

Columbia County Building Permit Application

For Office Use Only Application # 0709-166 Date Received 9/24/07 By [Signature] Permit # 26297

Application Approved by - Zoning Official BLK Date 28 07 07 Plans Examiner OK JTH Date 9-28-07

Flood Zone Xp Plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dev.

Comments Finish Floor Elevation to be 1 foot above Rd.

NOC [checked] EH [ ] Deed or PA [ ] Site Plan [ ] State Road Info [ ] Parent Parcel # [ ] Development Permi [ ] Fax 386-752-4904

Name Authorized Person Signing Permit KIMMY EDGLEY Phone 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

Owners Name BRADFORD & REBECCA ZOELLER Phone 386-752-0580

911 Address 202 SW CHALLENGER LANE, LAKE CITY FL 32025

Contractors Name EDGLEY CONSTRUCTION COMPANY Phone 386-752-0580

Address 590 SW ARLINGTON BLVD SUITE 113 LAKE CITY FL 32025

Fee Simple Owner Name & Address

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address MARK DISOSWAY P.E., P.O. BOX 868, LAKE CITY FL 32056

Mortgage Lenders Name & Address FFSB, P.O. BOX 2029 LAKE CITY FL 32056

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

Property ID Number 07-4S-17-08106-110 116 Estimated Cost of Construction 250,000.00

Subdivision Name COUNTRY LANDINGS Lot 16 Block Unit Phase

Driving Directions SR 47 SOUTH, TL ON MARVIN BURNETT, TL ON DEANNA, TR ON BAMBI, TL ON WINGS, TR ON CHALLENGER, LOT ON LEFT

Type of Construction RESEDENTIAL HOME Number of Existing Dwellings on Property N/A

Total Acreage .50 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Dr

Actual Distance of Structure from Property Lines - Front 27' Side 25'6" Side 11'6" Rear 127.15"

Total Building Height 21'6" Number of Stories 1 Heated Floor Area 1324 TOTAL 2,265 Roof Pitch 6/12

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

OWNERS AFFIDAVIT: 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.

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

[Signature] Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 19th day of SEPT 2007.

Personally known [checked] or Produced Identification

[Signature] Contractor Signature Contractors License Number RR282811326 Competency Card Number 5878 NOTARY STAMP/SEAL

[Signature] Notary Signature JAN CLARK MY COMMISSION # DD 634948 EXPIRES: March 28, 2011 Bonded Thru Budget Notary Services

(Revised Sept. 2007)

[Handwritten notes: P. 7EE 3086, Tw called bsmm 9.28.07]

This Instrument Prepared by & return to:  
Name: Brenda Styons, an employee of  
TITLE OFFICES, LLC  
Address: 343 NW COLE TERRACE, SUITE 105  
LAKE CITY, FLORIDA 32055  
File No. 07Y-03055BBS

Inst:2007010148 Date:05/07/2007 Time:14:17  
Doc Stamp-Deed : 665.00  
D. P. DC, P. Dewitt Cason, Columbia County B:1118 P:1174

Parcel I.D. #: 08106-116

SPACE ABOVE THIS LINE FOR PROCESSING DATA

**THIS WARRANTY DEED** Made the 1<sup>st</sup> day of May, A.D. 2007, by

**GEORGE J. OLIVER,** hereinafter called the grantor, to  
**BRADFORD ZOELLER and REBECCA A. ZOELLER,** as trustees of the **BRADFORD ZOELLER AND REBECCA A. ZOELLER JOINT REVOCABLE TRUST** u/a/d August 3, 2006, WITH FULL POWER AND AUTHORITY TO PROTECT, CONSERVE, SELL, LEASE, ENCUMBER, OR OTHERWISE MANAGE AND DISPOSE OF THE REAL PROPERTY, whose post office address is 1610 S HERMITAGE ROAD, FT MYERS, FL 33919, hereinafter called the grantees:

(Wherever used herein the terms "grantor" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of Florida, viz:

Lot 16, COUNTRY LANDINGS, according to the map or plat thereof as recorded in Plat Book 6, Page 90, of the Public Records of Columbia County, Florida.

The above described property is not the homestead property of the grantor.

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 grantees that he is lawfully seized of said land in fee simple; that he has good right and lawful authority to sell and convey said land, and 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 the presence of:

  
Witness Signature Martha Bryan

Printed Name

  
Witness Signature Regina Simpkins

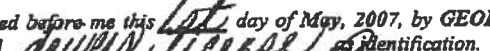
Printed Name

  
L.S.  
GEORGE J. OLIVER

Address:

11271 SOUTHLINGTON PL, JACKSONVILLE, FL  
32257

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 1<sup>st</sup> day of May, 2007, by GEORGE J. OLIVER, who is known to me or who has produced  as identification.

  
Notary Public  
My commission expires \_\_\_\_\_



Martha Bryan  
Commission # DD232584  
Expires August 10, 2007  
Successor 1700 Poinciana Insurance, Inc. 889-855-1812

@ CAM112M01 S CamaUSA Appraisal System  
9/28/2007 14:15 Legal Description Maintenance  
Year T Property Sel  
2007 R 07-4S-17-08106-116 ...

Columbia County  
57000 Land 001 \*  
AG 000  
Bldg 000  
Xfea 000

ZOELLER BRADFORD &

57000 TOTAL B\*

1	LOT 16 COUNTRY LANDINGS S/D.	ORB 820-229, 936-1026,936-1028	2
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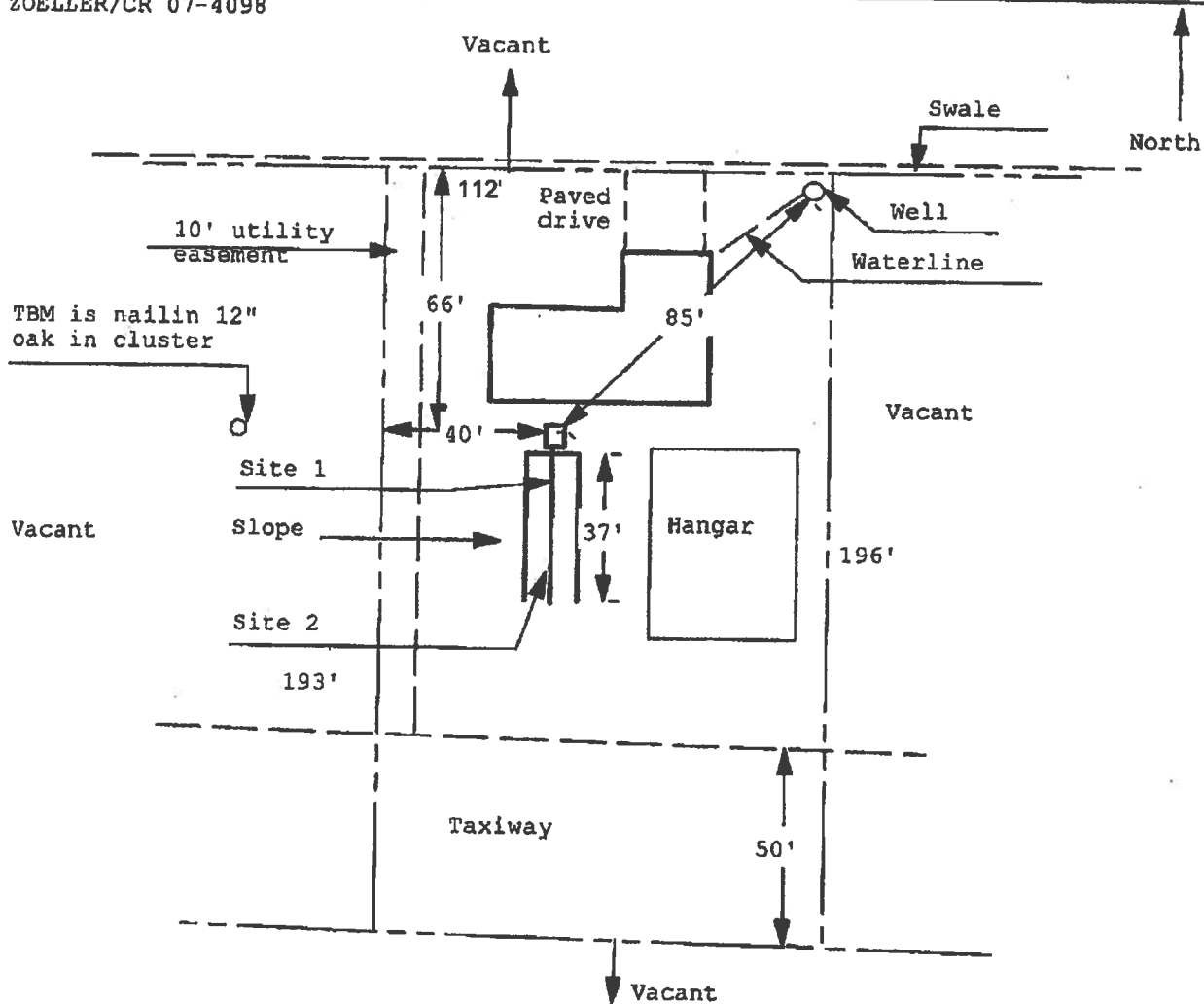
Mnt 5/21/2007 CHUCK

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

**Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan**  
**Permit Application Number: 07-0744**

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**

ZOELLER/CR 07-4098



1 inch = 40 feet

Site Plan Submitted By Paul Lopez Date 9/20/07  
 Plan Approved  Not Approved  Date 9/21/07  
 By M J H Columbin CPHU

Notes: \_\_\_\_\_

# HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL  
OWNERS

PHONE (904) 752-1854  
FAX (904) 755-7022  
~~1723 NORTH FIRST STREET~~  
LAKE CITY, FLORIDA 32055  
904 NW Main Blvd.

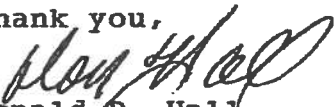
June 12, 2002

## NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

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

Thank you,

  
Donald D. Hall  
DDH/jk

# 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: 8/28/2007 DATE ISSUED: 8/29/2007

### ENHANCED 9-1-1 ADDRESS:

202 SW CHALLENGER LN

LAKE CITY FL 32025

### PROPERTY APPRAISER PARCEL NUMBER:

07-4S-17-08106-116

### Remarks:

LOT 16 COUNTRY LANDINGS S/D

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

Approved Address

AUG 29 2007

911Addressing/GIS Dept

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

<b>Project Name:</b> 705314ZoellerRes.(house) <b>Address:</b> Lot: , Sub: Cannon Creek AP, Plat: <b>City, State:</b> Lake City, FL <b>Owner:</b> Brad & Becky Zoeller <b>Climate Zone:</b> North	<b>Builder:</b> <b>Permitting Office:</b> Columbia <b>Permit Number:</b> 26297 <b>Jurisdiction Number:</b> 221000
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(CF-Ceiling fan, CV-Cross ventilation,			—																																																																																																																																																																																																										
HF-Whole house fan,			—																																																																																																																																																																																																										
PT-Programmable Thermostat,			—																																																																																																																																																																																																										
MZ-C-Multizone cooling,			—																																																																																																																																																																																																										
MZ-H-Multizone heating)			—																																																																																																																																																																																																										

Glass/Floor Area: 0.16	Total as-built points: 19907	PASS
	Total base points: 20256	

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

**PREPARED BY:** [Signature]


**DATE:** 8/7/07

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:** \_\_\_\_\_

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.  
EnergyGauge® (Version: FLR2PB v4.1)

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Cannon Creek AP, Plat: , Lake City, FL, PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1324.0	20.04	4775.9	Double, Clear	N	0.0	0.0	16.0	19.20	1.00	307.2
				Double, Clear	E	99.0	9.0	10.0	42.06	0.36	150.1
				Double, Clear	N	21.5	9.0	20.0	19.20	0.61	233.2
				Double, Clear	W	99.0	9.0	20.0	38.52	0.37	288.6
				Double, Clear	N	0.0	0.0	9.0	19.20	1.00	172.8
				Double, Clear	E	1.5	7.0	60.0	42.06	0.94	2368.2
				Double, Clear	S	8.5	8.0	60.0	35.87	0.51	1101.1
				Double, Clear	NE	99.0	8.0	15.0	29.56	0.44	195.4
				<b>As-Built Total:</b>				<b>210.0</b>			<b>4816.6</b>
<b>WALL TYPES</b>				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Adjacent	205.0	0.70	143.5	Frame, Wood, Exterior		13.0	1322.0	1.50		1983.0	
Exterior	1322.0	1.70	2247.4	Frame, Wood, Adjacent		13.0	205.0	0.60		123.0	
<b>Base Total:</b>				<b>1527.0</b>		<b>1527.0</b>		<b>2106.0</b>			
<b>DOOR TYPES</b>				Area X BSPM = Points		Type	Area X SPM = Points				
Adjacent	20.0	1.60	32.0	Exterior Insulated		50.0		4.10		205.0	
Exterior	70.0	4.10	287.0	Exterior Insulated		20.0		4.10		82.0	
				Adjacent Insulated		20.0		1.60		32.0	
<b>Base Total:</b>				<b>90.0</b>		<b>90.0</b>		<b>319.0</b>			
<b>CEILING TYPES</b>				Area X BSPM = Points		Type	R-Value	Area X SPM X SCM = Points			
Under Attic	1324.0	1.73	2290.5	Under Attic		30.0	1324.0	1.73 X 1.00		2290.5	
<b>Base Total:</b>				<b>1324.0</b>		<b>1324.0</b>		<b>2290.5</b>			
<b>FLOOR TYPES</b>				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Slab	203.0(p)	-37.0	-7511.0	Slab-On-Grade Edge Insulation		0.0	203.0(p)	-41.20		-8363.6	
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>-7511.0</b>		<b>203.0</b>		<b>-8363.6</b>			
<b>INFILTRATION</b>				Area X BSPM = Points				Area X SPM = Points			
				1324.0 10.21 13518.0				1324.0 10.21 13518.0			

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Cannon Creek AP, Plat: , Lake City, FL, PERMIT #:

BASE	AS-BUILT
<b>Summer Base Points: 15783.4</b>	<b>Summer As-Built Points: 14686.5</b>
Total Summer X System = Cooling Points Multiplier Points	Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points <small>(System - Points) (DM x DSM x AHU)</small>
<b>15783.4      0.4266      6733.2</b>	<small>(sys 1: Central Unit 33000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)</small> 14687      1.00      (1.09 x 1.147 x 1.00)      0.263      1.000      4820.6 <b>14686.5      1.00      1.250      0.263      1.000      4820.6</b>

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Cannon Creek AP, Plat: , Lake City, FL, PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1324.0	12.74	3036.2	Double, Clear	N	0.0	0.0	16.0	24.58	1.00	393.2
				Double, Clear	E	99.0	9.0	10.0	18.79	1.51	283.2
				Double, Clear	N	21.5	9.0	20.0	24.58	1.03	504.5
				Double, Clear	W	99.0	9.0	20.0	20.73	1.24	513.1
				Double, Clear	N	0.0	0.0	9.0	24.58	1.00	221.2
				Double, Clear	E	1.5	7.0	60.0	18.79	1.03	1157.5
				Double, Clear	S	8.5	8.0	60.0	13.30	2.83	2260.6
				Double, Clear	NE	99.0	8.0	15.0	23.57	1.06	375.2
				<b>As-Built Total:</b>				<b>210.0</b>			<b>5708.5</b>
<b>WALL TYPES</b>				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	205.0	3.60	738.0	Frame, Wood, Exterior			13.0	1322.0	3.40	4494.8	
Exterior	1322.0	3.70	4891.4	Frame, Wood, Adjacent			13.0	205.0	3.30	676.5	
<b>Base Total:</b>				<b>1527.0</b>		<b>1527.0</b>		<b>5171.3</b>			
<b>DOOR TYPES</b>				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	20.0	8.00	160.0	Exterior Insulated				50.0	8.40	420.0	
Exterior	70.0	8.40	588.0	Exterior Insulated				20.0	8.40	168.0	
				Adjacent Insulated				20.0	8.00	160.0	
<b>Base Total:</b>				<b>90.0</b>		<b>90.0</b>		<b>748.0</b>			
<b>CEILING TYPES</b>				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points			
Under Attic	1324.0	2.05	2714.2	Under Attic			30.0	1324.0	2.05 X 1.00	2714.2	
<b>Base Total:</b>				<b>1324.0</b>		<b>1324.0</b>		<b>2714.2</b>			
<b>FLOOR TYPES</b>				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	203.0(p)	8.9	1806.7	Slab-On-Grade Edge Insulation			0.0	203.0(p)	18.80	3816.4	
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>1806.7</b>		<b>203.0</b>		<b>3816.4</b>			
<b>INFILTRATION</b>				Area X BWPM = Points				Area X WPM = Points			
				1324.0		-0.59		-781.2			
						1324.0		-0.59			
								-781.2			

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Cannon Creek AP, Plat: , Lake City, FL, PERMIT #:

BASE			AS-BUILT					
<b>Winter Base Points: 13153.3</b>			<b>Winter As-Built Points: 17377.2</b>					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
<b>13153.3</b>	<b>0.6274</b>	<b>8252.4</b>	(sys 1: Electric Heat Pump 33000 btuh , EFF(7.5) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			17377.2	1.000	(1.069 x 1.169 x 1.00)	0.455	1.000	9873.4
			<b>17377.2</b>	<b>1.00</b>	<b>1.250</b>	<b>0.455</b>	<b>1.000</b>	<b>9873.4</b>

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Cannon Creek AP, Plat: , Lake City, FL, PERMIT #:

BASE				AS-BUILT							
<b>WATER HEATING</b>											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	X Multiplier	X Credit	= Total Multiplier
2		2635.00	5270.0	40.0	0.93	2		1.00	2606.67	1.00	5213.3
<b>As-Built Total:</b>											<b>5213.3</b>

CODE COMPLIANCE STATUS											
BASE					AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
<b>6733</b>		<b>8252</b>		<b>5270</b>	<b>20256</b>	<b>4821</b>		<b>9873</b>		<b>5213</b>	<b>19907</b>

PASS



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Cannon Creek AP, 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\* = 83.5**

**The higher the score, the more efficient the home.**

Brad & Becky Zoeller, Lot: , Sub: Cannon Creek AP, Plat: , Lake City, FL,

<p>1. New construction or existing <span style="float: right;">New <input type="checkbox"/></span></p> <p>2. Single family or multi-family <span style="float: right;">Single family <input type="checkbox"/></span></p> <p>3. Number of units, if multi-family <span style="float: right;">1 <input type="checkbox"/></span></p> <p>4. Number of Bedrooms <span style="float: right;">2 <input type="checkbox"/></span></p> <p>5. Is this a worst case? <span style="float: right;">Yes <input type="checkbox"/></span></p> <p>6. Conditioned floor area (ft<sup>2</sup>) <span style="float: right;">1324 ft<sup>2</sup> <input type="checkbox"/></span></p> <p>7. Glass type<sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)</p> <p style="margin-left: 20px;">a. U-factor: <span style="float: right;">Description Area</span></p> <p style="margin-left: 40px;">(or Single or Double DEFAULT) 7a. (Dble Default) 210.0 ft<sup>2</sup> <input type="checkbox"/></p> <p style="margin-left: 20px;">b. SHGC:</p> <p style="margin-left: 40px;">(or Clear or Tint DEFAULT) 7b. (Clear) 210.0 ft<sup>2</sup> <input type="checkbox"/></p> <p>8. Floor types</p> <p style="margin-left: 20px;">a. Slab-On-Grade Edge Insulation <span style="float: right;">R=0.0, 203.0(p) ft <input type="checkbox"/></span></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>9. Wall types</p> <p style="margin-left: 20px;">a. Frame, Wood, Exterior <span style="float: right;">R=13.0, 1322.0 ft<sup>2</sup> <input type="checkbox"/></span></p> <p style="margin-left: 20px;">b. Frame, Wood, Adjacent <span style="float: right;">R=13.0, 205.0 ft<sup>2</sup> <input type="checkbox"/></span></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">d. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">e. N/A <input type="checkbox"/></p> <p>10. Ceiling types</p> <p style="margin-left: 20px;">a. Under Attic <span style="float: right;">R=30.0, 1324.0 ft<sup>2</sup> <input type="checkbox"/></span></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>11. Ducts</p> <p style="margin-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Garage <span style="float: right;">Sup. R=6.0, 130.0 ft <input type="checkbox"/></span></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p>	<p>12. Cooling systems</p> <p style="margin-left: 20px;">a. Central Unit <span style="float: right;">Cap: 33.0 kBtu/hr <input type="checkbox"/> SEER: 13.00 <input type="checkbox"/></span></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>13. Heating systems</p> <p style="margin-left: 20px;">a. Electric Heat Pump <span style="float: right;">Cap: 33.0 kBtu/hr <input type="checkbox"/> HSPF: 7.50 <input type="checkbox"/></span></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>14. Hot water systems</p> <p style="margin-left: 20px;">a. Electric Resistance <span style="float: right;">Cap: 40.0 gallons <input type="checkbox"/> EF: 0.93 <input type="checkbox"/></span></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) <input type="checkbox"/></p> <p>15. HVAC credits <input type="checkbox"/></p> <p style="margin-left: 20px;">(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)</p>
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I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: \_\_\_\_\_ City/FL Zip: \_\_\_\_\_



*\*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at [www.fsec.ucf.edu](http://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.*

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.  
EnergyGauge® (Version: FLR2PB v4.1)

# Residential System Sizing Calculation

## Summary

Brad & Becky Zoeller  
Lake City, FL

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

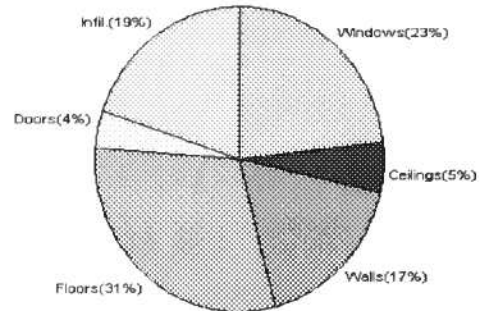
8/7/2007

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
<b>Total heating load calculation</b>	<b>28994 Btuh</b>	<b>Total cooling load calculation</b>	<b>21460 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	113.8 33000	Sensible (SHR = 0.75)	137.1 24750
Heat Pump + Auxiliary(0.0kW)	113.8 33000	Latent	241.7 8250
		Total (Electric Heat Pump)	153.8 33000

## WINTER CALCULATIONS

Winter Heating Load (for 1324 sqft)

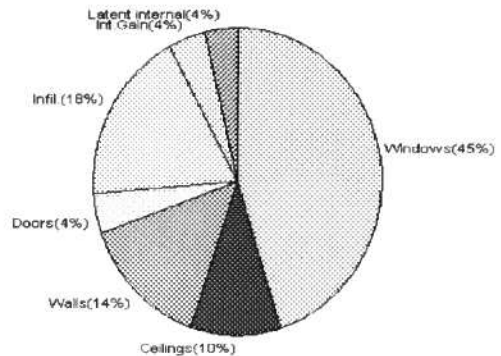
Load component	Load		
Window total	210 sqft	6760	Btuh
Wall total	1527 sqft	5015	Btuh
Door total	90 sqft	1166	Btuh
Ceiling total	1324 sqft	1560	Btuh
Floor total	203 sqft	8863	Btuh
Infiltration	139 cfm	5631	Btuh
Duct loss		0	Btuh
<b>Subtotal</b>		<b>28994</b>	<b>Btuh</b>
Ventilation	0 cfm	0	Btuh
<b>TOTAL HEAT LOSS</b>		<b>28994</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1324 sqft)

Load component	Load		
Window total	210 sqft	9656	Btuh
Wall total	1527 sqft	3067	Btuh
Door total	90 sqft	882	Btuh
Ceiling total	1324 sqft	2193	Btuh
Floor total		0	Btuh
Infiltration	71 cfm	1331	Btuh
Internal gain		920	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
<b>Total sensible gain</b>		<b>18048</b>	<b>Btuh</b>
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		2613	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		800	Btuh
<b>Total latent gain</b>		<b>3413</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>21460</b>	<b>Btuh</b>



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: 

DATE: 8/11/07

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Brad & Becky Zoeller

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

Lake City, FL

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

8/7/2007

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

Component Loads for Whole House						
<b>Window</b>	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	16.0		32.2	515 Btuh
2	2, Clear, Metal, 0.87	NE	10.0		32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	SW	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	NW	9.0		32.2	290 Btuh
6	2, Clear, Metal, 0.87	NE	60.0		32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
8	2, Clear, Metal, 0.87	N	15.0		32.2	483 Btuh
	Window Total		210(sqft)			6760 Btuh
<b>Walls</b>	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1322		3.3	4342 Btuh
2	Frame - Wood - Adj(0.09)	13.0	205		3.3	673 Btuh
	Wall Total		1527			5015 Btuh
<b>Doors</b>	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		50		12.9	648 Btuh
	Door Total		90			1166Btuh
<b>Ceilings</b>	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1324		1.2	1560 Btuh
	Ceiling Total		1324			1560Btuh
<b>Floors</b>	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	203.0	ft(p)	43.7	8863 Btuh
	Floor Total		203			8863 Btuh
	Zone Envelope Subtotal:					23363 Btuh
<b>Infiltration</b>	Type	ACH X	Zone Volume		CFM=	Load
	Natural	0.70	11916		139.0	5631 Btuh
<b>Ductload</b>	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
<b>Zone #1</b>	Sensible Zone Subtotal					28994 Btuh

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Brad & Becky Zoeller

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

Lake City, FL

8/7/2007

### WHOLE HOUSE TOTALS

	Subtotal Sensible	28994 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28994 Btuh

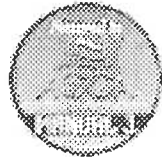
Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(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

Brad & Becky Zoeller  
Lake City, FL

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

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

8/7/2007

Component Loads for Zone #1: Main						
<b>Window</b>	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	16.0		32.2	515 Btuh
2	2, Clear, Metal, 0.87	NE	10.0		32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	SW	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	NW	9.0		32.2	290 Btuh
6	2, Clear, Metal, 0.87	NE	60.0		32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
8	2, Clear, Metal, 0.87	N	15.0		32.2	483 Btuh
	Window Total		210(sqft)			6760 Btuh
<b>Walls</b>	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1322		3.3	4342 Btuh
2	Frame - Wood - Adj(0.09)	13.0	205		3.3	673 Btuh
	Wall Total		1527			5015 Btuh
<b>Doors</b>	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		50		12.9	648 Btuh
	Door Total		90			1166Btuh
<b>Ceilings</b>	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1324		1.2	1560 Btuh
	Ceiling Total		1324			1560Btuh
<b>Floors</b>	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	203.0 ft(p)		43.7	8863 Btuh
	Floor Total		203			8863 Btuh
	Zone Envelope Subtotal:					23363 Btuh
<b>Infiltration</b>	Type	ACH X	Zone Volume		CFM=	Load
	Natural	0.70	11916		139.0	5631 Btuh
<b>Ductload</b>	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
<b>Zone #1</b>	Sensible Zone Subtotal					<b>28994 Btuh</b>

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Brad & Becky Zoeller

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

Lake City, FL

8/7/2007

### WHOLE HOUSE TOTALS

	Subtotal Sensible	28994 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28994 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

Brad & Becky Zoeller  
Lake City, FL

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F  
This calculation is for Worst Case. The house has been rotated 315 degrees.

8/7/2007

### 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, Clear, 0.87, None,N,N	NW	0ft.	0ft.	16.0	0.0	16.0	29	60	961 Btuh		
2	2, Clear, 0.87, None,N,N	NE	99ft.	9ft.	10.0	0.0	10.0	29	60	600 Btuh		
3	2, Clear, 0.87, None,N,N	NW	21.5f	9ft.	20.0	0.0	20.0	29	60	1201 Btuh		
4	2, Clear, 0.87, None,N,N	SW	99ft.	9ft.	20.0	20.0	0.0	29	63	579 Btuh		
5	2, Clear, 0.87, None,N,N	NW	0ft.	0ft.	9.0	0.0	9.0	29	60	540 Btuh		
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	7ft.	60.0	0.0	60.0	29	60	3602 Btuh		
7	2, Clear, 0.87, None,N,N	SE	8.5ft.	8ft.	60.0	60.0	0.0	29	63	1738 Btuh		
8	2, Clear, 0.87, None,N,N	N	99ft.	8ft.	15.0	0.0	15.0	29	29	434 Btuh		
<b>Window Total</b>					<b>210 (sqft)</b>					<b>9656 Btuh</b>		
<b>Walls</b>	<b>Type</b>	<b>R-Value/U-Value</b>		<b>Area(sqft)</b>		<b>HTM</b>		<b>Load</b>				
1	Frame - Wood - Ext	13.0/0.09		1322.0		2.1		2757 Btuh				
2	Frame - Wood - Adj	13.0/0.09		205.0		1.5		309 Btuh				
<b>Wall Total</b>					<b>1527 (sqft)</b>				<b>3067 Btuh</b>			
<b>Doors</b>	<b>Type</b>			<b>Area (sqft)</b>		<b>HTM</b>		<b>Load</b>				
1	Insulated - Adjacent			20.0		9.8		196 Btuh				
2	Insulated - Exterior			20.0		9.8		196 Btuh				
3	Insulated - Exterior			50.0		9.8		490 Btuh				
<b>Door Total</b>					<b>90 (sqft)</b>				<b>882 Btuh</b>			
<b>Ceilings</b>	<b>Type/Color/Surface</b>	<b>R-Value</b>		<b>Area(sqft)</b>		<b>HTM</b>		<b>Load</b>				
1	Vented Attic/DarkShingle	30.0		1324.0		1.7		2193 Btuh				
<b>Ceiling Total</b>					<b>1324 (sqft)</b>				<b>2193 Btuh</b>			
<b>Floors</b>	<b>Type</b>	<b>R-Value</b>		<b>Size</b>		<b>HTM</b>		<b>Load</b>				
1	Slab On Grade	0.0		203 (ft(p))		0.0		0 Btuh				
<b>Floor Total</b>					<b>203.0 (sqft)</b>				<b>0 Btuh</b>			
<b>Zone Envelope Subtotal:</b>										<b>15797 Btuh</b>		
<b>Infiltration</b>	<b>Type</b>	<b>ACH</b>		<b>Volume(cuft)</b>		<b>CFM=</b>		<b>Load</b>				
	SensibleNatural	0.36		11916		71.5		1331 Btuh				
<b>Internal gain</b>	<b>Occupants</b>		<b>Btuh/occupant</b>		<b>Appliance</b>		<b>Load</b>					
	4		X 230 +		0		920 Btuh					
<b>Duct load</b>	Partially sealed, R6.0, Supply(Attic), Return(Attic)						DGM = 0.00		0.0 Btuh			
<b>Sensible Zone Load</b>										<b>18048 Btuh</b>		

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Brad & Becky Zoeller  
Lake City, FL

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

8/7/2007

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>18048 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>18048 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>18048 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	2613 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>3413 Btuh</b>
	<b>TOTAL GAIN</b>	<b>21460 Btuh</b>

\*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

Brad & Becky Zoeller  
Lake City, FL

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F  
This calculation is for Worst Case. The house has been rotated 315 degrees.

8/7/2007

### 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, Clear, 0.87, None,N,N	NW	0ft.	0ft.	16.0	0.0	16.0	29	60	961 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	9ft.	10.0	0.0	10.0	29	60	600 Btuh
3	2, Clear, 0.87, None,N,N	NW	21.5f	9ft.	20.0	0.0	20.0	29	60	1201 Btuh
4	2, Clear, 0.87, None,N,N	SW	99ft.	9ft.	20.0	20.0	0.0	29	63	579 Btuh
5	2, Clear, 0.87, None,N,N	NW	0ft.	0ft.	9.0	0.0	9.0	29	60	540 Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	7ft.	60.0	0.0	60.0	29	60	3602 Btuh
7	2, Clear, 0.87, None,N,N	SE	8.5ft.	8ft.	60.0	60.0	0.0	29	63	1738 Btuh
8	2, Clear, 0.87, None,N,N	N	99ft.	8ft.	15.0	0.0	15.0	29	29	434 Btuh
<b>Window Total</b>					<b>210 (sqft)</b>					<b>9656 Btuh</b>
<b>Walls</b>	<b>Type</b>		<b>R-Value/U-Value</b>		<b>Area(sqft)</b>			<b>HTM</b>		<b>Load</b>
1	Frame - Wood - Ext		13.0/0.09		1322.0			2.1		2757 Btuh
2	Frame - Wood - Adj		13.0/0.09		205.0			1.5		309 Btuh
<b>Wall Total</b>					<b>1527 (sqft)</b>					<b>3067 Btuh</b>
<b>Doors</b>	<b>Type</b>		<b>Area (sqft)</b>			<b>HTM</b>		<b>Load</b>		
1	Insulated - Adjacent		20.0			9.8		196 Btuh		
2	Insulated - Exterior		20.0			9.8		196 Btuh		
3	Insulated - Exterior		50.0			9.8		490 Btuh		
<b>Door Total</b>					<b>90 (sqft)</b>					<b>882 Btuh</b>
<b>Ceilings</b>	<b>Type/Color/Surface</b>		<b>R-Value</b>		<b>Area(sqft)</b>			<b>HTM</b>		<b>Load</b>
1	Vented Attic/DarkShingle		30.0		1324.0			1.7		2193 Btuh
<b>Ceiling Total</b>					<b>1324 (sqft)</b>					<b>2193 Btuh</b>
<b>Floors</b>	<b>Type</b>		<b>R-Value</b>		<b>Size</b>			<b>HTM</b>		<b>Load</b>
1	Slab On Grade		0.0		203 (ft(p))			0.0		0 Btuh
<b>Floor Total</b>					<b>203.0 (sqft)</b>					<b>0 Btuh</b>
<b>Zone Envelope Subtotal:</b>									<b>15797 Btuh</b>	
<b>Infiltration</b>	<b>Type</b>		<b>ACH</b>		<b>Volume(cuft)</b>			<b>CFM=</b>		<b>Load</b>
	SensibleNatural		0.36		11916			71.5		1331 Btuh
<b>Internal gain</b>	<b>Occupants</b>			<b>Btuh/occupant</b>			<b>Appliance</b>		<b>Load</b>	
	4			X 230 +			0		920 Btuh	
<b>Duct load</b>	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
<b>Sensible Zone Load</b>									<b>18048 Btuh</b>	

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Brad & Becky Zoeller  
Lake City, FL

Project Title:  
705314ZoellerRes.(house)

Class 3 Rating  
Registration No. 0  
Climate: North

8/7/2007

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>18048 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>18048 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>18048 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	2613 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>3413 Btuh</b>
	<b>TOTAL GAIN</b>	<b>21460 Btuh</b>

\*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

Brad & Becky Zoeller  
Lake City, FL

Project Title:  
705314ZoellerRes.(house)

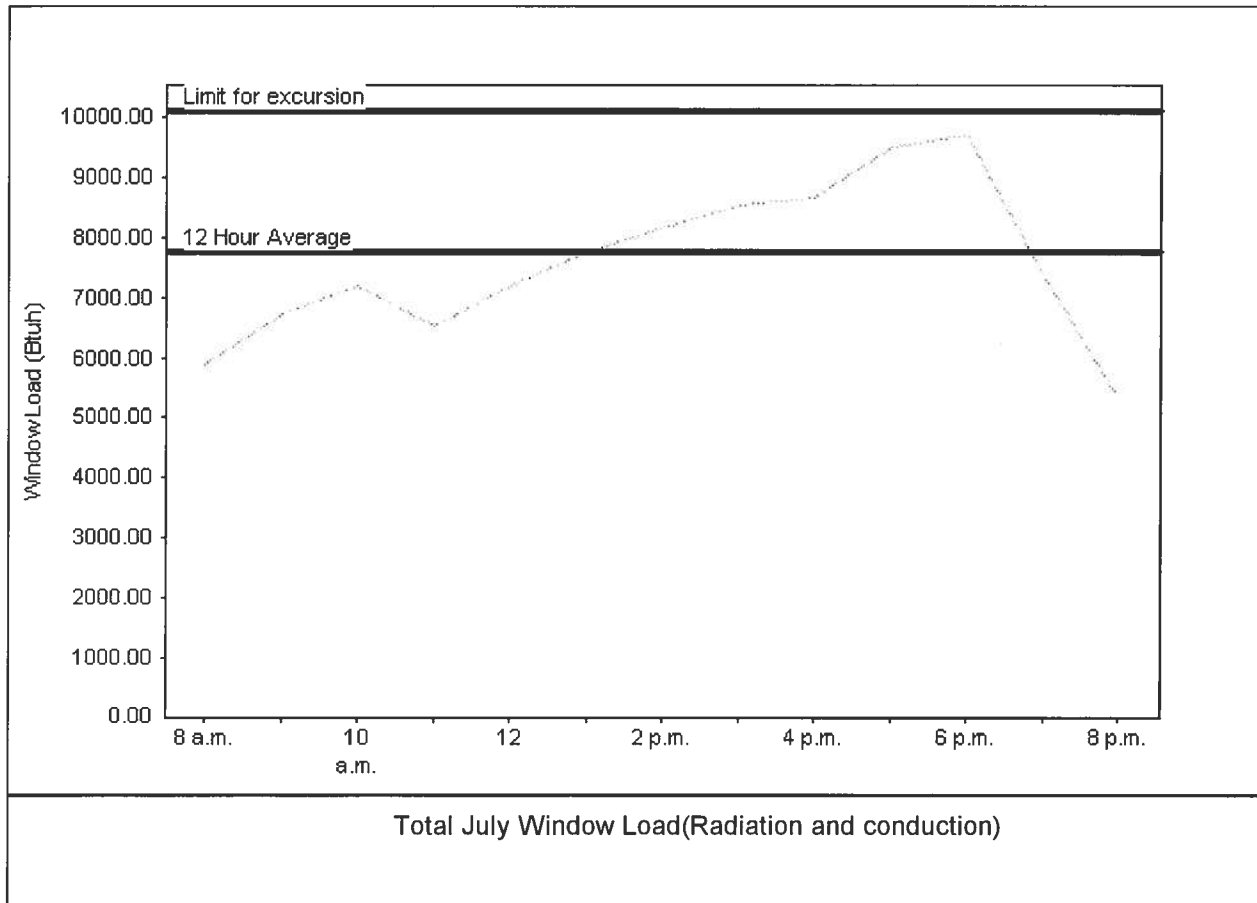
Class 3 Rating  
Registration No. 0  
Climate: North

8/7/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	7766 Btuh
Summer setpoint	75 F	Peak window load for July	9704 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	10096 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: 8/7/07

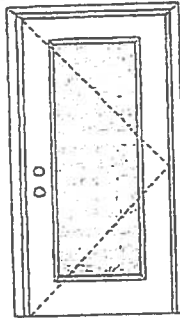


**X**  
Glazed Inswing Unit

**COP-WL-JH4141-02**

**WOOD-EDGE STEEL DOORS**

**APPROVED ARRANGEMENT:**



**Note:**  
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website ([www.elsemko.com](http://www.elsemko.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

Single Door  
Maximum unit size = 3'0" x 6'5"

Design Pressure  
**+40.5/-40.5**  
Limited water unless special threshold design is used.

Large Missile Impact Resistance  
**Hurricane protective system (shutters) is REQUIRED.**

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the addition required.

**MINIMUM ASSEMBLY DETAIL:**

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

**MINIMUM INSTALLATION DETAIL:**

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

**APPROVED DOOR STYLES:**

**1/4 GLASS:**



100 Series



133, 135 Series



136 Series



680 Series



822 Series

**1/2 GLASS:**



105 Series\*



106, 160 Series\*



129 Series\*



200 Series\*



12 R/L, 23 R/L, 24 R/L Series\*



107 Series\*



108 Series



204 Series

\*This glass kit may also be used in the following door styles: 5-panel 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

**XX**  
Opaque Inswing Unit

COP-WL-JH4102-02

## WOOD-EDGE STEEL DOORS

**CERTIFIED TEST REPORTS:**

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12,  
NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood  
Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior  
cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

**PRODUCT COMPLIANCE LABELING:**

TESTED IN ACCORDANCE WITH  
MIAMI-DADE BCCO  
PA201, PA202 & PA203  
  
COMPANY NAME  
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

*Kurt L. Bath*

State of Florida, Professional Engineer  
Kurt Bathazor, P.E. - License Number 56533



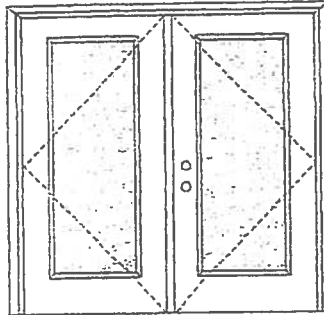
Steel Deck Review Certificate #2025447A  
and COP/First Report Validation Matrix  
#2026447A-001 provides additional  
information - available from the FTS/WH  
website ([www.fscsolutions.com](http://www.fscsolutions.com)), the  
Florida's website ([www.floridabuilding.com](http://www.floridabuilding.com))  
or the Florida Technical Center.

**XX**  
Glazed Inswing Unit

**COP-WL-JH4142-02**

# WOOD-EDGE STEEL DOORS

**APPROVED ARRANGEMENT:**



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website ([www.itswh.com](http://www.itswh.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

**Note:**  
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

**Double Door**  
Maximum unit size = 6'0" x 6'8"

**Design Pressure**  
**+40.5/-40.5**  
Limited water unless special threshold design is used.

**Large Missile Impact Resistance**  
**Hurricane protective system (shutters) is REQUIRED.**

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

**MINIMUM ASSEMBLY DETAIL:**

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02 and MAD-WL-MA0041-02.

**MINIMUM INSTALLATION DETAIL:**

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

**APPROVED DOOR STYLES:**

**1/4 GLASS:**



100 Series



133, 135 Series



136 Series



680 Series



822 Series

**1/2 GLASS:**



105 Series\*



106, 160 Series\*



129 Series\*



200 Series\*



12 R/L, 23 R/L, 24 R/L Series\*



107 Series\*



108 Series



304 Series

\*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

# WOOD-EDGE STEEL DOORS

## APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series



450 Series

## FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

## CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

## PRODUCT COMPLIANCE LABELING:

TESTED IN  
ACCORDANCE WITH  
MIAMI-DADE BCCO PA202

COMPANY NAME  
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer  
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website ([www.itswh.com](http://www.itswh.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

**Johnson**  
EntrySystems™

June 17, 2002  
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from  
**Masonite**®

Masonite International Corporation

**OXO**  
Glazed Inswing Unit

**COP-WL-JH4144-02**

## WOOD-EDGE STEEL DOORS

### APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series



450 Series

### FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series

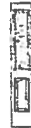


300 Series

### APPROVED SIDELITE STYLES:



680 Series



129 Series



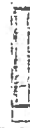
200 Series



12R, 12L, 23R, 23L, 24R, 24L Series



450 Series



152 Series



149 Series



109 Series



120, 122 Series



300 Series

### CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab and sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

### PRODUCT COMPLIANCE LABELING:

TESTED IN  
ACCORDANCE WITH  
MIAMI-DADE BCCO PA202

COMPANY NAME  
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

*Kurt L. Balhazor*

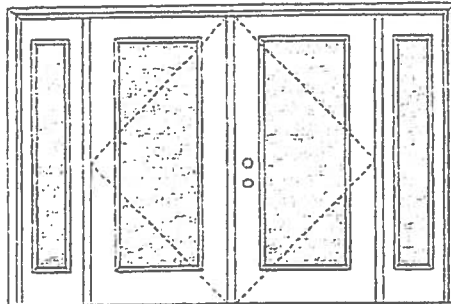
State of Florida, Professional Engineer  
Kurt Balhazor, P.E. - License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website ([www.itsamko.com](http://www.itsamko.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

**WOOD-EDGE STEEL DOORS**

**APPROVED ARRANGEMENT:**



Test Data Review Certificate #3025447A  
and COP/Test Report Validation Matrix  
#3025447A-001 provides additional  
information - available from the ITS/WH  
website ([www.elsemko.com](http://www.elsemko.com)), the  
Masonite website ([www.masonite.com](http://www.masonite.com))  
or the Masonite technical center.

**Note:**  
Units of other sizes are covered by this  
report as long as the panels used do not  
exceed 3'0" x 6'8".

Double Door with 2 Sidelites  
Maximum unit size = 12'0" x 5'8"

Design Pressure  
**+40.5/-40.5**  
Limited water unless special threshold design is used.

Large Missile Impact Resistance  
Hurricane protective system (shutters) is **REQUIRED**.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

**MINIMUM ASSEMBLY DETAIL:**

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0005-02 or MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

**MINIMUM INSTALLATION DETAIL:**

Compliance requires that minimum installation details have been followed – see MID-WL-MA0005-02.

**APPROVED DOOR STYLES:**

**1/4 GLASS:**



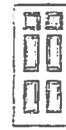
100 Series



133, 135 Series



136 Series



680 Series



822 Series

**1/2 GLASS:**



105 Series\*



106, 160 Series\*



129 Series\*



200 Series\*



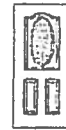
12 R/L, 23 R/L, 24 R/L  
Series\*



107 Series\*



108 Series



304 Series

\*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow; 5-panel; Eyebrow 5-panel with scroll.

# WOOD-EDGE STEEL DOORS

## APPROVED DOOR STYLES:

### 3/4 GLASS:



404 Series



410 Series



450 Series

### FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

## CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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Frame constructed of wood with an extruded aluminum threshold.

## PRODUCT COMPLIANCE LABELING:

TESTED IN  
ACCORDANCE WITH  
MIAMI-DADE BCCO PA202

COMPANY NAME  
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer  
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website ([www.itscmko.com](http://www.itscmko.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

# Johnson™ EntrySystems

June 17, 2002  
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

# Masonite®

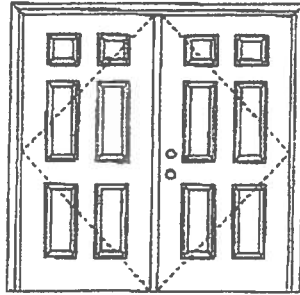
Masonite International Corporation

**XX**  
Opaque Inswing Unit

COP-WL-JH4102-02

## WOOD-EDGE STEEL DOORS

### APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Month #3026447A-001 provide additional information - available from the ITG/AVH website ([www.itgavh.com](http://www.itgavh.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite regional center.

**Note:**  
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

**Double Door**  
Maximum unit size = 6'0" x 6'8"

**Design Pressure**  
**+45.0/-45.0**

Emitted water unless special threshold design is used.

**Large Missile Impact Resistance**

**Hurricane protective system (shutters) is NOT REQUIRED.**

Actual design pressure and impact resistance requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

### MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02.

### MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

### APPROVED DOOR STYLES:



Plain



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



6-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

**Johnson**  
EntrySystems

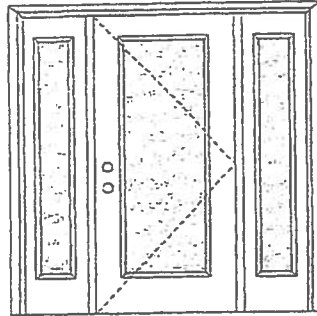
June 17, 2002  
Our continuing program of product development meets applications, design and product cost objectives in change oriented market.



**Masonite**  
Masonite International Corporation

**WOOD-EDGE STEEL DOORS**

**APPROVED ARRANGEMENT:**



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website ([www.itswh.com](http://www.itswh.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

**Note:**  
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Single Door with 2 Sidelites  
Maximum unit size = 9'0" x 6'8"

Design Pressure  
**+40.5/-40.5**  
Limited water unless special threshold design is used.

Large Missile Impact Resistance  
Hurricane protective system (shutters) is **REQUIRED**.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the addition required.

**MINIMUM ASSEMBLY DETAIL:**

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

**MINIMUM INSTALLATION DETAIL:**

Compliance requires that minimum installation details have been followed - see MID-WL-MA0004-02.

**APPROVED DOOR STYLES:**

**1/4 GLASS:**



100 Series



133, 135 Series



136 Series



680 Series



822 Series

**1/2 GLASS:**



105 Series\*



106, 160 Series\*



129 Series\*



200 Series\*



12 R/L, 23 R/L, 24 R/L Series\*



107 Series\*



108 Series



304 Series

\*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

*Doug Edgley*

**AAMA/NWWDA 101/LS.2-97  
TEST REPORT SUMMARY**

**Rendered to:**

**MI HOME PRODUCTS, INC.**

**SERIES/MODEL: 650 Fin  
TYPE: Aluminum Single Hung Window**

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft <sup>2</sup>
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

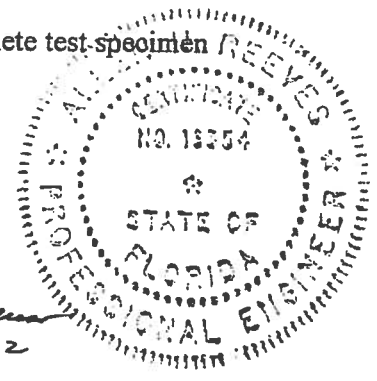
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

*Mark A. Hess*  
Mark A. Hess, Technician

MAH:nlb

*Allen M. Reeves*  
1 APRIL 2002



Architectural Testing

**AAMA/NWWDA 101/I.S.2-97 TEST REPORT**

Rendered to

MI HOME PRODUCTS, INC.  
650 West Market Street  
P.O. Box 370  
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01  
Test Date: 03/07/02  
Report Date: 03/26/02  
Expiration Date: 03/07/06

**Project Summary:** Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

**Test Specification:** The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

**Test Specimen Description**

**Series/Model:** 650 Fin

**Type:** Aluminum Single Hung Window

**Overall Size:** 4' 4-1/4" wide by 6' 0-3/8" high

**Active Sash Size:** 4' 1-3/4" wide by 3' 0-5/8" high

**Daylight Opening Size:** 3' 11-3/8" wide by 2' 9-1/2" high

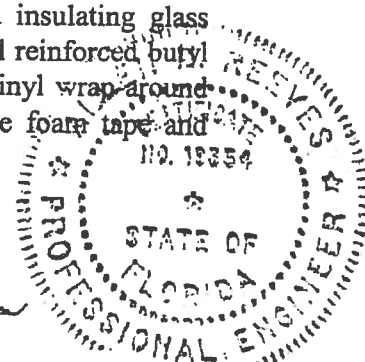
**Screen Size:** 4' 0-1/4" wide by 2' 11-1/8" high

**Finish:** All aluminum was white.

**Glazing Details:** The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court  
York, PA 17402-9405  
phone: 717.764.7700  
fax: 717.764.4129  
www.archtest.com

Allen N. Reuser  
1 APRIL 2002



**Test Specimen Description: (Continued)**

**Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

**Frame Construction:** The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

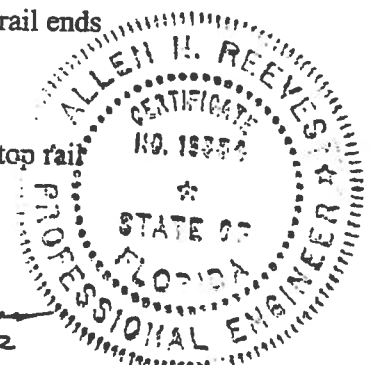
**Sash Construction:** The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

**Screen Construction:** The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

**Hardware:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

*Allen H. Reeves*  
1 APRIL 2002



**Test Specimen Description: (Continued)**

**Drainage:** Sloped sill

**Reinforcement:** No reinforcement was utilized.

**Installation:** The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

**Test Results:**

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft <sup>2</sup>	0.3 cfm/ft <sup>2</sup> max

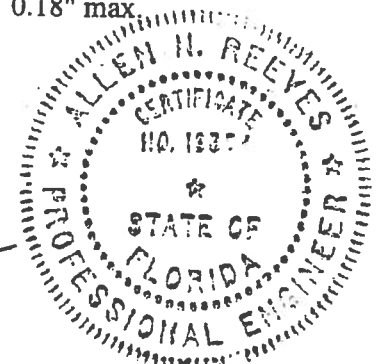
*Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.*

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

*\*Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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*Allen N. Reeves*  
1 APRIL 2002



**Test Specimen Description: (Continued)**

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

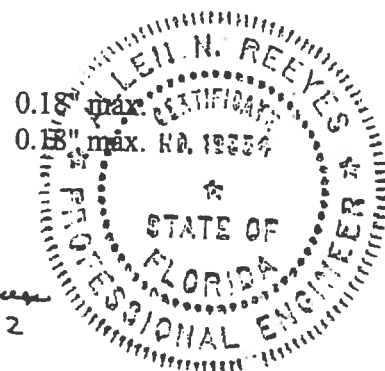
Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

*\*Exceeds L/175 for deflection, but passes all other test requirements.*

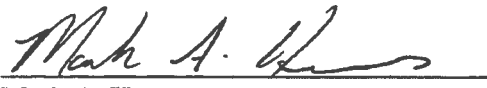
Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

*Allen N. Reeves*  
1 APRIL 2002



Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

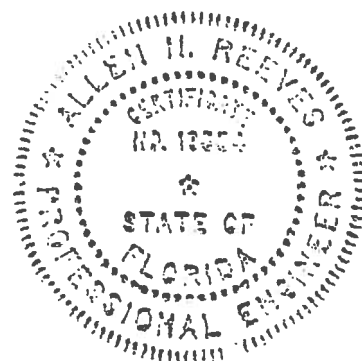


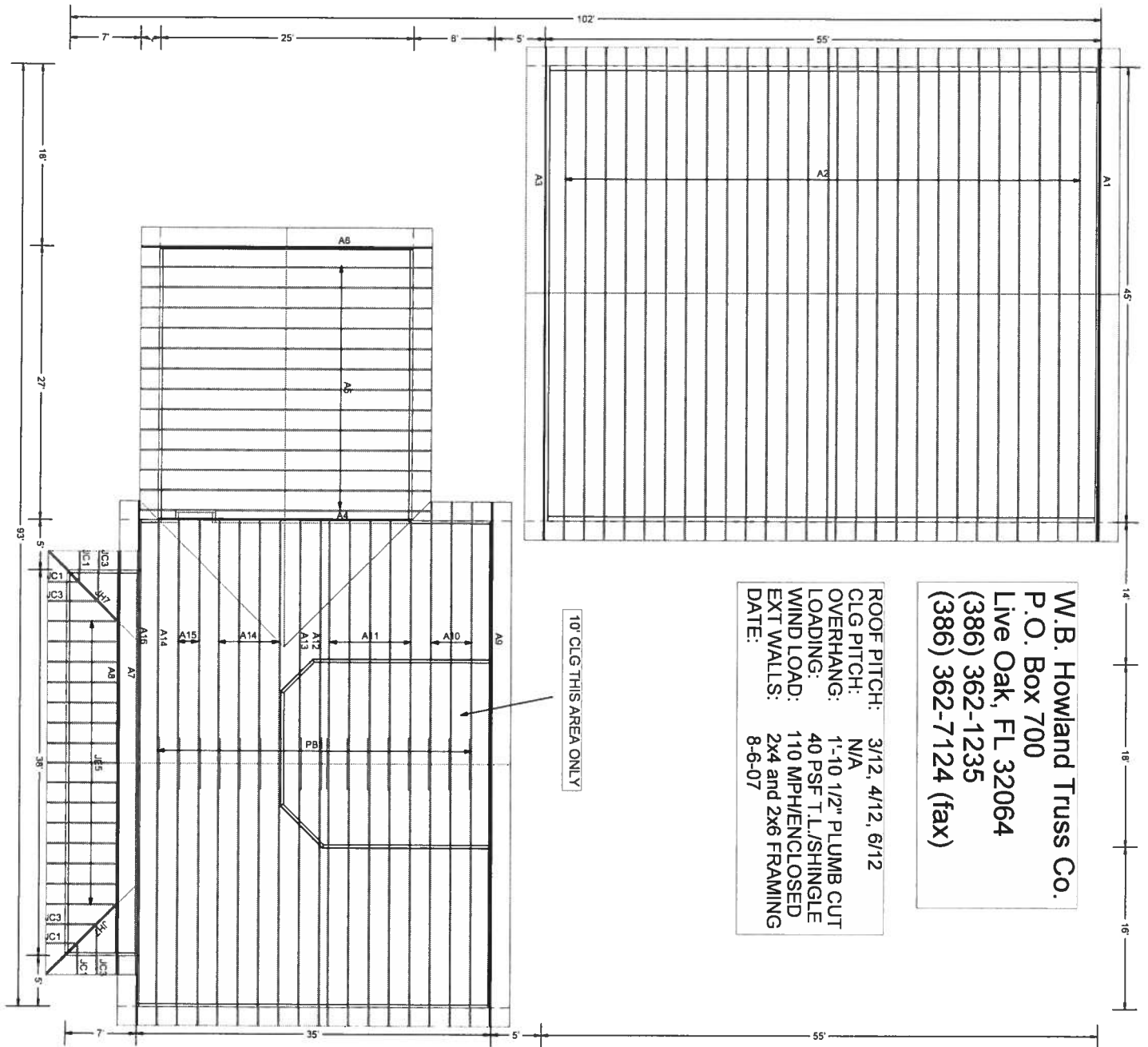
Mark A. Hess  
Technician

MAH:nib  
01-41134.01



Allen N. Reeves, P.E.  
Director - Engineering Services  
1 APRIL 2002





**W.B. Howland Truss Co.**  
 P.O. Box 700  
 Live Oak, FL 32064  
 (386) 362-1235  
 (386) 362-7124 (fax)

ROOF PITCH: 3/12, 4/12, 6/12  
 CLG PITCH: N/A  
 OVERHANG: 1'-10 1/2" PLUMB CUT  
 LOADING: 40 PSF T.L./SHINGLE  
 WIND LOAD: 110 MPH/ENCLOSED  
 EXT WALLS: 2x4 and 2x6 FRAMING  
 DATE: 8-6-07

10' CLG THIS AREA ONLY

Job Name: Zoeller Residence  
 Customer: EDGELY CONSTRUCTION  
 Designer: Chris McCall

JOB NO:  
 4815

PAGE NO:  
 1 OF 1

# New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

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

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

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

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

#26297

## Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.  
Company Address: 321 N.W. Cole Terrace, Suite 107 City Lake City State FL Zip 32055  
Company Business License No. JS163978 Company Phone No. 386-765-3611 • 352-494-5751  
FHA/VA Case No. (if any) \_\_\_\_\_

## Section 2: Builder Information

Company Name: Edgely Tenant Company Phone No. \_\_\_\_\_

## Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 202 S.W. Thalhousen Lane Lake City, FL  
Type of Construction (More than one box may be checked)  Slab  Basement  Crawl  Other \_\_\_\_\_  
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill None

## Section 4: Treatment Information

Date(s) of Treatment(s) 11-27-07  
Brand Name of Product(s) Used Terminex  
EPA Registration No. 534675-144  
Approximate Final Mix Solution % 1.06  
Approximate Size of Treatment Area: Sq. ft. 2622 Linear ft. 274 Linear ft. of Masonry Voids 274  
Approximate Total Gallons of Solution Applied 429  
Was treatment completed on exterior?  Yes  No  
Service Agreement Available?  Yes  No

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

Attachments (List) \_\_\_\_\_

Comments \_\_\_\_\_

Name of Applicator(s) Steve Brown Certification No. (if required by State law) \_\_\_\_\_

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

Authorized Signature Steve Brown Date 11-27-07

# CENTROPOLITICAVENUE OF

## 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 07-4S-17-08106-116

Building permit No. 000026297

Use Classification SFD/UTILITY

Fire: 25.68

Permit Holder DOUGLAS EDGLEY

Waste: 67.00

Owner of Building BRADFORD & REBECCA ZOELLER

Total: 92.68

Location: 202 SW CHALLENGER LANE, LAKE CITY, FL

Date: 06/03/2008

*Tony Dieke*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)

