

# Columbia County Building Permit Application

For Office Use Only Application # 0712-52 Date Received 12-17-07 By LH Permit # 1502/16547  
 Zoning Official BLK Date 20.12.07 Flood Zone XPSurveyor FEMA Map # N/A Zoning A-3  
 Land Use A-3 Elevation N/A MFE 1st Above Rd River N/A Plans Examiner OKJTH Date 12-20-07  
 Comments Section 2.3.1 Legal Non-Conforming Lot of Record  
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # \_\_\_\_\_  
☐ Dev Permit # \_\_\_\_\_ ☐ In Floodway ☐ Letter of Authorization from Contractor  
☒ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. \_\_\_\_\_ Brandi Hebb on Fax 719-9899

Name Authorized Person Signing Permit Matthew Erkinger, Sr. Phone 754-5555

Address 248 SE Nassau St. Lake City, FL 32025

Owners Name Justin Endsley Phone 758-8175

911 Address 262 SW Bloomington Terr. Lake City, FL 32025

Contractors Name Erkinger Home Builders, Inc. Phone 754-5555

Address 248 SE Nassau St Lake City FL 32025

Fee Simple Owner Name & Address \_\_\_\_\_

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disosway 163 SW Midtown Pl Lake City, FL 32025

Mortgage Lenders Name & Address Peoples State Bank 350 SW Main Blvd Lake City, FL 32025  
VA Grant

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

Property ID Number 22-55-17-09340-016 Estimated Cost of Construction \$160,000

Subdivision Name Mason City Lot \_\_\_\_\_ Block 50 Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions HWY 41 South, Turn Right on Turner Place, Turn left on Bloomington Terrace, 2ND Wt on R.

Number of Existing Dwellings on Property 2

Construction of Residential Single Family Home Total Acreage .54 Lot Size .54

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

Actual Distance of Structure from Property Lines - Front 50 Side 43.5 Side 43.5 Rear 60

Number of Stories 1 Heated Floor Area 2184 Total Floor Area 2432 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.

Columbia County Building Permit Application

**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.

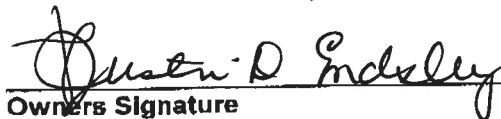
**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment**

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.

**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.

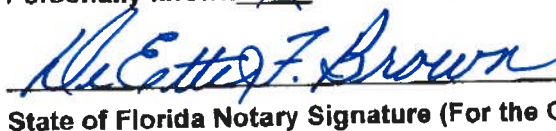
  
Owners Signature

**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.

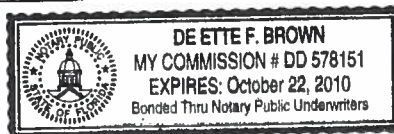
  
Contractor's Signature (Permittee)

Contractor's License Number RR0067135  
Columbia County  
Competency Card Number 154

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 17th day of Dec. 2007.  
Personally known ☒ or Produced Identification \_\_\_\_\_

  
State of Florida Notary Signature (For the Contractor)

SEAL:



THIS INSTRUMENT PREPARED BY  
AND RETURN TO:  
TITLE OFFICES, LLC  
343 NW COLE TERRACE, #101  
LAKE CITY, FLORIDA 32055

Parcel I.D. #: 09340-016

Inst: 200712027047 Date: 12/10/2007 Time: 9:07 AM  
JDC, P DeWitt Cason, Columbia County Page 1 of 1

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

### NOTICE OF COMMENCEMENT

STATE OF FLORIDA  
COUNTY OF COLUMBIA

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. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recording.

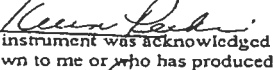
1. Description of property: (Legal description of property, and street address if available)  
TBD SW DISCOVERY PLACE, LAKE CITY, FLORIDA 32025  
THE N 1/4 OF S 1/4 OF E 1/4 OF BLOCK 50, MASON CITY, A SUBDIVISION ACCORDING TO  
PLAT THEREOF RECORDED IN PLAT BOOK 1, PAGE 31, PUBLIC RECORDS OF  
COLUMBIA COUNTY, FLORIDA.
2. General description of improvement: construction of single family dwelling
3. Owner information:
  - a. Name and address: JUSTIN D. ENDSLEY  
161 SW DISCOVERY PLACE, LAKE CITY, FL 32025
  - b. Interest in property: Fee Simple
  - c. Name and Address of Fee Simple Titleholder (if other than owner):
4. Contractor: (Name and Address) ERKINGER HOME BUILDERS, INC.  
248 SE NASSAU STREET, LAKE CITY, FLORIDA 32025  
Telephone Number: (386) 754-5555
5. Lender: (Name and Address) PEOPLES STATE BANK  
350 SW MAIN BLVD., LAKE CITY FL 32025  
Telephone Number: 386-754-0002
6. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)(7), Florida Statutes: (Name and Address)  
N/A
7. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address) PEOPLES STATE BANK  
350 SW MAIN BLVD., LAKE CITY FL 32025  
Telephone Number: 386-754-0002
8. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified)

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature of Owner(s) or Owner's Authorized Officer/Director/Partner/Manager:

 (SEAL)  
JUSTIN D. ENDSLEY

(SEAL)

By His/Her Attorney in Fact   
The foregoing instrument was acknowledged before me this 3rd day of December, 2007, by JUSTIN D. ENDSLEY, who is personally known to me or who has produced

as identification.

Notary Public

My Commission Expires: Aug 10, 2011



# 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: 12/3/2007 DATE ISSUED: 12/6/2007

### ENHANCED 9-1-1 ADDRESS:

262 SW BLOOMINGTON TER  
LAKE CITY FL 32025  
PROPERTY APPRAISER PARCEL NUMBER:  
22-5S-17-09340-016

### Remarks:

N1/2 OF S1/2 OF E1/2 OF BLOCK 50 MASON CITY

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

1046

DEC 06 2007

911Addressing/GIS Dept

# UNIVERSAL

## ENGINEERING SCIENCES

**Consultants In: Geotechnical Engineering •  
Environmental Sciences • Construction Materials Testing**

**4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392**

# REPORT ON IN-PLACE DENSITY TESTS

Print 00026547

CLIENT: Eckinger Home Bldg

PROJECT: 262 S. Bloomington Terrace 4024

AREA TESTED: fill & pour bldg found

**COURSE:** 510

DEPTH OF TEST: 0'-1

TYPE OF TEST: ASTM D 2922

DATE TESTED: 1-16-08

NOTE: The below tests ~~DO/DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS: 2 test - Ped will be tested later

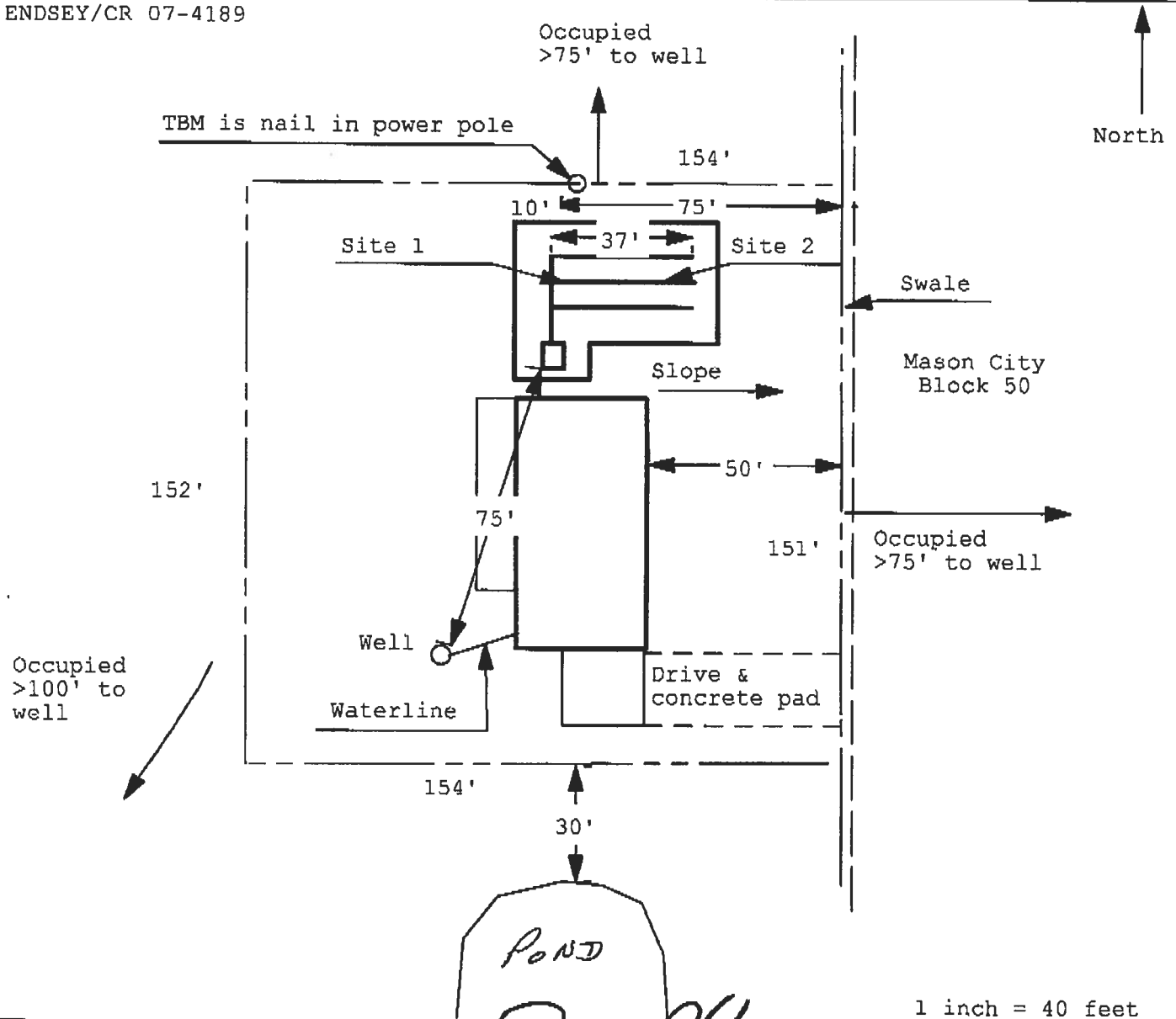
[illegible]

**TECH.**

**Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan**  
**Permit Application Number:** 07-0967

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

ENDSEY/CR 07-4189



Site Plan Submitted By Paul Lloyd Date 12/4/07  
 Plan Approved ☒ Not Approved ☐ Date 12-19-07

By Mar A Larch Columbia CPHU

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



# Columbia County Building Department Culvert Permit

Culvert Permit No.  
000001502

DATE 12/26/2007 PARCEL ID # 22-5S-17-09340-016  
APPLICANT BRANDI HEBB PHONE 754.5555  
ADDRESS 248 SE NASSAU LAKE CITY FL 32025  
OWNER JUSTIN ENDSLEY PHONE 758.8175  
ADDRESS 262 SW BLOOMINGTON TERRACE LAKE CITY FL 32025  
CONTRACTOR MATTHEW ERKINGER, SR. PHONE 386.754.5555  
LOCATION OF PROPERTY 41-S TO TURNER, TR TO BLOOMINGTON, TL AND IT'S THE 2ND LOT ON  
THE R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MASON CITY 50

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



**CLYATT WELL DRILLING, INC.***(Established in 1971)**Post Office Box 180**Worthington Springs, FL 32697**Phone (386)496-2488 \*\*\* FAX (386)496-4640***WELL DESCRIPTION***DESCRIPTION DATE*

12/10/2007

*CUSTOMER NAME AND ADDRESS*

Erkinger Home Builders  
Attn.: Matthew A. Erkinger  
248 Southeast Nassau Street  
Lake City, Florida 32025

*DESCRIPTION OF WORK*

4" Well and Pump

*DESCRIPTION*

Feet 4" Well  
1 HP Submersible Pump  
1-1/4" Galvanized Drop Pipe  
14/3 Submersible Pump Wire  
81 Gallon Captive Air Tank  
4 X 1-1/4 Well Seal  
Pressure Relief Valve  
Controls and Fittings

**THANK YOU FOR YOUR BUSINESS!** This document is provided to give a description of the well to be constructed on your behalf. All materials remain the property of Clyatt Well Drilling, Inc., until paid for in full. Clyatt Well Drilling, Inc., does not agree to find or develop water, nor does it represent, warrant or guarantee the quality or kind of water which may be encountered. If it is necessary to install water filters, the owner agrees it is his/her responsibility to pay the cost. Right to repossess is granted if payment for well is not made.



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name: **Justin Endsley**  
Address: **161 SW Discovery PL**  
City, State: **Lake City, FL**  
Owner: **Justin Endsley**  
Climate Zone: **North**

Builder: **Erkinger Homes**  
Permitting Office: **COLUMBIA**  
Permit Number: **26547**  
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 (ft <sup>2</sup> ) | 2184 ft <sup>2</sup>           | ___                   |
| 7. Glass area & type                         | Single Pane                    | Double Pane           |
| a. Clear glass, default U-factor             | 0.0 ft <sup>2</sup>            | 278.0 ft <sup>2</sup> |
| b. Default tint, default U-factor            | 0.0 ft <sup>2</sup>            | 0.0 ft <sup>2</sup>   |
| c. Labeled U-factor or SHGC                  | 0.0 ft <sup>2</sup>            | 0.0 ft <sup>2</sup>   |
| 8. Floor types                               |                                |                       |
| a. Slab-On-Grade Edge Insulation             | R=0.0, 217.0(p) ft             | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| 9. Wall types                                |                                |                       |
| a. Frame, Wood, Exterior                     | R=11.0, 1808.0 ft <sup>2</sup> | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| d. N/A                                       |                                | ___                   |
| e. N/A                                       |                                | ___                   |
| 10. Ceiling types                            |                                |                       |
| a. Under Attic                               | R=30.0, 2184.0 ft <sup>2</sup> | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| 11. Ducts                                    |                                |                       |
| a. Sup: Unc. Ret: Unc. AH: Interior          | Sup. R=6.0, 350.0 ft           | ___                   |
| b. N/A                                       |                                | ___                   |
| 12. Cooling systems                          |                                |                       |
| a. Central Unit                              | Cap: 42.0 kBtu/hr              | ___                   |
|  | SEER: 13.00                    | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| 13. Heating systems                          |                                |                       |
| a. Electric Heat Pump                        | Cap: 42.0 kBtu/hr              | ___                   |
|  | HSPF: 7.40                     | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| 14. Hot water systems                        |                                |                       |
| a. Electric Resistance                       | Cap: 50.0 gallons              | ___                   |
|  | EF: 0.91                       | ___                   |
| b. N/A                                       |                                | ___                   |
| 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: 0.13

Total as-built points: 30958

Total base points: 34774

## PASS

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

PREPARED BY: Richard C. Legater  
DATE: 12-4-07

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: \_\_\_\_\_



ADDRESS: **161 SW Discovery PL, Lake City, Fl,** PERMIT #:

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 161 SW Discovery PL, 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	2184.0	12.74	5008.3	Double, Clear	E	1.5	8.0	146.0	18.79	1.02	2798.2			
				Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.7			
				Double, Clear	W	1.5	8.0	117.0	20.73	1.01	2452.2			
				<b>As-Built Total:</b>				<b>278.0</b>	<b>5458.1</b>					
<b>WALL TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points							
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0		1808.0	3.70		6689.6				
Exterior	1808.0	3.70	6689.6											
<b>Base Total:</b>				<b>1808.0</b>		<b>6689.6</b>		<b>As-Built Total:</b>		<b>1808.0 6689.6</b>				
<b>DOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points							
Adjacent	0.0	0.00	0.0	Exterior Wood			84.0	12.30		1033.2				
Exterior	84.0	12.30	1033.2											
<b>Base Total:</b>				<b>84.0</b>		<b>1033.2</b>		<b>As-Built Total:</b>		<b>84.0 1033.2</b>				
<b>CEILING TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points							
Under Attic	2184.0	2.05	4477.2	Under Attic	30.0		2184.0	2.05 X 1.00		4477.2				
<b>Base Total:</b>				<b>2184.0</b>		<b>4477.2</b>		<b>As-Built Total:</b>		<b>2184.0 4477.2</b>				
<b>FLOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points							
Slab	217.0(p)	8.9	1931.3	Slab-On-Grade Edge Insulation	0.0		217.0(p)	18.80		4079.6				
Raised	0.0	0.00	0.0											
<b>Base Total:</b>				<b>1931.3</b>		<b>4079.6</b>		<b>As-Built Total:</b>		<b>217.0 4079.6</b>				
<b>INFILTRATION</b> Area X BWPM = Points								Area X WPM = Points						
2184.0 -0.59 -1288.6								2184.0 -0.59 -1288.6						
<b>Winter Base Points: 17851.1</b>				<b>Winter As-Built Points: 20449.1</b>										
Total Winter Points	X System Multiplier	= Heating Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)											
17851.1	0.6274	11199.8	20449.1	1.000	(1.069 x 1.169 x 0.93)	0.461	1.000	10951.5	20449.1	1.00	1.162	0.461	1.000	10951.5



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: **161 SW Discovery PL, Lake City, FL,**

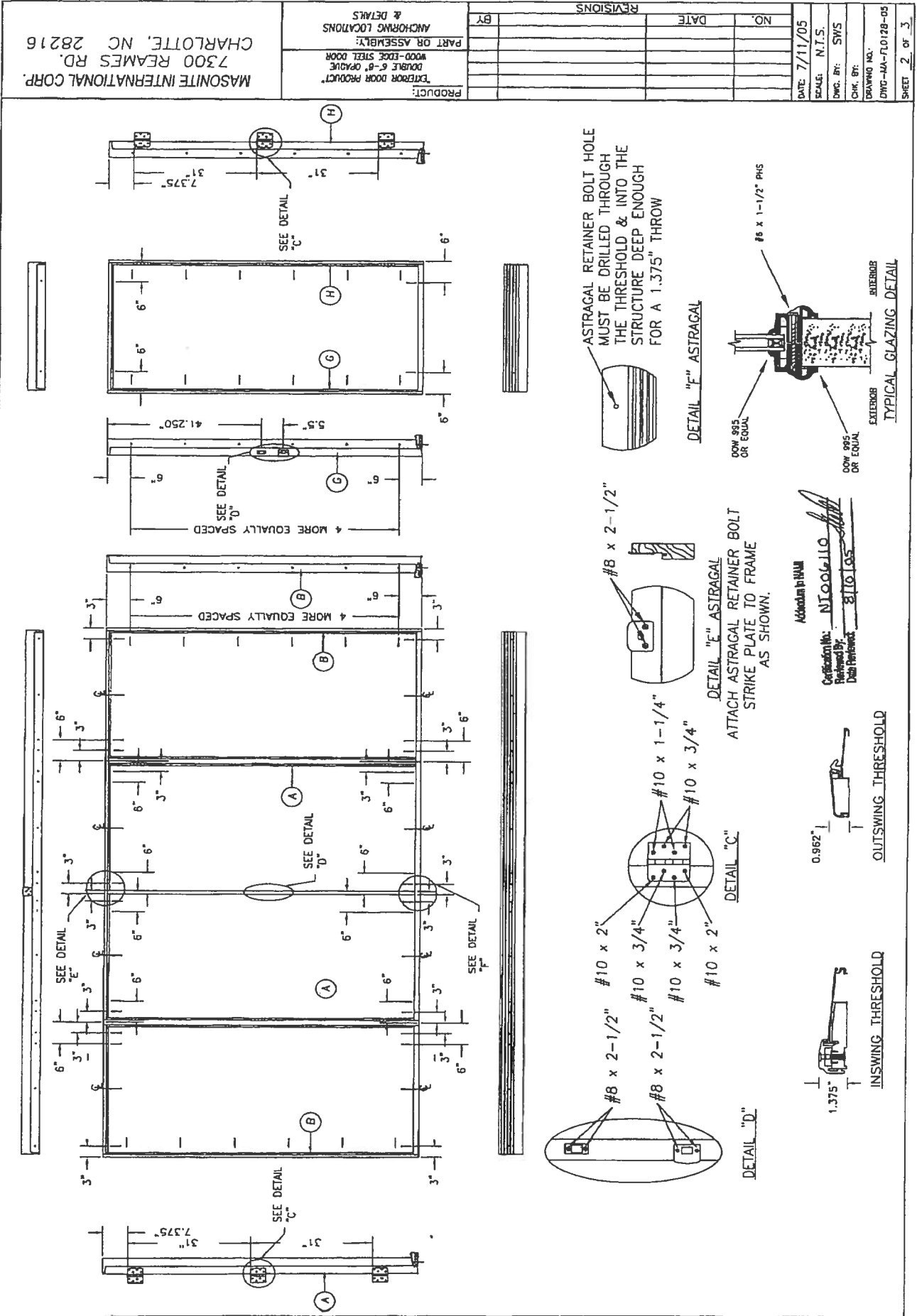
PERMIT #:

**6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

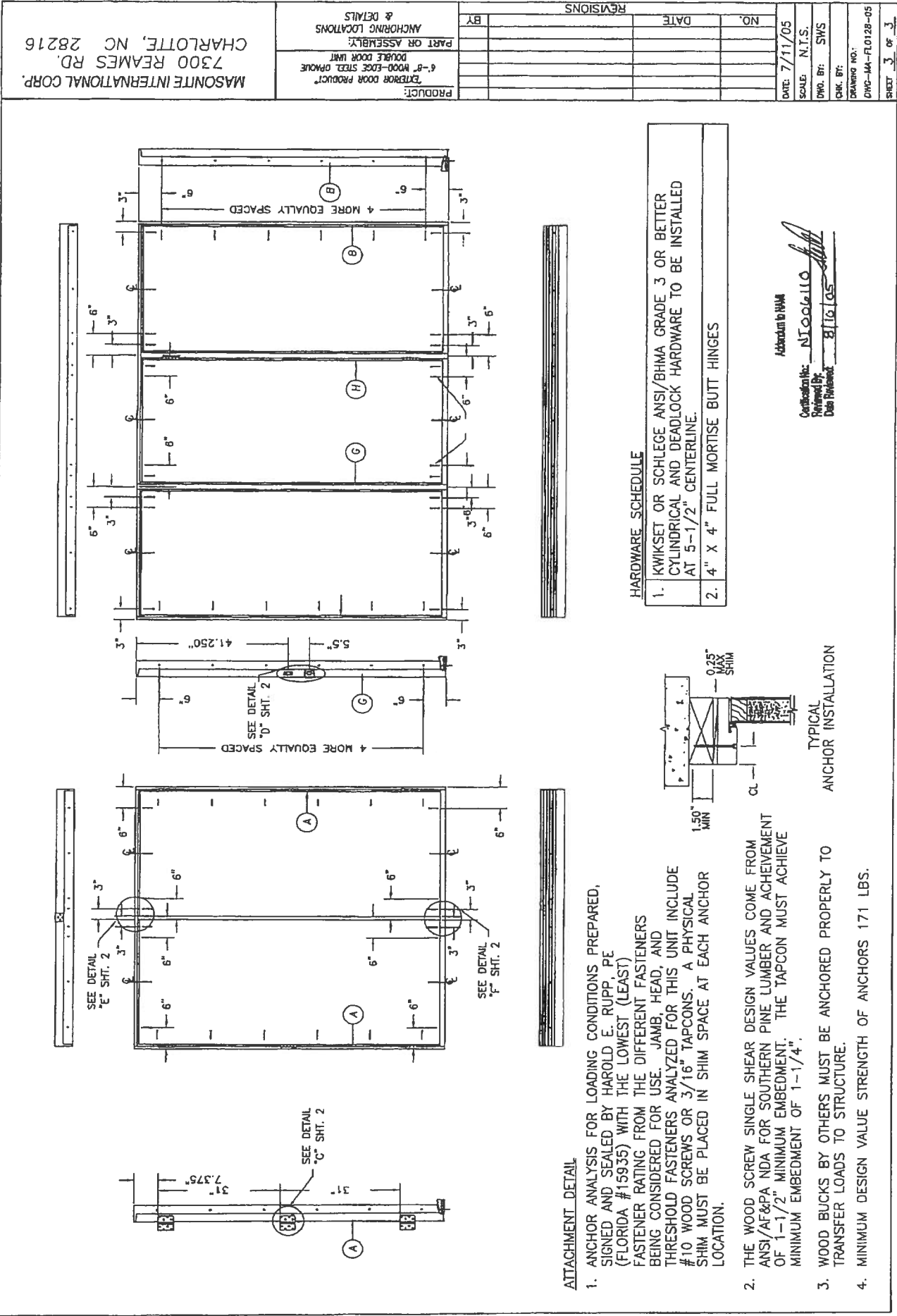
COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq. ft. window area; .5 cfm/sq. ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & 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 6-12. 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.	









# INSTALLATION INSTRUCTIONS FOR ALUMINUM FIN AND FLANGE WINDOWS

## **FAILURE TO FOLLOW THESE INSTRUCTIONS, AND BUILDING CODES REQUIREMENTS, MAY AFFECT THE REMEDIES AVAILABLE UNDER YOUR WARRANTY**

READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING. Please inspect your MI Windows and Doors, Inc. product thoroughly before beginning installation. Inspect the opening and the product, and do not install if there is any observable damage or other irregularity. The product specification sheet and warranty include important information regarding your product and may include product-specific installation requirements (for example, types of fasteners to be used with impact resistant windows and limitations on the height at which the product may be installed); if you did not obtain copies please contact MI Windows and Doors, Inc. Local building codes may impose additional requirements, and those codes supersede those instructions.

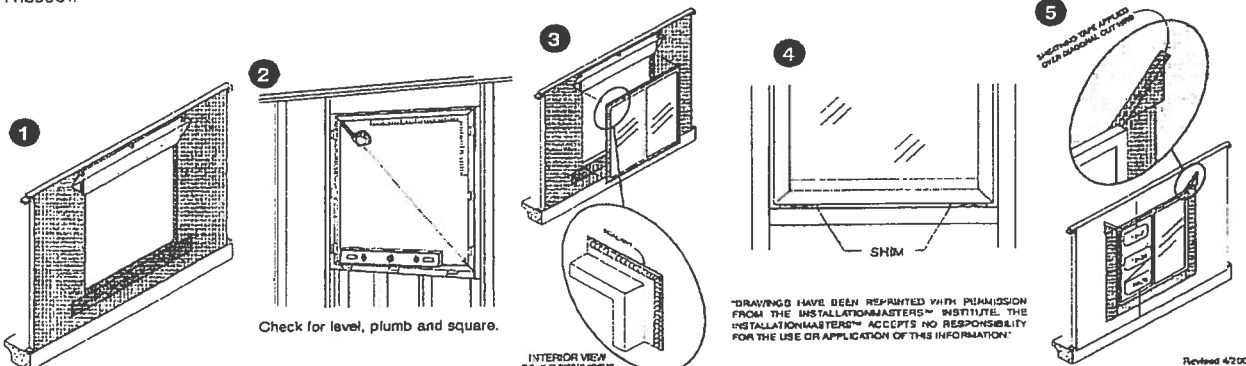
1. IF THE BUILDING HAS A WEATHER RESISTANT BARRIER (WRB) I.E. HOUSE WRAP, PREPARE THE OPENING ACCORDING TO WRB MANUFACTURER'S INSTRUCTIONS. AT EACH TOP CORNER MAKE A 45° CUT IN THE WRB. FOLD UP THE WRB SO THAT THE TOP NAIL FIN OF THE UNIT CAN BE INSTALLED UNDERNEATH IT. (See Figure 1 below) FLASHING OF THE WINDOW OPENING IS RECOMMENDED AND MAY BE REQUIRED BY SOME BUILDING CODES.
2. MAKE SURE THE ROUGH OPENING IS PLUMB, SQUARE AND THE SILL PLATE IS LEVEL. ROUGH OPENINGS SHOULD BE 1/2" LARGER THAN NET WINDOW SIZE IN WIDTH & HEIGHT. (SEE FIGURE 2 BELOW)
3. CLOSE & LOCK THE SASH THROUGHOUT INSTALLATION. KEEP THE SIDE JAMBS PLUMB & SQUARE WITH HEAD AND SILL. BE CAREFUL NOT TO "CROWN UP" OR "BOW DOWN" THE HEAD OR SILL. CONSTANTLY CHECK WIDTH AT THE MEETING RAILS OF SINGLE AND DOUBLE HUNG TO AVOID A "BOWED OUT" INSTALLATION. WHEN USING FLASHING APPLY THE BOTTOM PIECE BEFORE INSTALLING THE WINDOWS. (SEE FIGURE #1) FLANGE TYPE WINDOWS REQUIRE FLASHING THE ENTIRE OPENING PRIOR TO WINDOW INSTALLATION. FLASHING MUST MEET ASTM D-799, 24 HOUR WATER RESISTANCE TEST.
4. APPLY A CONTINUOUS 3/8" BEAD OF PREMIUM GRADE, COMPATIBLE EXTERIOR SEALANT TO THE INTERIOR (BACKSIDE) OF THE NAIL FIN OR FLANGE NEAR THE OUTSIDE EDGE ON ALL SIDES PRIOR TO SETTING THE WINDOW INTO THE ROUGH OPENING. (SEE FIGURE 3 BELOW)
5. SET AND CENTER THE WINDOW INTO THE OPENING. INSERT 1/4" SHIMS UNDER THE BOTTOM CORNERS (DO NOT PLACE SHIMS OR BLOCKS UNDER THE SILL EXCEPT AT THE CORNERS). THESE SHIMS SHOULD BE REMOVED AFTER INSTALLATION IS COMPLETE. (SEE FIGURE 4 BELOW) MULLED WINDOWS, SLIDERS AND UNITS WITH INTERMEDIATE JAMBS REQUIRE A SHIM AT EACH MULLION, INTERMEDIATE JAMB OR MEETING RAIL TO INSURE A LEVEL SILL CONDITION. IF ADDITIONAL SHIMS ARE REQUIRED TO MAINTAIN A LEVEL SILL. APPLY SHIMS AS NECESSARY. THESE SHIMS SHOULD REMAIN AFTER INSTALLATION IS COMPLETE
6. PLACE A TEMPORARY FASTENER THROUGH THE NAIL FIN ON EACH TOP CORNER OF FIN UNITS. ON FLANGE WINDOWS INSTALL TEMPORARY FASTENERS INTO THE HOLES PROVIDED IN THE FRAME AT THE TOP OF JAMBS; PLACE SHIMS AT EACH ANCHOR LOCATION AT THE SIDES AND HEAD. FASTENERS NEED TO BE INSTALLED STRAIGHT AND SUFFICIENT LENGTH TO PENETRATE TO FRAMING BY A MINIMUM OF 1 INCH. CHECK THE SILL FOR LEVEL BY RAISING THE SASH SLIGHTLY. THE SPACE SHOULD BE EQUAL, IF NOT ADJUST ACCORDINGLY. RELOCK SASH. CHECK THE JAMBS FOR PLUMB, THEN MEASURE DIAGONALLY ACROSS THE CORNERS. THESE DIMENSIONS MUST BE THE SAME FOR UNIT TO BE SQUARE. NEXT, PLACE FASTENERS NEAR THE BOTTOM CORNERS. AGAIN CHECKING WINDOW FOR LEVEL, PLUMB AND SQUARE. CONTINUE PLACING FASTENERS IN THE NAIL FIN, EVERY 16" ON ALL SIDES OF FIN WINDOWS UNTIL SECURE, AVOID DISTORTING THE FIN. FLANGE UNITS REQUIRE FASTENERS IN ALL HOLES PROVIDED IN THE FRAME. SHIMMING AS NEEDED AT EACH FASTENING POINT.
7. APPLY SEALANT OVER EXPOSED FASTENER HEADS ON THE NAIL FIN, ALSO SEAL OUTSIDE OF NAIL FIN/FLANGE WHERE IT IS IN CONTACT WITH THE WRB/WEATHING. OR IF FLASHING (WINDOW TAPE) IS BEING USED - NOTE: SILL FLASHING SHOULD HAVE BEEN APPLIED PRIOR TO INSTALLING THE WINDOW. APPLY THE SIDE FLASHING ON TOP OF THE NAIL FIN OVERLAPPING THE SILL FLASHING AND EXTENDING UP PAST THE TOP NAIL FIN BY APPROXIMATELY 2". THEN APPLY THE TOP FLASHING ALSO COVER THE NAIL FIN, OVERLAPPING THE SIDE PIECES AND EXTENDING PAST THE SIDE FLASHING BY APPROXIMATELY 1". LASTLY FOLD DOWN THE WRB FLAP OVER THE FLASHING, TAPE THE DIAGONAL CUTS ABOVE EACH CORNER. (SEE FIGURE 5 BELOW)
8. PLACE SHIMS AT THE MEETING RAILS/CHECK RAILS AT THE SIDE JAMBS OF FIN UNITS TO PREVENT BOWING. THESE SHIMS SHOULD REMAIN AFTER INSTALLATION. CAUTION SHOULD BE TAKEN AS TO NOT OVER SHIM AND CAUSE DEFLECTION OF THE FRAME AND HINDER SASH OPERATION. CHECK THE WIDTH OF THE WINDOW AT THE TOP, MIDDLE AND BOTTOM. IF NOT THE SAME, SHIM ACCORDINGLY. UNLOCK AND OPERATE THE SASH, TILT IT IN AND VISUALLY INSPECT ALL SIGHT LINES.
9. INSULATE BETWEEN THE WINDOW FRAME & ROUGH OPENING WITH FIBERGLASS INSULATION OR EQUAL. THE SPACE MAY BE FILLED WITH MEASURED USE OF LOW EXPANSION FOAM BUT ONLY AFTER DETERMINING THAT FOAM WILL NOT EXERT PRESSURE AGAINST THE FRAME, WHICH CAN IMPAIR OPERATION. DISTORTION OF THE FRAME WILL AFFECT THE USER'S RIGHTS UNDER THE WARRANTY.
11. ALLOW A 1/4" GAP BETWEEN THE EXTERIOR CLADDING, SIDING, BRICK, STUCCO OR STONE AND THE WINDOW FRAME ON ALL SIDES, EXCEPT VINYL J-CHANNEL. THE GAP (EXPANSION JOINT) SHOULD BE FILLED WITH CORRECT SIZE BACKER ROD, THEN SEALED WITH A HIGH GRADE EXTERIOR SEALANT AND WILL NEED TO BE MAINTAINED.

### CAUTION:

- USE OF SOLVENTS OR ACIDS WILL DAMAGE COMPONENTS OF THIS PRODUCT AND WILL LIMIT RIGHTS UNDER WARRANTY.
- FIN WINDOWS SHOULD BE FASTENED THROUGH THE FIN ONLY. FLANGE WINDOWS SHOULD BE ANCHORED ONLY THROUGH THE PROVIDED HOLES IN THE FRAME. FASTENING IN ANY OTHER PORTION MAY PERMANENTLY DAMAGE UNIT WHICH WILL LIMIT RIGHTS UNDER THE WARRANTY
- IT IS THE RESPONSIBILITY OF THE OWNER, ARCHITECT, OR BUILDER TO SELECT CORRECT PRODUCTS TO BE IN COMPLIANCE WITH APPLICABLE LAWS AND BUILDING CODES.
- DO NOT STORE IN THE SUN OR LAY FLAT BEFORE OR DURING INSTALLATION.
- ANY PENETRATIONS (e.g. ALARM SENSORS) MADE THROUGH ANY PORTION OF ANY M.I., BETTERBILT OR CAPITOL PRODUCT MAY AFFECT RIGHTS UNDER THE MANUFACTURER'S WARRANTY.
- SOME LAWS AND BUILDING CODES REQUIRE SAFETY GLASS TO BE USED NEAR DOORS AND/OR FLOORS. UNLESS SPECIFICALLY ORDERED, THE MANUFACTURER'S NEW CONSTRUCTION WINDOWS ARE NOT MADE WITH SAFETY GLASS, AND, IF BROKEN, THE GLASS MAY SHATTER AND CAUSE INJURY.

THESE INSTRUCTIONS ARE MINIMUM REQUIREMENTS ONLY. CHECK STATE AND LOCAL CODE RESTRICTIONS FOR ADDITIONAL COMPLIANCE ON INSTALLATION AND OR FASTENING. IF UNIT HAS EXTERIOR TRIM (BRICK MOLDU CHANNEL, ETC) THE UNIT MUST BE SEALED BEHIND THE NAIL FIN, THE TRIM IS PROVIDED FOR AESTHETIC PURPOSES ONLY. INSTALLATION INTO MASONRY OR REPLACEMENT OPENINGS MUST BE SEALED TO THE OPENINGS USING AN APPROVED, PROPER METHOD. REFER TO AAMA 2400 AND/OR ASTM E2112 STANDARDS.

THESE INSTALLATION INSTRUCTIONS ARE PROVIDED FOR INFORMATION ONLY. NO REPRESENTATION AND WARRANTY IS MADE THAT THESE INSTRUCTIONS SET FORTH ALL OF THE INFORMATION NECESSARY FOR PROPER INSTALLATION OF THE PRODUCT. GIVEN THE VARIETY OF FIELD CONDITIONS, PRIMARY RESPONSIBILITY FOR PRODUCT INSTALLATION RESTS WITH THE INSTALLER. DO NOT PROCEED UNLESS YOU HAVE ADDRESSED THE FACTORS NECESSARY TO ACHIEVE WEATHER-TIGHT INSTALLATION OF A PROPERLY FUNCTIONING PRODUCT. MI WINDOWS AND DOORS, INC. ASSUMES NO LIABILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE INCURRED IN INSTALLATION. THESE INSTRUCTIONS, TOGETHER WITH THE PRODUCT SPECIFICATIONS AND WARRANTY SET FORTH THE ENTIRE LIABILITY OF MI WINDOWS AND DOORS, INC. WITH REGARD TO THE PRODUCT.



"DRAWINGS HAVE BEEN REPRINTED WITH PERMISSION FROM THE INSTALLATIONMASTERS™ INSTITUTE. THE INSTALLATIONMASTERS™ ACCEPTS NO RESPONSIBILITY FOR THE USE OR APPLICATION OF THIS INFORMATION."

Revised 4/2/09

# 8455.4  
FLORIDA PRODUCT APPROVAL

# ERKINGER HOME BUILDERS

248 SE Nassau Street  
Lake City, Florida 32025

Contracting/Construction Management/Consulting

License # RR-0067135

**Phone (386) 754-5555 Fax (386) 719-9899**

[www.erkingerhomes.com](http://www.erkingerhomes.com)

## Roofing Approval Codes:

GAF/ELK	FL183-R1
Owens Corning	FL8642
Tamko	FL1956-R1
Elk	FL728-R1

**CLYATT WELL DRILLING, INC.***(Established in 1971)**Post Office Box 180**Worthington Springs, FL 32697**Phone (386)496-2488 \*\*\* FAX (386)496-4640***WELL DESCRIPTION***DESCRIPTION DATE*

12/10/2007

*CUSTOMER NAME AND ADDRESS*

Erkinger Home Builders  
Attn.: Matthew A. Erkinger  
248 Southeast Nassau Street  
Lake City, Florida 32025

*DESCRIPTION OF WORK*

4" Well and Pump

*DESCRIPTION*

Feet 4" Well  
1 HP Submersible Pump  
1-1/4" Galvanized Drop Pipe  
14/3 Submersible Pump Wire  
81 Gallon Captive Air Tank  
4 X 1-1/4 Well Seal  
Pressure Relief Valve  
Controls and Fittings

THANK YOU FOR YOUR BUSINESS! This document is provided to give a description of the well to be constructed on your behalf. All materials remain the property of Clyatt Well Drilling, Inc., until paid for in full. Clyatt Well Drilling, Inc., does not agree to find or develop water, nor does it represent, warrant or guarantee the quality or kind of water which may be encountered. If it is necessary to install water filters, the owner agrees it is his/her responsibility to pay the cost. Right to repossess is granted if payment for well is not made.

FLORIDA PRODUCT  
APPROVAL # 4904.1



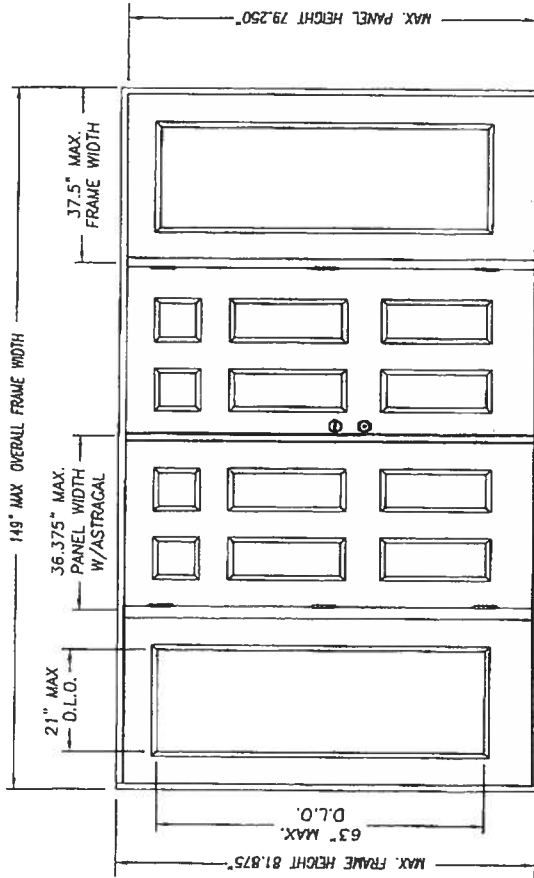
# SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT 6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES

## GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPAQUE PANELS, BUT IS REQUIRED ON GLAZED SIDELITES
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
4. PLASTICS TESTING OF LITE FRAME MATERIAL:

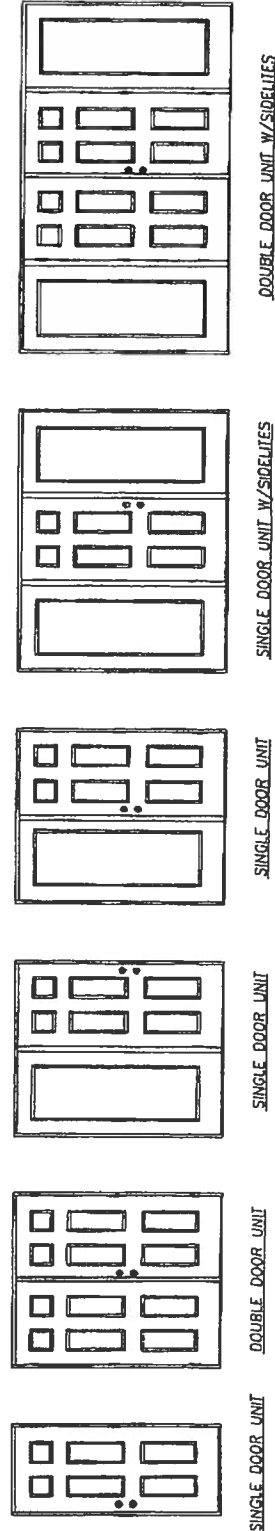
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.46% DIFF

\* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1



DOUBLE INSWING UNIT W/SIDELITES

Admitted to Miami  
Certification No.: NT0006110  
Referenced By: 8/10/05  
Date Permitted: 8/10/05



CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSWING	OUTSWING	INSWING	OUTSWING
X	37.5	+76.0 / -76.0	+76.0 / -76.0	+19.0 / -19.0	+55.0 / -55.0
XX	74	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OX or XO	75	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXO	112.5	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXOX	149	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0

SHEET #	TABLE OF CONTENTS
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

MASONITE INTERNATIONAL CORP.  
7300 REAMES RD.  
CHARLOTTE, NC 28216

PRODUCT:	DOUBLE 6'-8" OPAQUE WOOD-EDGE STEEL DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATIONS & GENERAL NOTES
BY:	REVISIONS
DATE:	NO.

DATE: 7/11/05	SCALE: N.T.S.
DWG. BY: SWS	CHK. BY:
DRAWING NO.: 05	DWG. NO.: 05
SHEET 1 of 3	









# INSTALLATION INSTRUCTIONS FOR ALUMINUM FIN AND FLANGE WINDOWS

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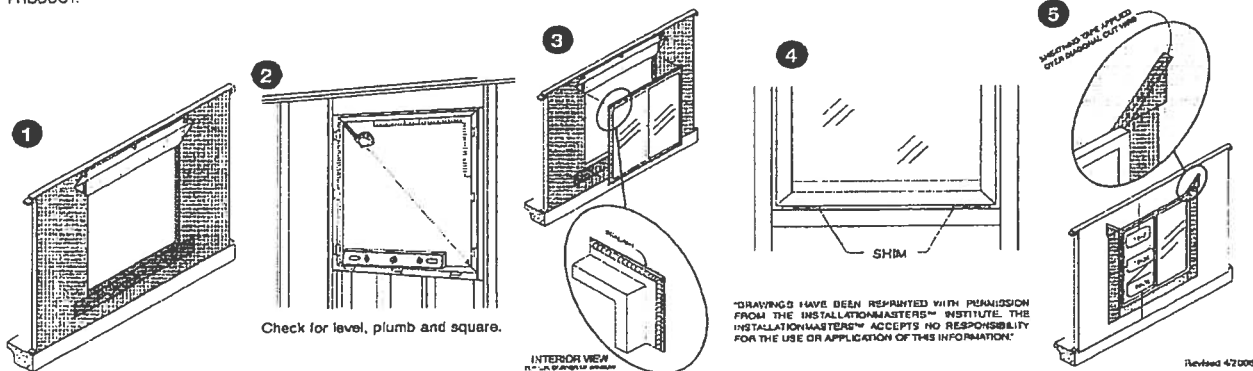
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4. APPLY A CONTINUOUS 3/8" BEAD OF PREMIUM GRADE, COMPATIBLE EXTERIOR SEALANT TO THE INTERIOR (BACKSIDE) OF THE NAIL FIN OR FLANGE NEAR THE OUTSIDE EDGE ON ALL SIDES PRIOR TO SETTING THE WINDOW INTO THE ROUGH OPENING. (SEE FIGURE 3 BELOW)
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## Roofing Approval Codes:

GAF/ELK	FL183-R1
Owens Corning	FL8642
Tamko	FL1956-R1
Elk	FL728-R1



## PRODUCT APPROVAL SPECIFICATION SHEET

**Location:** 262 SW Bloomington Terr.

**Project Name:** Endsien


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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>A. EXTERIOR DOORS</b>			
1. Swinging	Masonite		4904.1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
<b>B. WINDOWS</b>			
1. Single hung	Capitol	Aluminum	0455.4
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			
<b>C. PANEL WALL</b>			
1. Siding	Kaycan	Vinyl	FL 4905
2. Soffits	Kaycan		FL 4899
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
<b>D. ROOFING PRODUCTS</b>			
1. Asphalt Shingles	GAF/ELK		FL 183-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			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
<b>E. SHUTTERS</b>			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
<b>F. SKYLIGHTS</b>			
1. Skylight			
2. Other			
<b>G. STRUCTURAL COMPONENTS</b>			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
<b>H. NEW EXTERIOR ENVELOPE PRODUCTS</b>			
1.			
2.			

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

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

  
 Contractor or Contractor's Authorized Agent Signature

Location

Matthew A. Erking, Sr. 12/13/07  
 Print Name Date

Permit # (FOR STAFF USE ONLY)



# Residential System Sizing Calculation

## Summary

Justin Endsley  
161 SW Discovery PL  
Lake City, FL

Project Title:  
Justin Endsley

Code Only  
Professional Version  
Climate: North

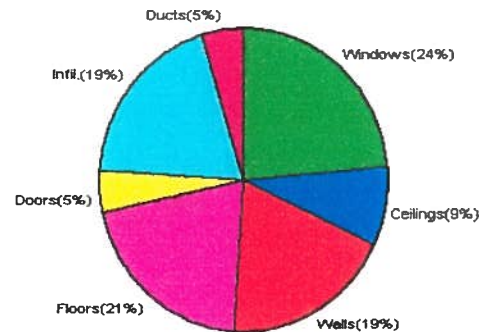
12/4/2007

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
<b>Total heating load calculation</b>	<b>33240 Btuh</b>	<b>Total cooling load calculation</b>	<b>36650 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	126.4 42000	Sensible (SHR = 1)	138.2 42000
Heat Pump + Auxiliary(0.0kW)	126.4 42000	Latent	0.0 0
		Total (Electric Heat Pump)	114.6 42000

## WINTER CALCULATIONS

Winter Heating Load (for 2184 sqft)

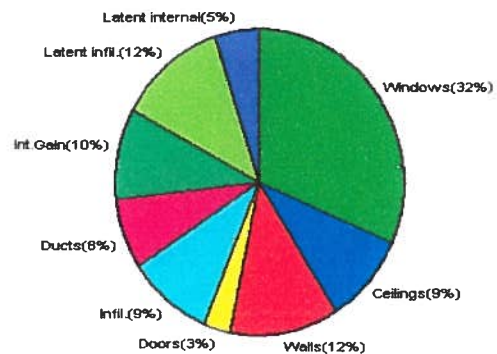
Load component		Load	
Window total	278 sqft	7867	Btuh
Wall total	1808 sqft	6328	Btuh
Door total	84 sqft	1507	Btuh
Ceiling total	2184 sqft	2839	Btuh
Floor total	217 ft	6857	Btuh
Infiltration	146 cfm	6259	Btuh
<b>Subtotal</b>		<b>31657</b>	<b>Btuh</b>
Duct loss		1583	Btuh
<b>TOTAL HEAT LOSS</b>		<b>33240</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 2184 sqft)

Load component		Load	
Window total	278 sqft	11610	Btuh
Wall total	1808 sqft	4520	Btuh
Door total	84 sqft	1070	Btuh
Ceiling total	2184 sqft	3451	Btuh
Floor total		0	Btuh
Infiltration	128 cfm	3370	Btuh
Internal gain		3600	Btuh
<b>Subtotal(sensible)</b>		<b>27621</b>	<b>Btuh</b>
Duct gain		2762	Btuh
<b>Total sensible gain</b>		<b>30383</b>	<b>Btuh</b>
Latent gain(infiltration)		4427	Btuh
Latent gain(internal)		1840	Btuh
<b>Total latent gain</b>		<b>6267</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>36650</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual A

PREPARED BY: *Richard C. Register*

DATE: *12-4-07*

# System Sizing Calculations - Winter

## Residential Load - Component Details

Justin Endsley  
161 SW Discovery PL  
Lake City, FL

Project Title:  
Justin Endsley

Code Only  
Professional Version  
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

12/4/2007

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	E	146.0	28.3	4132 Btuh
2	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
3	2, Clear, Metal, DEF	W	117.0	28.3	3311 Btuh
Window Total					7867 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1808	3.5	6328 Btuh
Wall Total					6328 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		84	17.9	1507 Btuh
Door Total					1507 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2184	1.3	2839 Btuh
Ceiling Total					2839 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	217.0 ft(p)	31.6	6857 Btuh
Floor Total					6857 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	21840(sqft)	146	6259 Btuh
	Mechanical			0	0 Btuh
Infiltration Total					6259 Btuh

<b>Totals for Heating</b>	<b>Subtotal</b>	<b>31657 Btuh</b>
	<b>Duct Loss(using duct multiplier of 0.05)</b>	<b>1583 Btuh</b>
	<b>Total Btuh Loss</b>	<b>33240 Btuh</b>

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 )

# System Sizing Calculations - Summer

## Residential Load - Component Details

Justin Endsley  
161 SW Discovery PL  
Lake City, FL

Project Title:  
Justin Endsley

Code Only  
Professional Version  
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 12/4/2007

Window	Type	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, B, N	E	1.5	8	146.0	22.7	123.3	17	48	6304 Btuh
2	2, Clear, DEF, B, N	S	1.5	8	15.0	15.0	0.0	17	26	255 Btuh
3	2, Clear, DEF, B, N	W	1.5	8	117.0	18.2	98.8	17	48	5052 Btuh
Window Total					278					11610 Btuh
Walls 1	Type	R-Value			Area		HTM		Load	
	Frame - Exterior	11.0			1808.0		2.5		4520 Btuh	
	Wall Total				1808.0				4520 Btuh	
Doors 1	Type	R-Value			Area		HTM		Load	
	Wood - Exter				84.0		12.7		1070 Btuh	
	Door Total				84.0				1070 Btuh	
Ceilings 1	Type/Color	R-Value			Area		HTM		Load	
	Under Attic/Dark	30.0			2184.0		1.6		3451 Btuh	
	Ceiling Total				2184.0				3451 Btuh	
Floors 1	Type	R-Value			Size		HTM		Load	
	Slab-On-Grade Edge Insulation	0.0			217.0 ft(p)		0.0		0 Btuh	
	Floor Total				217.0				0 Btuh	
Infiltration	Type	ACH			Volume		CFM=		Load	
	Natural	0.35			21840		127.7		3370 Btuh	
	Mechanical						0		0 Btuh	
	Infiltration Total						128		3370 Btuh	

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	8	X 300 +	1200		

Totals for Cooling	Subtotal	27621 Btuh
	Duct gain(using duct multiplier of 0.10)	2762 Btuh
	Total sensible gain	30383 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	4427 Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		36650 Btuh

Key: Window types (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/Daperies(B) or Roller Shades(R))  
(ExSh - Exterior shading device: none(N) or numerical value)  
(Ornt - compass orientation)

# New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

26547

**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.

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

Company Name: Aspen Pest Control, Inc.  
Company Address: P.O. Box 1785 City Lake City State FL Zip 32826  
Company Business License No. JB103476 Company Phone No. 282-722-2811 • 282-484-5751  
FHA/VA Case No. (if any) \_\_\_\_\_

## Section 2: Builder Information

Company Name: Erkiner Home Builders Company Phone No. \_\_\_\_\_

## Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 262 SW Bloomington Terrace, Lake City, FL  
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other \_\_\_\_\_  
Approximate Depth of Footing: Outside \_\_\_\_\_ Inside \_\_\_\_\_ Type of Fill \_\_\_\_\_

## Section 4: Treatment Information

Date(s) of Treatment(s) 3-10-04  
Brand Name of Product(s) Used Bor-Bor  
EPA Registration No. 72304-10  
Approximate Final Mix Solution % 1.2%  
Approximate Size of Treatment Area: Sq. ft. 2432 Linear ft. \_\_\_\_\_ Linear ft. of Masonry Voids \_\_\_\_\_  
Approximate Total Gallons of Solution Applied 5  
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 Treated all walls

Name of Applicator(s) Steve Brennan Certification No. (if required by State law) JB103476

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 Brennan Date 3-10-04

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

26547

**Mark Disosway, P.E.**

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

March 13, 2008

Attn: John Kerce  
Columbia County Building Department  
PO Box 1529  
Lake City, FL 32056-1529

Re: Framing Inspection: Erkinger Builders / Endsley Residence / 161 SW Discovery Place, Columbia Co., FL / Permit # 26-547

Dear Building Inspector:

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

- The hurricane strap installer did not install any strapping in the upper portion of the left / front gable end wall.
  - This is ok because the roof outlookers are attached to the load-bearing gable end truss. The gable end truss is set inside of the balloon framed gable end wall, with hurricane strapping at each end. Because of this, the roof uplift loads are transferred to the perpendicular wall, requiring no additional uplift strapping of the gable end wall.



Mark Disosway, PE  
Florida Registered Professional Engineer

Mark Disosway

# COLUMBIA COUNTY FLORIDA SALVAGE

## 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 22-5S-17-09340-016

Building permit No. 000026547

Use Classification SFD/UTILITY

Fire: 25.68

Permit Holder MATTHEW ERKINGER, SR.

Waste: 67.00

Owner of Building JUSTIN ENDSLEY

Total: 92.68

Location: 262 SW BLOOMINGTON TERR, LAKE CITY, FL

Date: 06/02/2008

*John A. W.*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)