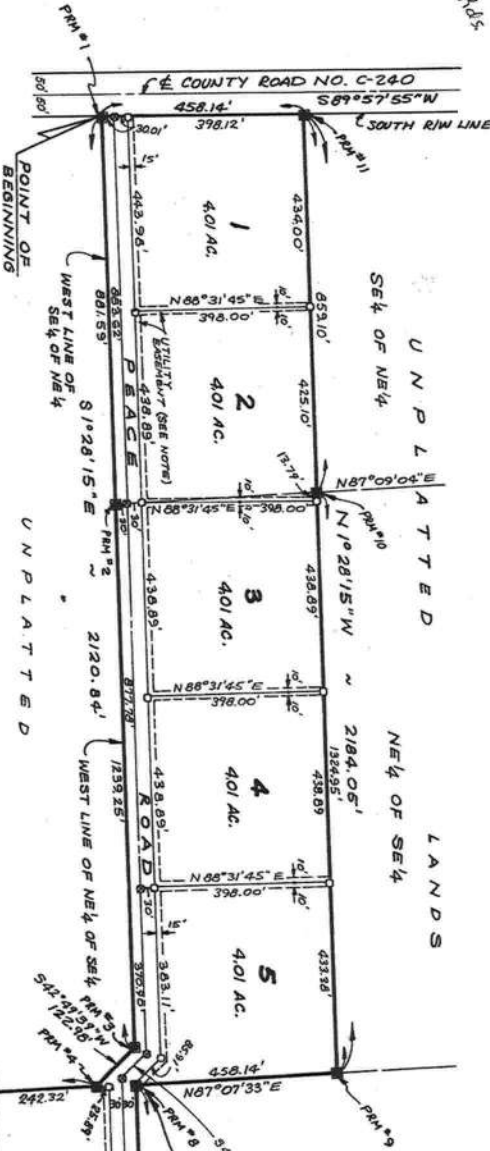
PLAT BOOK 5, PAGE 88

SHEET 1 OF 2

5201 HC
6 HC
63 HC
For 10/25



SECTION 11, T5-S, R16-E

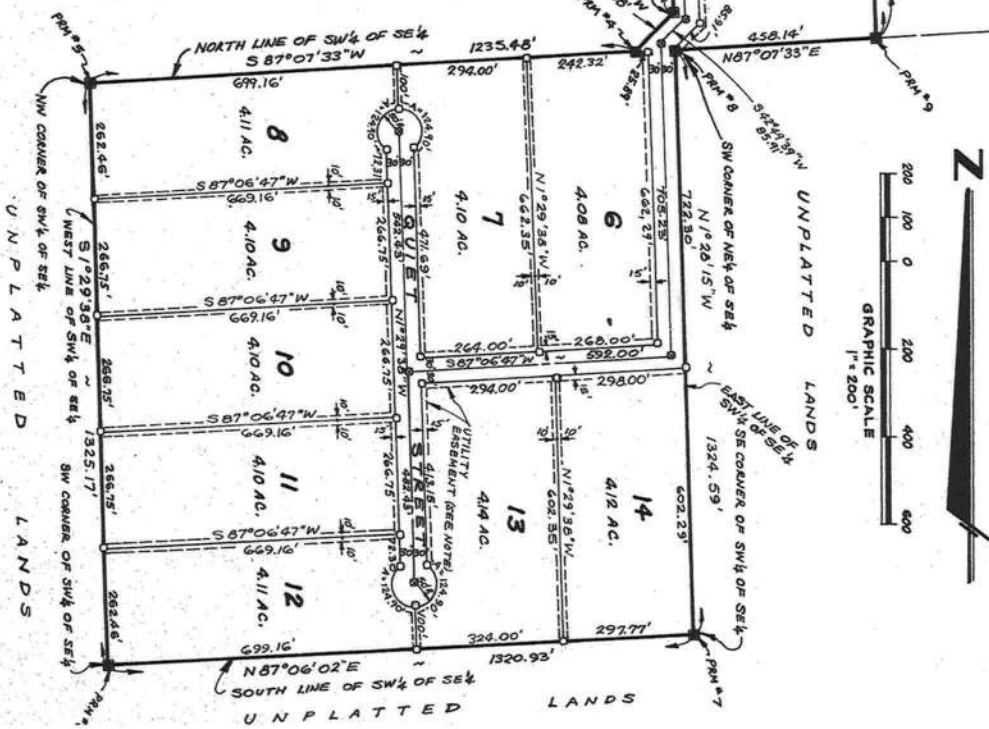


NOTES

1. PRELIMINARY PLAN APPROVED MARCH 21, 1985.
2. 1-YEAR'S EXTENSION APPROVED ON FEBRUARY 20, 1986.
3. ERROR OF CLOSURE IS 1:173,450.
4. BEARINGS MEASURED FROM PREVIOUS SURVEYING IN SECTION 11 BY W.C. HALE & ASSOC.
5. NO PORTION OF THE SUBDIVISION LIES WITHIN THE ZONE A FLOOD PRONE AREA.
6. UTILITY EASEMENTS ARE AS SHOWN: 15' ALONG ROADS AND 20' CENTERED ON INTERIOR LOT LINES.

LEGEND

- PERMANENT REFERENCE MONUMENT (PRM) - 4"x4" CONC. MON.
- PERMANENT CONTROL POINT (PCP) - 4"x4" CONC. MON.
- 4"x4" CONCRETE MONUMENT SET AT EACH LOT CORNER.





Columbia County Property Appraiser

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

PARCEL: 11-5S-16-03565-000 HX - SINGLE FAM (000100)

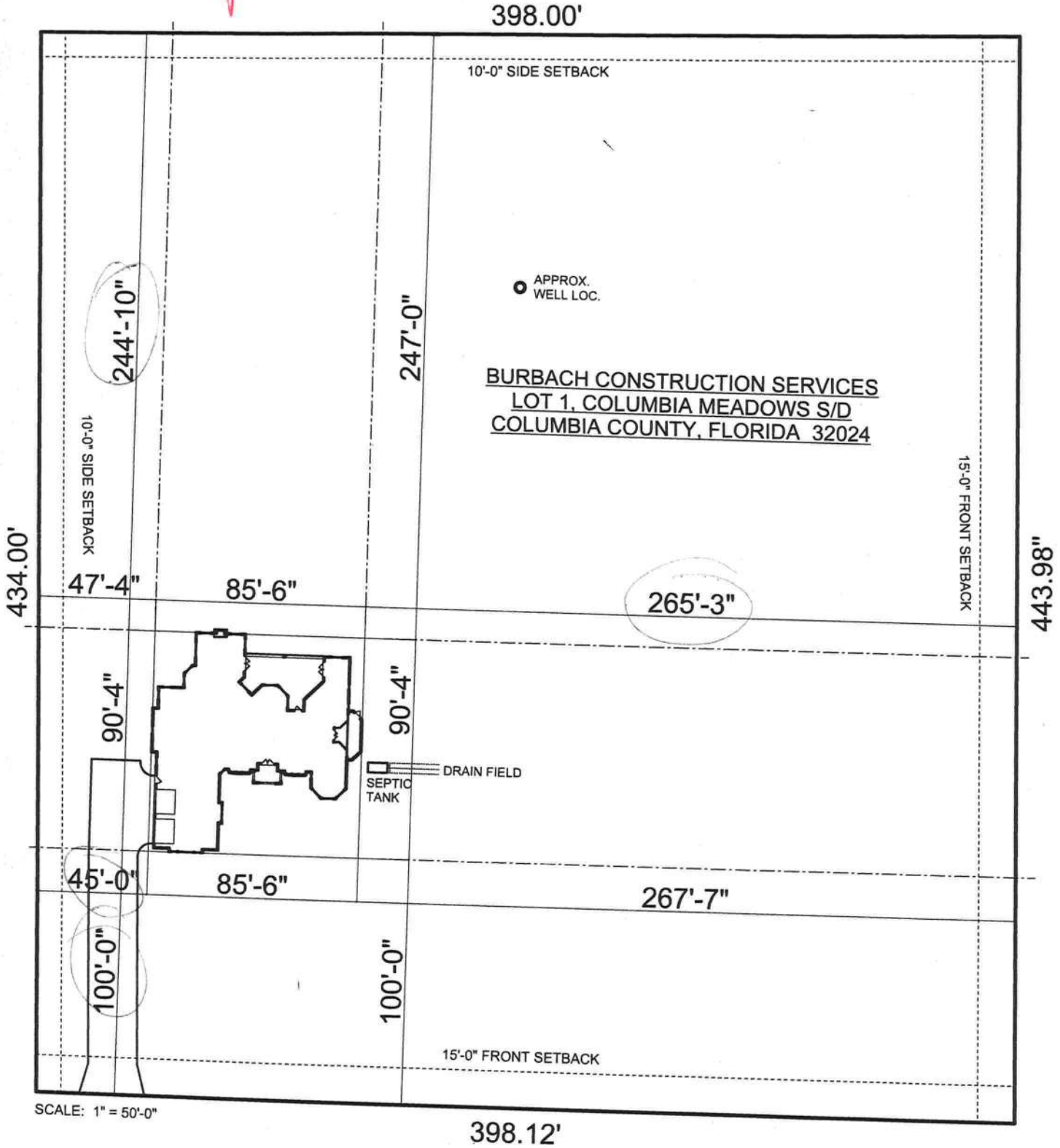
Name: O'NEAL SANDRA SUMMERVILLE	LandVal	\$22,800.00
Site: CR 240	BldgVal	\$55,140.00
Mail: 4934 SW CR 240	ApprVal	\$79,166.00
LAKE CITY, FL 32024	JustVal	\$79,166.00
Sales Info 12/19/1997 \$30,000.00V / U	Assd	\$43,062.00
	Exmpt	\$25,000.00
	Taxable	\$18,062.00

0 100 200 300 ft



This information, GIS Map Updated: 8/5/2008, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

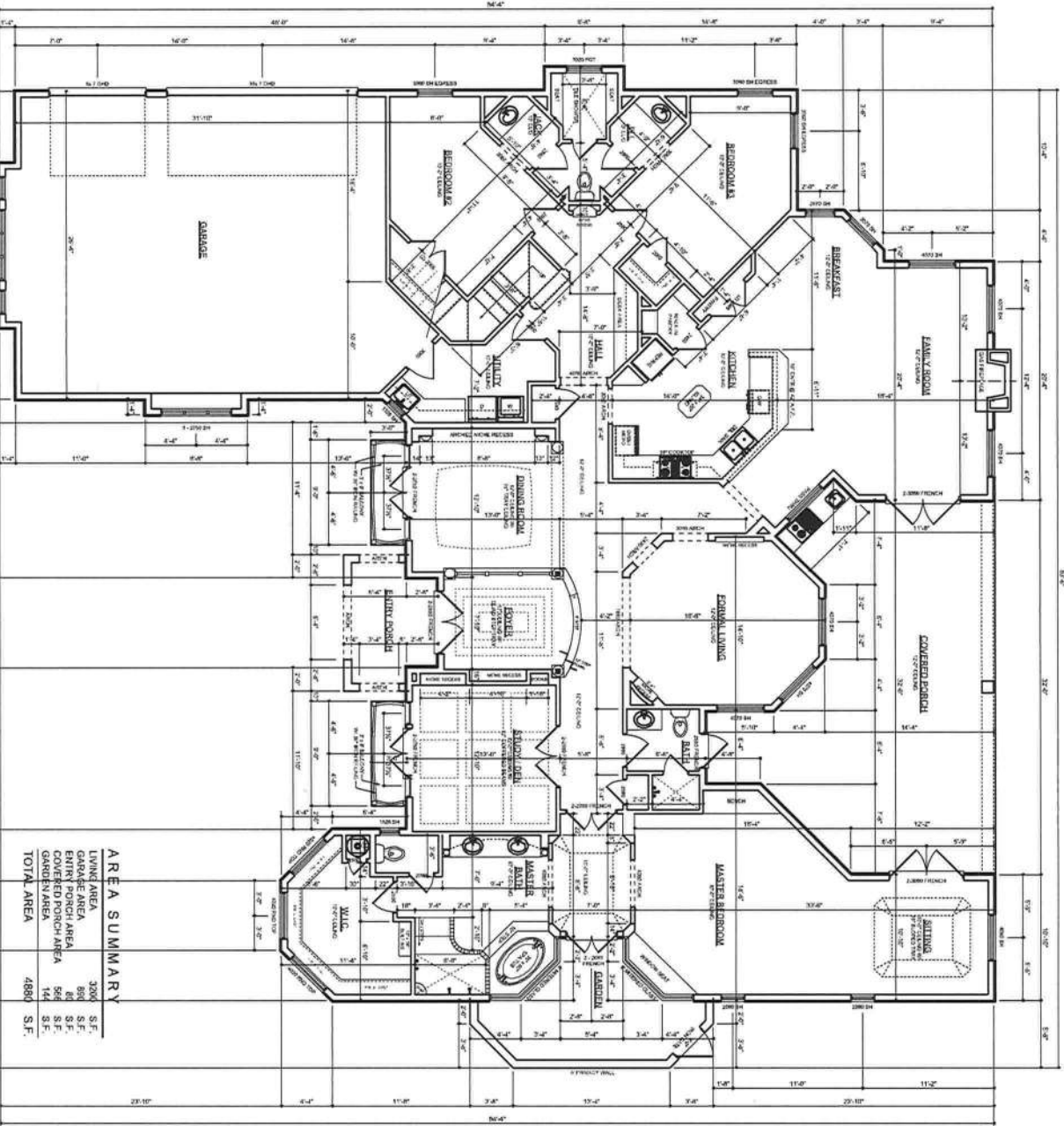
MARLIN



SW FACE DR.

COUNTY ROAD 240

FLOOR PLAN



AREA SUMMARY

LIVING AREA	3000	S.F.
GARAGE AREA	800	S.F.
ENTRY PORCH AREA	80	S.F.
COVERED PORCH AREA	920	S.F.
COURT YARD AREA	140	S.F.
TOTAL AREA	4880	S.F.

10/1/97

	DESIGNER CHARLES & MARLENE MEADE	REVISIONS July 31, 2000
	PROJECT ADDRESS: LOT 1 COLUMBIA MEADOWS 50, COLUMBIA COUNTY, FL	

General Warranty Deed

Made this June 30, 2008 A.D. By **Scott R. Cleveland and his wife, Sharon S. Cleveland**, whose post office address is: P.O. Box 2184, Lake City, Florida 32056, hereinafter called the grantor, to **Charles Meade and his wife, Marlene H. Meade**, whose post office address is: P. O. Box 2307, Lake City, Florida 32056, hereinafter called the grantee:

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

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lot 1, COLUMBIA MEADOWS a subdivision according to the plat thereof as recorded in Plat Book 5, Pages 88 and 88-A of the public records of Columbia County, Florida.

Parcel ID Number: 11-5S-16-03564-101

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

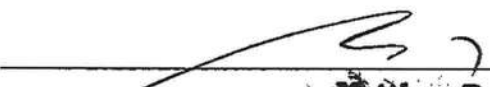
To Have and to Hold, the same in fee simple forever.

And the 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, 2007.

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

Signed, sealed and delivered in our presence:


Witness Printed Name MELINDA WEAVER

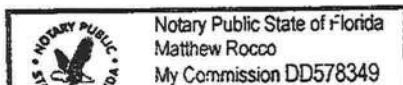

Witness Printed Name Matthew D. Rocco


_____(Seal)
Scott R. Cleveland
Address: P.O. Box 2184, Lake City, Florida 32056


_____(Seal)
Sharon S. Cleveland
Address: _____

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 30th day of June, 2008, by Scott R. Cleveland and his wife, Sharon S. Cleveland, who is/are personally known to me or who has produced _____ as identification.





Notary Public

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

Quincy • (850) 442-3495
Fax • (850) 442-4008

JOB NO.: 45-228
DATE TESTED: 12-2-78

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ (D-2922) Nuclear (D-2937) Drive Cylinder Other

PROJECT: Get 1st At Chamber Members

CLIENT: Wichita Co. Court

GENERAL CONTRACTOR: James P. Smith EARTHWORK CONTRACTOR: Robert Smith

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 9.0

TECHNICIAN: J. Smith/Kel.

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): _____

[illegible]

REMARKS:

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1		10.5 2	17.4

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other
The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test location and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.



27443

Lake City (386) 755-3611
Gainesville (352) 494-5751
Fax (386) 755-3885
Toll Free 1-800-616-4707

Aspen Pest Control, Inc.
P.O. Box 1795
Lake City, FL 32056

Columbia County Building Dept.
Attn: Wayne

Sir,

This letter is to inform you of Aspen's approval of a warranty on the home being constructed at 5110 SW CR 240 in Lake City. The area in question (sunken floor area with integrated heated floor system) in master bathroom has been inspected and retreated by our certified operator and has passed his inspection. We will have no problem with issuing a warranty. Please call if there are any further questions.

Thank You,



Shannon Gregory
President

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

27443

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1785 City Lake City State FL Zip 32856
Company Business License No. JB109476 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: _____ Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) _____

Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) _____
Brand Name of Product(s) Used _____
EPA Registration No. _____
Approximate Final Mix Solution % _____
Approximate Size of Treatment Area: Sq. ft. _____ Linear ft. _____ Linear ft. of Masonry Voids _____
Approximate Total Gallons of Solution Applied _____
Was treatment completed on exterior? ☐ Yes ☐ No
Service Agreement Available? ☐ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) _____ Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature _____ Date _____

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

July 22, 2008

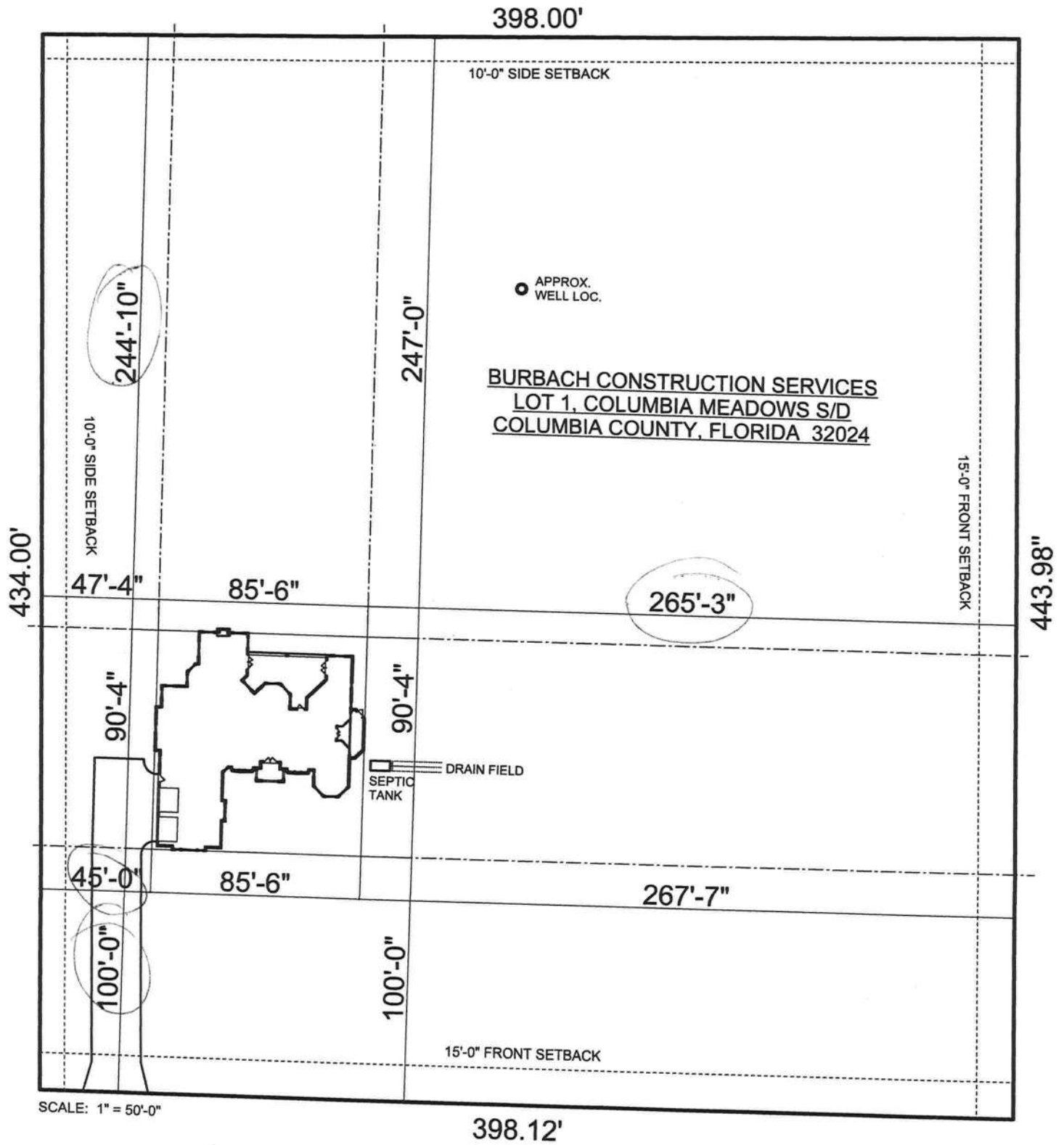
Notice To All Contractors:
Attn: Isaac Construction

Please be advised that due to the new building codes we will
Use a large capacity diaphragm tank on all new well.
This will insure a minimum of one (1) minute draw down or
One (1) minute refill. If a smaller diaphragm tank is used then
We will install a cycle stop valve which will produce the same
Results. All wells will have a pump & tank combination that
Will be sufficient enough for each situation.

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

Thank You,

Donald Hall



COUNTY ROAD 240



COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 11/2/2007 DATE ISSUED: 11/5/2007

ENHANCED 9-1-1 ADDRESS:

5110 SW COUNTY ROAD 240
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

11-5S-16-03564-101

Remarks:

LOT 1 COLUMBIA MEADOWS S/D.

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

NOV 05 2007

911Addressing/GIS Dept

1013

Re-Issued Permit from 27443
to Complete Residence - new Contractor.
Columbia County Building Permit Application

Application Fee PAID

For Office Use Only Application # 1601-12 Date Received 1/12 By GA Permit # 28339
Zoning Official N/A Date _____ Flood Zone _____ Land Use _____ Zoning _____
FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner N/A Date _____
Comments: See Permit 27443 - No changes to original plans per contractor.
☐ 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

Septic Permit No. 08-0518 Good until 4-29-10 (LH/SAL) Fax 386-719-4757

Name Authorized Person Signing Permit Samantha Harrington Phone 386-719-7143

Address 125 SW Midtown Pl Ste #101 Lake City, FL 32025

Owners Name Charles + Marlene Meade Phone _____

911 Address 5110 SW CR 240 Lake City, FL 32024

Contractors Name Isaac Construction, LLC Phone 386-719-7143

Address 125 SW Midtown Pl Ste #101 Lake City, FL 32025

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Mark Disosway Po Box 868 Lake City, FL 32056

Mortgage Lenders Name & Address _____

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

Property ID Number 11-SS-16-03564-101 Estimated Cost of Construction \$180,000.-

Subdivision Name Columbia Meadows Lot 1 Block _____ Unit _____ Phase _____

Driving Directions 47-S To C-240, TL to Peace Rd, TR, 1st parcel

on h

Number of Existing Dwellings on Property 0

Construction of SFD (ReIssue Permit SFD) Total Acreage 4.01 Lot Size _____

Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____

Actual Distance of Structure from Property Lines - Front _____ Side _____ Side _____ Rear _____

Number of Stories 2 Heated Floor Area 4695 Total Floor Area 6245 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

Talked to Samantha on 1-22-10 \$1400.00 permit fee
6/11

Contractor said the interior fixtures have been w/s railed - New East.

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.)

X Charles Meade Marlene H Meade
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.

Sam Bruchrich
Contractor's Signature (Permitee)

Contractor's License Number CBC 058323
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 4th day of Jan. 2010.

Personally known X or Produced Identification _____

Barbara C Webster

SEAL:

State of Florida Notary Signature (For the Contractor)



BARBARA C. WEBSTER
MY COMMISSION # DD 800888
EXPIRES: July 2, 2012
Bonded Thru Budget Notary Services

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR Isaac Construction PHONE 386-789-7143

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 <i>GF</i>	Print Name <u>Lyndon Rainbolt</u> License #: <u>EC13001834 476</u>	Signature <u>Lyndon Rainbolt</u> Phone #: <u>386-867-1004</u>
MECHANICAL/A/C <i>GF</i>	Print Name <u>Jeremiah Cook</u> License #: <u>CAC1813212</u>	Signature <u>Jeremiah Cook</u> Phone #: <u>623-48836</u>
PLUMBING/GAS <i>GF</i>	Print Name <u>KEN ROCHE</u> License #: <u>CFC1426527</u>	Signature <u>Ken Roche</u> Phone #: <u>386-755-9243</u>
ROOFING <i>already done</i>	Print Name <u>N/A</u> License #: <u>N/A</u>	Signature _____ Phone #: <u>(See Permit 27443 Completed) 44</u>
SHEET METAL	Print Name <u>N/A</u> License #: <u>N/A</u>	Signature _____ Phone #: _____
FIRE SYSTEM/SPRINKLER	Print Name <u>N/A</u> License #: <u>N/A</u>	Signature _____ Phone #: _____
SOLAR	Print Name <u>N/A</u> License #: <u>N/A</u>	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
<i>GF</i> MASON	<u>769</u> <u>CAC1517099</u>	<u>JAMES R. ZUBER</u>	<u>James R. Zuber</u>
<i>GF</i> CONCRETE FINISHER	<u>46</u>	<u>BEN LOFSTROM</u>	<u>Ben Hoffmann</u>
FRAMING	<u>N/A</u>	<u>Done</u>	
<i>GF</i> INSULATION	<u>CBC059323</u>	<u>ISAC BROTHOVICH</u>	<u>Isaac Brothovich</u>
<i>GF</i> STUCCO	<u>000345</u>	<u>Kim Heitzman</u>	<u>Kim Heitzman</u>
<i>GF</i> DRYWALL	<u>000345</u>	<u>Kim Heitzman</u>	<u>Kim Heitzman</u>
<i>GF</i> PLASTER	<u>000345</u>	<u>Kim Heitzman</u>	<u>Kim Heitzman</u>
<i>GF</i> CABINET INSTALLER	<u>000060</u>	<u>RAY WILLEMS</u>	<u>Ray Willem</u>
<i>GF</i> PAINTING	<u>CBC059323</u>	<u>ISAC BROTHOVICH</u>	<u>Isaac Brothovich</u>
ACOUSTICAL CEILING	<u>N/A</u>		
GLASS	<u>N/A</u>		
<i>GF</i> CERAMIC TILE	<u>20816 152</u>	<u>QUARTREWORK BLANK</u>	<u>Quatrework Blank</u>
<i>GF</i> FLOOR COVERING	<u>CBC059323</u>	<u>ISAC BROTHOVICH</u>	<u>Isaac Brothovich</u>
<i>GF</i> ALUM/VINYL SIDING	<u>000077</u>	<u>Caleb Laughlin</u>	<u>Caleb Laughlin</u>
<i>GF</i> GARAGE DOOR	<u>CBC059323</u>	<u>ISAC BROTHOVICH</u>	<u>Isaac Brothovich</u>
METAL BLDG ERECTOR	<u>N/A</u>		

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.

Residential System Sizing Calculation

Summary

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

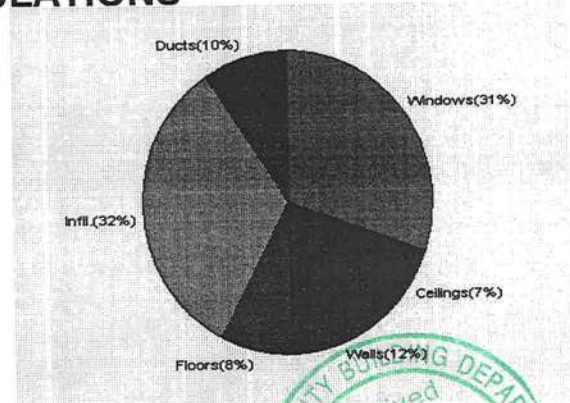
10/2/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	78657 Btuh	Total cooling load calculation	96686 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	105.5 83000	Sensible (SHR = 0.75)	83.8 62250
Heat Pump + Auxiliary(0.0kW)	105.5 83000	Latent	92.7 20750
		Total (Electric Heat Pump)	85.8 83000

WINTER CALCULATIONS

Winter Heating Load (for 4695 sqft)

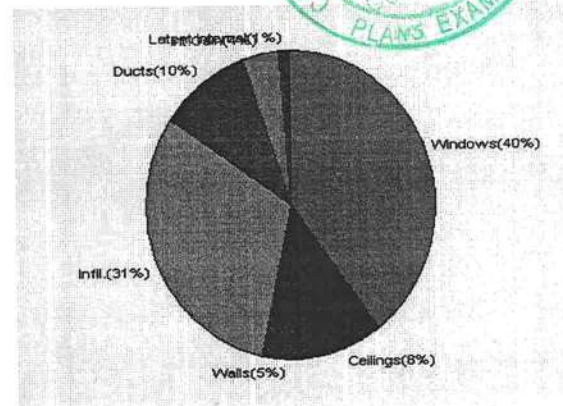
Load component			Load	
Window total	750 sqft		24132	Btuh
Wall total	3262 sqft		9440	Btuh
Door total	20 sqft		259	Btuh
Ceiling total	4930 sqft		5809	Btuh
Floor total	374 sqft		6116	Btuh
Infiltration	626 cfm		25357	Btuh
Duct loss			7544	Btuh
Subtotal			78657	Btuh
Ventilation	0 cfm		0	Btuh
TOTAL HEAT LOSS			78657	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 4695 sqft)

Load component			Load	
Window total	750 sqft		38373	Btuh
Wall total	3262 sqft		4893	Btuh
Door total	20 sqft		196	Btuh
Ceiling total	4930 sqft		8164	Btuh
Floor total			0	Btuh
Infiltration	548 cfm		10194	Btuh
Internal gain			3780	Btuh
Duct gain			8703	Btuh
Sens. Ventilation	0 cfm		0	Btuh
Total sensible gain			74303	Btuh
Latent gain(ducts)			1165	Btuh
Latent gain(infiltration)			20018	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			22383	Btuh
TOTAL HEAT GAIN			96686	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 10/2/08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

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

10/2/2008

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	S	18.0	32.2	579 Btuh
2	2, Clear, Metal, 0.87	E	21.0	32.2	676 Btuh
3	2, Clear, Metal, 0.87	SE	21.0	32.2	676 Btuh
4	2, Clear, Metal, 0.87	E	42.0	32.2	1352 Btuh
5	2, Clear, Metal, 0.87	S	56.0	32.2	1803 Btuh
6	2, Clear, Metal, 0.87	W	28.0	32.2	901 Btuh
7	2, Clear, Metal, 0.87	W	48.0	32.2	1545 Btuh
8	2, Clear, Metal, 0.87	S	28.0	32.2	901 Btuh
9	2, Clear, Metal, 0.87	SW	28.0	32.2	901 Btuh
10	2, Clear, Metal, 0.87	W	28.0	32.2	901 Btuh
11	2, Clear, Metal, 0.87	S	21.3	32.2	687 Btuh
12	2, Clear, Metal, 0.87	SE	48.0	32.2	1545 Btuh
13	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
14	2, Clear, Metal, 0.87	W	24.0	32.2	773 Btuh
15	2, Clear, Metal, 0.87	NW	48.0	32.2	1545 Btuh
16	2, Clear, Metal, 0.87	W	32.0	32.2	1030 Btuh
17	2, Clear, Metal, 0.87	SW	48.0	32.2	1545 Btuh
18	2, Clear, Metal, 0.87	NW	8.0	32.2	258 Btuh
19	2, Clear, Metal, 0.87	N	8.0	32.2	258 Btuh
20	2, Clear, Metal, 0.87	NE	8.0	32.2	258 Btuh
21	2, Clear, Metal, 0.87	E	4.2	32.2	134 Btuh
22	2, Clear, Metal, 0.87	N	72.0	32.2	2318 Btuh
23	2, Clear, Metal, 0.87	N	40.0	32.2	1288 Btuh
24	2, Clear, Metal, 0.87	NW	4.2	32.2	134 Btuh
25	2, Clear, Metal, 0.87	E	36.0	32.2	1159 Btuh
26	2, Clear, Metal, 0.87	E	6.0	32.2	193 Btuh
Window Total			750(sqft)		24132 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	2998	2.9	8573 Btuh
2	Frame - Wood - Adj(0.09)	13.0	264	3.3	867 Btuh
Wall Total			3262		9440 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
Door Total			20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	4930	1.2	5809 Btuh
Ceiling Total			4930		5809Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	374.0 ft(p)	16.4	6116 Btuh
Floor Total			374		6116 Btuh
Envelope Subtotal:					45756 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Columbia County, FL 32024-

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

10/2/2008

Infiltration	Type Natural	ACH X Volume(cuft) walls(sqft) CFM= 0.80 46950 3262 626.0	25357 Btuh
Ductload		(DLM of 0.106)	7544 Btuh
All Zones		Sensible Subtotal All Zones	78657 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	78657 Btuh 0 Btuh 78657 Btuh
--	--	------------------------------------

EQUIPMENT

1. Electric Heat Pump	#	41000 Btuh
2. Electric Heat Pump	#	42000 Btuh

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

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



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

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

10/2/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	S	18.0		32.2	579 Btuh
2	2, Clear, Metal, 0.87	E	21.0		32.2	676 Btuh
3	2, Clear, Metal, 0.87	SE	21.0		32.2	676 Btuh
4	2, Clear, Metal, 0.87	E	42.0		32.2	1352 Btuh
5	2, Clear, Metal, 0.87	S	56.0		32.2	1803 Btuh
6	2, Clear, Metal, 0.87	W	28.0		32.2	901 Btuh
7	2, Clear, Metal, 0.87	W	48.0		32.2	1545 Btuh
8	2, Clear, Metal, 0.87	S	28.0		32.2	901 Btuh
9	2, Clear, Metal, 0.87	SW	28.0		32.2	901 Btuh
10	2, Clear, Metal, 0.87	W	28.0		32.2	901 Btuh
11	2, Clear, Metal, 0.87	S	21.3		32.2	687 Btuh
12	2, Clear, Metal, 0.87	SE	48.0		32.2	1545 Btuh
13	2, Clear, Metal, 0.87	S	24.0		32.2	773 Btuh
14	2, Clear, Metal, 0.87	W	24.0		32.2	773 Btuh
15	2, Clear, Metal, 0.87	NW	48.0		32.2	1545 Btuh
16	2, Clear, Metal, 0.87	W	32.0		32.2	1030 Btuh
17	2, Clear, Metal, 0.87	SW	48.0		32.2	1545 Btuh
18	2, Clear, Metal, 0.87	NW	8.0		32.2	258 Btuh
19	2, Clear, Metal, 0.87	N	8.0		32.2	258 Btuh
20	2, Clear, Metal, 0.87	NE	8.0		32.2	258 Btuh
21	2, Clear, Metal, 0.87	E	4.2		32.2	134 Btuh
22	2, Clear, Metal, 0.87	N	72.0		32.2	2318 Btuh
23	2, Clear, Metal, 0.87	N	40.0		32.2	1288 Btuh
24	2, Clear, Metal, 0.87	NW	4.2		32.2	134 Btuh
25	2, Clear, Metal, 0.87	E	36.0		32.2	1159 Btuh
26	2, Clear, Metal, 0.87	E	6.0		32.2	193 Btuh
Window Total			750(sqft)			24132 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	2998		2.9	8573 Btuh
2	Frame - Wood - Adj(0.09)	13.0	264		3.3	867 Btuh
Wall Total			3262			9440 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
Door Total			20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	4930		1.2	5809 Btuh
Ceiling Total			4930			5809Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	374.0 ft(p)		16.4	6116 Btuh
Floor Total			374			6116 Btuh
Zone Envelope Subtotal:						45756 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

10/2/2008

Infiltration	Type Natural	ACH X Volume(cuft) walls(sqft) CFM= 0.80 46950 3262 626.0	25357 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.106)		7544 Btuh
Zone #1	Sensible Zone Subtotal		78657 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	78657 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	78657 Btuh

EQUIPMENT

1. Electric Heat Pump	#	41000 Btuh
2. Electric Heat Pump	#	42000 Btuh

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

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



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

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

10/2/2008

Component Loads for Whole House

Component Data												
Window	Type*	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang		Window Area(sqft)			HTM		Load	
				Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N		S	1.5ft	10ft.	18.0	16.5	1.5	29	34	528	Btuh
2	2, Clear, 0.87, None,N,N		E	1.5ft	12ft.	21.0	0.0	21.0	29	80	1670	Btuh
3	2, Clear, 0.87, None,N,N		SE	1.5ft	12ft.	21.0	0.0	21.0	29	63	1313	Btuh
4	2, Clear, 0.87, None,N,N		E	1.5ft	12ft.	42.0	0.0	42.0	29	80	3340	Btuh
5	2, Clear, 0.87, None,N,N		S	1.5ft	12ft.	56.0	36.1	19.9	29	34	1715	Btuh
6	2, Clear, 0.87, None,N,N		W	1.5ft	12ft.	28.0	0.0	28.0	29	80	2226	Btuh
7	2, Clear, 0.87, None,N,N		W	4.5ft	12ft.	48.0	0.0	48.0	29	80	3817	Btuh
8	2, Clear, 0.87, None,N,N		S	13.8	12ft.	28.0	28.0	0.0	29	34	811	Btuh
9	2, Clear, 0.87, None,N,N		SW	15ft.	12ft.	28.0	28.0	0.0	29	63	811	Btuh
10	2, Clear, 0.87, None,N,N		W	25ft.	12ft.	28.0	28.0	0.0	29	80	811	Btuh
11	2, Clear, 0.87, None,N,N		S	22ft.	12ft.	21.3	21.3	0.0	29	34	618	Btuh
12	2, Clear, 0.87, None,N,N		SE	4.5ft	12ft.	48.0	21.4	26.6	29	63	2283	Btuh
13	2, Clear, 0.87, None,N,N		S	1.5ft	10ft.	24.0	22.0	2.0	29	34	704	Btuh
14	2, Clear, 0.87, None,N,N		W	1.5ft	10ft.	24.0	0.0	24.0	29	80	1908	Btuh
15	2, Clear, 0.87, None,N,N		NW	3ft.	10ft.	48.0	0.0	48.0	29	60	2882	Btuh
16	2, Clear, 0.87, None,N,N		W	6.5ft	10ft.	32.0	13.6	18.4	29	80	1858	Btuh
17	2, Clear, 0.87, None,N,N		SW	3ft.	10ft.	48.0	8.4	39.6	29	63	2721	Btuh
18	2, Clear, 0.87, None,N,N		NW	1.5ft	10ft.	8.0	0.0	8.0	29	60	480	Btuh
19	2, Clear, 0.87, None,N,N		N	1.5ft	10ft.	8.0	0.0	8.0	29	29	232	Btuh
20	2, Clear, 0.87, None,N,N		NE	1.5ft	10ft.	8.0	0.0	8.0	29	60	480	Btuh
21	2, Clear, 0.87, None,N,N		E	1.5ft	10ft.	4.2	0.0	4.2	29	80	332	Btuh
22	2, Clear, 0.87, None,N,N		N	1.5ft	10ft.	72.0	0.0	72.0	29	29	2085	Btuh
23	2, Clear, 0.87, None,N,N		N	9.5ft	17ft.	40.0	0.0	40.0	29	29	1158	Btuh
24	2, Clear, 0.87, None,N,N		NW	1.5ft	10ft.	4.2	0.0	4.2	29	60	250	Btuh
25	2, Clear, 0.87, None,N,N		E	1.5ft	10ft.	36.0	0.0	36.0	29	80	2863	Btuh
26	2, Clear, 0.87, None,N,N		E	1.5ft	8ft.	6.0	0.0	6.0	29	80	477	Btuh
Window Total						750 (sqft)					38373 Btuh	
Walls		Type	R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext		19.0/0.08		2998.3			1.5		4495 Btuh		
2	Frame - Wood - Adj		13.0/0.09		264.0			1.5		398 Btuh		
Wall Total					3262 (sqft)					4893 Btuh		
Doors		Type			Area (sqft)			HTM		Load		
1	Insulated - Adjacent				20.0			9.8		196 Btuh		
Door Total					20 (sqft)					196 Btuh		
Ceilings		Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle		30.0		4930.0			1.7		8164 Btuh		
Ceiling Total					4930 (sqft)					8164 Btuh		
Floors		Type	R-Value		Size			HTM		Load		
1	Slab On Grade		5.0		374 (ft(p))			0.0		0 Btuh		
Floor Total					374.0 (sqft)					0 Btuh		
Envelope Subtotal:											51626 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Columbia County, FL 32024-

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

10/2/2008

Infiltration	Type SensibleNatural	ACH 0.70	Volume(cuft) 46950	wall area(sqft) 3262	CFM= 626.0	Load 10194 Btuh
Internal gain		Occupants 6	Btuh/occupant X 230	Appliance +	2400	Load 3780 Btuh
					Sensible Envelope Load:	65600 Btuh
Duct load					(DGM of 0.133)	8703 Btuh
					Sensible Load All Zones	74303 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Columbia County, FL 32024-

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

10/2/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	65600 Btuh
	Sensible Duct Load	8703 Btuh
	Total Sensible Zone Loads	74303 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	74303 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	20018 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1165 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	22383 Btuh
	TOTAL GAIN	96686 Btuh

EQUIPMENT

1. Central Unit	#	41000 Btuh
2. Central Unit	#	42000 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

Columbia County, FL 32024-

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

10/2/2008

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	18.0	16.5	1.5	29	34	528 Btuh	
2	2, Clear, 0.87, None,N,N	E	1.5ft	12ft.	21.0	0.0	21.0	29	80	1670 Btuh	
3	2, Clear, 0.87, None,N,N	SE	1.5ft	12ft.	21.0	0.0	21.0	29	63	1313 Btuh	
4	2, Clear, 0.87, None,N,N	E	1.5ft	12ft.	42.0	0.0	42.0	29	80	3340 Btuh	
5	2, Clear, 0.87, None,N,N	S	1.5ft	12ft.	56.0	36.1	19.9	29	34	1715 Btuh	
6	2, Clear, 0.87, None,N,N	W	1.5ft	12ft.	28.0	0.0	28.0	29	80	2226 Btuh	
7	2, Clear, 0.87, None,N,N	W	4.5ft	12ft.	48.0	0.0	48.0	29	80	3817 Btuh	
8	2, Clear, 0.87, None,N,N	S	13.8	12ft.	28.0	28.0	0.0	29	34	811 Btuh	
9	2, Clear, 0.87, None,N,N	SW	15ft.	12ft.	28.0	28.0	0.0	29	63	811 Btuh	
10	2, Clear, 0.87, None,N,N	W	25ft.	12ft.	28.0	28.0	0.0	29	80	811 Btuh	
11	2, Clear, 0.87, None,N,N	S	22ft.	12ft.	21.3	21.3	0.0	29	34	618 Btuh	
12	2, Clear, 0.87, None,N,N	SE	4.5ft	12ft.	48.0	21.4	26.6	29	63	2283 Btuh	
13	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	24.0	22.0	2.0	29	34	704 Btuh	
14	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	24.0	0.0	24.0	29	80	1908 Btuh	
15	2, Clear, 0.87, None,N,N	NW	3ft.	10ft.	48.0	0.0	48.0	29	60	2882 Btuh	
16	2, Clear, 0.87, None,N,N	W	6.5ft	10ft.	32.0	13.6	18.4	29	80	1858 Btuh	
17	2, Clear, 0.87, None,N,N	SW	3ft.	10ft.	48.0	8.4	39.6	29	63	2721 Btuh	
18	2, Clear, 0.87, None,N,N	NW	1.5ft	10ft.	8.0	0.0	8.0	29	60	480 Btuh	
19	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	8.0	0.0	8.0	29	29	232 Btuh	
20	2, Clear, 0.87, None,N,N	NE	1.5ft	10ft.	8.0	0.0	8.0	29	60	480 Btuh	
21	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	4.2	0.0	4.2	29	80	332 Btuh	
22	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	72.0	0.0	72.0	29	29	2085 Btuh	
23	2, Clear, 0.87, None,N,N	N	9.5ft	17ft.	40.0	0.0	40.0	29	29	1158 Btuh	
24	2, Clear, 0.87, None,N,N	NW	1.5ft	10ft.	4.2	0.0	4.2	29	60	250 Btuh	
25	2, Clear, 0.87, None,N,N	E	1.5ft	10ft.	36.0	0.0	36.0	29	80	2863 Btuh	
26	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	6.0	0.0	6.0	29	80	477 Btuh	
Window Total						750 (sqft)					38373 Btuh
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	19.0/0.08			2998.3			1.5		4495 Btuh	
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Wall Total						3262 (sqft)					4893 Btuh
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
Door Total						20 (sqft)					196 Btuh
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			4930.0			1.7		8164 Btuh	
Ceiling Total						4930 (sqft)					8164 Btuh
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	5.0			374 (ft(p))			0.0		0 Btuh	
Floor Total						374.0 (sqft)					0 Btuh
Zone Envelope Subtotal:										51626 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Columbia County, FL 32024-

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

10/2/2008

Infiltration	Type SensibleNatural	ACH 0.70	Volume(cuft) 46950	wall area(sqft) 3262	CFM= 547.8	Load 10194 Btuh
Internal gain		Occupants 6	Btuh/occupant X 230	Appliance +	2400	Load 3780 Btuh
					Sensible Envelope Load:	65600 Btuh
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.133)	8703 Btuh
					Sensible Zone Load	74303 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Columbia County, FL 32024-

Project Title:
Meade - 2x6

Code Only
Professional Version
Climate: North

10/2/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	65600 Btuh
	Sensible Duct Load	8703 Btuh
	Total Sensible Zone Loads	74303 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	74303 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	20018 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1165 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	22383 Btuh
	TOTAL GAIN	96686 Btuh

EQUIPMENT

1. Central Unit	#	41000 Btuh
2. Central Unit	#	42000 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Columbia County, FL 32024-

Project Title:
Meade - 2x6

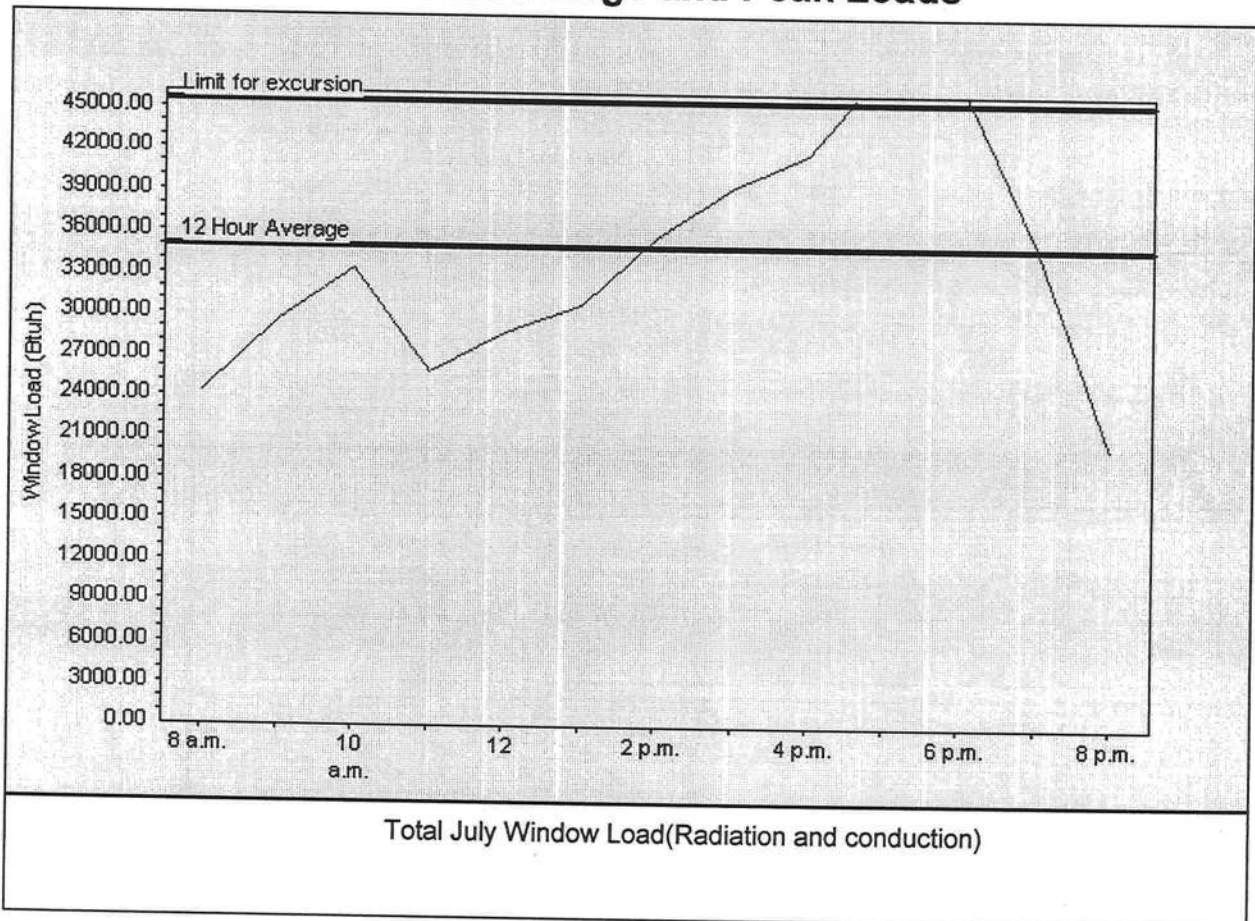
Code Only
Professional Version
Climate: North

10/2/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	35050 Btu
Summer setpoint	75 F	Peak window load for July	48516 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	45565 Btu
Latitude	29 North	Window excursion (July)	2952 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2

