

APPLICANTMATTHEW STAPEPHONE386 965-8529

ADDRESS295NW COMMONS LOOPLAKE CITYFL32024

OWNERMATTHEW & KRISTY STAPEPHONE386 965-8529

ADDRESS128SW KIMBERLY LANELAKE CITYFL32024

CONTRACTORMATTHEW STAPEPHONE386 965-8529

LOCATION OF PROPERTY90W, TL ON 247S, TR UPCHURCH RD, TL KIMBERLY LANE,
1ST PROPERTY ON LEFT

TYPE DEVELOPMENTSFD/UTILITYESTIMATED COST OF CONSTRUCTION171650.00

HEATED FLOOR AREATOTAL AREAHEIGHTSTORIES

2468.003433.001

FOUNDATIONCONCWALLSFRAMEDROOF PITCH6'12FLOORCONC

LAND USE & ZONINGRRMAX. HEIGHT18

Minimum Set Back Requirments:STREET-FRONT25.00REAR15.00SIDE10.00

NO. EX.D.U.0FLOOD ZONEX PPDEVELOPMENT PERMIT NO.

PARCEL ID16-4S-16-03026-101SUBDIVISIONKIMBERLY OAKS

LOT1BLOCKPHASEUNITTOTAL ACRES1.00

000001677

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

CULVERT08-642BKHDY

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS: ELEVATION CONFIRMATION LETTER PER PLAT REQUIRED AT SLAB, NOC ON FILE

MFE @ 92'

Check # or Cash1026

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary PowerFoundationMonolithic

date/app. bydate/app. bydate/app. by

Under slab rough-in plumbingSlabSheathing/Nailing

date/app. bydate/app. bydate/app. by

FramingRough-in plumbing above slab and below wood floor

date/app. bydate/app. by

Electrical rough-inHeat & Air DuctPeri. beam (Lintel)

date/app. bydate/app. bydate/app. by

Permanent powerC.O. FinalCulvert

date/app. bydate/app. bydate/app. by

M/H tie downs, blocking, electricity and plumbingPool

date/app. bydate/app. by

ReconnectionPump poleUtility Pole

date/app. bydate/app. bydate/app. by

M/H PoleTravel TrailerRe-roof

date/app. bydate/app. bydate/app. by

BUILDING PERMIT FEE \$860.00CERTIFICATION FEE \$17.16SURCHARGE FEE \$17.16

MISC. FEES \$0.00ZONING CERT. FEE \$50.00FIRE FEE \$0.00WASTE FEE \$

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$25.00CULVERT FEE \$25.00TOTAL FEE994.32

INSPECTORS OFFICECLERKS 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 TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Davis
Title Services of Lake City, Inc.
Main Boulevard, Suite 105
City, Florida 32025

File Number: 08-131

Inst:200812006361 Date:4/1/2008 Time:11:13 AM
Doc Stamp-Deed:210.00
29 DC, P. DeWitt Cason, Columbia County Page 1 of 1 B:1146 P:2674

Warranty Deed

Made this March 28, 2008 A.D.

By **JOSE R. PEREZ and IBET S. PEREZ, husband and wife**, 5371 SW 144 Court, Miami, Florida 33175, hereinafter called the grantor, to

MATTHEW T. STAPE and KRISTY STAPE, husband and wife, whose post office address is: McAlpin, Florida 32062, 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, KIMBERLY OAKS SUBDIVISION, according to the Plat thereof as recorded in Plat Book 7
Pages 198-199 of the Public Records of COLUMBIA COUNTY, FLORIDA.

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number: 03026-101

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:

Patricia A. Suayro (Seal)
Witness Printed Name PATRICIA A. SUAYRO
Jose R. Perez
JOSE R. PEREZ

Marilyn Corzeau (Seal)
Witness Printed Name Marilyn Corzeau
Ibet S. Perez
IBET S. PEREZ

State of Florida
County of Dade

The foregoing instrument was acknowledged before me this 25 day of March, 2008, by JOSE R. PEREZ and IBET S. PEREZ, husband and wife, who is/are personally known to me or who has produced Drivers License as identification.

Notary Public
Print Name: CARIDAD SIUTA

My Commission Expires: 7/26/10



Prepared By & Return to:
Matthew D. Rocco
Sierra Title LLC
619 SW Baya Dr., Ste 102
Lake City, FL 32025

State of: **Florida**
County of: **Columbia**


File Number: **08-0418**

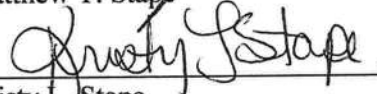
NOTICE OF COMMENCEMENT

Inst:200812018437 Date:10/7/2008 Time:12:42 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1159 P:2556

The undersigned hereby gives notice that improvement will be made to certain real property, and, in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.


1. Description of Property:
Lot 1, KIMBERLY OAKS SUBDIVISION, according to the Plat thereof as recorded in Plat Book 7 Pages 198-199 of the Public Records of COLUMBIA COUNTY, FLORIDA.
2. General Description of Improvements: Construction of Single Family Residence
3. Owner Information:
 - a. Name and Address: Matthew T. Stape & Kristy L. Stape
295 N.W. Commons Loop, Ste 115-254, Lake City, FL 32055
 - b. Interest in property: Fee Simple
 - c. Names and address of fee simple title holder (if other than owner):
4. Contractor: Matthew T. Stape & Kristy L. Stape
5. Surety:
6. Lender: Carolina First Bank, 113 Reed Avenue, Lexington, South Carolina 29072
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a)7., Florida Statutes.
8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): .



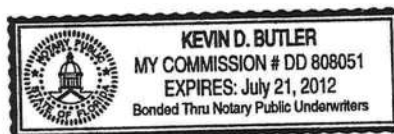
Matthew T. Stape


Kristy L. Stape

Sworn to and subscribed before me September 30, 2008 by Matthew T. Stape & Kristy L. Stape who are personally known to me or who did provide Florida Driver's Licenses as identification.



Notary Public
My Commission Expires: July 21, 2012



Columbia County Building Permit Application

For Office Use Only Application # 0810-27 Date Received 10/14/08 By G Permit # 1677/27424
 Zoning Official BLK Date 12.10.08 Flood Zone X P plat Land Use RVLO Zoning RR
 FEMA Map # N/A Elevation N/A MFE 72.08' River N/A Plans Examiner HD Date 10-15-08
 Comments Elevation Confirmation Letter per plat Required
☒ 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 \$29.88 Fire \$78.63 Corr \$409.16 Road/Code \$1,046.00 / 210
 School \$1,500.00 = TOTAL \$3,063.67

Septic Permit No. 08-0642 Fax _____
 Name Authorized Person Signing Permit Matthew T Stape Phone 386-965-8529
 Address 295 NW Commons Loop Suite 115-254 Lake City, FL 32055
 Owners Name Matthew and Kristy Stape Phone 386-965-8529
 911 Address 128 SW Kimberly Lane, Lake City, FL 32024
 Contractors Name Owner-builders Phone 386-965-8529
 Address Same as above
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Mark Disoway, P.O. Box 868 Lake City, FL 32056
 Mortgage Lenders Name & Address Mercantile Bank, 2844 W. US Hwy 90, Lake City, FL 32056

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

Property ID Number 16-45-16 03026-101 Estimated Cost of Construction 238,000

Subdivision Name Kimberly Oaks Subdivision Lot 1 Block _____ Unit _____ Phase _____

Driving Directions Take Hwy 90 to CR 2475, travel 3.8 miles south, make right onto Upchurch Rd, make first left onto Kimberly Lane, property is first parcel on left
 Number of Existing Dwellings on Property 0

Construction of New Residential site built home Total Acreage 1 Lot Size _____
 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 18' 6 3/8"
 Actual Distance of Structure from Property Lines - Front 65' Side 45' Side 33' Rear 158'
 Number of Stories 1 Heated Floor Area 2468 Total Floor Area 3433 Roof Pitch 10/12, 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.

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.

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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.


Owners Signature

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

Contractor's Signature (Permitee)

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

Affirmed under penalty of perjury to by the ^{owner's} ~~Contractor~~ and subscribed before me this _____ day of _____ 20____.
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



Columbia County Property Appraiser

DB Last Updated: 8/5/2008

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 16-4S-16-03026-101

Search Result: 1 of 1

Owner & Property Info

Owner's Name	STAPE MATTHEW T & KRISTY		
Site Address			
Mailing Address	9178 180TH ST MCALPIN, FL 32062		
Use Desc. (code)	VACANT (000000)		
Neighborhood	16416.00	Tax District	3
UD Codes	MKTA06	Market Area	06
Total Land Area	1.000 ACRES		
Description	LOT 1 KIMBERLY OAKS S/D WD 1042-1947, WD 1146-2674,		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$30,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$30,000.00

Just Value	\$30,000.00
Class Value	\$0.00
Assessed Value	\$30,000.00
Exempt Value	\$0.00
Total Taxable Value	\$30,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
3/28/2008	1146/2674	WD	V	Q		\$30,000.00
3/21/2005	1042/1947	WD	V	Q		\$33,928.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
			NONE			

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
						NONE

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT	1.00/1.00/1.00/1.00	\$30,000.00	\$30,000.00

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

1 of 1

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

10/14/08

REVISED

Permit Application Number

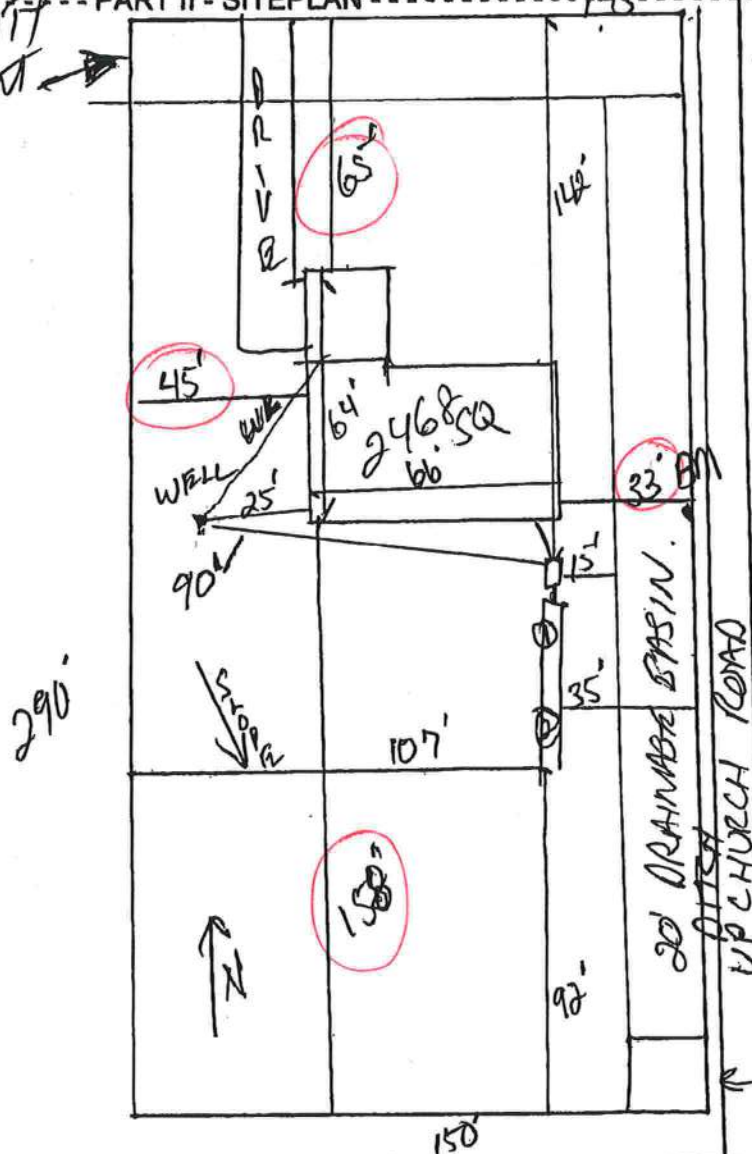
08-0642

KIMBERLY LANE

PART II - SITEPLAN

Scale: 1 inch = 50 feet.

20' UTILITY
EASEMENT



Notes:

Site Plan submitted by:

Rock D F

MASTER CONTRACTOR

Plan Approved

Not Approved

Date

By

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

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

NOTARIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

☒ Single Family Dwelling

☐ Two-Family Residence

☐ Farm Outbuilding

☐ Other _____

☐ Addition, Alteration, Modification or other Improvement

I Matthew T Stape, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building

Permit Number _____

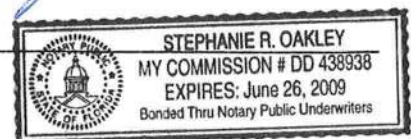
Matthew T Stape
Owner Builder Signature

10-13-08
Date

FLORIDA NOTARY

The above signer is personally known to me or produced identification

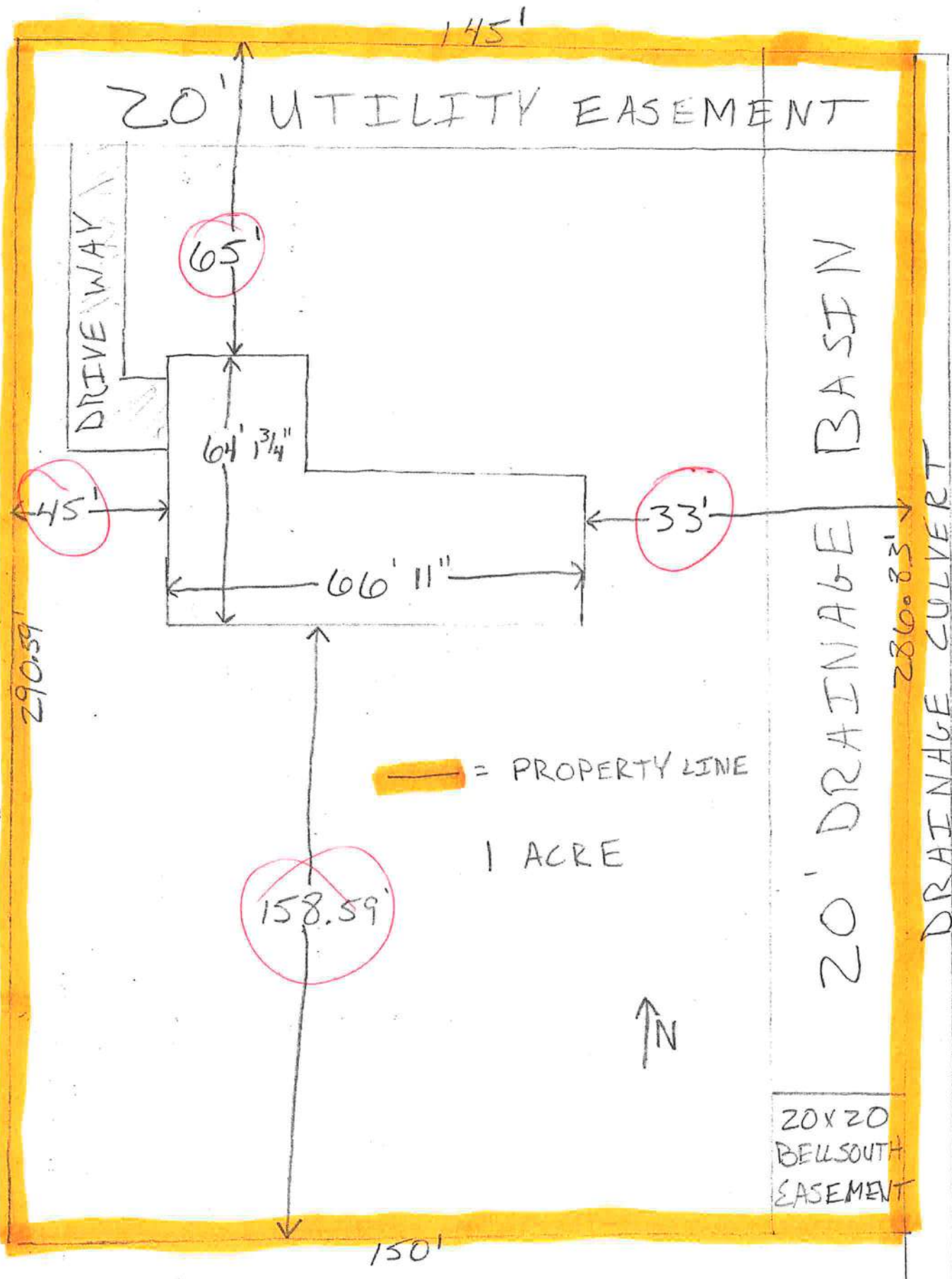
Notary Signature Stephanie R. Oakley Date 10-13-08



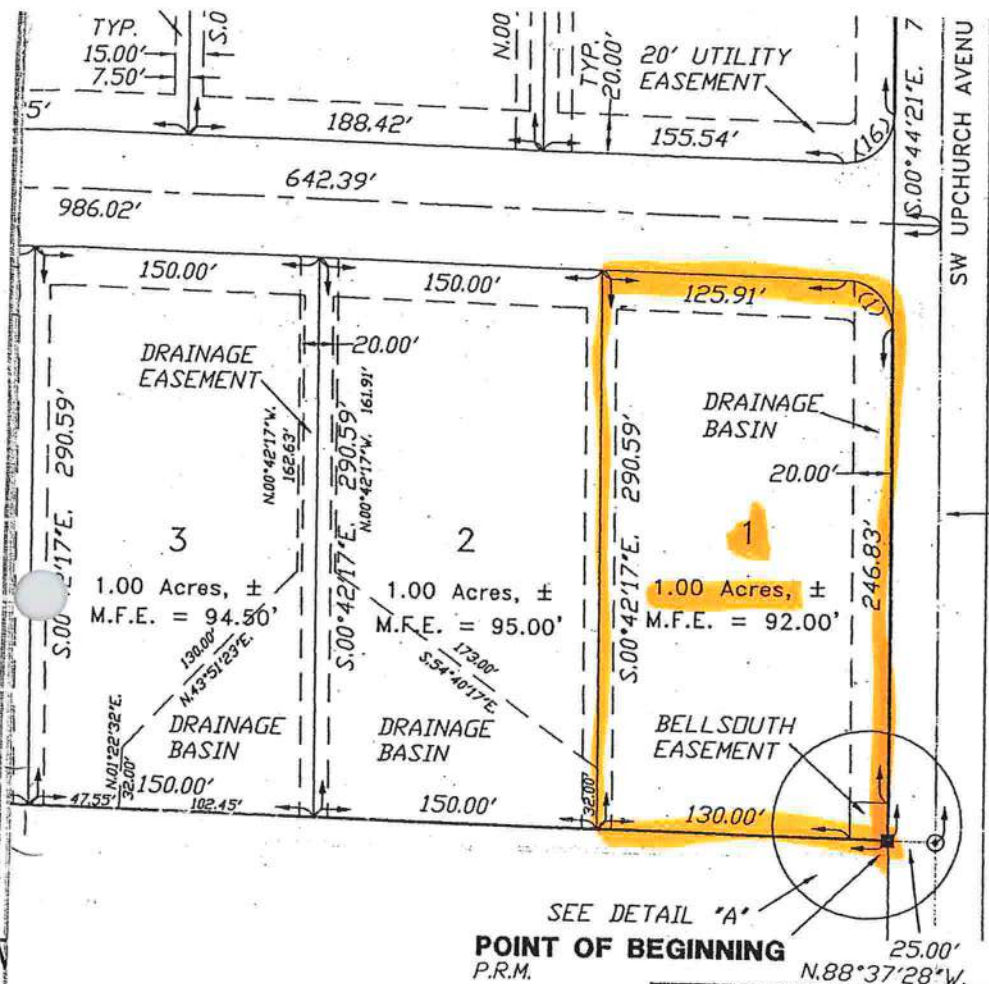
FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date _____ Building Official/Representative _____

KIMBERLY LANE

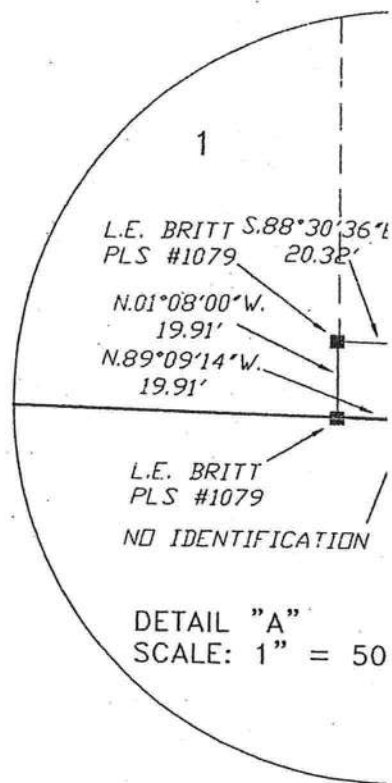


UPC HURCH ROAD



ALONG SAID WEST RIGHT-OF-WAY, 786. BEGINNING. CONTAINING 20.01 ACRES, ML

SUBJECT TO AN EASEMENT IN FAVOR OF AS THE SOUTH 20 FEET OF THE EAST



RECORDED IN ITS GRAPHICAL FORM, IS THE
 TION OF THE SUBDIVIDED LANDS DESCRIBED
 LL IN NO CIRCUMSTANCES BE SUPPLANTED IN
 OTHER GRAPHICAL OR DIGITAL FORM OF THE
 AY BE ADDITIONAL RESTRICTIONS THAT ARE NOT
 THIS PLAT THAT MAY BE FOUND IN THE PUBLIC
 HIS COUNTY.



BRITT SUR

LAND SURVEYORS A

1426 WEST DUVAL
 LAKE CITY, FLORI.

TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 W

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: 7/24/2008 DATE ISSUED: 7/25/2008

ENHANCED 9-1-1 ADDRESS:

128 SW KIMBERLY

LN

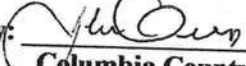
LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

16-4S-16-03026-101

Remarks:

LOT 1 KIMBERLY OAKS 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.

A & B Well Drilling, Inc.
5673 NW Lake Jeffery Road
Lake City, FL, 32055
386-758-3409

10/3/2008

To: Columbia County Building Department

Description of well to be installed for Customer:

Located at Address:

STAPR
128 SW Kimberly, Lake City FL

1 hp 20 gpm- 1 1/4" drop over 82 gallon equivalent captive tank with cycle stop and back flow prevention. With SRWM permit.

William Bias
William Bias

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **809012aStape,Matt&Kristy**
 Address: **Lot: , Sub: , Plat:**
 City, State: **Lake City, FL**
 Owner: **Stape, Matt & Kristy**
 Climate Zone: **North**

Builder: *owner builder*
 Permitting Office: *Columbia*
 Permit Number: *27424*
 Jurisdiction Number: *221000*

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 4 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 2468 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area

(or Single or Double DEFAULT) 7a. (Dble, U=0.3) 62.0 ft² ☐
 - b. SHGC:

(or Clear or Tint DEFAULT) 7b. (SHGC=0.5) 363.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 228.0(p) ft ☐
 - b. Raised Wood, Adjacent R=19.0, 275.0ft² ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=18.0, 1325.0 ft² ☐
 - b. Frame, Wood, Adjacent R=13.0, 281.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 2950.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 230.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 43.0 kBtu/hr ☐
SEER: 14.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 43.0 kBtu/hr ☐
HSPF: 8.20 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 1.0 gallons ☐
EF: 0.94 ☐
 - b. Electric Resistance Cap: 1.0 gallons ☐
EF: 0.94 ☐
 - c. Conservation credits ☐
(HR-Heat recovery, Solar
DHP-Dedicated heat pump)
15. HVAC credits ☐
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.15

Total as-built points: 27566

Total base points: 35659

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: 10/9/08 EVAN BEAMISLEY

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: , Sub: , Plat: , Lake City, FL,

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	2468.0	20.04	8902.6	Double,U=0.30,SHGC=0.5	S	1.5	6.0	30.0	28.75	0.86	738.4
				Double,U=0.30,SHGC=0.5	S	1.5	3.0	8.0	28.75	0.66	151.7
				Double,U=0.30,SHGC=0.5	S	9.4	9.0	62.0	28.75	0.51	916.1
				Double,U=0.30,SHGC=0.5	S	5.1	8.0	18.0	28.75	0.60	311.0
				Double,U=0.30,SHGC=0.5	SW	10.0	8.0	18.0	32.00	0.45	257.7
				Double,U=0.30,SHGC=0.5	S	9.4	8.0	36.0	28.75	0.50	512.6
				Double,U=0.30,SHGC=0.5	S	9.4	9.0	20.0	28.75	0.51	295.5
				Double,U=0.30,SHGC=0.5	W	1.5	7.0	18.0	30.80	0.94	520.5
				Double,U=0.30,SHGC=0.5	W	1.5	5.0	16.0	30.80	0.88	431.4
				Double,U=0.30,SHGC=0.5	N	1.5	5.0	12.0	16.33	0.92	179.5
				Double,U=0.30,SHGC=0.5	N	1.5	8.0	36.0	16.33	0.97	568.8
				Double,U=0.30,SHGC=0.5	N	7.0	9.0	14.0	16.33	0.75	171.6
				Double,U=0.30,SHGC=0.5	N	7.0	2.0	10.0	16.33	0.59	96.9
				Double,U=0.30,SHGC=0.5	N	0.0	0.0	20.0	16.33	1.00	326.7
				Double,U=0.30,SHGC=0.5	N	1.5	6.0	15.0	16.33	0.94	230.0
				Double,U=0.30,SHGC=0.5	E	1.5	6.0	30.0	33.43	0.91	915.4
				As-Built Total:				363.0	6623.6		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	281.0	0.70	196.7	Frame, Wood, Exterior	18.0		1325.0	1.00		1325.0	
Exterior	1325.0	1.70	2252.5	Frame, Wood, Adjacent	13.0		281.0	0.60		168.6	
Base Total: 1606.0 2449.2				As-Built Total:		1606.0		1493.6			
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	18.0	1.60	28.8	Exterior Insulated			36.0	4.10		147.6	
Exterior	101.0	4.10	414.1	Adjacent Insulated			18.0	1.60		28.8	
				Exterior Insulated			31.0	4.10		127.1	
				Exterior Insulated			14.0	4.10		57.4	
				Exterior Insulated			20.0	4.10		82.0	
Base Total: 119.0 442.9				As-Built Total:		119.0		442.9			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2468.0	1.73	4269.6	Under Attic	30.0		2950.0	1.73 X 1.00		5103.5	
Base Total: 2468.0 4269.6				As-Built Total:		2950.0		5103.5			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES	Area	X	BSPM = Points	Type	R-Value	Area	X	SPM = Points
Slab	228.0(p)	-37.0	-8436.0	Slab-On-Grade Edge Insulation	0.0	228.0(p)	-41.20	-9393.6
Raised	275.0	-3.99	-1097.3	Raised Wood, Adjacent	19.0	275.0	0.40	110.0
Base Total:			-9533.3	As-Built Total:			503.0	-9283.6
INFILTRATION Area X BSPM = Points				Area X SPM = Points				
2468.0 10.21 25198.3				2468.0 10.21 25198.3				
Summer Base Points: 31729.3				Summer As-Built Points: 29578.2				
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
31729.3	0.4266		13535.7	(sys 1: Central Unit 43000 btuh ,SEER/EFF(14.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 29578 1.00 (1.09 x 1.147 x 1.00) 0.244 1.000 9015.1 29578.2 1.00 1.250 0.244 1.000 9015.1				

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake City, FL,

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	2468.0	12.74	5659.6	Double,U=0.30,SHGC=0.5	S	1.5	6.0	30.0	-0.06	1.12	-1.9
				Double,U=0.30,SHGC=0.5	S	1.5	3.0	8.0	-0.06	1.64	-0.7
				Double,U=0.30,SHGC=0.5	S	9.4	9.0	62.0	-0.06	2.81	-9.8
				Double,U=0.30,SHGC=0.5	S	5.1	8.0	18.0	-0.06	1.99	-2.0
				Double,U=0.30,SHGC=0.5	SW	10.0	8.0	18.0	2.49	1.73	77.4
				Double,U=0.30,SHGC=0.5	S	9.4	8.0	36.0	-0.06	3.02	-6.1
				Double,U=0.30,SHGC=0.5	S	9.4	9.0	20.0	-0.06	2.81	-3.1
				Double,U=0.30,SHGC=0.5	W	1.5	7.0	18.0	5.43	1.02	99.3
				Double,U=0.30,SHGC=0.5	W	1.5	5.0	16.0	5.43	1.03	89.9
				Double,U=0.30,SHGC=0.5	N	1.5	5.0	12.0	8.31	1.00	100.1
				Double,U=0.30,SHGC=0.5	N	1.5	8.0	36.0	8.31	1.00	299.5
				Double,U=0.30,SHGC=0.5	N	7.0	9.0	14.0	8.31	1.02	118.1
				Double,U=0.30,SHGC=0.5	N	7.0	2.0	10.0	8.31	1.03	85.4
				Double,U=0.30,SHGC=0.5	N	0.0	0.0	20.0	8.31	1.00	166.2
				Double,U=0.30,SHGC=0.5	N	1.5	6.0	15.0	8.31	1.00	125.0
				Double,U=0.30,SHGC=0.5	E	1.5	6.0	30.0	4.08	1.04	126.8
				As-Built Total:		363.0			1264.2		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	281.0	3.60	1011.6	Frame, Wood, Exterior	18.0		1325.0	2.40	3180.0		
Exterior	1325.0	3.70	4902.5	Frame, Wood, Adjacent	13.0		281.0	3.30	927.3		
Base Total: 1606.0 5914.1				As-Built Total:		1606.0			4107.3		
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	18.0	8.00	144.0	Exterior Insulated			36.0	8.40	302.4		
Exterior	101.0	8.40	848.4	Adjacent Insulated			18.0	8.00	144.0		
				Exterior Insulated			31.0	8.40	260.4		
				Exterior Insulated			14.0	8.40	117.6		
				Exterior Insulated			20.0	8.40	168.0		
Base Total: 119.0 992.4				As-Built Total:		119.0			992.4		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2468.0	2.05	5059.4	Under Attic	30.0		2950.0	2.05 X 1.00	6047.5		
Base Total: 2468.0 5059.4				As-Built Total:		2950.0			6047.5		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM = Points		
Slab	228.0(p)	8.9	2029.2	Slab-On-Grade Edge Insulation	0.0	228.0(p)	18.80	4286.4
Raised	275.0	0.96	264.0	Raised Wood, Adjacent	19.0	275.0	2.20	605.0
Base Total:			2293.2	As-Built Total:			503.0	4891.4
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
			2468.0 -0.59 -1456.1					
Winter Base Points:			18462.6	Winter As-Built Points:			15846.7	
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
18462.6	0.6274	11583.4		(sys 1: Electric Heat Pump 43000 btuh ,EFF(8.2) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 15846.7	1.000	(1.069 x 1.169 x 1.00)	0.416	1.000 8235.1
				15846.7	1.00	1.250	0.416	1.000 8235.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake City, FL,

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
4		2635.00	10540.0	1.0	0.94	4		0.50	2578.94	1.00 5157.9
				1.0	0.94	4		0.50	2578.94	1.00 5157.9
				As-Built Total:						10315.7

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
13536		11583		10540 35659	9015		8235		10316 27566

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: , Plat: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

Stape, Matt & Kristy, Lot: , Sub: , Plat: , Lake City, FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 43.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 14.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	2468 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 43.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.3) 62.0 ft ²	___		HSPF: 8.20
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (SHGC=0.5) 363.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 228.0(p) ft	___	14. Hot water systems	
b. Raised Wood, Adjacent	R=19.0, 275.0ft ²	___	a. Electric Resistance	Cap: 1.0 gallons
c. N/A	___	___		EF: 0.94
9. Wall types		___	b. Electric Resistance	Cap: 1.0 gallons
a. Frame, Wood, Exterior	R=18.0, 1325.0 ft ²	___		EF: 0.94
b. Frame, Wood, Adjacent	R=13.0, 281.0 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	
10. Ceiling types		___	(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 2950.0 ft ²	___	HF-Whole house fan,	
b. N/A	___	___	PT-Programmable Thermostat,	
c. N/A	___	___	MZ-C-Multizone cooling,	
11. Ducts		___	MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 230.0 ft	___		
b. N/A	___	___		

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE 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: FLR2PB v4.1)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001677

DATE 10/17/2008 PARCEL ID # 16-4S-16-03026-101

APPLICANT MATTHEW STAPE PHONE 386 965-8529

ADDRESS 295 NW COMMONS LOOP LAKE CITY FL 32055

OWNER MATTHEW & KRISTY STAPE PHONE 386 965-8529

ADDRESS 128 SW KIMBERLY LANE LAKE CITY FL 32024

CONTRACTOR MATTHEW STAPE PHONE 965-8529

LOCATION OF PROPERTY 90W, TL ON 247S, TR UPCHURCH RD, TL ON KIMBELY LANE,
1ST LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT KIMBERLY OAKS 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



Residential System Sizing Calculation

Summary

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

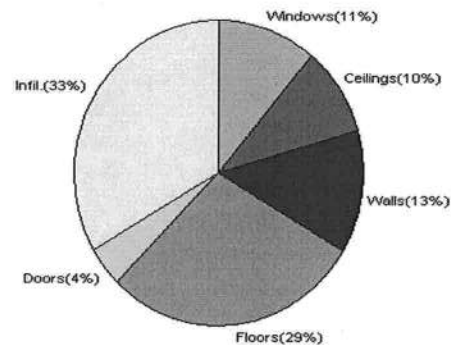
10/9/2008

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	36290 Btuh	Total cooling load calculation	33405 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.5 43000	Sensible (SHR = 0.75)	128.8 32250
Heat Pump + Auxiliary(0.0kW)	118.5 43000	Latent	128.5 10750
		Total (Electric Heat Pump)	128.7 43000

WINTER CALCULATIONS

Winter Heating Load (for 2468 sqft)

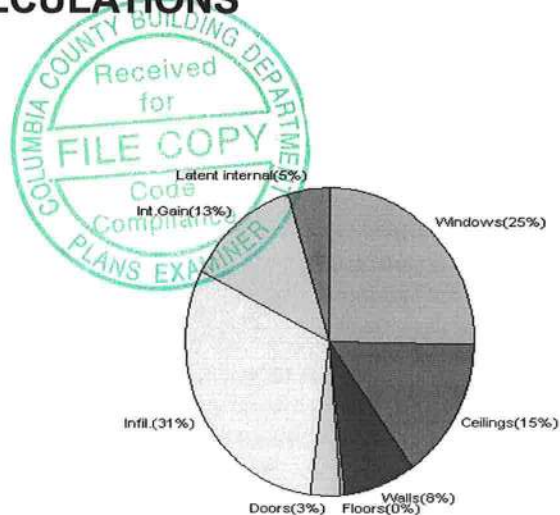
Load component		Load	
Window total	363 sqft	4029	Btuh
Wall total	1606 sqft	4782	Btuh
Door total	119 sqft	1541	Btuh
Ceiling total	2950 sqft	3476	Btuh
Floor total	See detail report	10465	Btuh
Infiltration	296 cfm	11996	Btuh
Duct loss		0	Btuh
Subtotal		36290	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		36290	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2468 sqft)

Load component		Load	
Window total	363 sqft	8472	Btuh
Wall total	1606 sqft	2667	Btuh
Door total	119 sqft	1166	Btuh
Ceiling total	2950 sqft	4885	Btuh
Floor total		165	Btuh
Infiltration	185 cfm	3445	Btuh
Internal gain		4240	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		25040	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		6765	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		8365	Btuh
TOTAL HEAT GAIN		33405	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 10/9/08 ERAN BEN-MOR

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

10/9/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.30	S	30.0	11.1	333 Btuh
2	2, SHGC=0.5, Metal, 0.30	S	8.0	11.1	89 Btuh
3	2, SHGC=0.5, Metal, 0.30	S	62.0	11.1	688 Btuh
4	2, SHGC=0.5, Metal, 0.30	S	18.0	11.1	200 Btuh
5	2, SHGC=0.5, Metal, 0.30	SW	18.0	11.1	200 Btuh
6	2, SHGC=0.5, Metal, 0.30	S	36.0	11.1	400 Btuh
7	2, SHGC=0.5, Metal, 0.30	S	20.0	11.1	222 Btuh
8	2, SHGC=0.5, Metal, 0.30	W	18.0	11.1	200 Btuh
9	2, SHGC=0.5, Metal, 0.30	W	16.0	11.1	178 Btuh
10	2, SHGC=0.5, Metal, 0.30	N	12.0	11.1	133 Btuh
11	2, SHGC=0.5, Metal, 0.30	N	36.0	11.1	400 Btuh
12	2, SHGC=0.5, Metal, 0.30	N	14.0	11.1	155 Btuh
13	2, SHGC=0.5, Metal, 0.30	N	10.0	11.1	111 Btuh
14	2, SHGC=0.5, Metal, 0.30	N	20.0	11.1	222 Btuh
15	2, SHGC=0.5, Metal, 0.30	N	15.0	11.1	166 Btuh
16	2, SHGC=0.5, Metal, 0.30	E	30.0	11.1	333 Btuh
Window Total			363(sqft)		4029 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	18.0	1325	2.9	3859 Btuh
2	Frame - Wood - Adj(0.09)	13.0	281	3.3	923 Btuh
Wall Total			1606		4782 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Exterior		14	12.9	181 Btuh
3	Insulated - Exterior		31	12.9	401 Btuh
4	Insulated - Adjacent		18	12.9	233 Btuh
5	Insulated - Exterior		36	12.9	466 Btuh
Door Total			119		1541 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2950	1.2	3476 Btuh
Ceiling Total			2950		3476 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Raised Wood - Adj	19	275.0 sqft	1.9	510 Btuh
2	Slab On Grade	0	228.0 ft(p)	43.7	9954 Btuh
Floor Total			503		10465 Btuh
Zone Envelope Subtotal:					24293 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	22212	296.2	11996 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

10/9/2008

Zone #1	Sensible Zone Subtotal	36290 Btuh
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WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	36290 Btuh 0 Btuh 36290 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)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

10/9/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.30	S	30.0		11.1	333 Btuh
2	2, SHGC=0.5, Metal, 0.30	S	8.0		11.1	89 Btuh
3	2, SHGC=0.5, Metal, 0.30	S	62.0		11.1	688 Btuh
4	2, SHGC=0.5, Metal, 0.30	S	18.0		11.1	200 Btuh
5	2, SHGC=0.5, Metal, 0.30	SW	18.0		11.1	200 Btuh
6	2, SHGC=0.5, Metal, 0.30	S	36.0		11.1	400 Btuh
7	2, SHGC=0.5, Metal, 0.30	S	20.0		11.1	222 Btuh
8	2, SHGC=0.5, Metal, 0.30	W	18.0		11.1	200 Btuh
9	2, SHGC=0.5, Metal, 0.30	W	16.0		11.1	178 Btuh
10	2, SHGC=0.5, Metal, 0.30	N	12.0		11.1	133 Btuh
11	2, SHGC=0.5, Metal, 0.30	N	36.0		11.1	400 Btuh
12	2, SHGC=0.5, Metal, 0.30	N	14.0		11.1	155 Btuh
13	2, SHGC=0.5, Metal, 0.30	N	10.0		11.1	111 Btuh
14	2, SHGC=0.5, Metal, 0.30	N	20.0		11.1	222 Btuh
15	2, SHGC=0.5, Metal, 0.30	N	15.0		11.1	166 Btuh
16	2, SHGC=0.5, Metal, 0.30	E	30.0		11.1	333 Btuh
Window Total			363(sqft)			4029 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.08)	18.0	1325		2.9	3859 Btuh
2	Frame - Wood - Adj(0.09)	13.0	281		3.3	923 Btuh
Wall Total			1606			4782 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Exterior		14		12.9	181 Btuh
3	Insulated - Exterior		31		12.9	401 Btuh
4	Insulated - Adjacent		18		12.9	233 Btuh
5	Insulated - Exterior		36		12.9	466 Btuh
Door Total			119			1541 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2950		1.2	3476 Btuh
Ceiling Total			2950			3476 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Raised Wood - Adj	19	275.0 sqft		1.9	510 Btuh
2	Slab On Grade	0	228.0 ft(p)		43.7	9954 Btuh
Floor Total			503			10465 Btuh
Zone Envelope Subtotal:						24293 Btuh
Infiltration	Type	ACH	Zone Volume		CFM=	Load
	Natural	0.80	22212		296.2	11996 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

10/9/2008

Zone #1	Sensible Zone Subtotal	36290 Btuh
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WHOLE HOUSE TOTALS

	Subtotal Sensible	36290 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36290 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)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

10/9/2008

Component Loads for Whole House

Window	Type*			Overhang		Window Area(sqft)			HTM		Load			
	Pn/SHGC/U/InSh/ExSh/IS	Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, SHGC=0.5, 0.30, None,N,N	S		1.5ft	6ft.	30.0	0.0	30.0	16	16	470	Btuh		
2	2, SHGC=0.5, 0.30, None,N,N	S		1.5ft	3ft.	8.0	0.0	8.0	16	16	125	Btuh		
3	2, SHGC=0.5, 0.30, None,N,N	S		9.41	9ft.	62.0	0.0	62.0	16	16	972	Btuh		
4	2, SHGC=0.5, 0.30, None,N,N	S		5.08	8ft.	18.0	0.0	18.0	16	16	282	Btuh		
5	2, SHGC=0.5, 0.30, None,N,N	SW		10ft.	8ft.	18.0	0.0	18.0	16	39	700	Btuh		
6	2, SHGC=0.5, 0.30, None,N,N	S		9.41	8ft.	36.0	0.0	36.0	16	16	564	Btuh		
7	2, SHGC=0.5, 0.30, None,N,N	S		9.41	9ft.	20.0	0.0	20.0	16	16	314	Btuh		
8	2, SHGC=0.5, 0.30, None,N,N	W		1.5ft	7ft.	18.0	0.7	17.3	16	53	934	Btuh		
9	2, SHGC=0.5, 0.30, None,N,N	W		1.5ft	5ft.	16.0	1.0	15.0	16	53	817	Btuh		
10	2, SHGC=0.5, 0.30, None,N,N	N		1.5ft	5ft.	12.0	12.0	0.0	16	19	188	Btuh		
11	2, SHGC=0.5, 0.30, None,N,N	N		1.5ft	8ft.	36.0	36.0	0.0	16	19	564	Btuh		
12	2, SHGC=0.5, 0.30, None,N,N	N		7ft.	9ft.	14.0	14.0	0.0	16	19	219	Btuh		
13	2, SHGC=0.5, 0.30, None,N,N	N		7ft.	2ft.	10.0	10.0	0.0	16	19	157	Btuh		
14	2, SHGC=0.5, 0.30, None,N,N	N		0ft.	0ft.	20.0	0.0	20.0	16	19	383	Btuh		
15	2, SHGC=0.5, 0.30, None,N,N	N		1.5ft	6ft.	15.0	15.0	0.0	16	19	235	Btuh		
16	2, SHGC=0.5, 0.30, None,N,N	E		1.5ft	6ft.	30.0	1.5	28.5	16	53	1547	Btuh		
	Window Total					363 (sqft)					8472 Btuh			
Walls	Type			R-Value/U-Value		Area(sqft)			HTM		Load			
1	Frame - Wood - Ext			18.0/0.08		1325.0			1.7		2243 Btuh			
2	Frame - Wood - Adj			13.0/0.09		281.0			1.5		424 Btuh			
	Wall Total					1606 (sqft)					2667 Btuh			
Doors	Type					Area (sqft)			HTM		Load			
1	Insulated - Exterior					20.0			9.8		196 Btuh			
2	Insulated - Exterior					14.0			9.8		137 Btuh			
3	Insulated - Exterior					31.0			9.8		304 Btuh			
4	Insulated - Adjacent					18.0			9.8		176 Btuh			
5	Insulated - Exterior					36.0			9.8		353 Btuh			
	Door Total					119 (sqft)					1166 Btuh			
Ceilings	Type/Color/Surface			R-Value		Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle			30.0		2950.0			1.7		4885 Btuh			
	Ceiling Total					2950 (sqft)					4885 Btuh			
Floors	Type			R-Value		Size			HTM		Load			
1	Raised Wood - Adj			19.0		275 (sqft)			0.6		165 Btuh			
2	Slab On Grade			0.0		228 (ft(p))			0.0		0 Btuh			
	Floor Total					503.0 (sqft)					165 Btuh			
	Zone Envelope Subtotal:										17355 Btuh			
Infiltration	Type			ACH		Volume(cuft)			CFM=		Load			
	SensibleNatural			0.50		22212			185.1		3445 Btuh			
Internal gain				Occupants		Btuh/occupant			Appliance		Load			
				8		X 230 +			2400		4240 Btuh			
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)										DGM = 0.00		0.0 Btuh	
	Sensible Zone Load										25040 Btuh			

Manual J Summer Calculations

Residential Load - Component Details (continued)

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

10/9/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25040 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25040 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25040 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6765 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8365 Btuh
	TOTAL GAIN	33405 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

10/9/2008

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.5, 0.30, None,N,N	S	1.5ft	6ft.	30.0	0.0	30.0	16	16	470	Btuh
2	2, SHGC=0.5, 0.30, None,N,N	S	1.5ft	3ft.	8.0	0.0	8.0	16	16	125	Btuh
3	2, SHGC=0.5, 0.30, None,N,N	S	9.41	9ft.	62.0	0.0	62.0	16	16	972	Btuh
4	2, SHGC=0.5, 0.30, None,N,N	S	5.08	8ft.	18.0	0.0	18.0	16	16	282	Btuh
5	2, SHGC=0.5, 0.30, None,N,N	SW	10ft.	8ft.	18.0	0.0	18.0	16	39	700	Btuh
6	2, SHGC=0.5, 0.30, None,N,N	S	9.41	8ft.	36.0	0.0	36.0	16	16	564	Btuh
7	2, SHGC=0.5, 0.30, None,N,N	S	9.41	9ft.	20.0	0.0	20.0	16	16	314	Btuh
8	2, SHGC=0.5, 0.30, None,N,N	W	1.5ft	7ft.	18.0	0.7	17.3	16	53	934	Btuh
9	2, SHGC=0.5, 0.30, None,N,N	W	1.5ft	5ft.	16.0	1.0	15.0	16	53	817	Btuh
10	2, SHGC=0.5, 0.30, None,N,N	N	1.5ft	5ft.	12.0	12.0	0.0	16	19	188	Btuh
11	2, SHGC=0.5, 0.30, None,N,N	N	1.5ft	8ft.	36.0	36.0	0.0	16	19	564	Btuh
12	2, SHGC=0.5, 0.30, None,N,N	N	7ft.	9ft.	14.0	14.0	0.0	16	19	219	Btuh
13	2, SHGC=0.5, 0.30, None,N,N	N	7ft.	2ft.	10.0	10.0	0.0	16	19	157	Btuh
14	2, SHGC=0.5, 0.30, None,N,N	N	0ft.	0ft.	20.0	0.0	20.0	16	19	383	Btuh
15	2, SHGC=0.5, 0.30, None,N,N	N	1.5ft	6ft.	15.0	15.0	0.0	16	19	235	Btuh
16	2, SHGC=0.5, 0.30, None,N,N	E	1.5ft	6ft.	30.0	1.5	28.5	16	53	1547	Btuh
	Window Total				363 (sqft)					8472 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		18.0/0.08		1325.0			1.7		2243 Btuh	
2	Frame - Wood - Adj		13.0/0.09		281.0			1.5		424 Btuh	
	Wall Total				1606 (sqft)					2667 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				20.0			9.8		196 Btuh	
2	Insulated - Exterior				14.0			9.8		137 Btuh	
3	Insulated - Exterior				31.0			9.8		304 Btuh	
4	Insulated - Adjacent				18.0			9.8		176 Btuh	
5	Insulated - Exterior				36.0			9.8		353 Btuh	
	Door Total				119 (sqft)					1166 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		2950.0			1.7		4885 Btuh	
	Ceiling Total				2950 (sqft)					4885 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Raised Wood - Adj		19.0		275 (sqft)			0.6		165 Btuh	
2	Slab On Grade		0.0		228 (ft(p))			0.0		0 Btuh	
	Floor Total				503.0 (sqft)					165 Btuh	
	Zone Envelope Subtotal:									17355 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.50		22212			185.1		3445 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			8		X 230 +			2400		4240 Btuh	
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									25040 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

10/9/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25040 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25040 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25040 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6765 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8365 Btuh
	TOTAL GAIN	33405 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

Stape, Matt & Kristy

Project Title:
809012aStape,Matt&Kristy

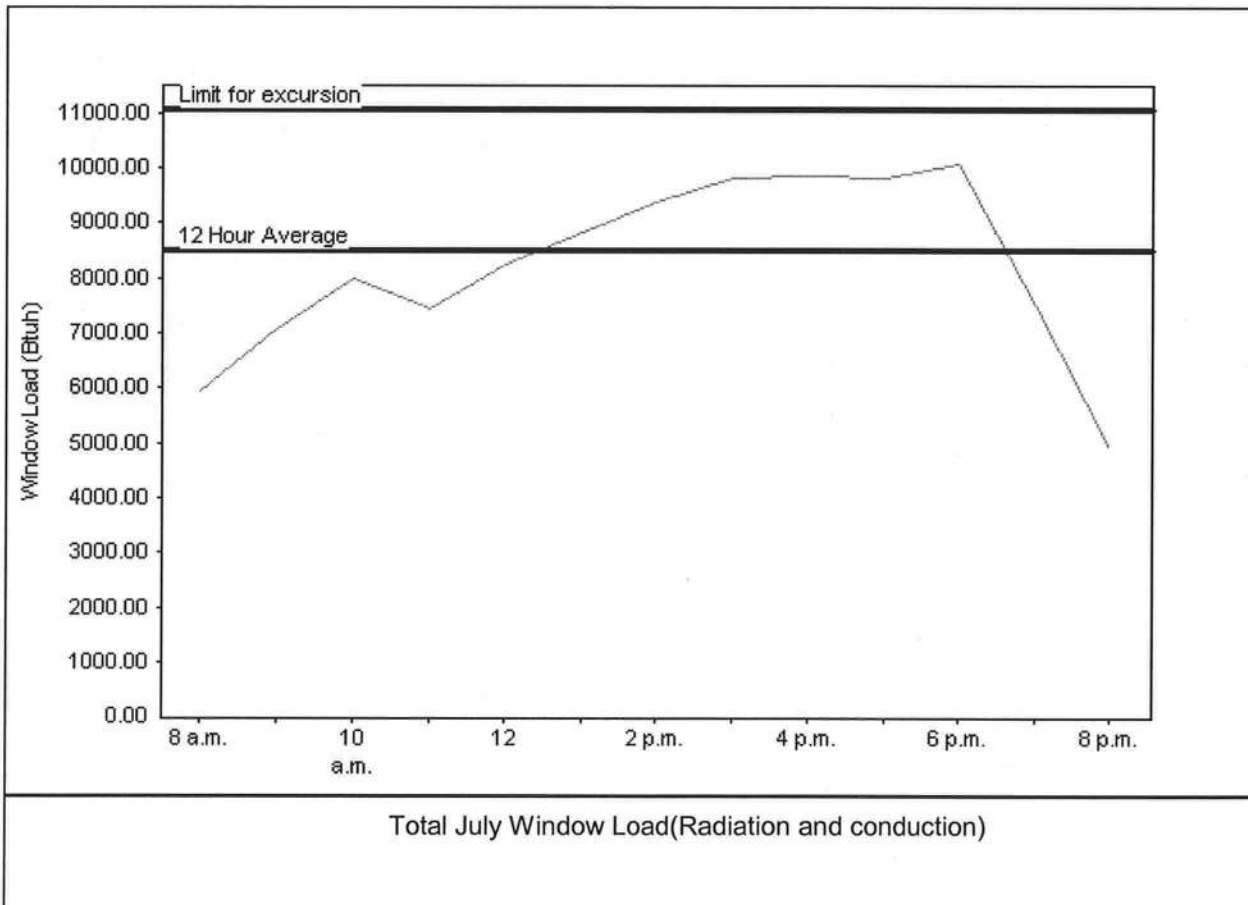
Class 3 Rating
Registration No. 0
Climate: North

10/9/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	8496 Btuh
Summer setpoint	75 F	Peak window load for July	10065 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	11045 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

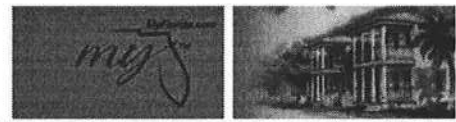
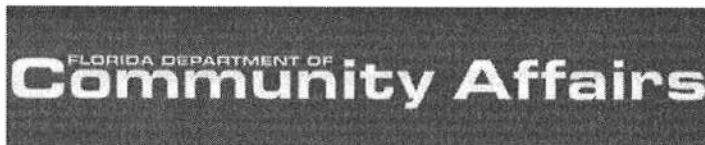
EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

DATE: 10/9/08 ERAN BEAMSLY

EnergyGauge® FLR2PB v4.1





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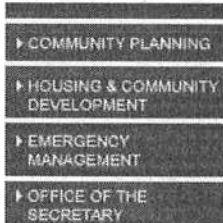
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Product Approval

USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**



FL #

FL7277-R1

Application Type

Revision

Code Version

2004

Application Status

Approved

Comments

Archived



Product Manufacturer

M W Manufacturers Inc.

Address/Phone/Email

433 North Main Street
Rocky Mount, VA 24151-0559
(800) 999-8400 Ext 6597
tarthur@mwwindows.com

Authorized Signature

Travis Arthur
tarthur@mwwindows.com

Technical Representative

Address/Phone/Email

Quality Assurance Representative

Address/Phone/Email

Category

Windows

Subcategory

Single Hung

Compliance Method

Certification Mark or Listing

Certification Agency

National Accreditation & Management Institute,

Validated By

Referenced Standard and Year (of Standard)

Standard

AAMA/WDMA/CSA 101/I.S.2/A440
ASTM E1300
ASTM E330

Year

2005
2002
2002

Equivalence of Product Standards
Certified By



Product Approval Method

Method 1 Option A

Date Submitted

01/16/2007

Date Validated

03/09/2007

Date Pending FBC Approval

01/25/2007

Date Approved

03/09/2007

Summary of Products

FL #	Model, Number or Name	Description
7277.1	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-60 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641G-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH_Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.2	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +15/-15 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH_Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.3	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641A-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH_Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.4	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641B-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH_Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.5	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641C-R1.pdf Quality Assurance Contract Expiration Date

Impact Resistant: No Design Pressure: +50/-60 Other:		Installation Instructions FL7277_R1_II_CLSH Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.6	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641H-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.7	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641D-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.8	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641E-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.9	Classic Single Hung	
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +45/-45 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006641F-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_CLSH Installation.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
7277.10	Classic Single Hung	Single Hung Twin
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +45/-45 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006866C-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_MW10004.pdf Verified By: Eric S. Nielsen P.E. No. 41323 Created by Independent Third Party:

		Evaluation Reports Created by Independent Third Party:
7277.11	Classic Single Hung	Transom over Single Hung
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +45/-45 Other:		Certification Agency Certificate FL7277_R1_C_CAC_NI006866A-R1.pdf Quality Assurance Contract Expiration Date Installation Instructions FL7277_R1_II_MW10004.pdf Verified By: Eric S. Nielsen P.E. No. 41323 Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:

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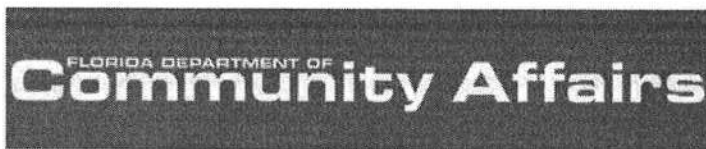
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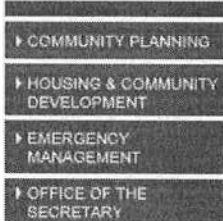
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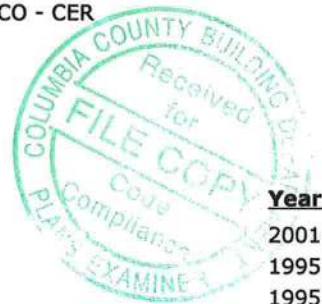
Product Approval

USER: Public User

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 Application Detail



FL #	FL728-R1								
Application Type	Revision								
Code Version	2004								
Application Status	Approved								
Comments									
Archived	<input type="checkbox"/>								
Product Manufacturer	Elk Corporation								
Address/Phone/Email	4600 Stillman Blvd. Tuscaloosa, AL 35401 (816) 350-1982 bryson.m@sbcglobal.net								
Authorized Signature	Daniel DeJarnette daniel.dejarnette@elkcorp.com								
Technical Representative	Daniel DeJarnette								
Address/Phone/Email	4600 Stillman Blvd Tuscaloosa, AL 35401 (205) 342-0298 daniel.dejarnette@elkcorp.com								
Quality Assurance Representative	Daniel DeJarnette								
Address/Phone/Email	4600 Stillman Blvd Tuscaloosa, AL 35401 (205) 342-0298 daniel.dejarnette@elkcorp.com								
Category	Roofing								
Subcategory	Asphalt Shingles								
Compliance Method	Certification Mark or Listing								
Certification Agency	Miami-Dade BCCO - CER								
Validated By									
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ASTM D3462</td> <td>2001</td> </tr> <tr> <td>TAS 107</td> <td>1995</td> </tr> <tr> <td>TAS100</td> <td>1995</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ASTM D3462	2001	TAS 107	1995	TAS100	1995
<u>Standard</u>	<u>Year</u>								
ASTM D3462	2001								
TAS 107	1995								
TAS100	1995								



Equivalence of Product Standards
Certified By

Sections from the Code

1523.6.5.1
1523.6.5.1
1523.6.5.1

Product Approval Method

Method 1 Option A

Date Submitted

06/01/2005

Date Validated

06/13/2005

Date Pending FBC Approval

06/14/2005

Date Approved

06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
728.1	Capstone	Laminated Asphalt Shingle
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Mean roof height should not exceed 33 ft.		Certification Agency Certificate Quality Assurance Contract Expiration Date Installation Instructions PTID 728 R1 I Capstone Metro Dade NOA.pdf PTID 728 R1 I CapstoneSpecSh1t.pdf PTID 728 R1 I Prestique 1 Metro Dade NOA.pdf PTID 728 R1 I Prestique Plus and Gallery NOA.pdf PTID 728 R1 I Seal-A-Ridge Metro-Dade NOA.pdf PTID 728 R1 I Starter Strip Metro-Dade NOA.pdf PTID 728 R1 I Tuscaloosa Spec Sheet.pdf Verified By: Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
728.2	Prestique I	Laminated Asphalt Shingle
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Mean roof height should not exceed 33 ft.		Certification Agency Certificate Quality Assurance Contract Expiration Date Installation Instructions Verified By: Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
728.3	Prestique Plus / Gallery Colle	Laminated Asphalt Shingle
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Mean roof height should not exceed 33 ft.		Certification Agency Certificate Quality Assurance Contract Expiration Date Installation Instructions Verified By: Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
728.4	Seal-A-Ridge "SAR"	Accessory - Ridge Shingle
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/-		Certification Agency Certificate Quality Assurance Contract Expiration Date Installation Instructions Verified By:

Other: Mean roof height should not exceed 33 ft.		Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
728.5	Starter Strip	Accessory - Starter Course
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Mean roof height should not exceed 33 ft.		Certification Agency Certificate Quality Assurance Contract Expiration Date Installation Instructions Verified By: Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:

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Product Approval Accepts:





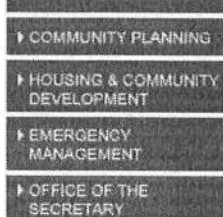
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FL #	FL889-R3				
Application Type	Revision				
Code Version	2004				
Application Status	Approved				
Comments					
Archived	<input type="checkbox"/>				
Product Manufacturer Address/Phone/Email	James Hardie Building Products, Inc. 10901 Elm Avenue Fontana, CA 92337 (909) 356-6366 chad.diercks@jameshardie.com				
Authorized Signature	Chad Diercks chad.diercks@jameshardie.com				
Technical Representative Address/Phone/Email	Chad Diercks 10901 Elm Ave Fontana, CA 92337 (909) 356-6366 chad.diercks@jameshardie.com				
Quality Assurance Representative Address/Phone/Email					
Category	Panel Walls				
Subcategory	Siding				
Compliance Method	Evaluation Report from a Product Evaluation Entity				
Evaluation Entity	ICC Evaluation Service, Inc.				
Quality Assurance Entity	Intertek Testing Services NA Inc. - ETL/Warnock Hersey				
Quality Assurance Contract Expiration Date					
Validated By	Ronald Ogawa, P.E. <input type="checkbox"/> Validation Checklist - Hardcopy Received				
Certificate of Independence	FL889_R3_COI_Florida_Certification - ICC-ES Certificate of Independ.pdf				
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th>Standard</th><th>Year</th></tr> </thead> <tbody> <tr> <td>ASTM C1186</td><td>1999</td></tr> </tbody> </table>	Standard	Year	ASTM C1186	1999
Standard	Year				
ASTM C1186	1999				

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option C

Date Submitted

10/26/2007

Date Validated

12/02/2007

Date Pending FBC Approval

12/02/2007

Date Approved

12/11/2007

Summary of Products

FL #	Model, Number or Name	Description
889.1	Cempanel Siding	fiber-cement cladding
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: For use in HVHZ install in accordance with NOA 07-0418.04; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_Miami-Dade County Florida Panel Instructions.pdf FL889_R3_II_ner-405 ICC-ES.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL889_R3_AE_Miami-Dade County Florida NOA 07-041804.pdf FL889_R3_AE_ner-405 ICC-ES.pdf
889.2	Cemplank Lap Siding	fiber-cement cladding
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: For use in HVHZ install in accordance with NOA 07-0418.04; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_Miami-Dade County Florida Plank Instructions.pdf FL889_R3_II_ner-405 ICC-ES.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL889_R3_AE_Miami-Dade County Florida NOA 07-041804.pdf FL889_R3_AE_ner-405 ICC-ES.pdf
889.3	Cemsoffit panel	fiber-cement cladding
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: For use in HVHZ install in accordance with NOA 07-0418.04; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_Miami-Dade County Florida Soffit Instructions.pdf FL889_R3_II_ner-405 ICC-ES.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL889_R3_AE_Miami-Dade County Florida NOA 07-041804.pdf FL889_R3_AE_ner-405 ICC-ES.pdf
889.4	HardiePanel siding	fiber-cement cladding
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: For use in HVHZ install in accordance with NOA 07-0418.04; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_Miami-Dade County Florida Panel Instructions.pdf FL889_R3_II_ner-405 ICC-ES.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL889_R3_AE_Miami-Dade County Florida NOA 07-041804.pdf FL889_R3_AE_ner-405 ICC-ES.pdf
889.5	HardiePlank Lap Siding	fiber-cement cladding

Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: For use in HVHZ install in accordance with NOA 07-0418.04; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_Miami-Dade County Florida Plank Instructions.pdf FL889_R3_II_ner-405 ICC-ES.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL889_R3_AE_Miami-Dade County Florida NOA 07-041804.pdf FL889_R3_AE_ner-405 ICC-ES.pdf
889.6	HardieShingle Individual Cladding Shingles	fiber-cement cladding
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Not for use in HVHZ; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_ner-405 ICC-ES.pdf Verified By: ICC Evaluation Service, Inc. Created by Independent Third Party: Evaluation Reports FL889_R3_AE_ner-405 ICC-ES.pdf
889.7	HardieShingle Panel	fiber-cement cladding
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Not for use in HVHZ; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_ner-405 ICC-ES.pdf Verified By: ICC Evaluation Service, Inc. Created by Independent Third Party: Evaluation Reports FL889_R3_AE_ner-405 ICC-ES.pdf
889.8	HardieSoffit Panel	fiber-cement cladding
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: For use in HVHZ install in accordance with NOA 07-0418.04; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_Miami-Dade County Florida Soffit Instructions.pdf FL889_R3_II_ner-405 ICC-ES.pdf Verified By: Miami-Dade BCCO - EVL Created by Independent Third Party: Evaluation Reports FL889_R3_AE_Miami-Dade County Florida NOA 07-041804.pdf FL889_R3_AE_ner-405 ICC-ES.pdf
889.9	Harditex baseboard	fiber-cement cladding
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Not for use in HVHZ; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_ner-405 ICC-ES.pdf Verified By: ICC Evaluation Service, Inc. Created by Independent Third Party: Evaluation Reports FL889_R3_AE_ner-405 ICC-ES.pdf
889.10	Sentry lap sidig	fiber-cement cladding
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Not for use in HVHZ; For use outside HVHZ install in accordance with ICC-ES NER-405.		Installation Instructions FL889_R3_II_ner-405 ICC-ES.pdf Verified By: ICC Evaluation Service, Inc. Created by Independent Third Party: Evaluation Reports FL889_R3_AE_ner-405 ICC-ES.pdf

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Product Approval Accepts:



PRODUCT APPROVAL SPECIFICATION SHEET

Location: 128 SW Kimberly Lane ^{Lake City FL 32024} **Project Name:** Stape Residence

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.floridapba.com

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	MW Manufacturers Inc.		FL 7277-R1
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding (Hardy)	James Hardy Building Products		FL 889-R3
2. Soffits			
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	EIK Corporation		FL 728-R1
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			



**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 specifically 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.

Mark Disosway, P.E.

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

27424

April 9, 2009

Building Department
Columbia County
35 N. Hernando St.
Lake City, FL 32056-1529

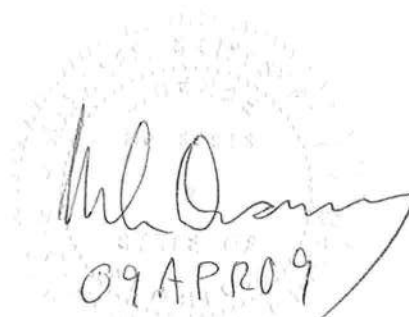
Re: Framing Inspection: Matt & Kristy Stape Residence, Columbia County, Florida

Dear Building Inspector:

This letter is in reference to framing inspection issues at the above referenced house.

- The plan calls for 3 jack studs and 3 kings at each side of the garage door, but the framer installed (4) 2X6 jacks and (1) 2X6 king.
 - An additional King must be installed at the right side of the opening (side away from corner)
 - Because there is no room at the corner to add another king, the single king can be braced by the opposite wall. Attach the single king stud to the framing of the opposite wall with (6) Simpson A34 w/ 8-8dx1 1/2" spaced evenly over the length of the king stud.

Mark Disosway, PE
Florida Registered Professional Engineer



Mark Disosway

Florida P.E. No.53915



**Columbia County, Florida
Building & Zoning Department**

Number of pages including cover sheet 2

Date 1-8-14

To:

Mark

Phone: _____

Fax: 386-496-3147

From:

Laurie

Phone: 386-758-1008

Fax: 386-758-2160

Remarks: ☐ Urgent ☐ For review ☐ ASAP ☐ Please comment

Confidentiality Notice: This facsimile transmission is confidential and is intended only for the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 16-4S-16-03026-101

Building permit No. 000027424

Use Classification SFD/UTILITY

Fire: 23.17

Permit Holder MATTHEW STAPE

Waste: 0.00

Owner of Building MATTHEW & KRISTY STAPE

Total: 23.17

Location: 128 SW KIMBERLY LANE, LAKE CITY, FL

Date: 09/09/2009



Wayne H. Ruess

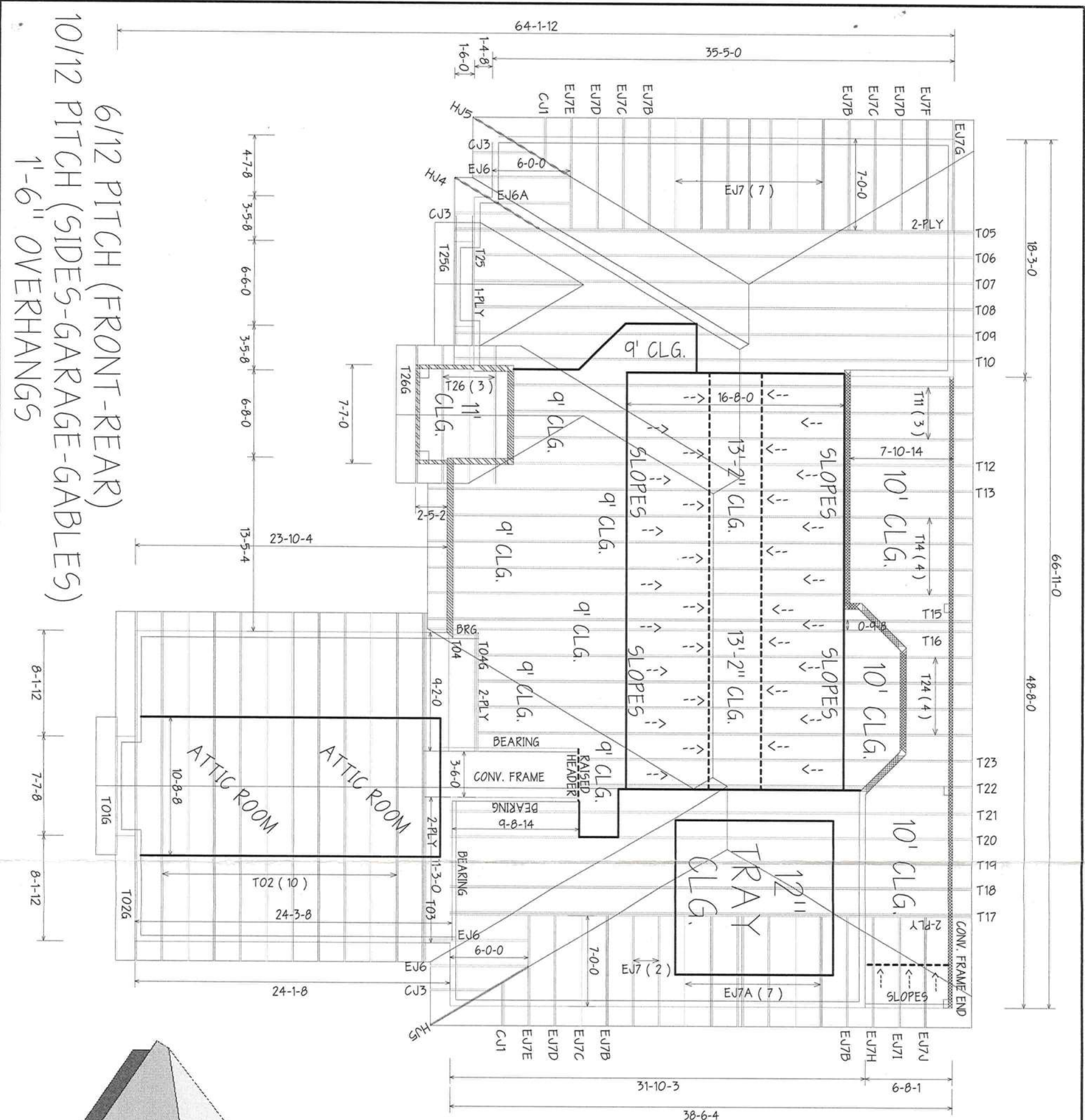
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

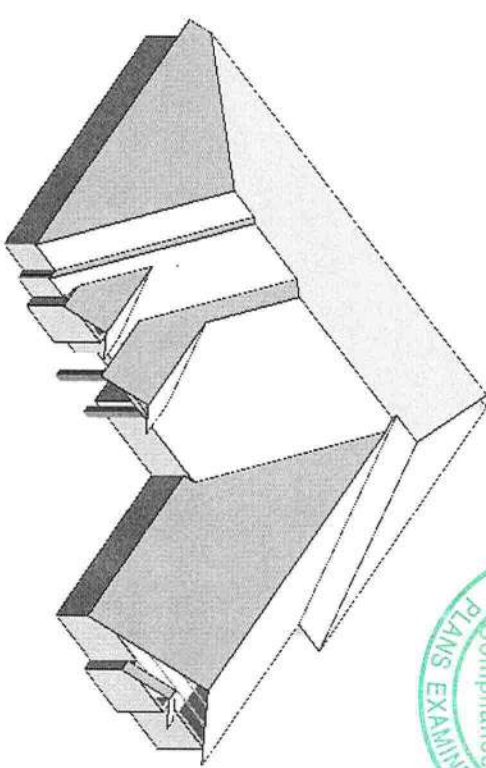


SEES-1 For Sol

1 OF 1



6/12 PITCH (FRONT-REAR)
10/12 PITCH (SIDES-GARAGE-GABLES)
1'-6" OVERHANGS



SOME CEILINGS
TO BE FRAMED DOWN
AND IN BY BUILDER
SEE ENGINEERING FOR
TRUSS DESIGNS

NOTE BEARING ADDED
IN GARAGE AREAS

BEARING HEIGHT SCHEDULE

	8'-1 1/8"
	9'-1 1/8"
	10'-1 1/8"
	11'-1 1/8"

HANGER SCHEDULE
11 - HTU26

NOTES:

- 1) REFER TO HB 91 RECOMMENDATIONS FOR HANDING INSTALLATION AND TEMPORARY BRACING. REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V05 FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2" O.C. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) 5/8" TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON TH44Z UNLESS OTHERWISE NOTED.
- 8) BEARING ADDED IN (OR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SCALE SOURCE FOR FABRICATION OF TRUSSES AND JOISTS. ALL PERIODS, ARCHITECTURAL, OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Expend Every Size _____

Approved By _____ Date _____



PHONE: 904-437-3349 FAX: 904-437-3494

PHONE: 904-437-3349 FAX: 904-437-3494

PHONE: 904-772-6100 FAX: 904-772-1973

PHONE: 386-795-6894 FAX: 386-795-7973

PHONE: 407-322-0094 FAX: 407-322-5953

BUILDER CASH ACCT.

STAPE RES.

MODEL: CUSTOM

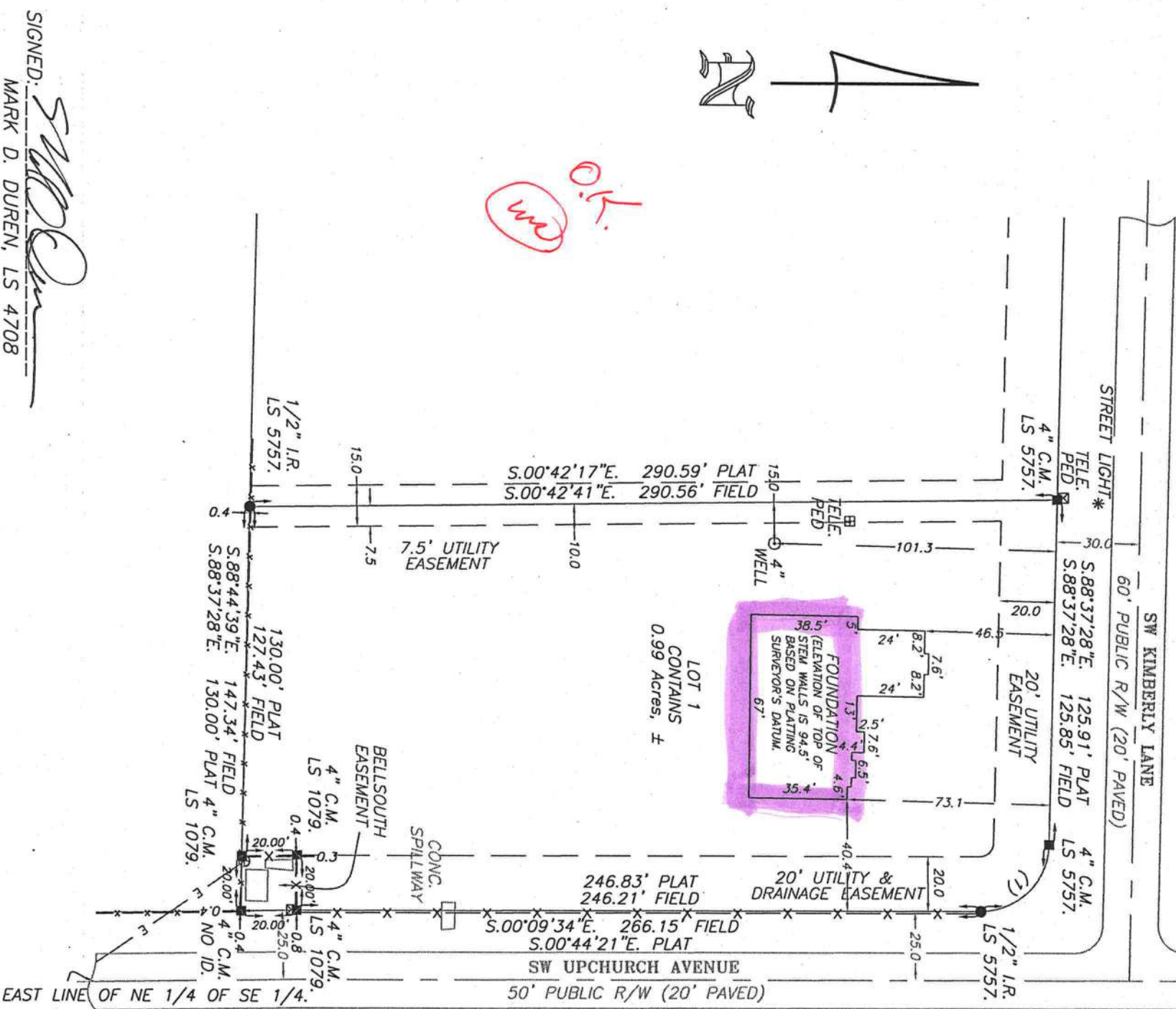
DATE: 9-8-08

BY: K.L.H. L287710

27424

DESCRIPTION:
LOT 1 "KIMBERLY OAKS SUBDIVISION", ACCORDING TO
THE PLAT THEREOF AS RECORDED IN PLAT BOOK 7,
PAGES 198-199, OF THE PUBLIC RECORDS OF
COLUMBIA COUNTY, FLORIDA.

BOUNDARY SURVEY
IN SECTION 16,
TOWNSHIP 4 SOUTH,
RANGE 16 EAST.
COLUMBIA COUNTY, FLA.



Curve number 1 FIELD
Radius= 25.00'
Delta= 87°39'19"
Arc= 38.25'
Tangent= 24.00'
Chord= 34.62'
Chord Brg.= S.44°43'32"E.

Curve number 1 PLAT
Radius= 25.00'
Delta= 87°51'54"
Arc= 38.34'
Tangent= 24.09'
Chord= 34.69'
Chord Brg.= S.44°41'31"E.

10. CERTIFIED TO:
WIND TECH CONTRACTING
CHRIS COX

EXTRA ABBREVIATION:
(F) FIELD, AS IN "FIELD MEASUREMENT"
(D) DEED, AS IN "DEED DIMENSION"
(P) PLAT, AS IN "PLAT DIMENSION"
(R) RECORD, AS IN "RECORD DIMENSION".

SYMBOL LEGEND
O.R.I. OFFICIAL RECORD INSTRUMENT
CONCRETE MONUMENT FOUND
IRON PIN OR PIPE FOUND
5/8" IRON ROD SET, LS 4708
WIRE FENCE
ELECTRIC UTILITY LINE (OVERHEAD)
UNDERGROUND ELECTRIC SERVICE
CABLE TV LINE (OVERHEAD)
CHAIN LINK FENCE
WOODEN FENCE
CORRUGATED METAL PIPE
RCP REINFORCED CONCRETE PIPE
LS LAND SURVEYOR
LB LICENSED BUSINESS
ORB OFFICIAL RECORD BOOK
PRM PERMANENT REFERENCE MONUMENT
PCP PERMANENT CONTROL POINT
UTILITY POLE
RIGHT-OF-WAY
NO ID. NO IDENTIFICATION
FLA. DEPT. OF TRANSPORTATION
C.M. CENTERLINE
CONCRETE MONUMENT
IRON ROD
IRON PIPE



MARK D. DUREN AND
ASSOCIATES, INC.
LB 7620
120 NW BURK AVE. STE. 103
LAKE CITY, FLA. 32055
(386) 758-9831 OFFICE
(386) 758-8010 FAX
FIELD SURVEY DATE: NOVEMBER 4, 2008
DATE DRAWN: NOVEMBER 4, 2008
FOR: WIND TECH CONTRACTING
FIELD BOOK: 189 PAGE: 61
DRAWN BY: M. DUREN/A. DIAL
WO# 08-468

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Bay Ave

City LAKE CITY

Phone 752-1703

Site Location: Subdivision Kimberly Oaks

Lot # 1 **Block#**

Permit # 27424

Address 128 SW Kimberly Lane

Product used

Active Ingredient

% Concentration

☐ Premise

Imidacloprid

0.1%

☒ Termidor

Fipronil

0.12%

☐ Bora-Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

DW/Garage/Back Porch
FRONT Porch

3158

274

300

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

11-5-08

Date

7:00/1330

Time

GUNNY #254

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©