

CK# 5237

Called

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0512-66 Date Received 12/29/05 By LH Permit # 936/24012  
 Application Approved by - Zoning Official BLK Date 30.12.05 Plans Examiner OK JTH Date 12-30-05  
 Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dev  
 Comments M.F.E. 104.50' per plat Elevation letter required.

Applicants Name Carey Chandler Phone (386) 755-2826  
 Address 650 S.W. Main Blvd Lake City FL 32025  
 Owners Name Conner Investments, Inc. Phone (386) 623-9633  
 911 Address 243 S.W. Gerald Conner Dr Lake City FL 32024  
 Contractors Name Jimmy Johnston III Phone (386) 755-2826  
 Address 650 S.W. Main Blvd Lake City FL 32025  
 Fee Simple Owner Name & Address Conner Investments, Inc P.O. Box 2255 Lake City FL 32056  
 Bonding Co. Name & Address \_\_\_\_\_  
 Architect/Engineer Name & Address Mark Disaway  
 Mortgage Lenders Name & Address N/A  
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
 Property ID Number 24-45-16-03114-115 Estimated Cost of Construction 95,000.00  
 Subdivision Name Cannon Creek Place Lot 15 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
 Driving Directions Take 90 west TO Sisters Welcome Rd Turn Left Sisters Welcome Rd TO Kicklighter Rd Turn Left + Kicklighter Rd TO Gerald Conner DR Turn Right Lot #15 on Left  
 Type of Construction SFD Number of Existing Dwellings on Property 0  
 Total Acreage .56 Lot Size 1/2 ac. Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive  
 Actual Distance of Structure from Property Lines - Front 44 / Side 35 / Rear 65  
 Total Building Height 17'10" Number of Stories 1 Heated Floor Area 1761 sq ft Roof Pitch 6/12  
528 223 2512

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.

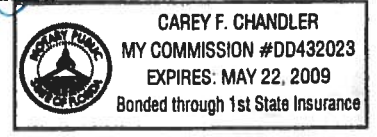
Michael S. Conner  
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 19th day of DEC 2005.  
Personally known  or Produced Identification \_\_\_\_\_

[Signature]  
Contractor Signature  
Contractors License Number CRC1328128  
Competency Card Number \_\_\_\_\_  
NOTARY STAMP/SEAL

Carey Chandler  
Notary Signature



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.

Tax Parcel ID Number 24-4S-16-03114-115

1. Description of property: (legal description of the property and street address or 911 address)  
243 SW Gerald Conner Dr. Lake City, FL 32024

Inst: 2005032430 Date: 12/30/2005 Time: 11:10  
DC, P. DeWitt Cason, Columbia County B: 1069 P: 2490

2. General description of improvement: \_\_\_\_\_

3. Owner Name & Address Conner Investments, Inc - P.O. Box 2255 Lake City, FL 32056  
Interest in Property \_\_\_\_\_

4. Name & Address of Fee Simple Owner (if other than owner): Conner Investments, Inc - P.O. Box 2255, Lake City, FL 32056

5. Contractor Name Jimmy Johnston III Phone Number 386-755-2826  
Address 150 SW Main Blvd, Lake City, FL 32025

6. Surety Holders Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_

7. Lender Name Conner Investments Phone Number 386-23-9633  
Address PO Box 2255 Lake City, FL 32056

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:  
Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_

9. In addition to himself/herself the owner designates \_\_\_\_\_ of \_\_\_\_\_ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) - (a) 7. Phone Number of the designee \_\_\_\_\_

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) \_\_\_\_\_

**NOTICE AS PER CHAPTER 713, Florida Statutes:**

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Michael S. Conner  
Signature of Owner

Sworn to (or affirmed) and subscribed before day of December 30th, 2005

NOTARY STAMP/SEAL  
CAREY F. CHANDLER  
MY COMMISSION #DD482023  
EXPIRES: MAY 22, 2009  
Bonded through 1st State Insurance

Carey Chandler  
Signature of Notary

# Columbia County Property Appraiser

DB Last Updated: 12/8/2005

Parcel: 24-4S-16-03114-115

## 2006 Proposed Values

Tax Record Property Card Interactive GIS Map Print

### Owner & Property Info

<< Prev Search Result: 8 of 28 Next >>

Owner's Name	CONNER INVESTMENTS INC
Site Address	
Mailing Address	P O BOX 2255 LAKE CITY, FL 32056
Brief Legal	LOT 15 CANNON CREEK PLACE S/D. WD 1058-1808.

Use Desc. (code)	VACANT (000000)
Neighborhood	24416.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.560 ACRES

### Property & Assessment Values

Mkt Land Value	cnt: (1)	\$36,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$36,000.00

Just Value	\$36,000.00
Class Value	\$0.00
Assessed Value	\$36,000.00
Exempt Value	\$0.00
Total Taxable Value	\$36,000.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
9/14/2005	1058/1808	WD	V	Q		\$77,800.00

### Building Characteristics

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

### Extra Features & Out Buildings

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

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.560AC)	1.00/1.00/1.00/1.00	\$36,000.00	\$36,000.00

Columbia County Property Appraiser

DB Last Updated: 12/8/2005

Parcel ID# 24-4S-16-03114-115  
911 address for Lot #15

243 S.W Gerald Conner Dr.  
Lake City, Fl 32024

# LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave  
Lake City, FL. 32025  
Phone 386-752-6677  
Fax 386-752-1477

Building Permit # \_\_\_\_\_ Owner's Name: Conner Inv. - Cannon Creek 15

Well Depth \_\_\_\_\_ Ft. Casing Depth \_\_\_\_\_ Ft. Water Level \_\_\_\_\_ Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Red Jacket Pump Model 100F211-20G8 HP 1

System Pressure (PSI) On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 20(GPM)

Tank Installation: Bladder /Galvanized Make Challenger

Model PC 244 Size 81 gallon

Tank Draw-down per cycle at system pressure 25.1 gallons

**I HEREBY VERIFY THAT THIS WATER WELL SYSTEM HAS BEEN  
INSTALLED AS PER THE ABOVE INFORMATION.**

  
Signature

Linda Newcomb  
Print Name

2609  
License Number

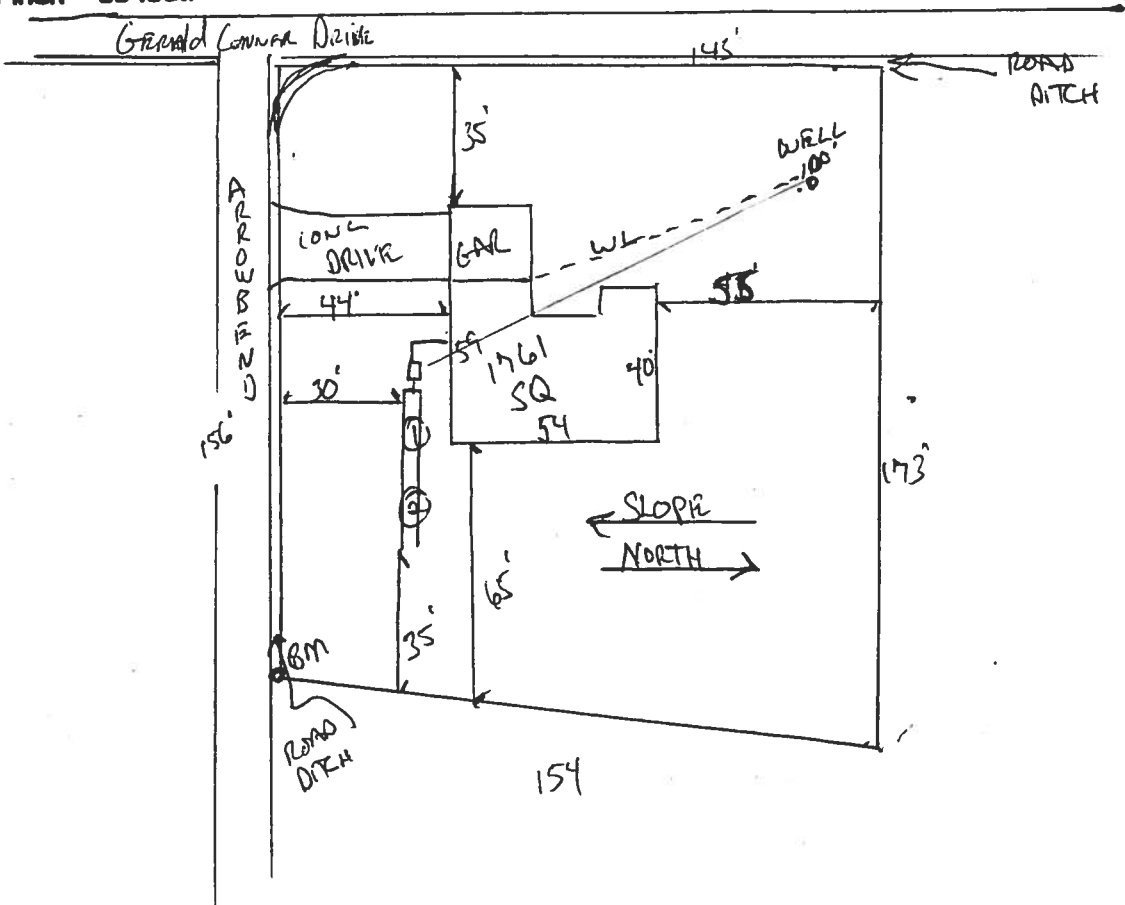
12-27-05  
Date

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

Permit Application Number 05-1176N  
Conner

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



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

Plan submitted by: Rock D F  
 in Approved Mr D W Not Approved \_\_\_\_\_

**MASTER CONTRACTOR**  
 Date 11-18-05  
Columbia County Health Department

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

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

<b>Project Name:</b> 512076ConnerInvestments <b>Address:</b> Lot: 15, Sub: Cannon Creek, Plat: <b>City, State:</b> , FL <b>Owner:</b> Spec House <b>Climate Zone:</b> North	<b>Builder:</b> <b>Permitting Office:</b> Columbia <b>Permit Number:</b> 24012 <b>Jurisdiction Number:</b> 221000
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<table style="width: 100%; border-collapse: collapse;"> <tr><td>1. New construction or existing</td><td style="text-align: right;">New</td><td style="text-align: right;">___</td></tr> <tr><td>2. Single family or multi-family</td><td style="text-align: right;">Single family</td><td style="text-align: right;">___</td></tr> <tr><td>3. Number of units, if multi-family</td><td style="text-align: right;">1</td><td style="text-align: right;">___</td></tr> <tr><td>4. Number of Bedrooms</td><td style="text-align: right;">3</td><td style="text-align: right;">___</td></tr> <tr><td>5. Is this a worst case?</td><td style="text-align: right;">Yes</td><td style="text-align: right;">___</td></tr> <tr><td>6. Conditioned floor area (ft<sup>2</sup>)</td><td style="text-align: right;">1761 ft<sup>2</sup></td><td style="text-align: right;">___</td></tr> <tr><td>7. 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Glass/Floor Area: 0.10	Total as-built points: 26160	PASS
	Total base points: 26534	

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

**PREPARED BY:** Yves [Signature]

**DATE:** 12-13-05

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

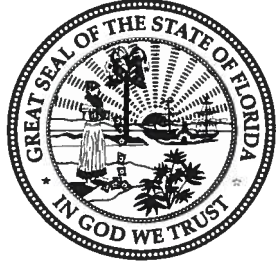
**OWNER/AGENT:** \_\_\_\_\_

**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.  
EnergyGauge® (Version: FLRCSB v4.0)

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Cannon Creek, Plat: , , FL, PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1761.0	20.04	6352.3	Double, Clear	W	1.5	5.5	20.0	38.52	0.90	691.0
				Double, Clear	W	6.0	8.0	42.0	38.52	0.60	974.7
				Double, Clear	W	1.5	5.5	30.0	38.52	0.90	1036.6
				Double, Clear	W	6.0	8.0	20.0	38.52	0.60	464.2
				Double, Clear	N	1.5	5.5	15.0	19.20	0.93	267.3
				Double, Clear	N	1.5	5.5	16.0	19.20	0.93	285.2
				Double, Clear	E	1.5	5.5	16.0	42.06	0.90	603.2
				Double, Clear	E	1.5	4.5	16.0	42.06	0.85	570.7
				Double, Clear	S	1.5	2.5	4.0	35.87	0.61	88.0
				<b>As-Built Total:</b>		179.0			4980.9		
<b>WALL TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	172.0	0.70	120.4	Frame, Wood, Exterior	13.0		1289.0	1.50		1933.5	
Exterior	1289.0	1.70	2191.3	Frame, Wood, Adjacent	13.0		172.0	0.60		103.2	
<b>Base Total:</b>				<b>As-Built Total:</b>		1461.0		2036.7			
<b>DOOR TYPES</b> Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	2.40	48.0	Exterior Insulated			20.0	4.10		82.0	
Exterior	40.0	6.10	244.0	Exterior Insulated			20.0	4.10		82.0	
				Adjacent Insulated			20.0	1.60		32.0	
<b>Base Total:</b>				<b>As-Built Total:</b>		60.0		196.0			
<b>CEILING TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1761.0	1.73	3046.5	Under Attic	30.0		1887.0	1.73 X 1.00		3264.5	
<b>Base Total:</b>				<b>As-Built Total:</b>		1887.0		3264.5			
<b>FLOOR TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	210.0(p)	-37.0	-7770.0	Slab-On-Grade Edge Insulation	0.0		210.0(p)	-41.20		-8652.0	
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>As-Built Total:</b>		210.0		-8652.0			
<b>INFILTRATION</b> Area X BSPM = Points				Area X SPM = Points							
	1761.0	10.21	17979.8				1761.0	10.21		17979.8	

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Cannon Creek, Plat: , , FL, PERMIT #:

BASE				AS-BUILT						
<b>Summer Base Points: 22212.3</b>				<b>Summer As-Built Points: 19805.9</b>						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
<b>22212.3</b>	<b>0.4266</b>		<b>9475.8</b>	(sys 1: Central Unit 27000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 19806                      1.00    (1.09 x 1.147 x 1.00)    0.341                      1.000                      8451.2 <b>19805.9                      1.00                      1.250                      0.341                      1.000                      8451.2</b>						

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Cannon Creek, Plat: , , FL, PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1761.0	12.74	4038.3	Double, Clear	W	1.5	5.5	20.0	20.73	1.03	426.2
				Double, Clear	W	6.0	8.0	42.0	20.73	1.13	987.9
				Double, Clear	W	1.5	5.5	30.0	20.73	1.03	639.3
				Double, Clear	W	6.0	8.0	20.0	20.73	1.13	470.4
				Double, Clear	N	1.5	5.5	15.0	24.58	1.00	369.8
				Double, Clear	N	1.5	5.5	16.0	24.58	1.00	394.4
				Double, Clear	E	1.5	5.5	16.0	18.79	1.04	313.1
				Double, Clear	E	1.5	4.5	16.0	18.79	1.06	318.9
				Double, Clear	S	1.5	2.5	4.0	13.30	1.90	100.8
				<b>As-Built Total:</b>			<b>179.0</b>		<b>4020.9</b>		
<b>WALL TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	172.0	3.60	619.2	Frame, Wood, Exterior	13.0		1289.0	3.40		4382.6	
Exterior	1289.0	3.70	4769.3	Frame, Wood, Adjacent	13.0		172.0	3.30		567.6	
<b>Base Total:</b>				<b>1461.0</b>		<b>5388.5</b>		<b>As-Built Total:</b>		<b>1461.0 4950.2</b>	
<b>DOOR TYPES</b> Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	11.50	230.0	Exterior Insulated			20.0	8.40		168.0	
Exterior	40.0	12.30	492.0	Exterior Insulated			20.0	8.40		168.0	
				Adjacent Insulated			20.0	8.00		160.0	
<b>Base Total:</b>				<b>60.0</b>		<b>722.0</b>		<b>As-Built Total:</b>		<b>60.0 496.0</b>	
<b>CEILING TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1761.0	2.05	3610.0	Under Attic	30.0		1887.0	2.05 X 1.00		3868.3	
<b>Base Total:</b>				<b>1761.0</b>		<b>3610.0</b>		<b>As-Built Total:</b>		<b>1887.0 3868.3</b>	
<b>FLOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	210.0(p)	8.9	1869.0	Slab-On-Grade Edge Insulation	0.0		210.0(p)	18.80		3948.0	
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>1869.0</b>		<b>As-Built Total:</b>		<b>210.0</b>		<b>3948.0</b>	
<b>INFILTRATION</b> Area X BWPM = Points				Area X WPM = Points							
1761.0 -0.59 -1039.0				1761.0 -0.59 -1039.0							

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Cannon Creek, Plat: , , FL, PERMIT #:

BASE			AS-BUILT					
<b>Winter Base Points: 14588.9</b>			<b>Winter As-Built Points: 16244.4</b>					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
14588.9	0.6274	9153.1	(sys 1: Electric Heat Pump 27000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			16244.4	1.000	(1.069 x 1.169 x 1.00)	0.487	1.000	9889.0
			<b>16244.4</b>	<b>1.00</b>	<b>1.250</b>	<b>0.487</b>	<b>1.000</b>	<b>9889.0</b>

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Cannon Creek, Plat: , , FL,	PERMIT #:
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BASE	AS-BUILT
<b>WATER HEATING</b>	
Number of Bedrooms X Multiplier = Total	Tank Volume EF Number of Bedrooms X Tank X Multiplier X Credit = Total Multiplier
3                      2635.00                      7905.0	40.0    0.93                      3                      1.00                      2606.67                      1.00                      7820.0
	<b>As-Built Total: 7820.0</b>

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points + Heating Points + Hot Water Points = Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points = Total Points
<b>9476</b>	<b>9153</b>	<b>7905</b>	<b>26534</b>	<b>8451</b>	<b>9889</b>	<b>7820</b>	<b>26160</b>

PASS



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Cannon Creek, Plat: , , FL,

PERMIT #:

### 6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circ 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\* = 83.0**

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

Spec House, Lot: 15, Sub: Cannon Creek, Plat: , , FL,

<p>1. New construction or existing <span style="float: right;">New</span> <input type="checkbox"/></p> <p>2. Single family or multi-family <span style="float: right;">Single family</span> <input type="checkbox"/></p> <p>3. Number of units, if multi-family <span style="float: right;">1</span> <input type="checkbox"/></p> <p>4. Number of Bedrooms <span style="float: right;">3</span> <input type="checkbox"/></p> <p>5. Is this a worst case? <span style="float: right;">Yes</span> <input type="checkbox"/></p> <p>6. Conditioned floor area (ft<sup>2</sup>) <span style="float: right;">1761 ft<sup>2</sup></span> <input type="checkbox"/></p> <p>7. Glass type<sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)</p> <p style="margin-left: 20px;">a. U-factor: <span style="float: right;">Description Area</span></p> <p style="margin-left: 40px;">(or Single or Double DEFAULT) 7a. (Dble Default) 154.0 ft<sup>2</sup> <input type="checkbox"/></p> <p style="margin-left: 20px;">b. SHGC: <span style="float: right;">7b. (Clear) 154.0 ft<sup>2</sup></span> <input type="checkbox"/></p> <p style="margin-left: 40px;">(or Clear or Tint DEFAULT)</p> <p>8. Floor types</p> <p style="margin-left: 20px;">a. Slab-On-Grade Edge Insulation <span style="float: right;">R=0.0, 210.0(p) ft</span> <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>9. Wall types</p> <p style="margin-left: 20px;">a. Frame, Wood, Exterior <span style="float: right;">R=13.0, 1289.0 ft<sup>2</sup></span> <input type="checkbox"/></p> <p style="margin-left: 20px;">b. Frame, Wood, Adjacent <span style="float: right;">R=13.0, 172.0 ft<sup>2</sup></span> <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">d. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">e. N/A <input type="checkbox"/></p> <p>10. Ceiling types</p> <p style="margin-left: 20px;">a. Under Attic <span style="float: right;">R=30.0, 1887.0 ft<sup>2</sup></span> <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>11. Ducts</p> <p style="margin-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Garage <span style="float: right;">Sup. R=6.0, 180.0 ft</span> <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p>	<p>12. Cooling systems</p> <p style="margin-left: 20px;">a. Central Unit <span style="float: right;">Cap: 27.0 kBtu/hr</span> <input type="checkbox"/></p> <p style="margin-left: 40px;">SEER: 10.00 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>13. Heating systems</p> <p style="margin-left: 20px;">a. Electric Heat Pump <span style="float: right;">Cap: 27.0 kBtu/hr</span> <input type="checkbox"/></p> <p style="margin-left: 40px;">HSPF: 7.00 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>14. Hot water systems</p> <p style="margin-left: 20px;">a. Electric Resistance <span style="float: right;">Cap: 40.0 gallons</span> <input type="checkbox"/></p> <p style="margin-left: 40px;">EF: 0.93 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. Conservation credits <input type="checkbox"/></p> <p style="margin-left: 40px;">(HR-Heat recovery, Solar</p> <p style="margin-left: 40px;">DHP-Dedicated heat pump)</p> <p>15. HVAC credits <input type="checkbox"/></p> <p style="margin-left: 20px;">(CF-Ceiling fan, CV-Cross ventilation,</p> <p style="margin-left: 20px;">HF-Whole house fan,</p> <p style="margin-left: 20px;">PT-Programmable Thermostat,</p> <p style="margin-left: 20px;">MZ-C-Multizone cooling,</p> <p style="margin-left: 20px;">MZ-H-Multizone heating)</p>
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I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

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

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



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

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.  
EnergyGauge® (Version: FLRCSB v4.0)

# BUILDING INPUT SUMMARY REPORT

PROJECT	<b>Title:</b> 512076ConnerInvestments <b>Owner:</b> Spec House <b># of Units:</b> 1 <b>Builder Name:</b> (blank) <b>Climate:</b> North <b>Permit Office:</b> (blank) <b>Jurisdiction #:</b> (blank)		<b>Family Type:</b> Single <b>New/Existing:</b> New <b>Bedrooms:</b> 3 <b>Conditioned Area:</b> 1761 <b>Total Stories:</b> 1 <b>Worst Case:</b> Yes <b>Rotate Angle:</b> (blank)		<b>Address Type:</b> Lot Information <b>Lot #:</b> 15 <b>Subdivision:</b> Cannon Creek <b>Platbook:</b> (blank) <b>Street:</b> N/A <b>County:</b> Columbia <b>City, St, Zip:</b> , FL,																																																																																										
FLOORS	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Floor Type</th> <th>R-Val</th> <th>Area/Perimeter</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Slab-On-Grade Edge Insulation</td> <td>0.0</td> <td>210.0(p) ft</td> <td>1</td> </tr> </tbody> </table>	#	Floor Type	R-Val	Area/Perimeter	Units	1	Slab-On-Grade Edge Insulation	0.0	210.0(p) ft	1	DOORS	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Door Type</th> <th>Orientation</th> <th>Area</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Insulated</td> <td>Exterior</td> <td>10.0 ft²</td> <td>2</td> </tr> <tr> <td>2</td> <td>Insulated</td> <td>Exterior</td> <td>20.0 ft²</td> <td>1</td> </tr> <tr> <td>3</td> <td>Insulated</td> <td>Adjacent</td> <td>20.0 ft²</td> <td>1</td> </tr> </tbody> </table>	#	Door Type	Orientation	Area	Units	1	Insulated	Exterior	10.0 ft²	2	2	Insulated	Exterior	20.0 ft²	1	3	Insulated	Adjacent	20.0 ft²	1																																																														
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	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units																																																																																							
1	Double	Clear	N	20.0 ft²	1.5 ft	5.5 ft	1																																																																																								
2	Double	Clear	N	42.0 ft²	6.0 ft	8.0 ft	1																																																																																								
3	Double	Clear	N	15.0 ft²	1.5 ft	5.5 ft	2																																																																																								
4	Double	Clear	N	10.0 ft²	6.0 ft	8.0 ft	2																																																																																								
5	Double	Clear	E	15.0 ft²	1.5 ft	5.5 ft	1																																																																																								
6	Double	Clear	E	16.0 ft²	1.5 ft	5.5 ft	1																																																																																								
7	Double	Clear	S	16.0 ft²	1.5 ft	5.5 ft	1																																																																																								
8	Double	Clear	S	16.0 ft²	1.5 ft	4.5 ft	1																																																																																								
9	Double	Clear	W	4.0 ft²	1.5 ft	2.5 ft	1																																																																																								
#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length																																																																																										
1	Uncond.	Uncond.	Garage	6.0	180.0 ft																																																																																										
WATER	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>System Type</th> <th>EF</th> <th>Cap.</th> <th>Conservation Type</th> <th>Con. EF</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electric Resistance</td> <td>0.93</td> <td>40.0</td> <td>None</td> <td>0.00</td> </tr> </tbody> </table>	#	System Type	EF	Cap.	Conservation Type	Con. EF	1	Electric Resistance	0.93	40.0	None	0.00	REFR.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Use Default?</th> <th>Annual Operating Cost</th> <th>Electric Rate</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Yes</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	#	Use Default?	Annual Operating Cost	Electric Rate	1	Yes	N/A	N/A																																																																								
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**CONNER INVESTMENTS**  
**OF**

**O C C U P A N C Y**

**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 24-4S-16-03114-115

Building permit No. 000024012

Use Classification SFD, UTILITY

Fire: 55.80

Permit Holder JIMMY JOHNSTON

Waste: 167.50

Owner of Building CONNER INVESTMENTS, INC

Total: 223.30

Location: 243 GERALD CONNER DRIVE

Date: 12/12/2006



Building Inspector

**POST IN A CONSPICUOUS PLACE**  
**(Business Places Only)**

# Columbia County Building Department Culvert Permit

Culvert Permit No.  
000000936

DATE 01/03/2006 PARCEL ID # 24-4S-16-03114-115  
APPLICANT JIMMY JOHNSTON PHONE 755-2826  
ADDRESS 650 SW MAIN BLVD LAKE CITY FL 32024  
OWNER CONNER INVESTMENTS, INC PHONE 623-9633  
ADDRESS 243 SW GERALD CNNER DRIVE LAKE CITY FL 32024  
CONTRACTOR JIMMY JOHNSTON III PHONE 755-2826  
LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME ROAD, TL ON KICKLIGHTER, TR ON GERALD CONNER,

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 15

SIGNATURE 

### INSTALLATION REQUIREMENTS

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

Culvert installation shall conform to the approved site plan standards.

Department of Transportation Permit installation approved standards.

Other \_\_\_\_\_

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED  
DURING THE INSTALATION OF THE CULVERT.

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

Amount Paid 25.00



**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE  
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 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 1609 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 106.1). If licensed architect or engineer, official seal shall be affixed.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b><u>Site Plan including:</u></b> 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"/>	<b><u>Wind-load Engineering Summary, calculations and any details required</u></b> Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, I <sub>w</sub> , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m <sup>2</sup> ) 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"/>	<b><u>Elevations including:</u></b> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation

- 
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- 
- 

- d) Location, size and height above roof of chimneys.
- e) Location and size of skylights
- f) Building height
- e) Number of stories

**Floor Plan including:**

- 
- 
- 

- a) Rooms labeled and dimensioned.
- b) Shear walls identified.
- c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).
- d) Show safety glazing of glass, where required by code.
- e) Identify egress windows in bedrooms, and size.
- f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).
- g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
- h) Must show and identify accessibility requirements (accessible bathroom)

**Foundation Plan including:**

- 
- 
- 
- 

- a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel.

**Roof System:**

- 
- 

- a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 106.1.1.2) Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

**Wall Sections including:**

- 

- a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termitecide or alternative method)
  10. Slab on grade
    - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:
    - a. Attic space
    - b. Exterior wall cavity

c. 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, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) 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 (termiticide or alternative method)
11. Slab on grade
  - a. Vapor retarder (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

h) Exhaust fans in bathroom

**HVAC information**

a) Energy Calculations (dimensions shall match plans)

b) Manual J sizing equipment or equivalent computation

c) 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

# Residential System Sizing Calculation

## Summary

Spec House  
, FL

Project Title:  
512076ConnerInvestments

Class 3 Rating  
Registration No. 0  
Climate: North

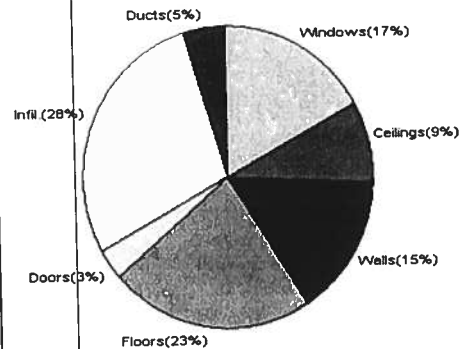
12/13/2005

Location for weather data: Orlando - Defaults: Latitude(28) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(44gr.)			
Winter design temperature	38 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	32 F	Summer temperature difference	18 F
<b>Total heating load calculation</b>	<b>23844 Btuh</b>	<b>Total cooling load calculation</b>	<b>23571 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	113.2 27000	Sensible (SHR = 0.5)	78.2 13500
Heat Pump + Auxiliary(0.0kW)	113.2 27000	Latent	214.0 13500
		Total (Electric Heat Pump)	114.5 27000

## WINTER CALCULATIONS

Winter Heating Load (for 1761 sqft)

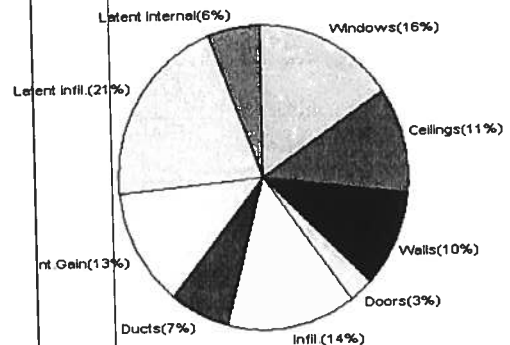
Load component		Load	
Window total	179 sqft	4153	Btuh
Wall total	1461 sqft	3627	Btuh
Door total	60 sqft	790	Btuh
Ceiling total	1887 sqft	2076	Btuh
Floor total	210 ft	5439	Btuh
Infiltration	188 cfm	6625	Btuh
<b>Subtotal</b>		<b>22709</b>	<b>Btuh</b>
Duct loss		1135	Btuh
<b>TOTAL HEAT LOSS</b>		<b>23844</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1761 sqft)

Load component		Load	
Window total	179 sqft	3724	Btuh
Wall total	1461 sqft	2422	Btuh
Door total	60 sqft	608	Btuh
Ceiling total	1887 sqft	2680	Btuh
Floor total		0	Btuh
Infiltration	165 cfm	3261	Btuh
Internal gain		3000	Btuh
<b>Subtotal(sensible)</b>		<b>15694</b>	<b>Btuh</b>
Duct gain		1569	Btuh
<b>Total sensible gain</b>		<b>17264</b>	<b>Btuh</b>
Latent gain(infiltration)		4927	Btuh
Latent gain(internal)		1380	Btuh
<b>Total latent gain</b>		<b>6307</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>23571</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: 12-13-05

# System Sizing Calculations - Winter

## Residential Load - Component Details

Spec House

Project Title:  
512076ConnerInvestments

Class 3 Rating  
Registration No. 0  
Climate: North

, FL

Reference City: Orlando (Defaults) Winter Temperature Difference: 32.0 F

12/13/2005

Window	Panes/SHGC/Frame/U	Orientation	Area	X	HTM=	Load
1	2, Clear, Metal, DEF	N	20.0		23.2	464 Btuh
2	2, Clear, Metal, DEF	N	42.0		23.2	974 Btuh
3	2, Clear, Metal, DEF	N	30.0		23.2	696 Btuh
4	2, Clear, Metal, DEF	N	20.0		23.2	464 Btuh
5	2, Clear, Metal, DEF	E	15.0		23.2	348 Btuh
6	2, Clear, Metal, DEF	E	16.0		23.2	371 Btuh
7	2, Clear, Metal, DEF	S	16.0		23.2	371 Btuh
8	2, Clear, Metal, DEF	S	16.0		23.2	371 Btuh
9	2, Clear, Metal, DEF	W	4.0		23.2	93 Btuh
Window Total			179			4153 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Exterior	13.0	1289		2.6	3351 Btuh
2	Frame - Adjacent	13.0	172		1.6	275 Btuh
Wall Total			1461			3627 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exter		20		15.0	301 Btuh
2	Insulated - Exter		20		15.0	301 Btuh
3	Insulated - Adjac		20		9.4	188 Btuh
Door Total			60			790Btuh
Ceilings	Type	R-Value	Area	X	HTM=	Load
1	Under Attic	30.0	1887		1.1	2076 Btuh
Ceiling Total			1887			2076Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	210.0 ft(p)		25.9	5439 Btuh
Floor Total			210			5439 Btuh
Infiltration	Type	ACH X	Building Volume		CFM=	Load
	Natural	0.80	14088(sqft)		188	6625 Btuh
	Mechanical				0	0 Btuh
Infiltration Total					188	6625 Btuh

<b>Totals for Heating</b>	<b>Subtotal</b>	<b>22709 Btuh</b>
	<b>Duct Loss(using duct multiplier of 0.05)</b>	<b>1135 Btuh</b>
	<b>Total Btuh Loss</b>	<b>23844 Btuh</b>

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

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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

# System Sizing Calculations - Summer

## Residential Load - Component Details

Spec House

Project Title:  
512076ConnerInvestments

Class 3 Rating  
Registration No. 0  
Climate: North

, FL

Reference City: Orlando (Defaults) Summer Temperature Difference: 18.0 F

12/13/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, B, N	N	1.5	5.5	20.0	0.0	20.0	15	15	300 Btuh
2	2, Clear, DEF, B, N	N	6	8	42.0	0.0	42.0	15	15	630 Btuh
3	2, Clear, DEF, B, N	N	1.5	5.5	30.0	0.0	30.0	15	15	450 Btuh
4	2, Clear, DEF, B, N	N	6	8	20.0	0.0	20.0	15	15	300 Btuh
5	2, Clear, DEF, B, N	E	1.5	5.5	15.0	0.0	15.0	15	46	690 Btuh
6	2, Clear, DEF, B, N	E	1.5	5.5	16.0	0.0	16.0	15	46	736 Btuh
7	2, Clear, DEF, B, N	S	1.5	5.5	16.0	16.0	0.0	15	24	240 Btuh
8	2, Clear, DEF, B, N	S	1.5	4.5	16.0	16.0	0.0	15	24	240 Btuh
9	2, Clear, DEF, B, N	W	1.5	2.5	4.0	1.5	2.5	15	46	138 Btuh
Window Total				179					3724 Btuh	
<b>Walls</b>	Type	R-Value		Area			HTM		Load	
1	Frame - Exterior	13.0		1289.0			1.7		2243 Btuh	
2	Frame - Adjacent	13.0		172.0			1.0		179 Btuh	
Wall Total				1461.0					2422 Btuh	
<b>Doors</b>	Type	R-Value		Area			HTM		Load	
1	Insulated - Exter			20.0			10.1		203 Btuh	
2	Insulated - Exter			20.0			10.1		203 Btuh	
3	Insulated - Adjac			20.0			10.1		203 Btuh	
Door Total				60.0					608 Btuh	
<b>Ceilings</b>	Type/Color	R-Value		Area			HTM		Load	
1	Under Attic/Dark	30.0		1887.0			1.4		2680 Btuh	
Ceiling Total				1887.0					2680 Btuh	
<b>Floors</b>	Type	R-Value		Size			HTM		Load	
1	Slab-On-Grade Edge Insulation	0.0		210.0 ft(p)			0.0		0 Btuh	
Floor Total				210.0					0 Btuh	
<b>Infiltration</b>	Type	ACH		Volume			CFM=		Load	
	Natural	0.70		14088			164.7		3261 Btuh	
	Mechanical						0		0 Btuh	
Infiltration Total							165		3261 Btuh	
<b>Internal gain</b>	Occupants		Btuh/occupant		Appliance		Load			
	6		X 300 +		1200		3000 Btuh			

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Spec House  
 , FL

Project Title:  
 512076ConnerInvestments

Class 3 Rating  
 Registration No. 0  
 Climate: North

12/13/2005

<b>Totals for Cooling</b>	<b>Subtotal</b>	<b>15694 Btuh</b>
	<b>Duct gain(using duct multiplier of 0.10)</b>	<b>1569 Btuh</b>
	<b>Total sensible gain</b>	<b>17264 Btuh</b>
	<b>Latent infiltration gain (for 44 gr. humidity difference)</b>	<b>4927 Btuh</b>
	<b>Latent occupant gain (6 people @ 230 Btuh per person)</b>	<b>1380 Btuh</b>
	<b>Latent other gain</b>	<b>0 Btuh</b>
	<b>TOTAL GAIN</b>	<b>23571 Btuh</b>

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)  
 (U - Window U-Factor or 'DEF' for default)  
 (InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))  
 (ExSh - Exterior shading device: none(N) or numerical value)  
 (Ornt - compass orientation)



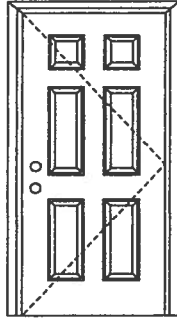


**X**  
 Opaque Inswing Unit

**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".



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

**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.

**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



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



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).



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

Warnock Hersey



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.

2

**Oakcraft**  
Wood-grain, *ARTEK* Textured  
FIBERGLASS ENTRY DOORS

**ARTEK**  
Non-Textured Fiberglass Entry Doors

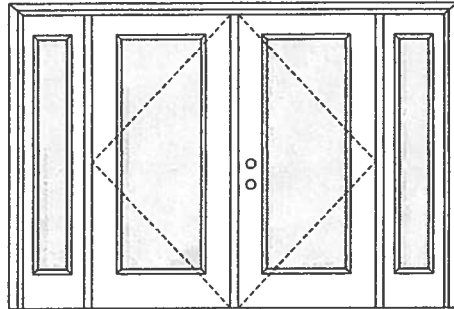
**PREMDOR** Collection  
Premium Quality Doors

Exclusively from  
**Masonite**  
Masonite International Corporation

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

**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.etsenko.com](http://www.etsenko.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

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

Double Door with 2 Sidelites  
Maximum unit size = 12'0" x 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:**

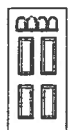
Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0005-02 or MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

**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

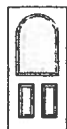


136 Series

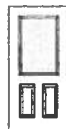


822 Series

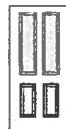
**1/2 GLASS:**



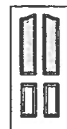
105 Series



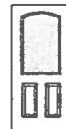
106, 160 Series\*



129 Series\*



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



107 Series\*



108 Series



304 Series

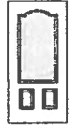
\*This glass kit may also be used in the following door style: Eyebrow 5-panel with scroll.

**FIBERGLASS DOORS**

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



404 Series

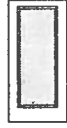


410 Series

**FULL GLASS:**



109 Series



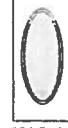
114, 120, 122 Series



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 Balthazor*

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 - available from the ITS/WH website ([www.itswh.com](http://www.itswh.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.



June 17, 2002  
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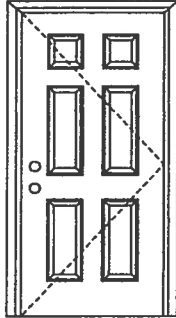


**X**  
Opaque Inswing Unit

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.itssemko.com](http://www.itssemko.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.

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

**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.

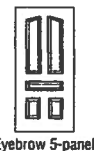
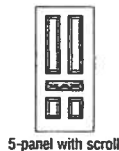
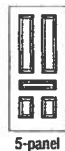
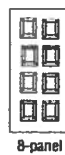
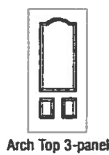
**MINIMUM ASSEMBLY DETAIL:**

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:**



**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

**X**

Opaque Inswing Unit

COP-WL-JH4101-02

## WOOD-EDGE STEEL DOORS

### CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

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

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

Frame constructed of wood with an extruded aluminum threshold.

### PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH  
MIAMI-DADE BCCO  
PA201, PA202 & PA203

COMPANY NAME  
CITY, STATE

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



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



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

**Johnson**  
**EntrySystems**

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

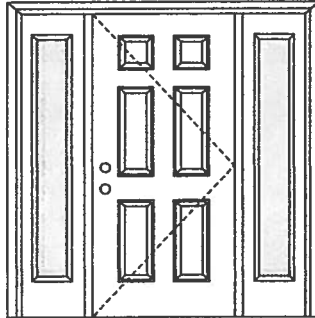
PREMDOR Collection  
Premium Quality Doors

Exclusively from  
**Masonite**

Masonite International Corporation

**WOOD-EDGE STEEL DOORS**

**APPROVED ARRANGEMENT:**



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

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

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

**Design Pressure**  
+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.

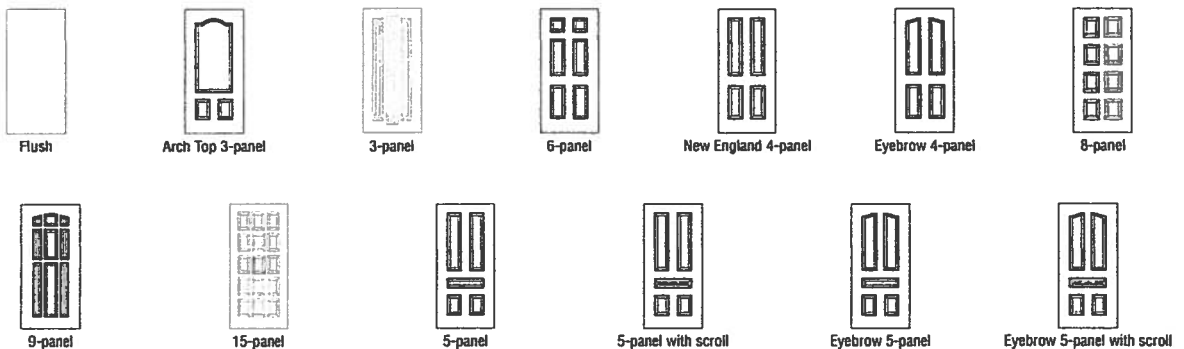
**MINIMUM ASSEMBLY DETAIL:**

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:**

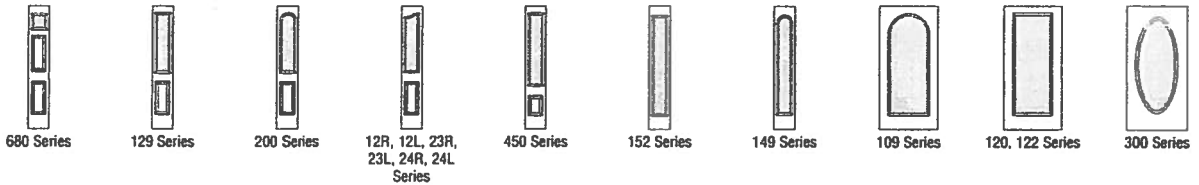
Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

**APPROVED DOOR STYLES:**



**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.eltsemko.com](http://www.eltsemko.com)), the Masonite website ([www.masonite.com](http://www.masonite.com)) or the Masonite technical center.



**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**

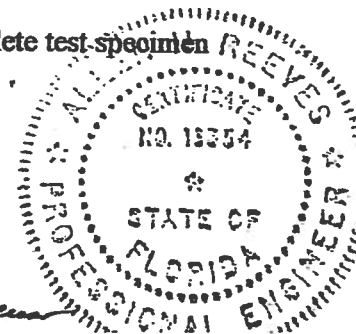
<b>Title of Test</b>	<b>Results</b>
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft <sup>2</sup>
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb





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

Rendered to

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

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

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

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

**Test Specimen Description:**

**Series/Model:** 650 Fin

**Type:** Aluminum Single Hung Window

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

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

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

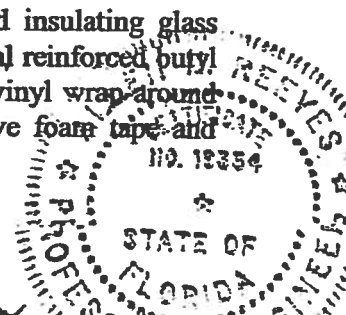
**Screen Size:** 4' 0-1/4" wide by 2' 11-1/8" high

**Finish:** All aluminum was white.

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

130 Dery Court  
Gratz, PA 17023-9405  
phone: 717.764.7700  
fax: 717.764.4129  
www.archtest.com

*Allen N. Reum*



**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

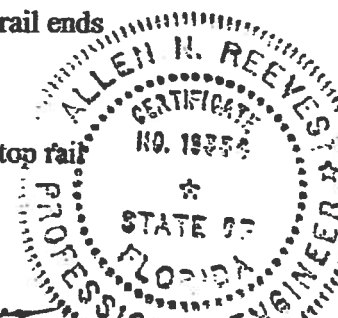
**Frame Construction:** The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap.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



**Test Specimen Description: (Continued)**

**Drainage:** Sloped sill

**Reinforcement:** No reinforcement was utilized.

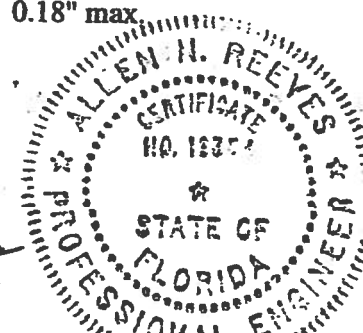
**Installation:** The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

**Test Results:**

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft <sup>2</sup>	0.3 cfm/ft <sup>2</sup> max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.
	<i>*Exceeds L/175 for deflection, but passes all other test requirements.</i>		
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.

*Allen H. Reeves*  
1 APRIL 2002



**Test Specimen Description: (Continued)**

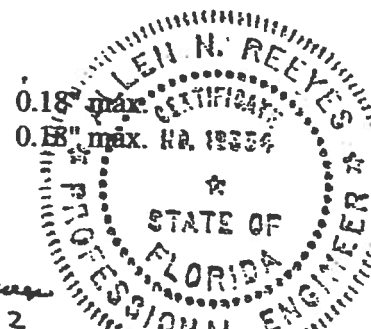
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile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

Optional Performance

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

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

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



*Allen N. Reeves*  
1 APRIL 2002

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

For ARCHITECTURAL TESTING, INC:



Mark A. Hess  
Technician

MAH:nlb  
01-41134.01



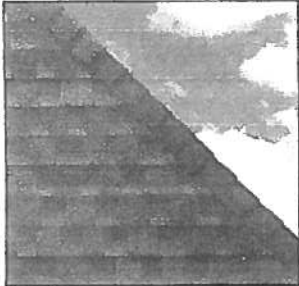
Allen N. Reeves, P.E.  
Director - Engineering Services  
1 APRIL 2002



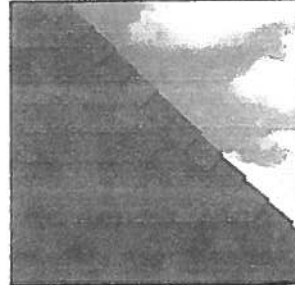


# ELK

## ROOFING PRODUCTS SPECIFICATIONS - TUSCALOOSA, AL



**PRESTIQUE®  
HIGH DEFINITION®**



**RAISED PROFILE™**

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

Product size \_\_\_\_\_ 13 1/4" x 39 3/4"  
Exposure \_\_\_\_\_ 5 1/2"  
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 \_\_\_\_\_ 13 1/4" x 38 3/4"  
Exposure \_\_\_\_\_ 5 1/2"  
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 \_\_\_\_\_ 13 1/4" x 39 3/4"  
Exposure \_\_\_\_\_ 5 1/2"  
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: 6 1/2"  
Pieces/Bundle: 45  
Coverage: 4 Bundles = 100 linear feet

**Prestique *High Definition***

Product size \_\_\_\_\_ 13 1/4" x 38 3/4"  
Exposure \_\_\_\_\_ 5 1/2"  
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, Shakerwood, 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 (8) or e-mail [specinfo@elkcorp.com](mailto:specinfo@elkcorp.com).

SOUTHEAST &  
ATLANTIC OFFICE:  
800.945.5551

CORPORATE HEADQUARTERS:  
800.354.7732

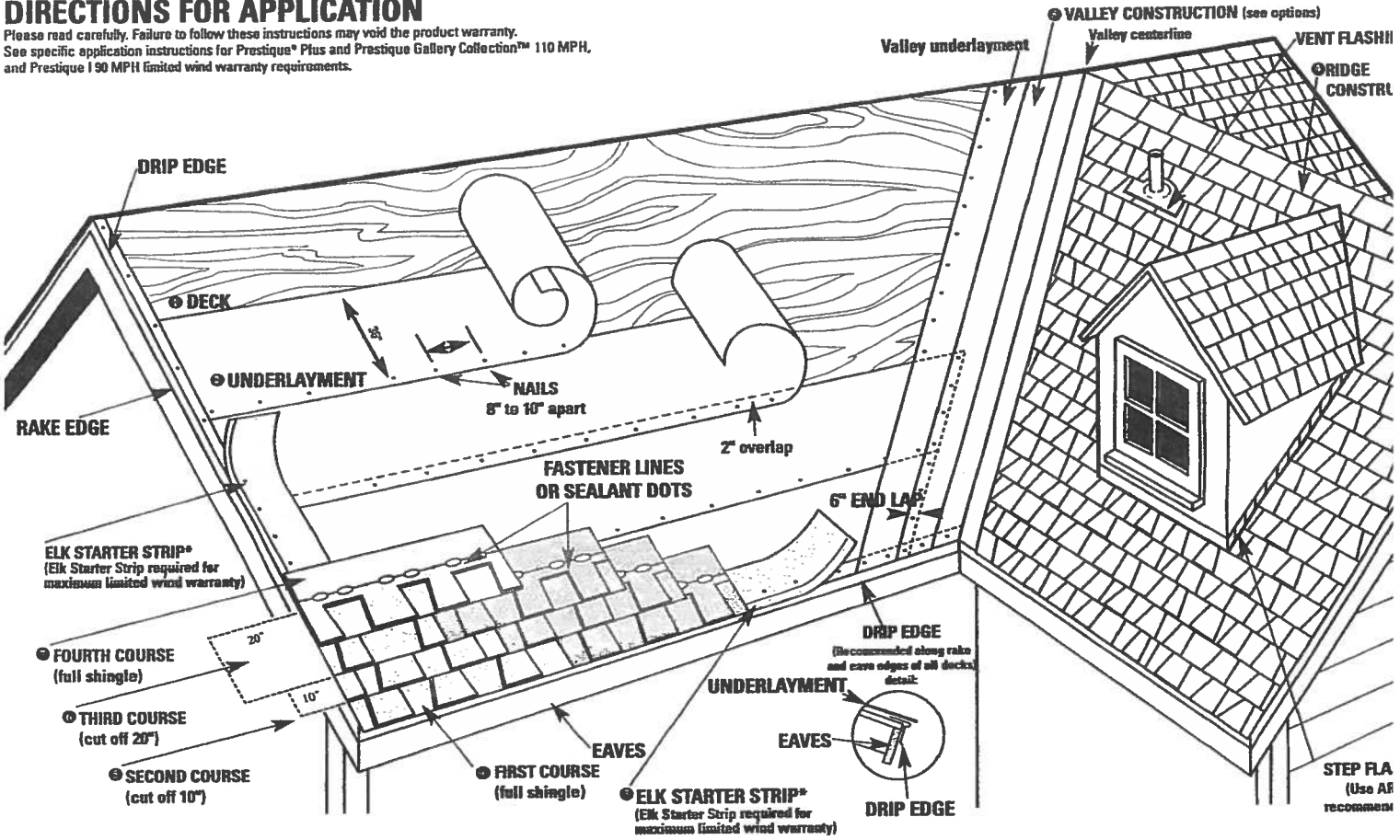
PLANT LOCATION:  
800.945.5545

**ELK**  
[www.elkcorp.com](http://www.elkcorp.com)

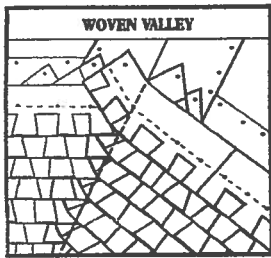
SSOOT 01

# DIRECTIONS FOR APPLICATION

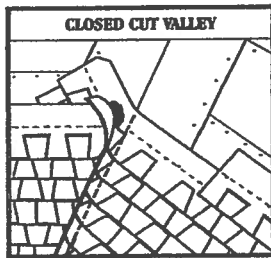
Please read carefully. Failure to follow these instructions may void the product warranty. See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH, and Prestique 1 90 MPH limited wind warranty requirements.



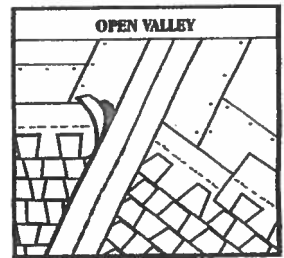
Ⓢ **VALLEY CONSTRUCTION OPTION** (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing I



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.

### ① 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.

### ② 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 15" 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.

### ③ 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.

### ④ 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.

### ⑤ SECOND COURSE

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

### ⑥ THIRD COURSE

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

### ⑦ 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.

### ⑧ 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.

### ⑨ 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.

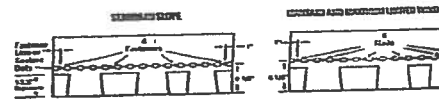
Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less.

### 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.

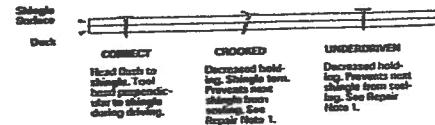
### LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestige 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 Prestige Gallery Collection or Prestige Plus or 90 MPH for Prestige 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 Prestige Plus, Prestige Gallery Collection and Prestige 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 or staples 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 line with sealant dots.



**REPAIR Note 1**  
Fasten nail head to prevent  
displacement with next shingle.  
Drive another nail nearby.

**REPAIR Note 2**  
Drive another nail nearby. Seal  
overlapped nail with asphalt  
plastic cement.

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

**CAUTION TO WHOLESALE:** Careless and improper storage or handling can harm fiberglass and 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. **DOUBLE STACK.** Systematically rotate all material that has been stored the first to 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

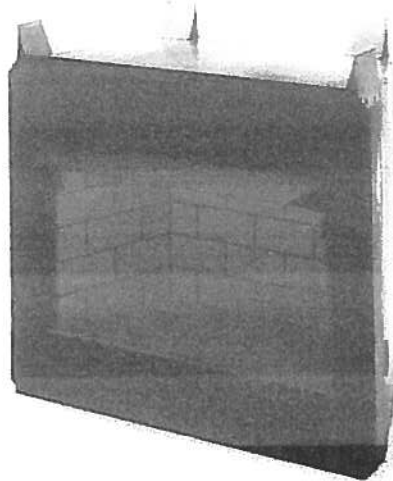
There's a growing demand for vent-free gas fireplaces because they're 99 percent energy-efficient and can be installed virtually anywhere. FMI's Colonial vent-free models deliver these benefits and more. They're part of our exciting new Renaissance Series, which offers a consistent look, sizing and construction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

### Homeowner Highlights:

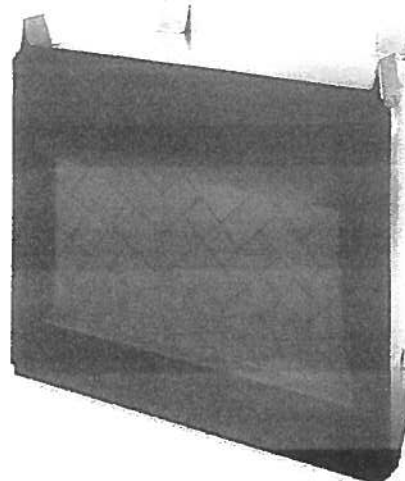
- **Visual appeal**—The industry's finest textured refractory brick liner (except 32") offers the attractive look of a true masonry fireplace.
- **Many luxury features are standard**—The Colonial comes standard with a heat deflection hood, hidden screen pockets (except 50"), stamped steel louvered panels, 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.



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

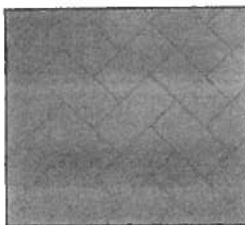


V42 is FMI's 42" louvered-face fireplace shown with optional herringbone textured refractory brick-lined interior.

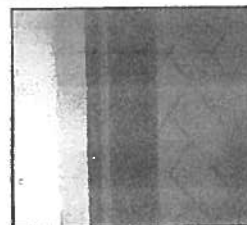
### Colonial Vent-Free Fireplace Product Offering Summary

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.

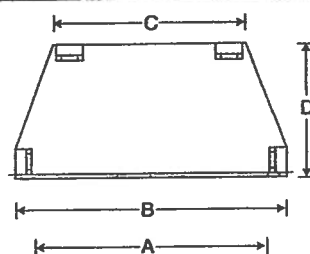


You get straight, solid installation, thanks to our full-length nailing flanges and drywall stops.

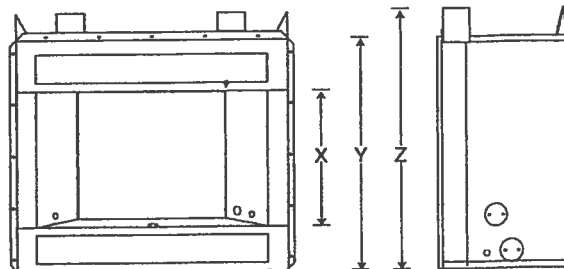
### Accessory Offering Summary

- 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)



	32"	36"	42"	50"
A	29 1/2	35	42	50
B	34 1/2	41	48	59
C	22 3/8	29	36 1/8	38
D	16 3/4	21	23 1/8	28
X	18 1/4	21	24	30
Y	32 1/4	36	40	49
Z	36 1/2	40 5/8	44 1/4	54



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



# New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525  
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

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

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

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

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

*[Handwritten signature]* 2/18/06

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

Company Name: Aspen Pest Control, Inc.  
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055  
Company Business License No. JF104376 Company Phone No. 386-755-3611  
FHA/VA Case No. (if any) \_\_\_\_\_

## Section 2: Builder Information

Company Name: Conner Investments Company Phone No. 623-9633

## Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 243 Gerald Conner Dr. Lake City, FL 32024  
Lot # 15  
Type of Construction (More than one box may be checked)  Slab  Basement  Crawl  Other \_\_\_\_\_  
Approximate Depth of Footing: Outside \_\_\_\_\_ Inside 3' Type of Fill Sand

## Section 4: Treatment Information

Date(s) of Treatment(s) 2/18/06  
Brand Name of Product(s) Used Cyper TC  
EPA Registration No. \_\_\_\_\_  
Approximate Final Mix Solution % 0.5%  
Approximate Size of Treatment Area: Sq. ft. 2512 Linear ft. 2108 Linear ft. of Masonry Voids 252  
Approximate Total Gallons of Solution Applied 725 gals  
Was treatment completed on exterior?  Yes  No  
Service Agreement Available?  Yes  No

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

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

Comments \_\_\_\_\_

Name of Applicator(s) S. Gregory Certification No. (if required by State law) JF104376

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

Authorized Signature Shannon Gregory Date 2/18/06

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

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)



Land Surveyors  
and Mappers

## BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055  
Phone (386) 752-7163 • Fax (386) 752-5573

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03/02/06

L-17130

To Whom It May Concern:

C/o: Mike Conner

Re: Lot 15 Cannon Creek Place

The elevation of the foundation is found to be 101.70 feet. The proposed floor elevation is shown to be 104.00 feet on the plat of record. The highest adjacent grade is 100.89 feet and the lowest adjacent grade is 98.6 feet. Elevations are based on NGVD29 datum. There is a 6" spike set in a power pole near the SW corner of lot 15 whose elevation is 100.50 feet, also the elevation of the top of the SE corner is 96.46 feet.

L. Scott Britt  
PLS #5757

- 24012 -

.....

# Huey Hawkins, P.E.

January 16, 2006

Building Inspector  
Columbia County, Fl.

Re: Lot 15, Cannon Creek Place S/D  
Construction Permit No. 24012

Dear Sir:

Mr. Mike Conner brought to my attention a possible bad floor elev. At Cannon Creek Place. Please be advised that after reviewing Lot 15, Cannon Creek Place, I found the finished floor elev. of 104.5 is a typographical error and should be revised to elev. 100.5. The finished floor elev. shall be no less than 12", at any location, above finished ground grade at completion of construction.

Attached please find a copy of the revised construction drawing showing the revised elev. on the floor elev. of lot 15.



Huey Hawkins, P.E.

seal

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