

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0603-48 Date Received 3/14/06 By GT Permit # 1032/124321
 Application Approved by - Zoning Official BLK Date 22.03.06 Plans Examiner OKJTH Date 9-27-06
 Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dev.
 Comments need plot plan (advise today 3.28.06)

Applicants Name Jimmy Johnston / Cary Chandler Phone 752-0078
365-5999
 Address 1256 SW CR 240 L.C. 32025
 Owners Name Richard Keen Phone 623-4629
 911 Address 237 SE Forest Terrace, L.C. 71 32005
 Contractors Name Jimmy Johnston Phone 365-5999 755-2826
 Address 1256 SW CR 240 L.C. FL 32025
 Fee Simple Owner Name & Address Richard Keen
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Mark Disosway
 Mortgage Lenders Name & Address Columbia County Bank
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 16-45-17-08382-413 Estimated Cost of Construction 100,000⁰⁰
 Subdivision Name Century Oaks Lot 14 Block B Unit _____ Phase _____
 Driving Directions 41 S to CR 252 turn Left, go down to Forest Glen turn Left, about 600 yards down on right
 Type of Construction SFD Number of Existing Dwellings on Property 0
 Total Acreage _____ Lot Size 108x138 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 30 ✓ Side 15 ✓ Side 28 ✓ Rear 65 ✓
 Total Building Height 16.5' Number of Stories 1 Heated Floor Area 1508 Roof Pitch 6/12
POUCH 32 GARAGE 462 TOTAL 21022

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner/Builder or Agent (Including Contractor)

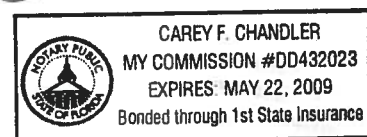
Contractor Signature _____
 Contractors License Number CRC1328128
 Competency Card Number _____
 NOTARY STAMP/SEAL

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 10th day of March 20 06
 Personally known X or Produced Identification _____

Notary Signature Carey J Chandler

Tw Advise 3.29.06
R. Keen



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	602176KeenRichard	Builder:	
Address:	Lot: 14, Sub: Century Oaks, Plat:	Permitting Office:	<i>Columbia</i>
City, State:	, FL :	Permit Number:	<i>24321</i>
Owner:	Keen Richard	Jurisdiction Number:	<i>221006</i>
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr SEER: 10.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	Yes	13. Heating systems	
6. Conditioned floor area (ft²)	1508 ft²	a. Electric Heat Pump	Cap: 30.0 kBtu/hr HSPF: 7.20
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a. (Dble Default)	140.0 ft²	14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 40.0 gallons EF: 0.92
(or Clear or Tint DEFAULT) 7b. (Clear)	140.0 ft²	b. N/A	
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R=0.0, 167.0(p) ft	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
9. Wall types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Frame, Wood, Exterior	R=13.0, 1168.0 ft²	HF-Whole house fan,	
b. Frame, Wood, Adjacent	R=13.0, 168.0 ft²	PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
d. N/A		MZ-H-Multizone heating)	
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1706.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 128.0 ft		
b. N/A			

Glass/Floor Area: 0.09

Total as-built points: 22652

Total base points: 24137

PASS

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

PREPARED BY: *Y. Ben...*

DATE: *2-22-06*

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Century Oaks, Plat: , , FL, 32024-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points							
.18	1508.0	20.04	5439.7	Double, Clear	E	1.5	5.5	75.0	42.06	0.90	2827.4
				Double, Clear	E	1.5	8.0	20.0	42.06	0.96	805.5
				Double, Clear	S	1.5	1.5	5.0	35.87	0.52	93.4
				Double, Clear	W	1.5	5.5	40.0	38.52	0.90	1382.1
				As-Built Total:				140.0		5108.4	
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	168.0	0.70	117.6	Frame, Wood, Exterior			13.0	1168.0	1.50		1752.0
Exterior	1168.0	1.70	1985.6	Frame, Wood, Adjacent			13.0	168.0	0.60		100.8
Base Total:		1336.0	2103.2	As-Built Total:				1336.0		1852.8	
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0
Exterior	40.0	4.10	164.0	Adjacent Insulated				20.0	1.60		32.0
				Exterior Insulated				20.0	4.10		82.0
Base Total:		60.0	196.0	As-Built Total:				60.0		196.0	
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1508.0	1.73	2608.8	Under Attic			30.0	1706.0	1.73 X 1.00		2951.4
Base Total:		1508.0	2608.8	As-Built Total:				1706.0		2951.4	
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	167.0(p)	-37.0	-6179.0	Slab-On-Grade Edge Insulation			0.0	167.0(p)	-41.20		-6880.4
Raised	0.0	0.00	0.0								
Base Total:			-6179.0	As-Built Total:				167.0		-6880.4	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	1508.0	10.21	15396.7					1508.0	10.21		15396.7

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Century Oaks, Plat: , , FL, 32024-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 19565.4				Summer As-Built Points: 18624.8						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.147 x 0.91)	X System Multiplier 0.341	X Credit Multiplier 1.000	=	Cooling Points 7232.0
19565.4	0.4266		8346.6	(sys 1: Central Unit 30000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 18625	1.00					
				18624.8	1.00	1.138	0.341	1.000		7232.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Century Oaks, Plat: , , FL, 32024-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X WPM X WOF = Point							
.18	1508.0	12.74	3458.1	Double, Clear	E	1.5	5.5	75.0	18.79	1.04	1467.7
				Double, Clear	E	1.5	8.0	20.0	18.79	1.02	383.3
				Double, Clear	S	1.5	1.5	5.0	13.30	2.73	181.6
				Double, Clear	W	1.5	5.5	40.0	20.73	1.03	852.4
				As-Built Total: 140.0 2885.1							
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	168.0	3.60	604.8	Frame, Wood, Exterior				13.0	1168.0	3.40	3971.2
Exterior	1168.0	3.70	4321.6	Frame, Wood, Adjacent				13.0	168.0	3.30	554.4
Base Total: 1336.0 4926.4				As-Built Total: 1336.0 4525.6							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	20.0	8.00	160.0	Exterior Insulated					20.0	8.40	168.0
Exterior	40.0	8.40	336.0	Adjacent Insulated					20.0	8.00	160.0
				Exterior Insulated					20.0	8.40	168.0
Base Total: 60.0 496.0				As-Built Total: 60.0 496.0							
CEILING TYPESArea X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	1508.0	2.05	3091.4	Under Attic				30.0	1706.0	2.05 X 1.00	3497.3
Base Total: 1508.0 3091.4				As-Built Total: 1706.0 3497.3							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	167.0(p)	8.9	1486.3	Slab-On-Grade Edge Insulation				0.0	167.0(p)	18.80	3139.6
Raised	0.0	0.00	0.0								
Base Total: 1486.3				As-Built Total: 167.0 3139.6							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
	1508.0	-0.59	-889.7						1508.0	-0.59	-889.7

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

ADDRESS: Lot: 14, Sub: Century Oaks, Plat: , , FL, 32024-

PERMIT #:

BASE				AS-BUILT									
Winter Base Points:		12568.5		Winter As-Built Points:			13653.9						
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Heating Points
12568.5		0.6274	7885.5	(sys 1: Electric Heat Pump 30000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Int(AH),R6.0 13653.9 1.000 (1.069 x 1.169 x 0.93) 0.474 1.000 7515.4 13653.9 1.00 1.162 0.474 1.000 7515.4									

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Century Oaks, Plat: , , FL, 32024-

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms										Credit = Total
										Multiplier
3		2635.00		7905.0	40.0	0.92	3		1.00	2635.00
										1.00
										7905.0
					As-Built Total:					7905.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
8347		7885		7905		24137	7232		7515
									7905
									22652

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Century Oaks, Plat: , , FL, 32024-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.9

The higher the score, the more efficient the home.

Keen Richard, Lot: 14, Sub: Century Oaks, Plat: , FL, 32024-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1508 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 140.0 ft ²		HSPF: 7.20
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 140.0 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 167.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.92
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1168.0 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 168.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1706.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 128.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

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

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 06-49
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number R08382-414

Inst:2006004721 Date:02/27/2006 Time:13:51

Doc Stamp-Deed : 238.00

16 DC, P. DeWitt Cason, Columbia County B:1075

WARRANTY DEED

THIS INDENTURE, made this 24th day of February, 2006, BETWEEN ANNE M. GUYOT, whose post office address is Post Office Box 729 Lake City, FL 32056, of the County of Columbia, State of Florida grantor*, and RICHARD KEEN and MARY M. KEEN, Husband and Wife whose post office address is 1256 SW County Road 240, Lake City, FL 32025, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 14, Block B of CENTURY OAK, a subdivision according to the plat thereof as recorded in Plat Book 4, Page 68 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

N.B.: Neither the Grantor nor any member of her family live on or reside on the property described herein or any adjacent land thereto or claim any part hereof or any adjacent land thereto as their homestead.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, a context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:



(Signature of First Witness)
Terry McDavid

(Typed Name of First Witness)



(Signature of Second Witness)
Crystal L. Brunner

(Typed Name of Second Witness)

 (SEAL)

Grantor
ANNE M. GUYOT
Printed Name

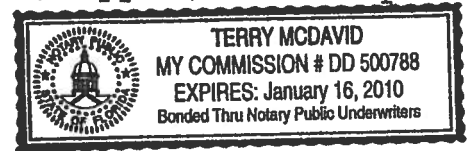
STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 24th
day of February, 2006, by ANNE M. GUYOT, who is personally known to
me or who has produced _____ as identification and who
did not take an oath.

My Commission Expires:



Notary Public
Printed, typed, or stamped name



Inst:2006004721 Date:02/27/2006 Time:13:51

Doc Stamp-Deed : 238.00

DC,P.DeWitt Cason,Columbia County B:1075 P:980

3) THIS INSTRUMENT WAS PREPARED BY:
TERRY McDAVID 06-49
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

PERMIT NO. _____

TAX FOLIO NO.: R08382-413

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.

1. Description of property:

Lot 14, Block B, CENTURY OAK, a subdivision according to the plat thereof as recorded in Plat Book 4, Page 68 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:

a. Name and address: RICHARD KEEN and MARY M. KEEN
1256 SW County Road 240, Lake City, FL 32025

b. Interest in property: Fee Simple

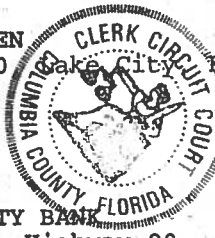
c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: RICHARD KEEN
1256 SW County Road 240 Lake City, FL 32025

5. Surety n/a

a. Name and address:
b. Amount of bond:

6. Lender: COLUMBIA COUNTY BANK
4785 West U.S. Highway 90
Lake City, FL 32055



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.
DeWITT CASON, CLERK OF COURTS

By Laron Leagle
Deputy Clerk

Date 2-27-06

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: NONE

8. In addition to himself, Owner designates Nedra Horton of Columbia County Bank, 4785 West U.S. Highway 90, Lake City, FL 32055 to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified) February 24, 2007.

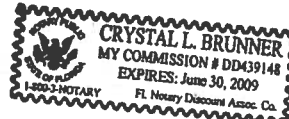
STATE OF FLORIDA
COUNTY OF COLUMBIA

Richard Keen
RICHARD KEEN
Mary M. Keen
MARY M. KEEN

The foregoing instrument was acknowledged before me this 24th day of February, 2006, by RICHARD KEEN and MARY M. KEEN, who are personally known to me and who did not take an oath.

Inst:2006004723 Date:02/27/2006 Time:13:51
DC, P. DeWitt Cason, Columbia County B:1075 P:988

Notary Public
My Commission expires: _____





APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 200 OF 300

PANEL LOCATION



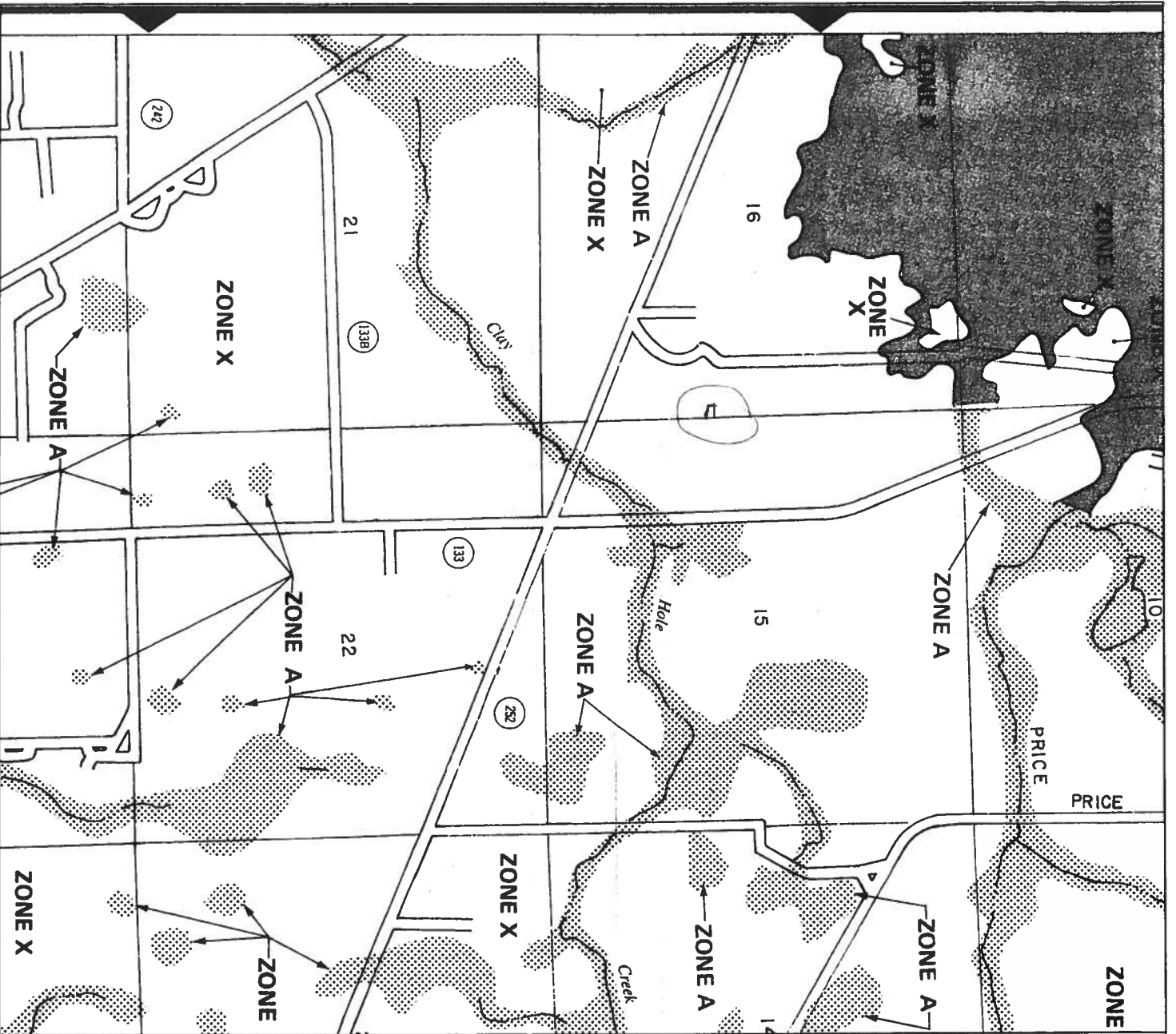
COMMUNITY-PANEL NUMBER
120070 0200 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

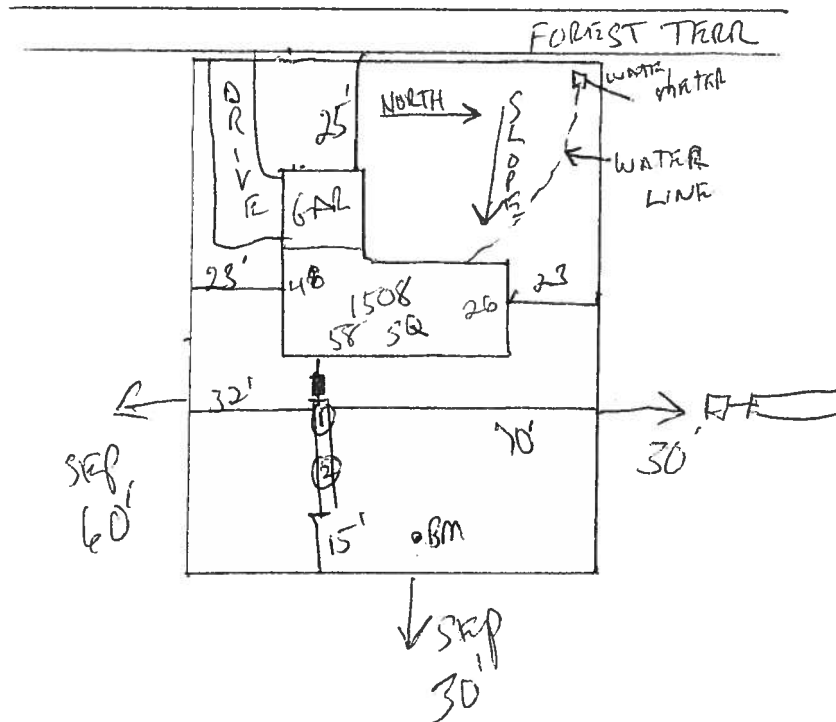


This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/mfisc.



Permit Application Number 06-01977

Lot 13



Notes: _____

Site Plan submitted by: John D. T... MASTER CONTRACTOR

Plan Approved ☒ Not Approved ☐ Date 3-13-06

By Ma A W Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



Columbia County Property Appraiser

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

PARCEL: 16-4S-17-08382-413 - VACANT (000000)

LOT 14 BLOCK B CENTURY OAK S/D ORB 377-431, 732-964, 742-115, 744-153,
PROB ORDER 770-294

Name:	GUYOT ANN	LandVal	\$19,500.00
Site:	BLK B CENTURY OAK	BldgVal	\$0.00
Mail:	P O BOX 729	ApprVal	\$19,500.00
	LAKE CITY, FL 32056	JustVal	\$19,500.00
Sales	4/2/1991 \$6,000.00 V / Q	Assd	\$19,500.00
Info	2/20/1991 \$45,000.00 V / U	Exmpt	\$0.00
		Taxable	\$19,500.00

0 130 260 390 ft



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS ALL REQUIREMENTS ARE SUBJECT TO CHANGE EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Wind-load Engineering Summary, calculations and any details required</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Elevations including:</u> a) All sides
<input checked="" type="checkbox"/>	<input type="checkbox"/>	b) Roof pitch
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c) Overhang dimensions and detail with attic ventilation
<input type="checkbox"/>	<input type="checkbox"/>	d) Location, size and height above roof of chimneys
<input type="checkbox"/>	<input type="checkbox"/>	e) Location and size of skylights
<input checked="" type="checkbox"/>	<input type="checkbox"/>	f) Building height
<input checked="" type="checkbox"/>	<input type="checkbox"/>	e) Number of stories

Floor Plan including:

- | | | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a) Rooms labeled and dimensioned |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b) Shear walls |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown) |
| <input type="checkbox"/> | <input type="checkbox"/> | d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth |
| <input type="checkbox"/> | <input type="checkbox"/> | e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | f) Must show and identify accessibility requirements (accessible bathroom) |

Foundation Plan including:

- | | | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b) All posts and/or column footing including size and reinforcing |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c) Any special support required by soil analysis such as piling |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | d) Location of any vertical steel |

Roof System:

- | | | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a) Truss package including: <ol style="list-style-type: none">1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |
| <input type="checkbox"/> | <input type="checkbox"/> | b) Conventional Framing Layout including: <ol style="list-style-type: none">1. Rafter size, species and spacing2. Attachment to wall and uplift3. Ridge beam sized and valley framing and support details4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |

Wall Sections including:

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Masonry wall <ol style="list-style-type: none">1. All materials making up wall2. Block size and mortar type with size and spacing of reinforcement3. Lintel, tie-beam sizes and reinforcement4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)7. Fire resistant construction (if required)8. Fireproofing requirements9. Shoe type of termite treatment (termicide or alternative method)10. Slab on grade<ol style="list-style-type: none">a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports11. Indicate where pressure treated wood will be placed12. Provide insulation R value for the following:<ol style="list-style-type: none">a. Attic spaceb. Exterior wall cavityc. Crawl space (if applicable) |
|--------------------------|--------------------------|---|

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchors, bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

Water System

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued.
(386) 758-1058 (Toilet facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit.
(386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations.
CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.
A development permit will also be required. Development permit cost is **\$50.00**
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

Residential System Sizing Calculation

Summary

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

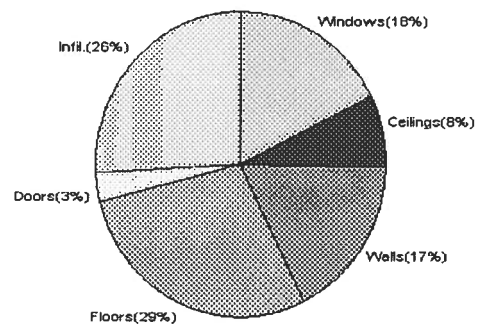
2/22/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	25488	Btuh	Total cooling load calculation	18722	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	117.7	30000	Sensible (SHR = 0.50)	95.9	15000
Heat Pump + Auxiliary(0.0kW)	117.7	30000	Latent	486.0	15000
			Total (Electric Heat Pump)	160.2	30000

WINTER CALCULATIONS

Winter Heating Load (for 1508 sqft)

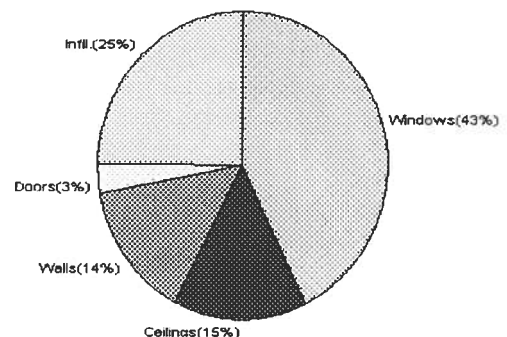
Load component		Load	
Window total	140 sqft	4507	Btuh
Wall total	1336 sqft	4387	Btuh
Door total	60 sqft	777	Btuh
Ceiling total	1706 sqft	2010	Btuh
Floor total	167 sqft	7291	Btuh
Infiltration	161 cfm	6516	Btuh
Duct loss		0	Btuh
Subtotal		25488	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		25488	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1508 sqft)

Load component		Load	
Window total	140 sqft	7962	Btuh
Wall total	1336 sqft	2690	Btuh
Door total	60 sqft	588	Btuh
Ceiling total	1706 sqft	2825	Btuh
Floor total		0	Btuh
Infiltration	84 cfm	1572	Btuh
Internal gain		0	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		15636	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		3086	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		0	Btuh
Total latent gain		3086	Btuh
TOTAL HEAT GAIN		18722	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Ken Lyraum*

DATE: *2-27-06*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

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

2/22/2006

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	75.0	32.2	2414 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NE	5.0	32.2	161 Btuh
4	2, Clear, Metal, 0.87	SE	40.0	32.2	1288 Btuh
Window Total			140(sqft)		4507 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1168	3.3	3836 Btuh
2	Frame - Wood - Adj(0.09)	13.0	168	3.3	552 Btuh
Wall Total			1336		4387 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
Door Total			60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1706	1.2	2010 Btuh
Ceiling Total			1706		2010Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	167.0 ft(p)	43.7	7291 Btuh
Floor Total			167		7291 Btuh
Zone Envelope Subtotal:					18973 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	12064	160.9	6516 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				25488 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	25488 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25488 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

6/22/2022



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

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

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

2/22/2006

Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	75.0	32.2	2414 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NE	5.0	32.2	161 Btuh
4	2, Clear, Metal, 0.87	SE	40.0	32.2	1288 Btuh
Window Total			140(sqft)		4507 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1168	3.3	3836 Btuh
2	Frame - Wood - Adj(0.09)	13.0	168	3.3	552 Btuh
Wall Total			1336		4387 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
Door Total			60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1706	1.2	2010 Btuh
Ceiling Total			1706		2010Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	167.0 ft(p)	43.7	7291 Btuh
Floor Total			167		7291 Btuh
Zone Envelope Subtotal:					18973 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	12064	160.9	6516 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				25488 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	25488 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25488 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

6/22/2022



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

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

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

2/22/2006

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

Component Loads for Whole House											
Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	75.0	0.0	75.0	29	60	4503	Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	8ft.	20.0	0.0	20.0	29	60	1201	Btuh
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	1.5ft.	5.0	0.0	5.0	29	60	300	Btuh
4	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	40.0	16.2	23.8	29	63	1958	Btuh
Window Total					140 (sqft)					7962 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		1168.0			2.1		2436 Btuh		
2	Frame - Wood - Adj	13.0/0.09		168.0			1.5		253 Btuh		
Wall Total				1336 (sqft)					2690 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				20.0		9.8		196 Btuh		
2	Insulated - Adjacent				20.0		9.8		196 Btuh		
3	Insulated - Exterior				20.0		9.8		196 Btuh		
Door Total				60 (sqft)					588 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0		1706.0			1.7		2825 Btuh		
Ceiling Total				1706 (sqft)					2825 Btuh		
Floors	Type	R-Value		Size			HTM		Load		
1	Slab On Grade	0.0		167 (ft(p))			0.0		0 Btuh		
Floor Total				167.0 (sqft)					0 Btuh		
Zone Envelope Subtotal:										14065 Btuh	
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural	0.42		12064			84.4		1572 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	0			X 230 +			0		0 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										15636 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

2/22/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	15636 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	15636 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15636 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3086 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3086 Btuh
	TOTAL GAIN	18722 Btuh

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

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

2/22/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	75.0	0.0	75.0	29	60	4503	Btuh	
2	2, Clear, 0.87, None,N,N	NW	1.5ft.	8ft.	20.0	0.0	20.0	29	60	1201	Btuh	
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	1.5ft.	5.0	0.0	5.0	29	60	300	Btuh	
4	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	40.0	16.2	23.8	29	63	1958	Btuh	
Window Total					140 (sqft)					7962 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load			
1	Frame - Wood - Ext	13.0/0.09			1168.0		2.1		2436 Btuh			
2	Frame - Wood - Adj	13.0/0.09			168.0		1.5		253 Btuh			
Wall Total						1336 (sqft)				2690 Btuh		
Doors	Type				Area (sqft)		HTM		Load			
1	Insulated - Exterior				20.0		9.8		196 Btuh			
2	Insulated - Adjacent				20.0		9.8		196 Btuh			
3	Insulated - Exterior				20.0		9.8		196 Btuh			
Door Total						60 (sqft)				588 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle	30.0			1706.0		1.7		2825 Btuh			
Ceiling Total						1706 (sqft)				2825 Btuh		
Floors	Type	R-Value			Size		HTM		Load			
1	Slab On Grade	0.0			167 (ft(p))		0.0		0 Btuh			
Floor Total						167.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										14065 Btuh		
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load			
	SensibleNatural	0.42			12064		84.4		1572 Btuh			
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	0			X 230 +			0		0 Btuh			
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
Sensible Zone Load										15636 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

Class 3 Rating
Registration No. 0
Climate: North

2/22/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	15636 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	15636 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15636 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3086 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3086 Btuh
	TOTAL GAIN	18722 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Keen Richard
302 SE Apache ST.Way
, FL 32024-

Project Title:
602176KeenRichard

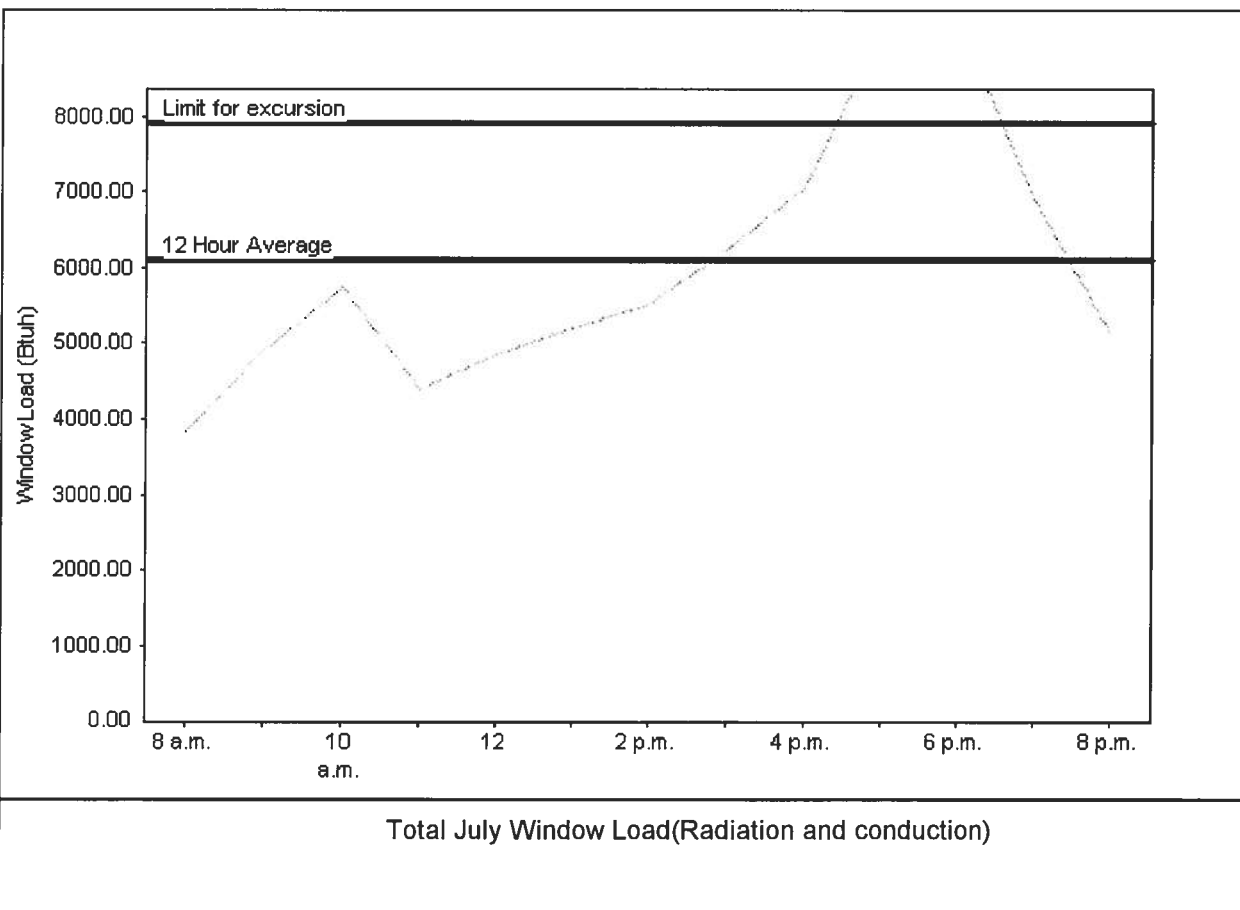
Class 3 Rating
Registration No. 0
Climate: North

2/22/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	6095 Btuh
Summer setpoint	75 F	Peak window load for July	9269 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	7924 Btuh
Latitude	29 North	Window excursion (July)	1345 Btuh

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

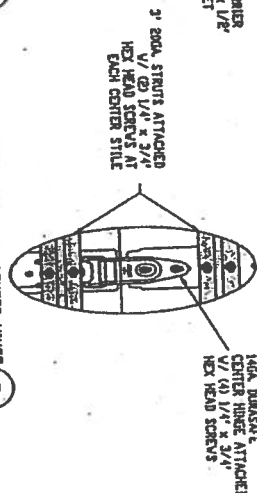
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: VR

DATE: 2-22-06

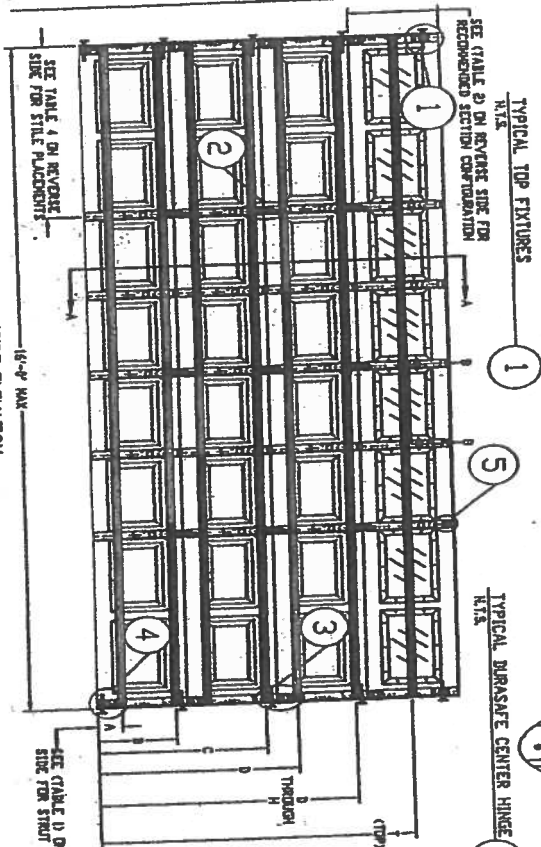
EnergyGauge® FLR2PB v4.1



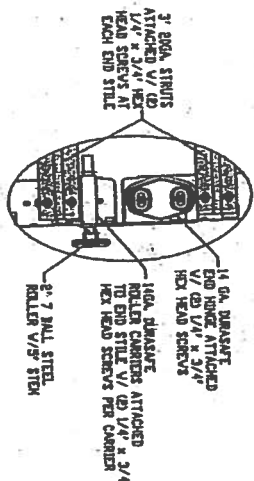


TYPICAL TOP FIXTURES

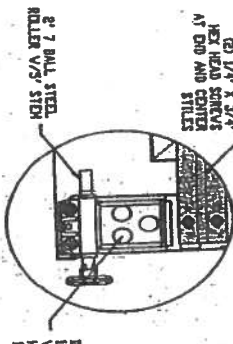
② TYPICAL DURASAFE CENTER HINGE
H.T.S.



TYPICAL STILE STIFFENER
M.T.S.



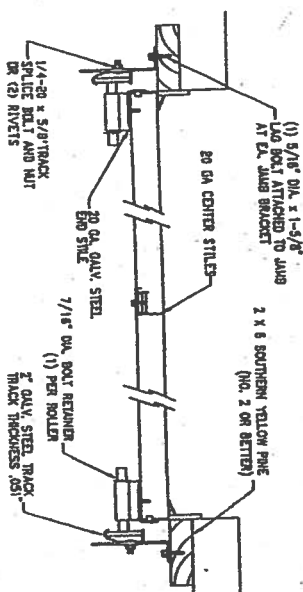
TYPICAL DURASAFE END HINGE
N.T.S. 3



TYPICAL BOTTOM BRACKET

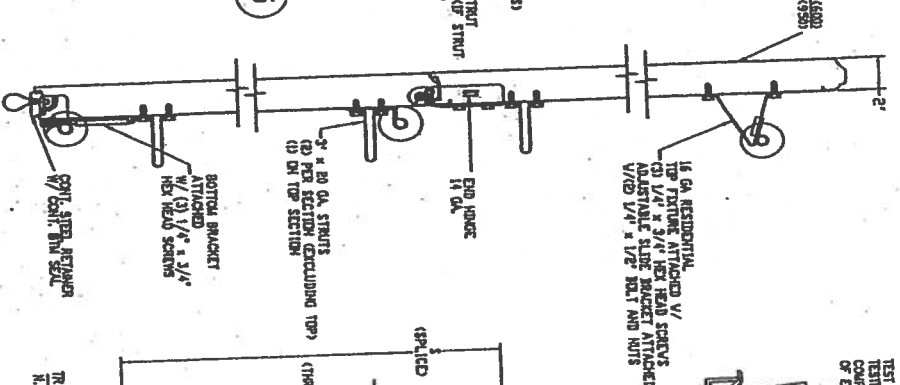
M.T.S.

4

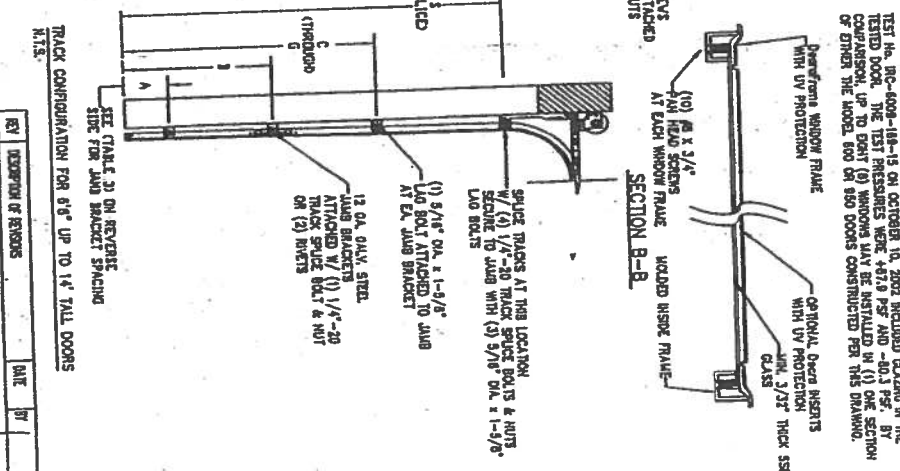


TRACK MOUNTING DETAIL
N.T.S.

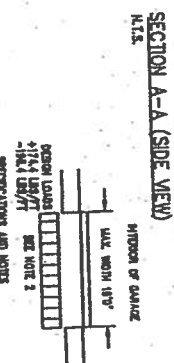
WOOD JAMB ATTACHMENT TO STRUCTURE

[illegible]

SECTION B-B



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.



STATEMENTS AND NOTES

- [illegible]

REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 18" x 14"		
	DESIGN LOADS +21.6 PSF -24.0 PSF		
	TEST LOADS +12.7 PSF -37.2 PSF		

AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
CERTIFICATE OF ADOPTION

JUN 03 2003

115 CARLISLE COURT VENTNOR-SCOT, NJ 07125

Annarr
SALES & SERVICE

MODEL #600 STRATFORD w/ Dursale
MODEL #950 HERITAGE w/ Dursale

Shout Panel, Lone Panel, and Tush Panel

SIZE	PAINT ST	CLJ	DATE	BY
B	ORDERED BY	DATE	04/9/00	

BRIDGE NUMBER

IRC-6016-120-15

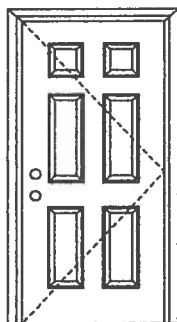
OWNER: MAJOR C. SHAFER, P.E. 16. 04553

SHEET 1 OF 1

X

Opaque Inswing Unit

COP-WL-MA0101-02

FIBERGLASS DOORS**APPROVED ARRANGEMENT:****Note:**

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

Single Door

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

Design Pressure**+76.0/-76.0**

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.



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available from the ITS/WH website -
(www.etisemko.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

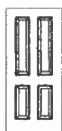
Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

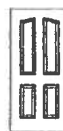
Flush



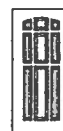
6-panel



New England 4-panel



Eyebrow 4-panel



9-panel



Eyebrow 5-panel with scroll

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X

Opaque Inswing Unit

COP-WL-MA0101-02

FIBERGLASS DOORS

CERTIFIED TEST REPORTS:

NCTL 210-1973-1, 2, 3

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. 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 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;
#3026447B; #3026447C and COP/Test
Report Validation Matrix #3026447A-
001, 002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
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website (www.masonite.com) or the
Masonite technical center.

2

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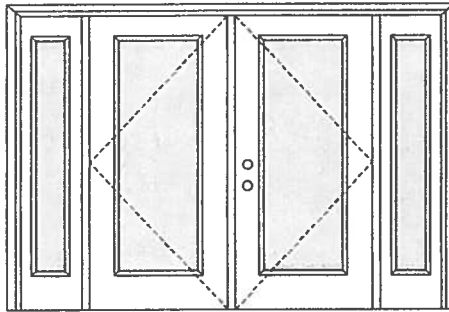
OXO

Glazed Inswing Unit

COP-WL-MA0145-02

FIBERGLASS DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A; #3026447B;
#3026447C and COP/Test Report Validation Matrix
#3026447A-001, 002, 003; #3026447B-001, 002, 003;
#3026447C-001, 002, 003 provides additional
information - available from the ITS/WH website
(www.itswh.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
+52.0/-52.0

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

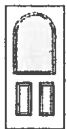


136 Series

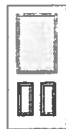


822 Series

1/2 GLASS:



105 Series



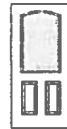
106, 160 Series*



129 Series*



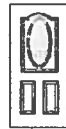
12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



304 Series

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

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OXO

Glazed Inswing Unit

COP-WL-MA0145-02

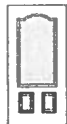
FIBERGLASS DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series

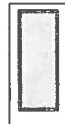


410 Series

FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

APPROVED SIDELITE STYLES:



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:

CTLA-805W-2

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. 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).

Kurt L Balthaz

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

Warnock Hervey



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003; #3026447C-001, 002, 003
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website (www.masonite.com) or the
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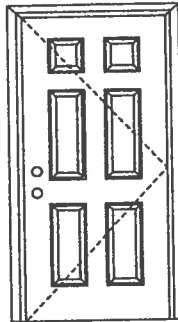
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X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

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



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

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:

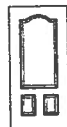
Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

Flush



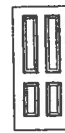
Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



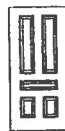
8-panel



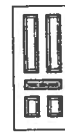
9-panel



15-panel



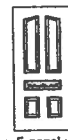
5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Johnson
EntrySystems

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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).

Kurt L Balthaz

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



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2

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EntrySystems

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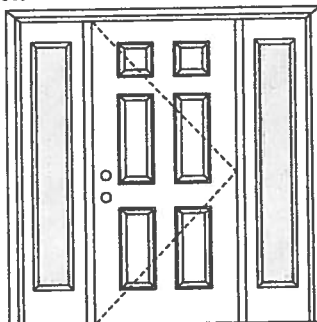
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WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Design Pressure

+57.0/-57.0 with maximum sidelite panel width of 1'2"

+45.0/-45.0 with maximum sidelite panel width of 3'0"

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED on opaque panels, but is required on glazed panels.

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.



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

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.

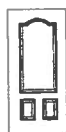
MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:



Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



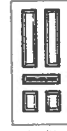
9-panel



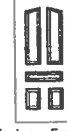
15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

Johnson
EntrySystems

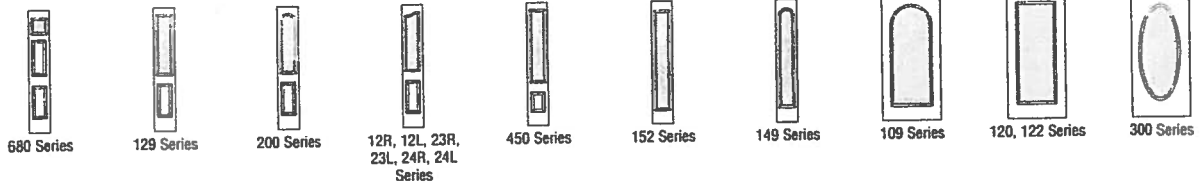
June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED SIDELITE STYLES:



CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL-210-1880-7, 9, 10, 12;
NCTL 210-2185-1, 2, 3

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

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

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood.
Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior
cavity of slab filled with rigid polyurethane foam core. 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
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 #3026447A
and COP/Test 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.

Johnson
EntrySystems

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

PREMDOR Collection
Premium Quality Doors



Exclusively from
Masonite
Masonite International Corporation



**AAMA/NWWDA 101/I.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

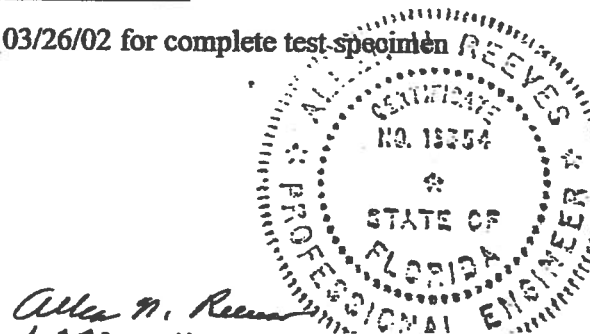
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.



Mark A. Hess, Technician

MAH:nlb



Architectural Testing

AAMA/NWWDA 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/NWWDA 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

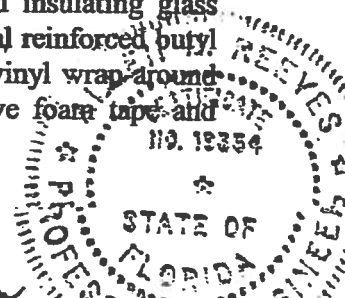
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

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
Gratz, PA 17030-0370
phone: 717.764.7700
fax: 717.764.4129
www.architect.com

Allen N. Reun



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 N. Reeves
CERTIFICATE
NO. 18255
STATE OF
FLORIDA
ENGINEER

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:

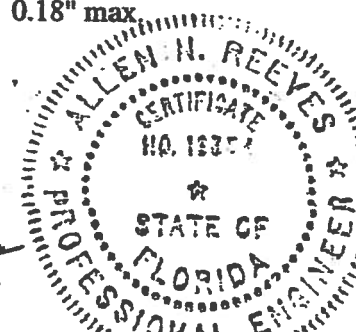
The results are tabulated as follows:

<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.

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

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



Test Specimen Description: (Continued)

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

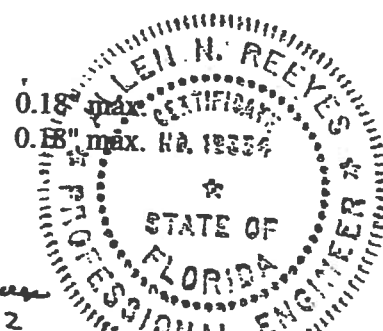
Optional Performance

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

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

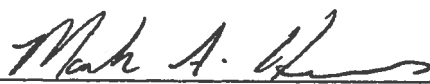
Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

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

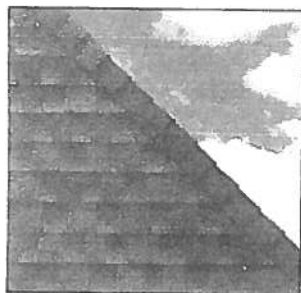

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



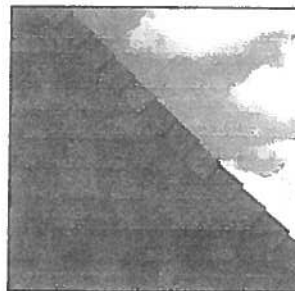


ELK

ROOFING PRODUCTS SPECIFICATIONS - TUSCALOOSA, AL



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

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

Product size 13⅞" x 39⅞"
Exposure 5"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 11

50-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Raised Profile

Product size 13⅞" x 38⅞"
Exposure 5"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Prestique I *High Definition*

Product size 13⅞" x 39⅞"
Exposure 5"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 14

40-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6⅞"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Prestique *High Definition*

Product size 13⅞" x 38⅞"
Exposure 5"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Elk Starter Strip

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

Available Colors: Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood. Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard 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. Not available in Sablewood.

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 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.

**Check for product availability.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes [4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)], use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

warranties are contingent upon the correct install as shown on the instructions. These instructions are minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in application instructions.

For specifications in CSI format, call 800.354.SPEC (8762) or e-mail specinfo@elkcorp.com.

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

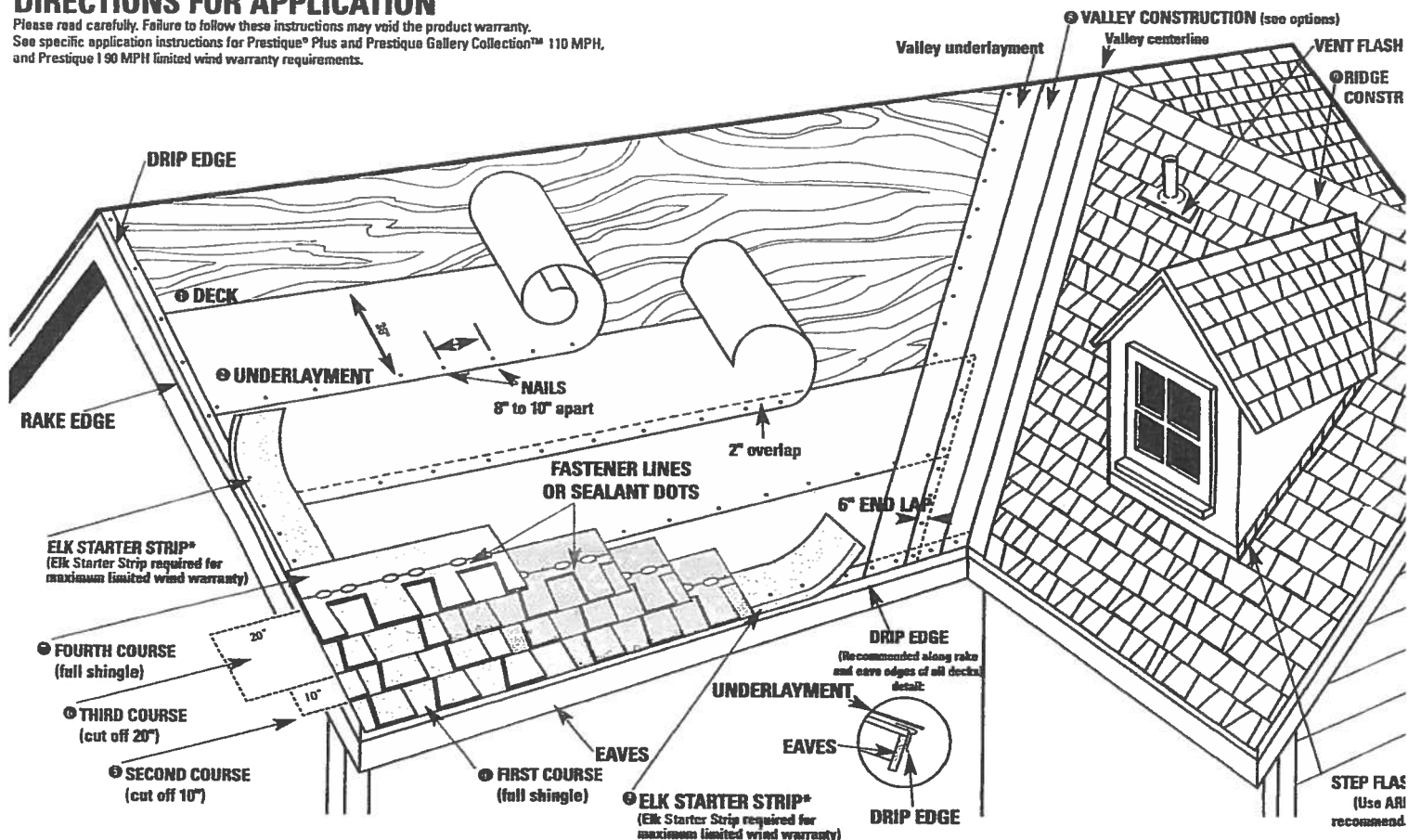
PLANT LOCATION:
800.945.5545

ELK
www.elkcorp.com

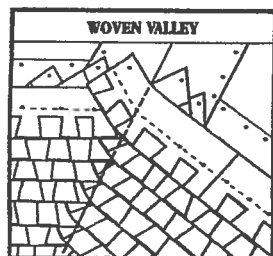
SSOOT 01

DIRECTIONS FOR APPLICATION

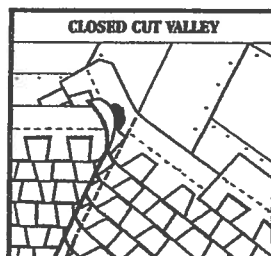
Please read carefully. Failure to follow these instructions may void the product warranty. See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH, and Prestique 190 MPH limited wind warranty requirements.



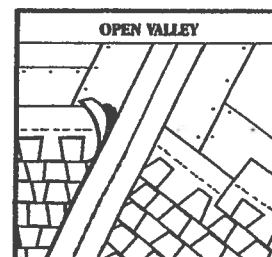
● VALLEY CONSTRUCTION OPTION (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing IV



VALLEY CENTER LINE



VALLEY CENTER LINE



VALLEY CENTER LINE

DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Cover drip edge at eaves only.

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Field Service Department for application specifications over other decks and other slopes.

STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof.

SECOND COURSE

Start at the rake with the shingle having 10" trimmed off and continue across roof with full shingles.

THIRD COURSE

Start at the rake with the shingle having 20" trimmed off and continue across roof with full shingles.

FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof.

VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying 18" metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

RIDGE CONSTRUCTION

For ridge construction use Class "A" Seal-A-Ridge® with formula FLX™ (See ridge package for installation instructions.)

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Always nail or staple through the fastener line or on products without fastener lines, nail or staple between and in line with sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for re-roofs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

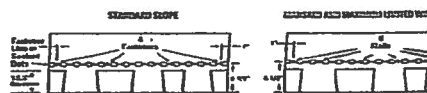
Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

MANSARD APPLICATIONS

Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

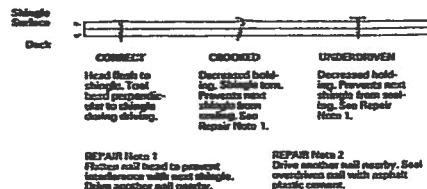
LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.



HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the THICKNESS (laminated) area of the shingle. Nails must be placed along – and through – the fastener line products without fastener lines, nail or staple between line with sealant dots. CAUTION: Do not use fastener shingle alignment.



Refer to local codes which in some areas may require application techniques beyond those Elk has specified. All Prestique and Raised Profile shingles have a U.I. Resistance Rating when applied in accordance with instructions using nails or staples on re-roofs as well construction.

CAUTION TO WHOLESALER: Careless and in storage or handling can harm fiberglass shingles. Keep these shingles completely covered reasonably cool, and protected from the sun. Do not store near various sources of heat, store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all material that has been stored the will be the first to be moved out.

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All trademarks, ®, are registered trademarks of Elk Corporation of Dallas company. Raised Profile, RidgeCrest, Gallery Collection and FLX are pending registration of Elk Corporation of Dallas. UL is a registered Underwriters Laboratories, Inc.

ELK
www.elkcorp.com

Warm Up To A High-Efficiency Colonial

There's a growing demand for vent-free gas fireplaces because they're 99 percent energy-efficient and can be installed virtually anywhere. FMI's Colonial vent-free models deliver these benefits and more. They're part of our exciting new Renaissance Series, which offers a consistent look, sizing and construction across the entire line...plus beautiful new features homeowners will love!

Homeowner Highlights:

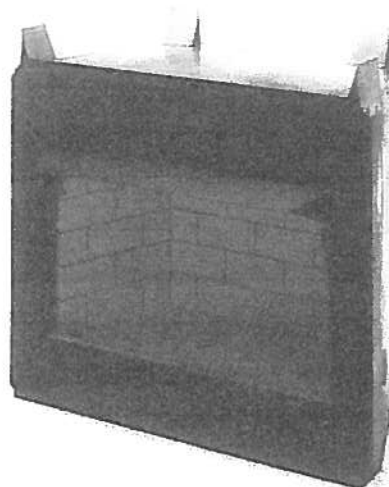
- **Visual appeal**—The industry's finest textured refractory brick liner (except 32") offers the attractive look of a true masonry fireplace.
- **Many luxury features are standard**—The Colonial comes standard with a heat deflection hood, hidden screen pockets (except 50"), stamped steel louvered panels, and other distinctive features.
- **Dollar-saving efficiency**—Paired with an Fmi vent free gas log heater, the systems 99% energy efficiency can provide dramatic energy savings.

Builder Benefits:

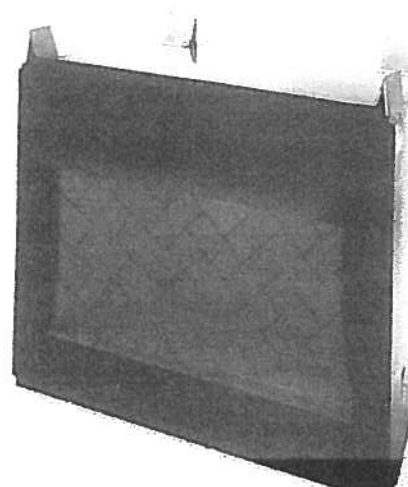
- **Straight, secure installation**—We've added full-length nailing flanges, and drywall stops.
- **Flexibility in the field**—You can quickly convert from louvered to clean face at any time (except 50").
- **Economical and versatile**—There's no chimney required. Can be installed virtually anywhere.



Fmi Hearth Industries
www.fmifireplace.com
For more information, call (866) 328-4537



V36 is our louver-faced 36" fireplace with textured refractory brick-lined interior.



V42 is FMI's 42" louvered-face fireplace shown with optional herringbone textured refractory brick-lined interior.

Colonial Vent-Free Fireplace Product Offering Summary

- 32", 36", 42" & 50" Vent-Free Fireplace Models Available With The Following:
- Clean or Louver (Circulating) Faced Models Available (Clean Faced only on 50")
 - Traditional Stacked and Herringbone Pattern Refractory Brick-Lined Interiors
 - Solid wrap or Outside Air Ready Models



The Colonial features the industry's finest textured refractory brick lining.

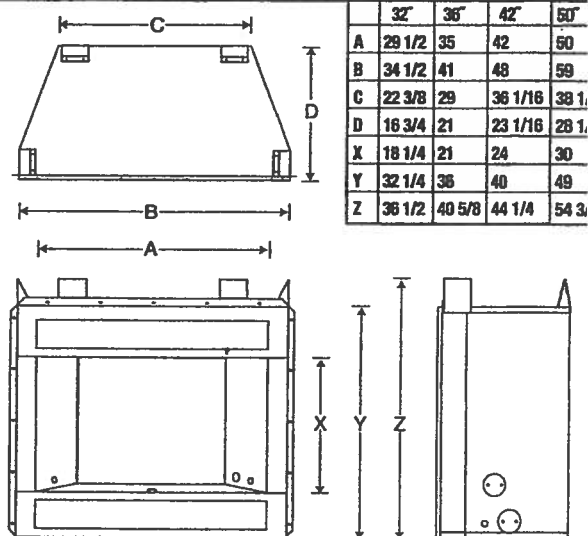


You get straight, solid installation, thanks to our full-length nailing flanges and drywall stops.

Accessory Offering Summary

- Rolled Black Louver Panels
- Louver Trim (Brushed Brass & Platinum)
- Decorative Filigree Panels (Black, Brushed Brass & Platinum)
- Perimeter Trim Kits (Black, Brushed Brass & Platinum)
- Heat Deflection Hoods (Brushed Brass & Platinum)
- Fan Kits
- Standard & Herringbone Refractory Brick Liners

Dimensions (For reference only. Not for installation)



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

0603-48

Reference to a building permit application Number:

Jimmy Johnson Owner Richard Keen lot 14 Block B of Century Oaks Subdivision

On the date of March 16, 2006 application 0603-48 and plans for construction of a 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 0603-48 when making reference to this application.

1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
2. Please show the method the HVAC & WH appliances will be protected as required by the FMC-2004 sections 303.4 Protection from damage. Appliances shall not be installed in a location where subject to mechanical damage unless protected by approved barriers.
3. Please show compliance with the FRC-2004 sections R309 Garage: R309.1
A: Opening protection: Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches

(35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors.

B: R309.1.1 Duct penetration. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.

C: R309.2 Separation required. The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.

4. The attic Access door will be required to have the same fire rating as the door described in section R309.1 of the FRC-2004.
5. On the electrical plan show the location of the electrical panel and include the total amperage rating of the electrical service panel also show the overcurrent protection device which 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.

Thank you,

A handwritten signature in red ink, appearing to read "Joe Haltiwanger", is positioned above the printed name.

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

CENTURY OAKS AVENUE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 16-4S-17-08382-413

Building permit No. 000024321

Use Classification SFD/UTILITY

Fire: 54.51

Permit Holder JAMES H. JOHNSTON, III.

Waste: 0.00

Owner of Building RICHARD KEEN

Total: 54.51

Location: 237 SE FOREST TERR.(CENTURY OAKS, LOT 14)

Date: 07/24/2006



Stacy Dieke

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

STN: Weegje

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001032**

DATE: 03/30/2006 BUILDING PERMIT NO. 24321

APPLICANT CARY CHANDLER PHONE 755.2826

ADDRESS 650 SW MAIN BLVD LAKE CITY FL 32025

OWNER RICHARD KEEN PHONE 365.5999

ADDRESS 237 SE FOREST TERRACE LAKE CITY FL 32025

CONTRACTOR JAMES H. JOHNSTON, III. PHONE 755.2826

LOCATION OF PROPERTY 41-S TO C-252 BY HIGH SCHOOL, TL GO TO FOREST GLEN, TL, IT'S ABOUT 600
YARDS DOWN ON THE ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CENTURY OAKS 14 B

PARCEL ID # 16-4S-17-08382-413

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Cary Chandler

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS:

☒ APPROVED ☐ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: P. Little DATE: 4/3/06

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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



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REPORT ON IN-PLACE DENSITY TESTS

Permit # 000024321

CLIENT: Richard Keen Contractor

PROJECT: Central Oak Lot #13 Lake City, FL
237 S.E. Forest Terr.

AREA TESTED: Fill & prop Bldg. PAD & FOUND

COURSE: FLG

DEPTH OF TEST: 0-1'

TYPE OF TEST: D. 2922

DATE TESTED: 4/12/06

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

REMARKS:

[illegible]

T ECH. TE