

ek 1252 5-7610 left 2/2/07 MESSAGE

Columbia County Building Permit Application

For Office Use Only Application # 0701-84 Date Received 1-22-07 By G Permit # 1317/25491
Application Approved by - Zoning Official BLK Date 02.02.07 Plans Examiner OKJTH Date 1-31-07
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments
NOC [checked] EH [checked] Deed or PA [] Site Plan [] State Road Info [] Parent Parcel # [] Development Permit []
Fax 386-466-1876

Name Authorized Person Signing Permit Stephen D. Morgan Phone 386-623-5541
Address 175 S.W. Lancelot Glen Lake City FL 32024

Owners Name Leroy & Barbara Lender Phone 386-792-1162
911 Address 300 N.W. Joland Lane Lake City FL 32055

Contractors Name Fred Perry's Quality Construction Phone (386) 752-2832
Address 615 SW. Sabre Ave. Lake City FL 32025

Fee Simple Owner Name & Address
Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Tim Delbene 192 SW Sagewood Cir Lake City FL 32024
Mark Disosway P.O. Box 868 Lake City FL 32056

Mortgage Lenders Name & Address GTE Federal Credit Union 711 E Henderson Ave. Tampa FL

Circle the correct power company - [FL Power & Light] - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 14-35-16-02120-001 Estimated Cost of Construction
Subdivision Name N/A Lot Block Unit Phase

Driving Directions Take 41 North to Moore Road - Turn (L) - go 1.5 miles. Turn (L) on Joland Lane Go 300 yards - House on (R) in open field.

Type of Construction New Home Wood Frame Brick Veneer Number of Existing Dwellings on Property 0
Total Acreage 2.00 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 150' Side 64' 5" Side 64' 5" Rear 227'
Total Building Height 21' 0" Number of Stories 1 Heated Floor Area 1799 Roof Pitch 6/12
701AL 2611

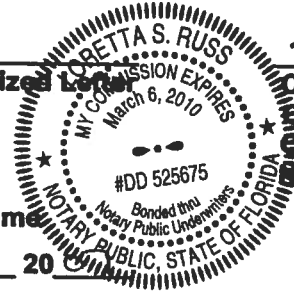
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction.

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.

Owner Builder or Authorized Person by Notarized [Signature] Contractor Signature [Signature]

STATE OF FLORIDA COUNTY OF COLUMBIA Sworn to (or affirmed) and subscribed before me this 22 day of Jan 20
Personally known [checked] or Produced Identification
Notary Signature [Signature] (Revised Sept. 2006)



Columbia County Building Department Culvert Permit

Culvert Permit No. 000001317

DATE 02/05/2007 PARCEL ID # 14-3S-16-02120-001

APPLICANT STEPHEN MORGAN PHONE 386-623-5541

ADDRESS 175 SW LANCELOT GLEN LAKE CITY FL 32024

OWNER LEROY & BARBARA LENDER PHONE 386-792-1162

ADDRESS 300 NW JOLAND LANE LAKE CITY FL 32024

CONTRACTOR FRED PERRY PHONE 752-2832

LOCATION OF PROPERTY 41 NORTH L MOORE RD, L ON JOLAND LN, 300 YARDS HOUSE ON
THE RIGHT IN OPEN FIELD

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

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 INSTALATION 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



AFFIDAVIT OF SUBDIVIDED REAL PROPERTY
FOR USE OF IMMEDIATE FAMILY MEMBERS
FOR PRIMARY RESIDENCE

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

Ronalds. & Margie E. Dukes, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Leroy Linder, jr, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as SON, and both individuals being first duly sworn according to law, depose and say:

1. Both the Owner and the Family Member have personal knowledge of all matters set forth in this Affidavit.
2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. R02120-000.
3. The Owner has divided his parent parcel for use of immediate family members for their primary residence and the parcel divided and the remaining parent parcel are at least ½ acre in size. Immediate family is defined as grandparent, parent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.
4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 14-35-16-02120-001.
5. No person or entity other than the Owner and Family Member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the Property.
6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for a family member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations.

7. This Affidavit is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the information contained in this Affidavit are true and correct.

[Signature]
Owner(s)

[Signature]
Family Member

Ronald S. Duke, Margie E. Duke
Typed or Printed Name

Leroy Linder Jr.
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 2nd day of February, 2007, by Ronald S. & Margie E. Duke (Owner) who is personally known to me or has produced Driver's License as identification.

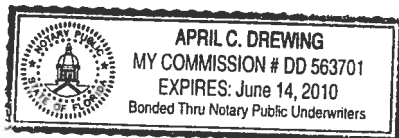
[Signature]
Notary Public

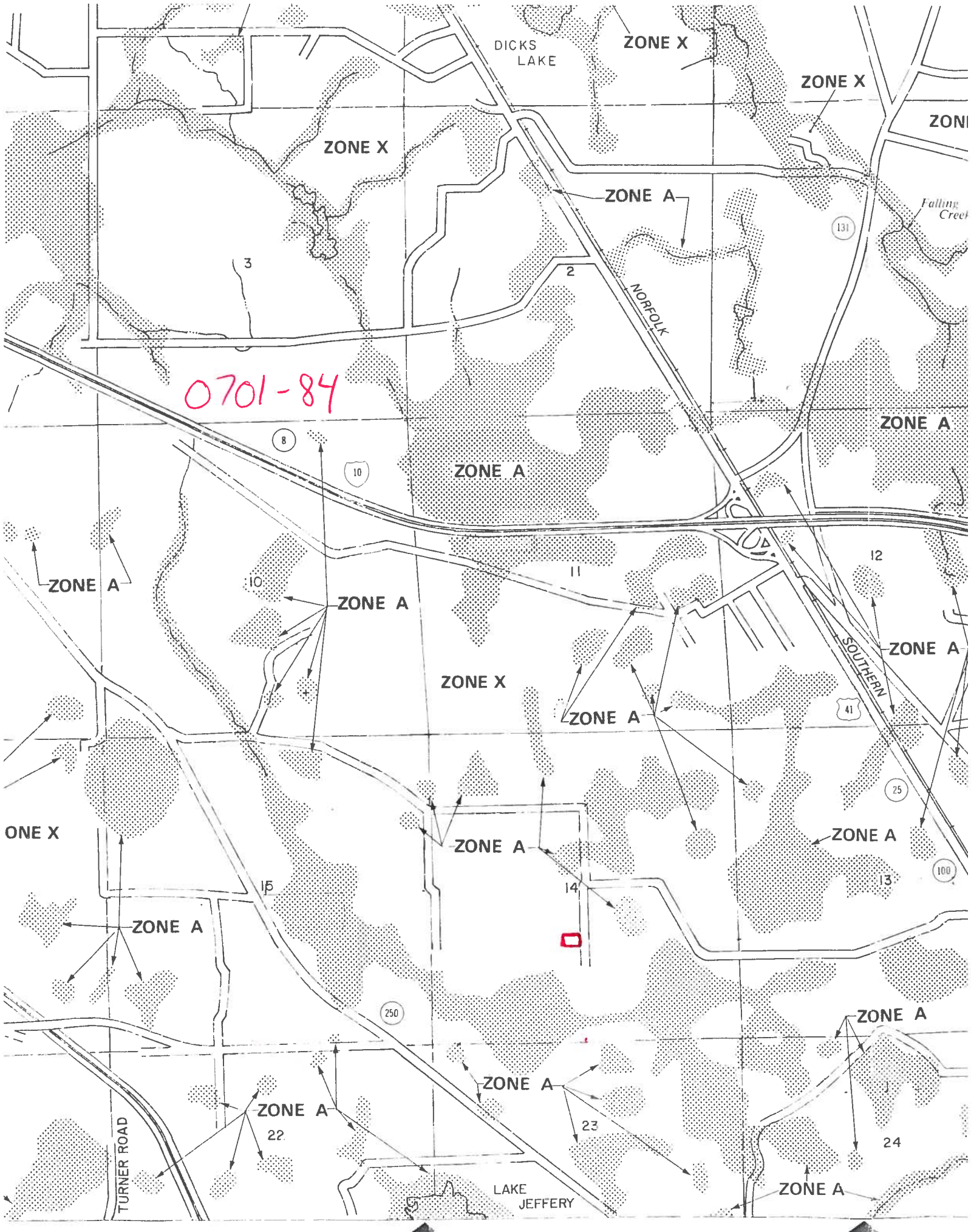
APRIL DREWING



Subscribed and sworn to (or affirmed) before me this 2nd day of February, 2007, by Leroy Linder Jr. (Family Member) who is personally known to me or has produced driver's license as identification.

[Signature]
Notary Public





0701-84

DICKS LAKE

ZONE X

ZONE X

ZONE X

ZONE X

ZONE A

Falling Creek

3

2

NORFOLK

131

ZONE A

ZONE A

10

ZONE A

10

ZONE A

11

ZONE X

ZONE A

41

ZONE A

12

ONE X

ZONE A

ZONE A

25

100

ZONE A

15

14

13

250

ZONE A

ZONE A

TURNER ROAD

ZONE A

22

ZONE A

23

LAKE JEFFERY

ZONE A

24

@ HG255 00 S CamaUSA Appraisal System
 1/22/2007 Assessment Maintenance
 2007 R 14-3S-16-02120-001 ... I
 LINDER LEROY II & BARBARA A

Columbia Coun
 LAND 0
 IMPR 0
 ASSESSED 0
 EXEMPT 0
 TAXABLE 0

USE 9900 NO AG ACREAGE TX DIST 003 MORT 0000000 RENEWAL NOTICE

EX CODE	EXEMPT VALUE %	TAX CODE	TAX UNITS	TYPE	NEW CONST	NOTICE
#1		#1			DEMOLITION	
#2		#2			LAND UT/UTS	0
#3		#3			ACREAGE	
#4		#4			BLDG UNITS	
#5		#5			BLDG YY/EXW	
Retain Cap? N HX Appl YY		#Owners		#Claims	ANNEXATION	0
LAND VALUE	0	XFOB VALUE			BACKTAX YR	0000
AG/CONS VAL	0	BLDG VALUE			JUST VALUE	0
MKT AG/CONS	0	INCM VALUE			CLASS VALUE	0
					SOH DIFF	0

YEAR	LAND	XFOB	BLDG	ASSESSED *	EXEMPT	TAXABLE
0000	0	0	0	0	0	0
0000	0	0	0	0	0	0

F2=Ex/Tx F3=Exit F4=Prompt F12=Cancel F20=Notes F22=Print F24=AsReCalc
 ENTER PARCEL NUMBER AND ACTION THRE 20070112

Prepared by or under the supervision of:

Diane Jackson
[Name of Natural Person]

GTE Federal Credit Union
711 East Henderson Avenue
[Street Address]

Tampa, FL 33602

[City, State Zip Code]

After recording please return to:

GTE Federal Credit Union
[Company Name]

Diane Jackson
[Name of Natural Person]

711 E. Henderson Avenue
[Street Address]

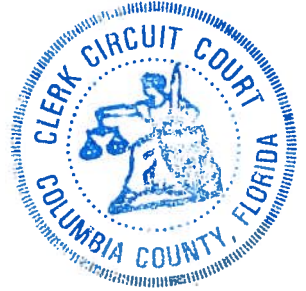
Tampa, FL 33602
[City, State Zip Code]

ATS#: 30335

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By Sharon Feagly
Deputy Clerk

Date 1-03-2007



Inst:2007000124 Date:01/03/2007 Time:10:55
S. F. DC, P. DeWitt Cason, Columbia County B:1106 P:1918

[Space Above This Line For Recording Data]

Permit No. _____

Tax Folio No. _____

Loan No.: 30118

NOTICE OF COMMENCEMENT (Florida)

THE STATE OF FLORIDA }

COUNTY OF **Columbia** }

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

1. Description of property: **** SEE ATTACHMENT for LEGAL DESCRIPTION ****



2. Street address of property: 226 NW JOLAND WAY, LAKE CITY, FL 32055

3. General description of improvement(s): Single Family Dwelling

4. Owner(s) name: Barbara A Linder and Leroy Linder II

Owner(s) address: 11508 NE 35TH TRAIL, JASPER, FL 32052

Owner(s) telephone: (386) 792-1162

Owner(s) interest in the property: fee simple leasehold other

Name and address of fee simple title holder (if other than Owner): _____

5. Contractor's name: Fred Perry's Quality Construction

Contractor's address: 615 SW Saber Avenue, Lake City, FL 32024

Contractor's telephone: 386-623-5540

6. Surety's name: _____

Surety's address: _____

Amount of bond: \$ (copy attached) Surety's telephone:
Fax number: ("optional, if service by fax is acceptable")

7. Lender's name: GTE Federal Credit Union

Lender's address: 711 E. Henderson Avenue, Tampa, FL 33602

Lender's telephone: (813) 871-2690 Fax number: (813) 414-8555
("optional, if service by fax is acceptable")

Inst:2007000124 Date:01/03/2007 Time:10:55
_____DC,P.DeWitt Cason,Columbia County B:1106 P:1919



8. Names and addresses of persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided in Section 713.13(1)(a)(7), Florida Statutes: _____

Telephone number:

Fax number:

("optional, if service by fax is acceptable")

9. In addition to himself or herself, Owner designates **GTE Federal Credit Union of 711 E. Henderson Avenue, Tampa, FL 33602** to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b), Florida Statutes.

Telephone number: (813) 871-2690

Fax number: (813) 414-8555

("optional, if service by fax is acceptable")

10. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified):

Barbara A. Linder 12/29/06
Barbara A Linder (Owner)(Date)

Leroy Linder II 12/29/06
Leroy Linder II (Owner)(Date)

(Owner)(Date)

(Owner)(Date)

[Space Below This Line For Acknowledgment]

SWORN TO AND SUBSCRIBED BEFORE ME this 29th day of December, 2006



Notary Public [Signature]
My commission expires: _____

Inst:2007000124 Date:01/03/2007 Time:10:55
DC,P.Dewitt Cason,Columbia County B:1106 P:1920



ATS #30335

Exhibit "A"

Commence at the Southeast corner of the Northeast Quarter of the Southwest Quarter of Section 14, Township 3 South, Range 16 East, Columbia County, Florida, and run North 01°11'08" West, along the East line of said NE ¼ of SW ¼ of Section 14, a distance of 331.80 feet to the Point of Beginning; thence South 89°31'31" West, along the North line of the South 10 acres of the NE ¼ of SW ¼ of Section 14, a distance of 417.42 feet; thence North 01°11'08" West, along a line parallel to the East line of the NE ¼ of SW ¼ of Section 14, a distance of 208.71 feet; thence North 89°31'31" East, along a line parallel to the North line of the South 10 acres of the NE ¼ of SW ¼ of Section 14, a distance of 417.42 feet to a point on the East line of the NE ¼ of SW ¼ of Section 14; thence South 01°11'08" East, along said East line of the NE ¼ of SW ¼ of Section 14, a distance of 208.71 feet to the Point of Beginning.

Inst:2007000124 Date:01/03/2007 Time:10:55

DC,P.DeWitt Cason,Columbia County B:1106 P:1921



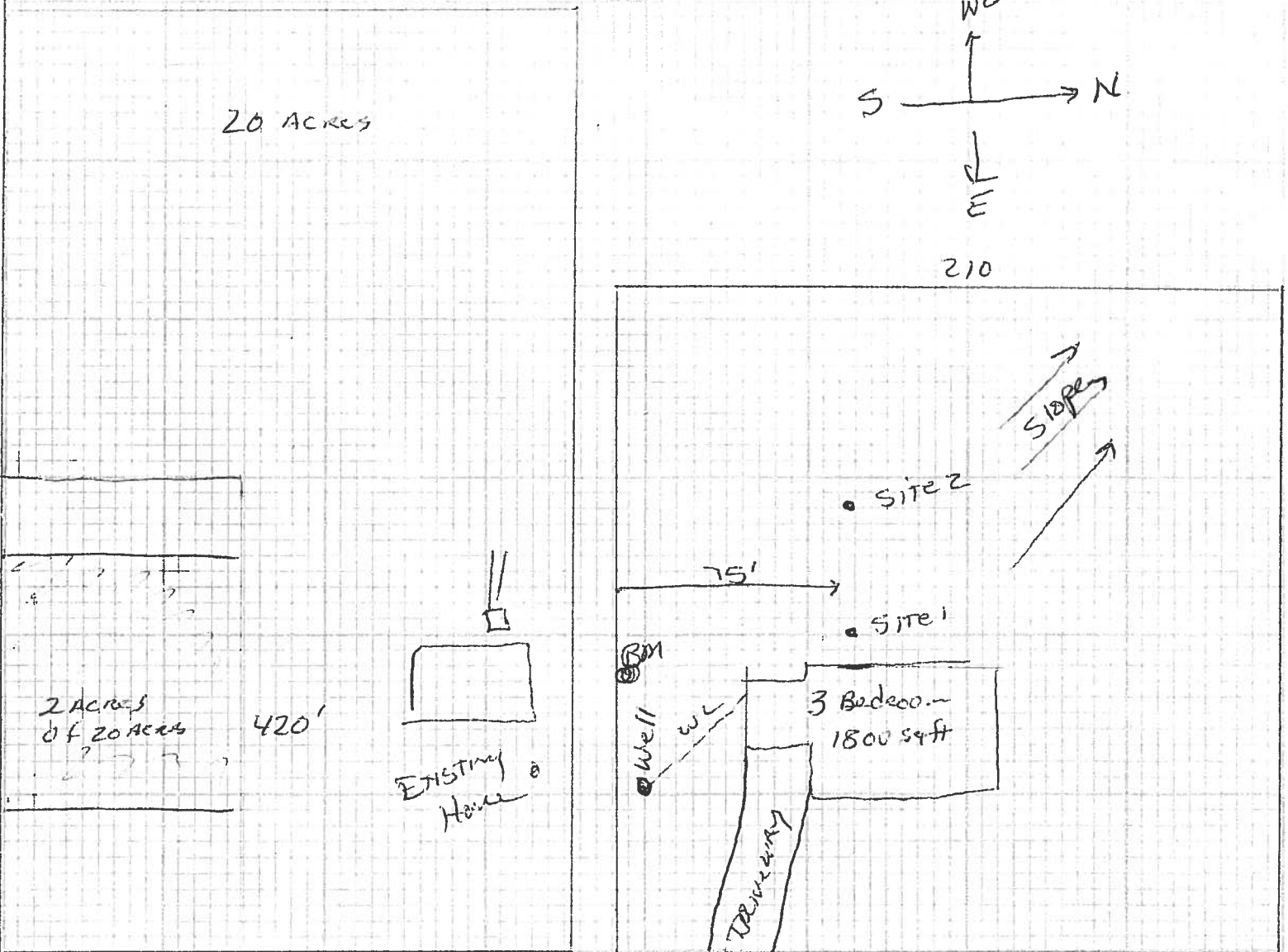
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-00015N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: 210' To Landway 210'
1 AC OF THE 2-AC OUTPARCEL OF 20 AC.

Site Plan submitted by: Robert W. Ford Signature _____ Title _____
 Plan Approved **APPROVED** Not Approved _____ Date 1/9/07
 By [Signature]

Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

RON E. BIAS WELL DRILLING

Route 2, Box 5340
Ft. White, Florida 32038
(904) 497-1645
Mobile: 364-9233

No. _____

Date _____

Name _____

Address _____

Phone _____

Dia.

DESCRIPTION

4" deep well down to 100ft.
Constant Pressure system
1" Ho. Sub pump. 80' Yellow tank
395 feet - 35 gallon draw down
1/4" dump system check valve
7 backflow preventer
20 gallon P.W. system
(SPW not permitted)

Total _____

Deposit _____

Balance _____

Thanks.

Date Wanted _____

Authorized By R. E. Bias

Received By _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Lender Residence Address: Joland Lane City, State: Lake City, FL 32055- Owner: Leroy Lender Climate Zone: North	Builder: F. Perry Permitting Office: Columbia Co Permit Number: Jurisdiction Number: 121000
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<p>1. New construction or existing New <input type="checkbox"/></p> <p>2. Single family or multi-family Single family <input type="checkbox"/></p> <p>3. Number of units, if multi-family 1 <input type="checkbox"/></p> <p>4. Number of Bedrooms 3 <input type="checkbox"/></p> <p>5. Is this a worst case? No <input type="checkbox"/></p> <p>6. Conditioned floor area (ft²) 1799 ft² <input type="checkbox"/></p> <p>7. Glass area & type Single Pane <input type="checkbox"/> Double Pane <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Clear glass, default U-factor 0.0 ft² <input type="checkbox"/> 230.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">b. Default tint 0.0 ft² <input type="checkbox"/> 0.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">c. Labeled U or SHGC 0.0 ft² <input type="checkbox"/> 0.0 ft² <input type="checkbox"/></p> <p>8. Floor types <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Slab-On-Grade Edge Insulation R=0.0, 196.0(p) ft <input type="checkbox"/></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 <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Frame, Wood, Exterior R=13.0, 1688.0 ft² <input type="checkbox"/></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 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 <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Under Attic R=30.0, 1799.0 ft² <input type="checkbox"/></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 <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 15.0 ft <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p>	<p>12. Cooling systems <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Central Unit Cap: 35.0 kBtu/hr <input type="checkbox"/> SEER: 14.00 <input type="checkbox"/></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 <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Electric Heat Pump Cap: 35.0 kBtu/hr <input type="checkbox"/> HSPF: 7.90 <input type="checkbox"/></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 <input type="checkbox"/></p> <p style="margin-left: 20px;">a. Electric Resistance Cap: 30.0 gallons <input type="checkbox"/> EF: 0.90 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. Conservation credits <input type="checkbox"/> (HR-Heat recovery, Solar DHP-Dedicated heat pump)</p> <p>15. HVAC credits PT, CF, <input type="checkbox"/> (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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Glass/Floor Area: 0.13	Total as-built points: 23273 Total base points: 27939	PASS
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I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Tim Delbene


DATE: 1/16/07

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: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Joland Lane, Lake City, FL, 32055-

PERMIT #:

BASE	AS-BUILT
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area	Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points
.18 1799.0 20.04 6489.4	Double, Clear N 2.0 5.0 6.0 19.20 0.87 100.3 Double, Clear E 2.0 8.0 68.0 42.06 0.91 2610.7 Double, Clear E 8.0 8.0 36.0 42.06 0.52 784.1 Double, Clear SW 2.0 8.0 20.0 40.16 0.89 710.9 Double, Clear W 2.0 8.0 20.0 38.52 0.91 703.7 Double, Clear W 14.0 9.0 30.0 38.52 0.44 511.1 Double, Clear W 2.0 8.0 30.0 38.52 0.91 1055.6 Double, Clear NW 5.0 8.0 20.0 25.97 0.73 380.4
	As-Built Total: 230.0 6856.8
WALL TYPES Area X BSPM = Points	Type R-Value Area X SPM = Points
Adjacent 0.0 0.00 0.0	Frame, Wood, Exterior 13.0 1688.0 1.50 2532.0
Exterior 1688.0 1.70 2869.6	
Base Total: 1688.0 2869.6	As-Built Total: 1688.0 2532.0
DOOR TYPES Area X BSPM = Points	Type Area X SPM = Points
Adjacent 21.0 2.40 50.4	Exterior Insulated 21.0 4.10 86.1
Exterior 21.0 6.10 128.1	Adjacent Insulated 21.0 1.60 33.6
Base Total: 42.0 178.5	As-Built Total: 42.0 119.7
CEILING TYPES Area X BSPM = Points	Type R-Value Area X SPM X SCM = Points
Under Attic 1799.0 1.73 3112.3	Under Attic 30.0 1799.0 1.73 X 1.00 3112.3
Base Total: 1799.0 3112.3	As-Built Total: 1799.0 3112.3
FLOOR TYPES Area X BSPM = Points	Type R-Value Area X SPM = Points
Slab 196.0(p) -37.0 -7252.0	Slab-On-Grade Edge Insulation 0.0 196.0(p) -41.20 -8075.2
Raised 0.0 0.00 0.0	
Base Total: -7252.0	As-Built Total: 196.0 -8075.2
INFILTRATION Area X BSPM = Points	Area X SPM = Points
1799.0 10.21 18367.8	1799.0 10.21 18367.8

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Joland Lane, Lake City, FL, 32055-	PERMIT #:
---	-----------

BASE			AS-BUILT					
Summer Base Points: 23765.5			Summer As-Built Points: 22913.4					
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier <small>(DM x DSM x AHU)</small>	X System Multiplier	X Credit Multiplier	= Cooling Points
23765.5	0.4266	10138.4	22913.4 22913.4	1.000 1.00	<small>(1.090 x 1.147 x 1.00)</small> 1.250	0.244 0.244	0.902 0.902	6302.8 6302.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Joland Lane, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1799.0	12.74	4125.5	Double, Clear	N	2.0	5.0	6.0	24.58	1.01	148.4
				Double, Clear	E	2.0	8.0	68.0	18.79	1.04	1323.3
				Double, Clear	E	8.0	8.0	36.0	18.79	1.29	869.8
				Double, Clear	SW	2.0	8.0	20.0	16.74	1.06	354.9
				Double, Clear	W	2.0	8.0	20.0	20.73	1.02	424.3
				Double, Clear	W	14.0	9.0	30.0	20.73	1.21	750.7
				Double, Clear	W	2.0	8.0	30.0	20.73	1.02	636.4
				Double, Clear	NW	5.0	8.0	20.0	24.30	1.02	494.2
				As-Built Total:				230.0	5002.1		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1688.0	3.40		5739.2	
Exterior	1688.0	3.70	6245.6								
Base Total:	1688.0		6245.6	As-Built Total:			1688.0	5739.2			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	21.0	11.50	241.5	Exterior Insulated			21.0	8.40		176.4	
Exterior	21.0	12.30	258.3	Adjacent Insulated			21.0	8.00		168.0	
Base Total:	42.0		499.8	As-Built Total:			42.0	344.4			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1799.0	2.05	3687.9	Under Attic	30.0		1799.0	2.05 X 1.00		3687.9	
Base Total:	1799.0		3687.9	As-Built Total:			1799.0	3687.9			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	196.0(p)	8.9	1744.4	Slab-On-Grade Edge Insulation	0.0		196.0(p)	18.80		3684.8	
Raised	0.0	0.00	0.0								
Base Total:			1744.4	As-Built Total:			196.0	3684.8			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
	1799.0	-0.59	-1061.4				1799.0	-0.59		-1061.4	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Joland Lane, Lake City, FL, 32055-	PERMIT #:
---	-----------

BASE				AS-BUILT											
Winter Base Points:		15241.8		Winter As-Built Points:			17397.1								
Total Winter Points	X	System Multiplier	=	Heating Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	=	Heating Points
				(DM x DSM x AHU)											
15241.8		0.6274		9562.7	<small>17397.1</small> 17397.1		<small>1.000</small> 1.00		<small>(1.069 x 1.169 x 1.00)</small> 1.250		<small>0.432</small> 0.432		<small>0.950</small> 0.950		<small>8915.0</small> 8915.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Joland Lane, Lake City, FL, 32055-	PERMIT #:
---	-----------

BASE	AS-BUILT
WATER HEATING	
Number of Bedrooms X Multiplier = Total	Tank Volume EF Number of Bedrooms X Tank X Multiplier X Credit = Total Multiplier
3 2746.00 8238.0	30.0 0.90 3 1.00 2684.98 1.00 8054.9
	As-Built Total: 8054.9

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
10138		9563		8238		27939	6303		8915		8055		23273

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Joland Lane, Lake City, FL, 32055-

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.	N/A
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%.	N/A
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.	✓

ATS #30335

Exhibit "A"

Commence at the Southeast corner of the Northeast Quarter of the Southwest Quarter of Section 14, Township 3 South, Range 16 East, Columbia County, Florida, and run North 01°11'08" West, along the East line of said NE ¼ of SW ¼ of Section 14, a distance of 331.80 feet to the Point of Beginning; thence South 89°31'31" West, along the North line of the South 10 acres of the NE ¼ of SW ¼ of Section 14, a distance of 417.42 feet; thence North 01°11'08" West, along a line parallel to the East line of the NE ¼ of SW ¼ of Section 14, a distance of 208.71 feet; thence North 89°31'31" East, along a line parallel to the North line of the South 10 acres of the NE ¼ of SW ¼ of Section 14, a distance of 417.42 feet to a point on the East line of the NE ¼ of SW ¼ of Section 14; thence South 01°11'08" East, along said East line of the NE ¼ of SW ¼ of Section 14, a distance of 208.71 feet to the Point of Beginning.

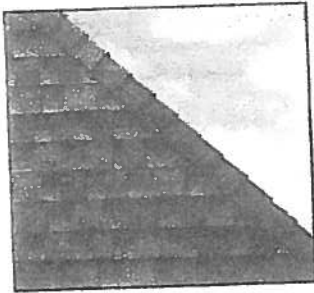
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DC, P. Dewitt Cason, Columbia County B:1106 P:1921

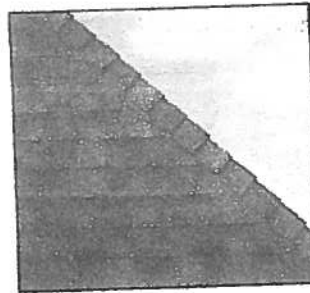


ELK

ROOFING PRODUCTS SPECIFICATIONS - TUSCALOOSA, AL



PRESTIQUE® HIGH DEFINITION®



RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size _____ 13¼" x 39¾"
 Exposure _____ 5¾"
 Pieces/Bundle _____ 16
 Bundles/Square _____ 4/98.5 sq.ft.
 Squares/Pallet _____ 11

50-year limited warranty period:
 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

Raised Profile

Product size _____ 13¼" x 38¾"
 Exposure _____ 5¾"
 Pieces/Bundle _____ 22
 Bundles/Square _____ 3/100 sq.ft.
 Squares/Pallet _____ 16

30-year limited warranty period:
 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.

Prestique I *High Definition*

Product size _____ 13¼" x 39¾"
 Exposure _____ 5¾"
 Pieces/Bundle _____ 16
 Bundles/Square _____ 4/98.5 sq.ft.
 Squares/Pallet _____ 14

40-year limited warranty period:
 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
 Exposure: 6¾"
 Pieces/Bundle: 45
 Coverage: 4 Bundles =
 100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13" x 13¼"
 Exposure: 9¼"
 Pieces/Box: 26
 Coverage: 5 boxes =
 100 linear feet

Prestique *High Definition*

Product size _____ 13¼" x 38¾"
 Exposure _____ 5¾"
 Pieces/Bundle _____ 22
 Bundles/Square _____ 3/100 sq.ft.
 Squares/Pallet _____ 16

30-year limited warranty period:
 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.

Elk Starter Strip

52 Bundles/Pallet
 18 Pallets/Truck
 936 Bundles/Truck
 19 Pieces/Bundle
 1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakerwood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood.
 Gallery Collection: Balsam Forest™, Weathered Sage™, Sierra Sunset™.

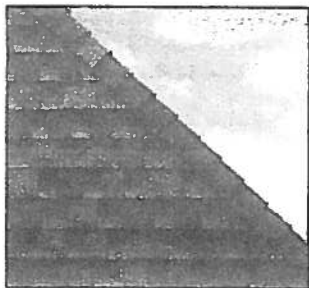
All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

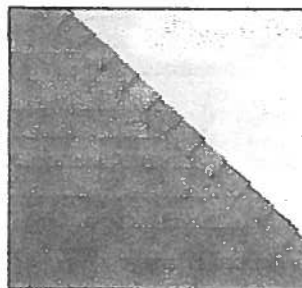
All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 188 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, NCBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.
 ** Effective January 1, 2004, the seven year non-prorated Unavailable Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for each product. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MD, KS, CO, UT, WY, & OR.
 ***For a limited Wind Warranty up to 110 mph for Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE®

**Prestique Plus High Definition
and Prestique Gallery Collection™**

Product size _____ 13½" x 39½"
Exposure _____ 5½"
Pieces/Bundle _____ 16
Bundles/Square _____ 4/98.5 sq.ft.
Squares/Pallet _____ 11

50-year limited warranty period:
5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

Raised Profile

Product size _____ 13½" x 38½"
Exposure _____ 5½"
Pieces/Bundle _____ 22
Bundles/Square _____ 3/100 sq.ft.
Squares/Pallet _____ 16

30-year limited warranty period:
5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.

Prestique I High Definition

Product size _____ 13½" x 39½"
Exposure _____ 5½"
Pieces/Bundle _____ 16
Bundles/Square _____ 4/98.5 sq.ft.
Squares/Pallet _____ 14

40-year limited warranty period:
5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6½"
Pieces/Bundle: 45
Coverage: 4 Bundles =
100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13" x 13½"
Exposure: 9½"
Pieces/Box: 26
Coverage: 5 boxes =
100 linear feet

Prestique High Definition

Product size _____ 13½" x 38½"
Exposure _____ 5½"
Pieces/Bundle _____ 22
Bundles/Square _____ 3/100 sq.ft.
Squares/Pallet _____ 16

30-year limited warranty period:
5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shalwood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood. Gallery Collection: Balsam Forest™, Weathered Sage™, Sierra Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard™ treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3818, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.

** Effective January 1, 2004, the seven year non-prorated Underlayment Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for each product. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MD, KS, CO, UT, WY, & OR.

***For a Limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

Section	Width (ft)	Panel Type	Center Stille Location (Measured from Left Edge)	Max Design Loads Allowed	
				Positive (PSF)	Negative (PSF)
8'0"	8'0"	Long	48,000	25.5	30.1
8'2"	8'2"	Long	49,000	25.0	29.5
8'4"	8'4"	Long	50,000	24.5	28.9
8'6"	8'6"	Long	51,000	24.0	28.3
8'8"	8'8"	Long	52,000	23.6	27.8
8'10"	8'10"	Long	53,000	23.1	27.3
9'0"	9'0"	Long	54,000	22.8	26.9

TABLE 4

DOOR HEIGHT	TRACK ATTACHMENT							SPUCE
	A	B	C	D	E	F	G	
7'0"								70"
7'6"								76"
8'0"								88"
8'6"								100"
9'0"								106"
9'6"								112"
10'0"								118"
10'6"								124"
11'0"								130"
11'6"								136"
12'0"								142"
12'6"								148"
13'0"								154"
13'6"								160"

TABLE 3

DOOR HEIGHT	SECTION HEIGHTS							
	#8	#7	#6	#5	#4	#3	#2	#1
6'6"	18"	18"	18"	18"	18"	18"	18"	21"
7'0"	18"	18"	18"	18"	18"	18"	18"	21"
7'6"	18"	18"	18"	18"	18"	18"	18"	21"
8'0"	18"	18"	18"	18"	18"	18"	18"	21"
8'6"	18"	18"	18"	18"	18"	18"	18"	21"
9'0"	18"	18"	18"	18"	18"	18"	18"	21"
9'6"	18"	18"	18"	18"	18"	18"	18"	21"
10'0"	18"	18"	18"	18"	18"	18"	18"	21"
10'6"	18"	18"	18"	18"	18"	18"	18"	21"
11'0"	18"	18"	18"	18"	18"	18"	18"	21"
11'6"	18"	18"	18"	18"	18"	18"	18"	21"
12'0"	18"	18"	18"	18"	18"	18"	18"	21"
12'6"	18"	18"	18"	18"	18"	18"	18"	21"
13'0"	18"	18"	18"	18"	18"	18"	18"	21"
13'6"	18"	18"	18"	18"	18"	18"	18"	21"

TABLE 2

9'6"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
10'0"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
10'6"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
11'0"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
11'6"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
12'0"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
12'6"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
13'0"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"
13'6"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	118 1/4"	144 1/4"	166 1/2"

9x7 & 16x7



**AAMA/NWDA 101/L.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650

TYPE: Aluminum Picture Window

Title of Test	Results
Rating	F-R45 60 x 80
Overall Design Pressure	+45.0 psf -47.2 psf
Air Infiltration	0.04 cfm/ft ²
Water Resistance	8.25 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41135.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.



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: 01-41135.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATT) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650, aluminum picture window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a F-R45 60 x 80 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

Type: Aluminum Picture Window

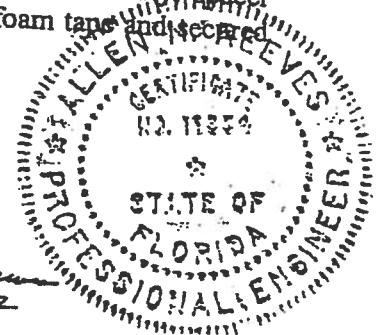
Overall Size: 5' 0" wide by 6' 8" high

Daylight Opening Size: 4' 9-1/4" wide by 6' 5-1/4" high

Finish All aluminum was white.

Glazing Details: The test specimen utilized 7/8" thick, sealed insulating glass constructed from two sheets of 3/16" thick, clear annealed glass and a metal reinforced butyl spacer system. The glass was interior glazed against double-sided adhesive foam tape and secured with aluminum snap-in glazing beads.

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



Allen M. Ream
1 APR 12 2002



Test Specimen Description: (Continued)

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.

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck. #8 x 2-1/2" installation screws were utilized 18" on center around the interior perimeter. Polyurethane was utilized to seal the exterior.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.04 cfm/ft ²	0.3 cfm/ft ² max.
	Water Resistance (ASTM E 547-00) 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 jamb) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.01" 0.01"	0.41" max. 0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.0" 0.01"	0.29" max. 0.29" max.

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



Allen H. Reeves
1 APRIL 2002



Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
	Forced Entry Resistance (ASTM F 588-97)		
	Type: D		
	Grade: 10		
	Hand and Tool Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance (ASTM E 547-00) WTP = 8.25 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.02"	0.41" max.
	@ 47.2 psf (negative)	0.02"	0.41" max.
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.01"	0.29" max.
	@ 70.8 psf (negative)	0.02"	0.29" max.

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

Mark A. Hess
Technician

MAH:nlb
01-41135.01

Allen N. Reeves

Allen N. Reeves, P.E.
Director - Engineering Services

1 APRIL 2002



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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin

TYPE: Aluminum Single Hung Window

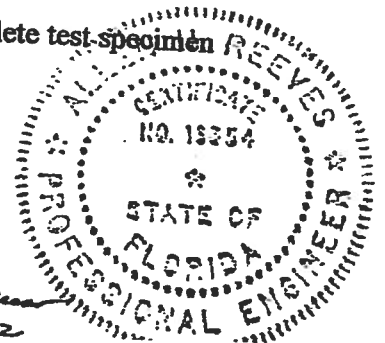
Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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, Technician

MAH:nlb



Architectural Testing

AAMA/NWDA 101/LS.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/NWDA 101/LS.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

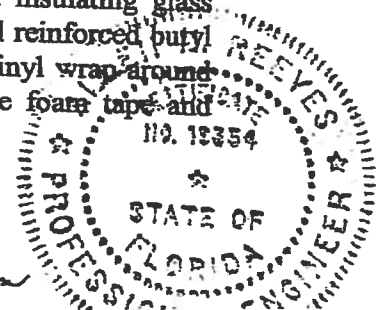
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

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. Reese
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

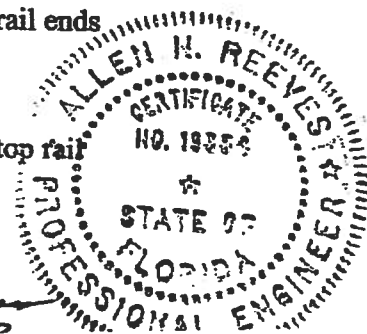
Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting 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 2007

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

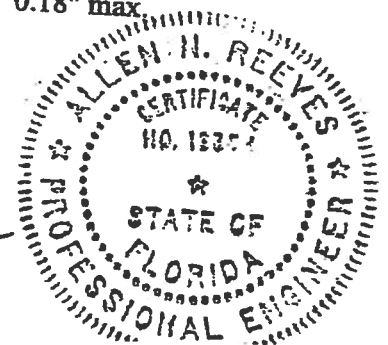
Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

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 ²	0.3 cfm/ft ² max
	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.
	<i>*Exceeds L/175 for deflection, but passes all other test requirements.</i>		
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.

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

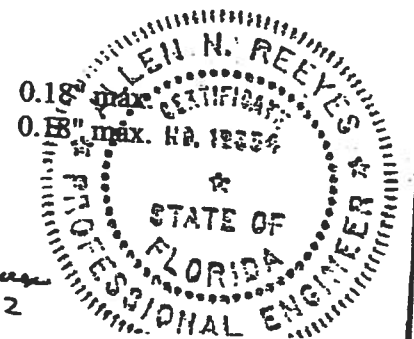
Optional Performance

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"	
@ 70.8 psf (negative)	0.05"	

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:

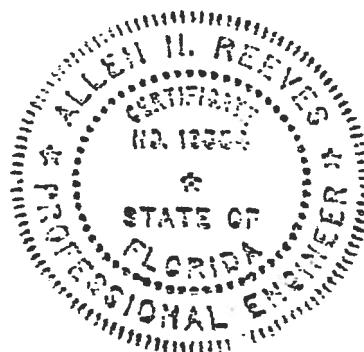


Mark A. Hess
Technician

MAH:nlb
01-41134.01

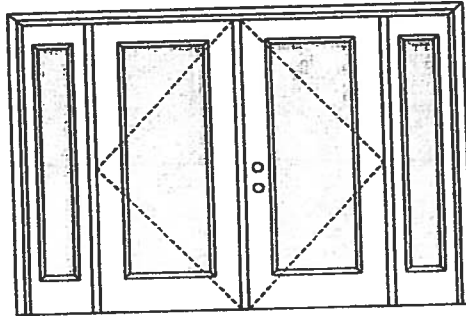


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



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/AH website (www.itsah.com), the Masonite website (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 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-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

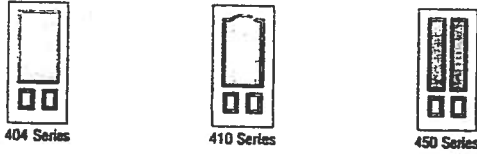


304 Series

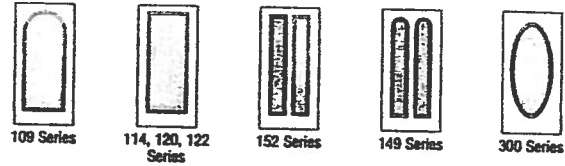
*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

WOOD-EDGE STEEL DOORS

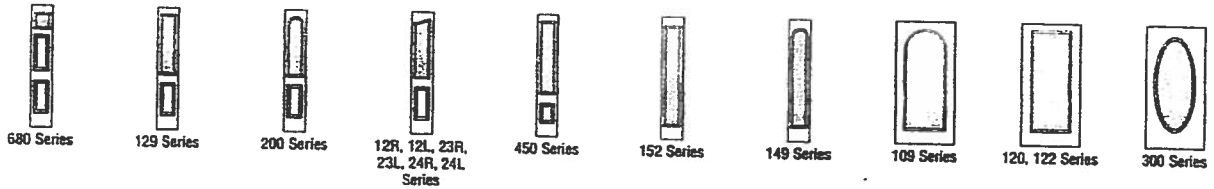
APPROVED DOOR STYLES:
3/4 GLASS:



FULL GLASS:



APPROVED SIDELITE STYLES:



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 Balthaz

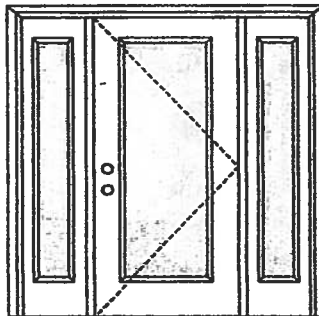
State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Final Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (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 ITSA/WH website (www.itsemko.com), the Masonite website (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 edition 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.

Johnson
EntrySystems

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

PREMIER Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

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



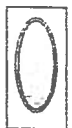
149 Series



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 Balthaz

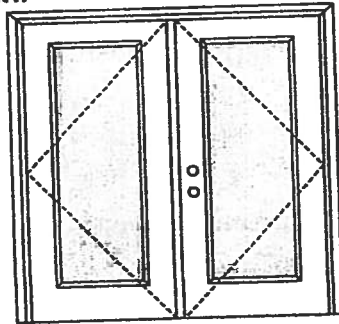
State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



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WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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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.

Johnson
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June 17, 2002
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Exclusively from
Masonite®
Masonite International Corporation

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 ITSAWH website (www.edsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.



X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

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.

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).



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



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

2

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EntrySystems™

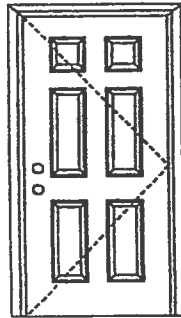
June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR® Collection
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Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT 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-MA0001-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Project Name: _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
EXTERIOR DOORS			
1. Swinging	Masonite	Wood-edge steel Side - Hinge Door	4901.1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic Garage			FI-4970
6. Other Door + Sidelites	masonite	Wood edge steel Side Hinged Door	4901.3
WINDOWS			
1. Single hung	ALUT	3150 Vinyl Fin Frame Single Hung	1782.2
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed	ALUT	Series 3150 Vinyl Fin Frame Pict.c	1758.1
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
PANEL WALL			
1. Siding		Hardi	FL 889-122
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
ROOFING PRODUCTS			
1. Asphalt Shingles	ELK	Shingles Hip Starter	728.4 728.5 728.6
2. Underlayments			30# EL 1814.3
3. Roofing Fasteners			15# EL 1814.1
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
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures	Anderson materials		3c5701RS
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof	Norboard		PSB-04
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Contractor or Contractor's Authorized Agent Signature _____ Print Name _____ Date _____

** LAMAR BOOZER **
 900 EAST PUTNAM STREET
 LAKE CITY, FL 32055

PROJECT: CUSTOM
 CLIENT: FREDRICK PERRY
 DATE: 1 2 07

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: FREDRICK PERRY
 ADDRESS:
 CITY, STATE: LAKE CITY, FLORIDA

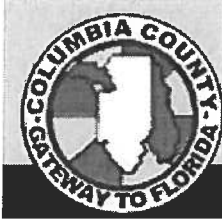
TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN	
3-C WINDOW DBL PANE CLR GLS METL FR	85	2,773	0	2,964	2,964	
12-D WALL R-11 +1/2"ASPHLT BRD(R-1.3)	1,219	4,389	0	2,400	2,400	
11-C DOOR METAL POLYSTYRENE CORE	40	846	0	462	462	
16-G CEILING R-30 INSULATION	1,799	2,627	0	2,627	2,627	
22-A SLAB ON GRADE NO EDGE INSUL	111	4,046	0	0	0	
SUBTOTALS FOR STRUCTURE:		3,254	14,681	0	8,453	8,453
PEOPLE	10	0	0	3,000	3,000	
APPLIANCES	0	0	800	1,500	2,300	
DUCTWORK	0	734	0	1,841	1,841	
INFILTRATION W.CFM: 0.0 S.CFM: 235.9	0	0	7,859	5,449	13,308	
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0	
SENSIBLE GAIN TOTAL				20,243		
TEMP. SWING MULTIPLIER				X 1.00		
BUILDING LOAD TOTALS		15,415	8,659	20,243	28,902	

SUPPLY CFM AT 20 DEG DT: 920 CFM PER SQUARE FOOT: 0.520
 SQUARE FT. OF ROOM AREA: 1,799 SQUARE FOOT PER TON: 734.482

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 15.415 MBH
 TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.409 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
 ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
 BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.



From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0701-84**

Applicant: Stephen Morgan Fred Perry's Quality Construction, Owner: Leroy & Barbara Lender, Property ID 14-3s-16-02120-001.

On the date of January 29, 2007 application 0712-84 and plans for construction of single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0701-84 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

1. Please provide for compliance with the Florida Residential Building Code - 2004 section R322.1.1 All new single-family houses, duplexes, triplexes, condominiums and townhouses shall provide at least one bathroom, located with maximum possible privacy, where bathrooms are provided on habitable grade levels, with a door that has a 29-inch (737 mm) clear opening. However, if only a toilet room is provided at grade level, such toilet rooms shall have a clear opening of not less than 29 inches (737 mm).

2. A HVAC mechanical room is shown to be within the garage area, please show that this room will comply with section 406.1.4 of the Florida Residential Building Code, which requires that separations shall comply with the following:

A: Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.

3. In the master bath tub area please verify compliance with the FRC-2004 section R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. Each pane of glazing installed in hazardous locations as defined in Section R308.4 shall be provided with a manufacturer's or installer's label, designating the type and thickness of glass and the safety glazing standard with which it complies, which is visible in the final installation. The label shall be acid etched, sandblasted, ceramic-fired, embossed mark, or shall be of a type which once applied cannot be removed without being destroyed.

4. Please show on the electrical plans the locations of the required smoke alarms to provide for compliance with the Florida Residential Building Code - 2004 section R313.1 smoke alarms: Smoke alarms shall be installed in the following locations:

1. In each sleeping room.
2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.
3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.

5. On the electrical plan the 200 amp electrical panel and the utility company service location is shown on an exterior wall of the garage. If the location of this 200 amp electrical panel should be located else where within the dwelling the

following installation method will be required to be adhered to: An overcurrent protection device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

6. When constructing this structure use only the windload information and structural design from (Mr. Mark Disosway P. E. Job number: 701154) which accompanies the submitted plan for structural and windload design requirement.

Thank You:



Joe Haltiwanger
Plan Examiner
Columbia County Building
Department

Notice of Treatment 12457

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

Address: BAYVIEW

City: Lake City Phone: 702 1703

Site Location: Subdivision N/A

Lot # N/A Block# N/A Permit # 25471

Address 300 NW Joland Lane

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
<input type="checkbox"/> Premise	Imidacloprid	0.1%
<input type="checkbox"/> Termidor	Fipronil	0.12%
<input checked="" type="checkbox"/> Bora Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: Soil Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
<u>Dwelling</u>	<u>2611</u>	<u>909</u>	<u>6</u>
_____	_____	_____	_____
_____	_____	_____	_____

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

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

9/14/07 1:40 Guillermo Lopez
 Date Time Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



CHERRYBROOK OF COLUMBIA CALVERTS

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 14-3S-16-02120-001

Building permit No. 000025491

Use Classification SFD, UTILITY

Fire: 16.74

Permit Holder FRED PERRY

Waste: 50.25

Owner of Building LEROY & BARBARA LENDER

Total: 66.99

Location: 300 NW JOLAND LANE, LAKE CITY, FL

Date: 07/16/2007



Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)