

CK# 527 528 permit

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0609-93 Date Received 9-29-06 By LL Permit # 1238/25116
 Application Approved by - Zoning Official BLK Date 06.10.06 Plans Examiner OK JTH Date 10-10-06
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments EH

Owner Has to Pick it up
 Applicants Name Linda Roder or Melanie Roder Phone 752-2281
 Address 387 SW Kemp Ct Lake City FL 32024
 Owners Name Calvin & Darlene Twensey Phone 954-303-2567
 911 Address 201 SW Paul Allison Ct Lake City FL 32024
 Contractors Name owner builder Calvin Twensey Phone 954-303-2567
 Address 620 E. Dayton Circle, Ft Lauderdale, FL 33312
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address Will Myers - Nick Geisler
 Mortgage Lenders Name & Address NA

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 36-45-1500414-103 Estimated Cost of Construction 70,000
 Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions Hwy 90 W. L on County Road 247, R on Mill Road, R on Paul Allison Court, 2nd Lot on R

Type of Construction SFD Number of Existing Dwellings on Property 0
 Total Acreage 5 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 169' Side 138' Side 146' Rear 175'
 Total Building Height 25'-2" Number of Stories 1 Heated Floor Area 2432 Roof Pitch 8-12
 TOTAL 3183

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

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

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

Owner Builder or Agent (Including Contractor) Linda R. Roder

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Commission #DD303275
 Expires: Mar 24, 2008
 Bonded Thru
 Atlantic Bonding Co., Inc.

Sworn to (or affirmed) and subscribed before me

this 21 day of August 2006

Personally known _____ or Produced Identification ✓

Contractor Signature

Contractors License Number _____

Competency Card Number _____

NOTARY STAMP/SEAL

Linda Roder

Notary Signature

Columbia County Property Appraiser

DB Last Updated: 10/4/2006

2006 Proposed Values

Parcel: 36-4S-15-00414-103

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	TWENSY CALVIN L & DARLINE T
Site Address	
Mailing Address	620 E DAYTON CR FT LAUDERDALE, FL 33312
Description	N1/2 OF SE1/4 OF SW1/4 OF SE1/4. ORB 780-1021, 785-2412, 807-527, 810-275,

Use Desc. (code)	NO AG ACRE (009900)
Neighborhood	36415.00
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	5.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$42,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$42,500.00

Just Value	\$42,500.00
Class Value	\$0.00
Assessed Value	\$42,500.00
Exempt Value	\$0.00
Total Taxable Value	\$42,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
8/18/1995	810/275	WD	V	Q		\$17,900.00
6/21/1995	807/527	WD	V	Q		\$14,000.00
9/24/1993	780/1021	WD	V	Q		\$14,900.00

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
009900	AC NON-AG (MKT)	5.000 AC	1.00/1.00/1.00/1.00	\$8,500.00	\$42,500.00

Columbia County Property Appraiser

DB Last Updated: 10/4/2006

1 of 1

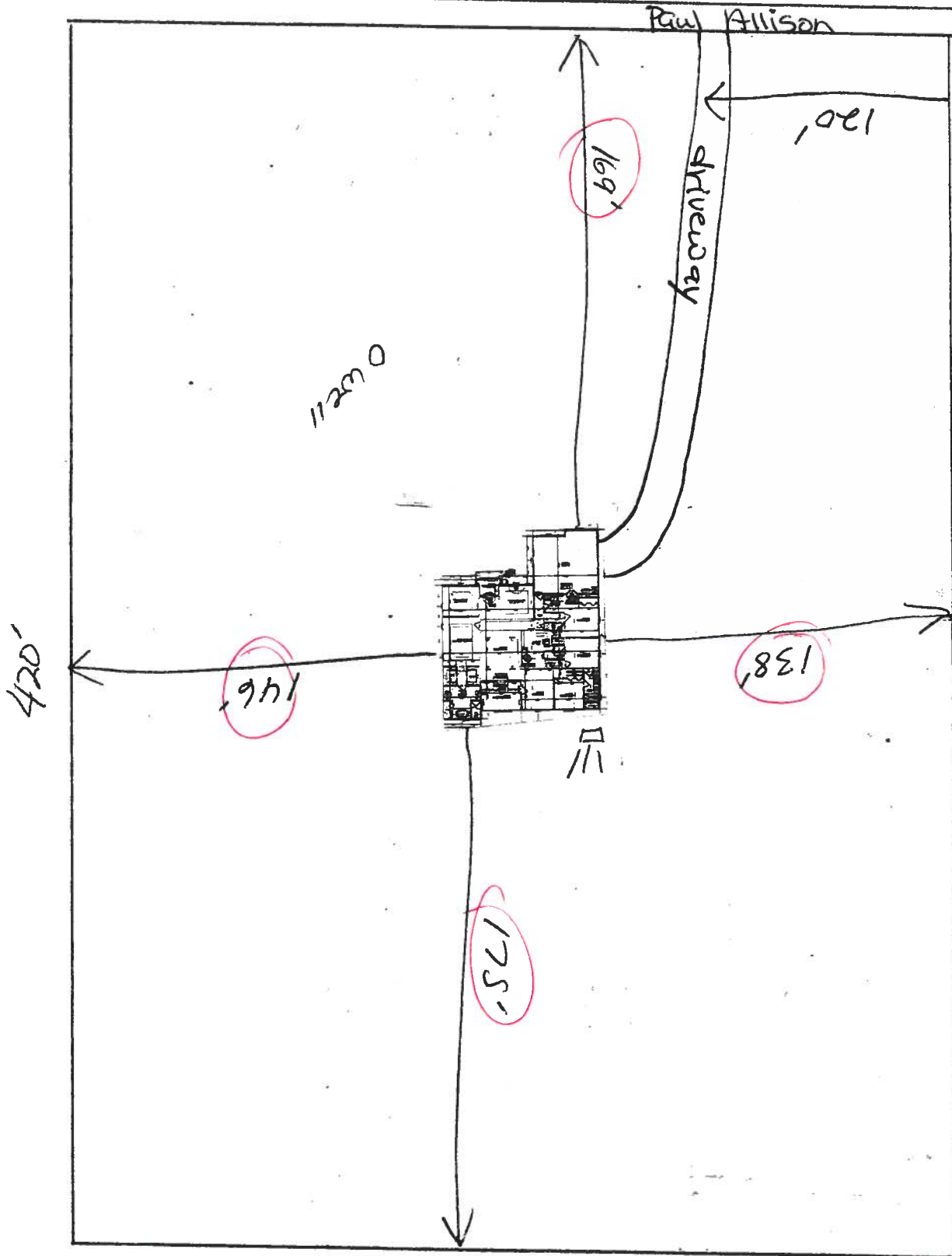
Disclaimer

Calvin & Darlene TwenSey

36-4S-1500414-103

300'

5 acres





FEB - 4 REC'D

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

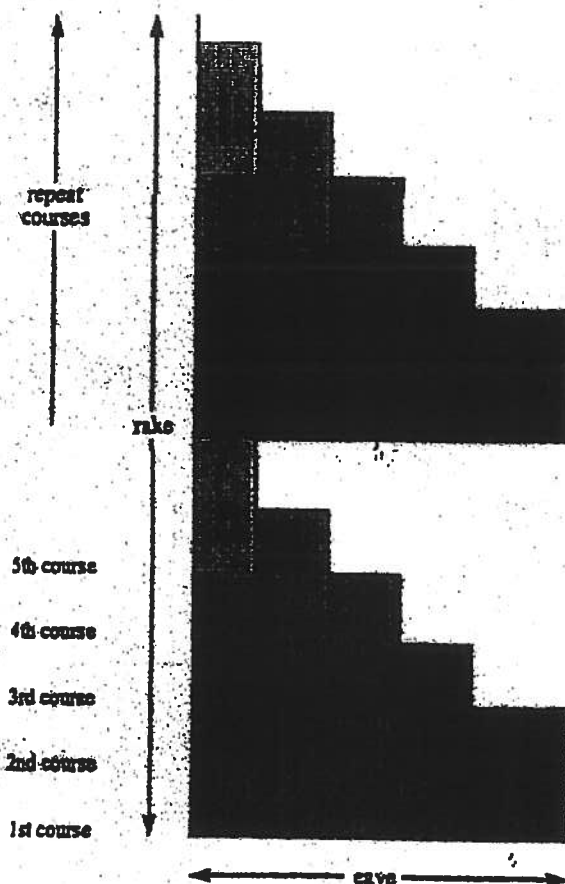
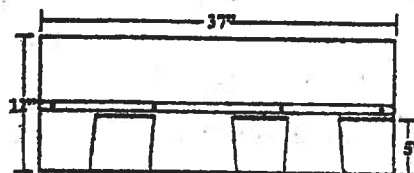
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

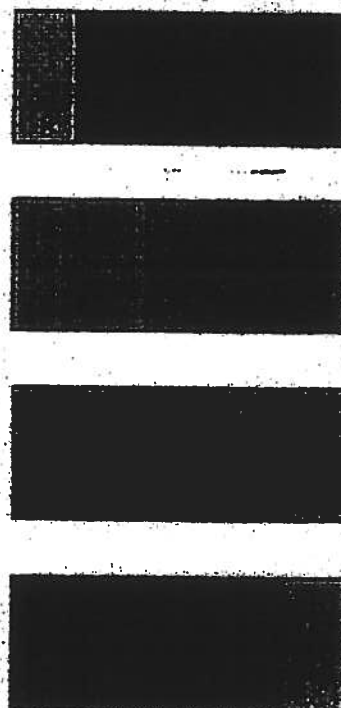


Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



Application Instructions for

- Glass-Seal
 - Elite Glass-Seal®
 - Glass-Seal AR
 - Elite Glass-Seal® AR
- THREE-TAB ASPHALT SHINGLES**

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and ridges.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick, and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

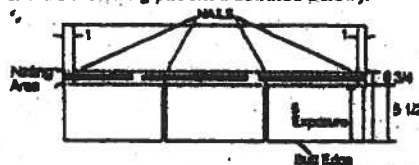
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

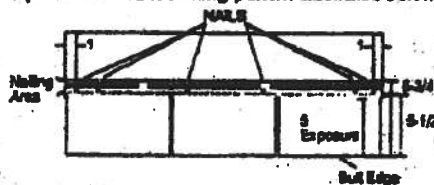
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagrams and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below.)



- 2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

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07/01

TAMKO

ROOFING PRODUCTS

(CONTINUED from Pg. 2)

- Glass-Seal
- Glass-Seal AR

- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 5 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

5. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and re-fasten in a new location. Remove all drip edge metal and replace with new.

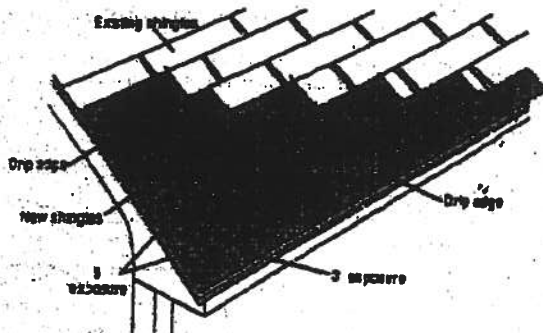
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nailing procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

Final Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Successive Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

5. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roof roofing in the valley. Nail the fast only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

Note: For a neater installation, snap a chalkline over the shingles for guidance.

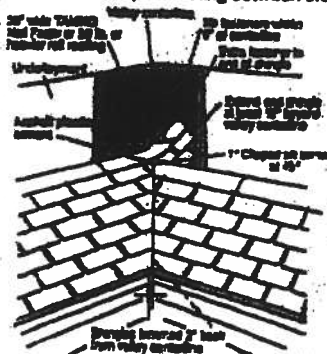
- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

CAUTION:

Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering in this product.

TAMKO assumes no responsibility for blistering.



(Continued)

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07/01



(CONTINUED from Pg. 3)

- Glass-Seal
- Glass-Seal AR

- Elite Glass-Seal®
- Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

18. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

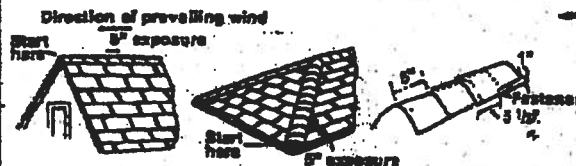
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHEN BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

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07/01

I

**AAMA/NWDA 101/1.5.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

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

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

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

For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:nfb

Allen D. Reeves
1 APRIL 2002



II

Architectural Testing

AAMA/NWDA 101/LS-2-97 TEST REPORT

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

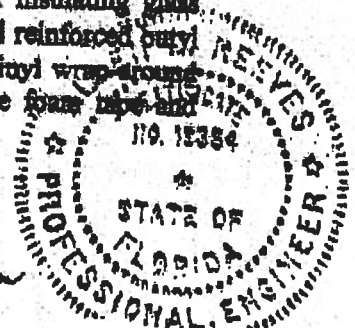
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

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

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

Allen G. Ramm
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

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

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

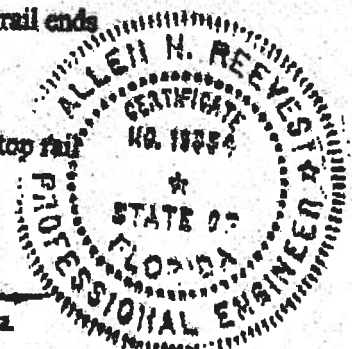
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

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

Hardware:

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

Allen N. Reeves
1 APRIL 2002



IV

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:

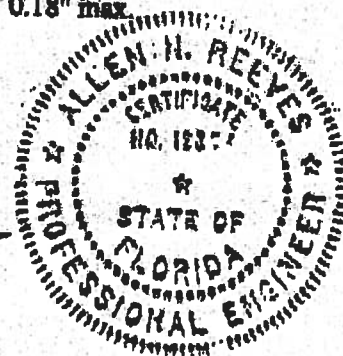
The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

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

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



Operating Test (ASTM E 707)
In operating direction at 70 lbs

Meeting rail	0.12"/25%	0.50"/100%
Bottom rail	0.12"/25%	0.50"/100%

In remaining direction at 50 lbs

Left stile	0.06"/12%	0.50"/100%
Right stile	0.06"/12%	0.50"/100%

Forced Entry Resistance (ASTM F 588-97)

Type: A

Grade: 10

Lock Manipulation Test	No entry	No entry
------------------------	----------	----------

Tests A1 through A5	No entry	No entry
---------------------	----------	----------

Test A7	No entry	No entry
---------	----------	----------

Lock Manipulation Test	No entry	No entry
------------------------	----------	----------

Optional Performance

4.3

Water Resistance (ASTM E 547-00)

(with and without screen)

WTP = 6.00 psf

No leakage

No leakage

Uniform Load Deflection (ASTM E 330-97)

(Measurements reported were taken on the meeting rail)

(Loads were held for 33 seconds)

@ 45.0 psf (positive)

0.47"

0.26" max.

@ 47.2 psf (negative)

0.46"

0.26" max.

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

Uniform Load Structural (ASTM E 330-97)

(Measurements reported were taken on the meeting rail)

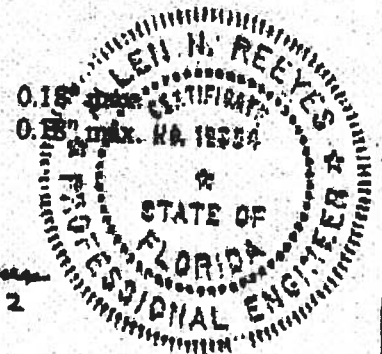
(Loads were held for 10 seconds)

@ 67.5 psf (positive)

0.05"

@ 70.8 psf (negative)

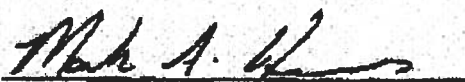
0.05"



VI

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:

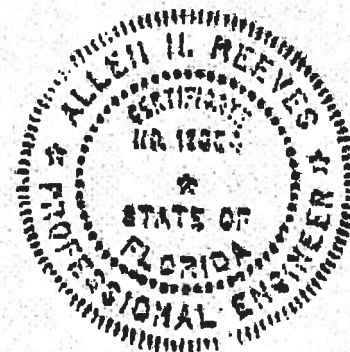


Mark A. Heas
Technician

MAH:nlb
01-41134.01

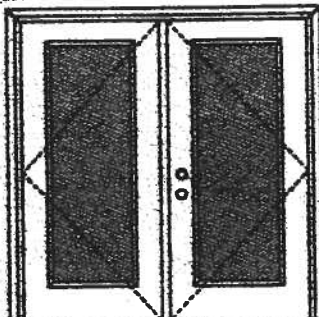


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



XX**Glazed Outswing Unit**

DDP-WL-JH1762-02

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

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

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

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed -- see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:**1/4 GLASS:**

101 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:

105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 28 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

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

Johnson
EntrySystems

March 29, 2002

Our continuing program of product improvement meets specifications, design and product detail subject to change without notice.

PREMDOR Collection
Premium Quality Doors

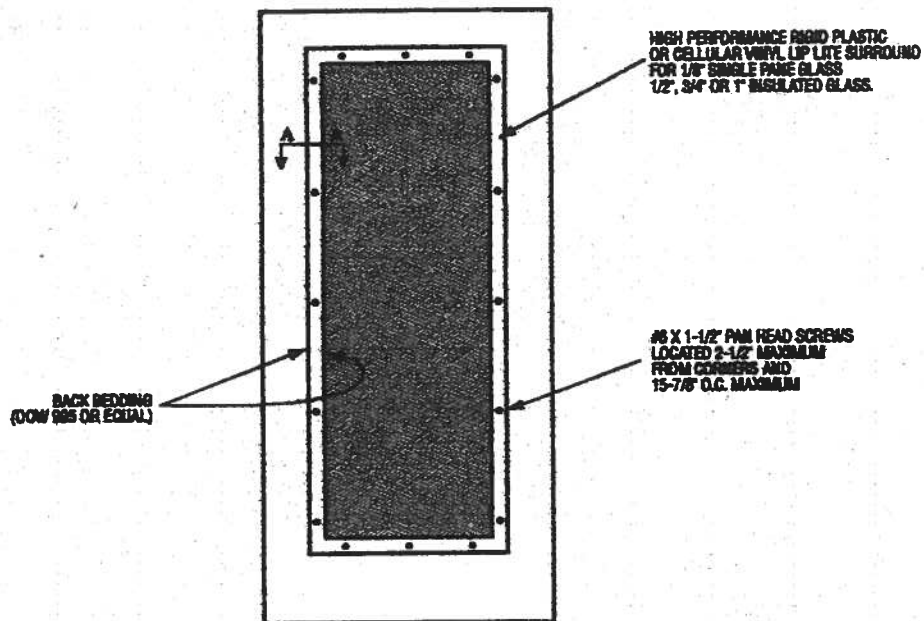


Exclusively from

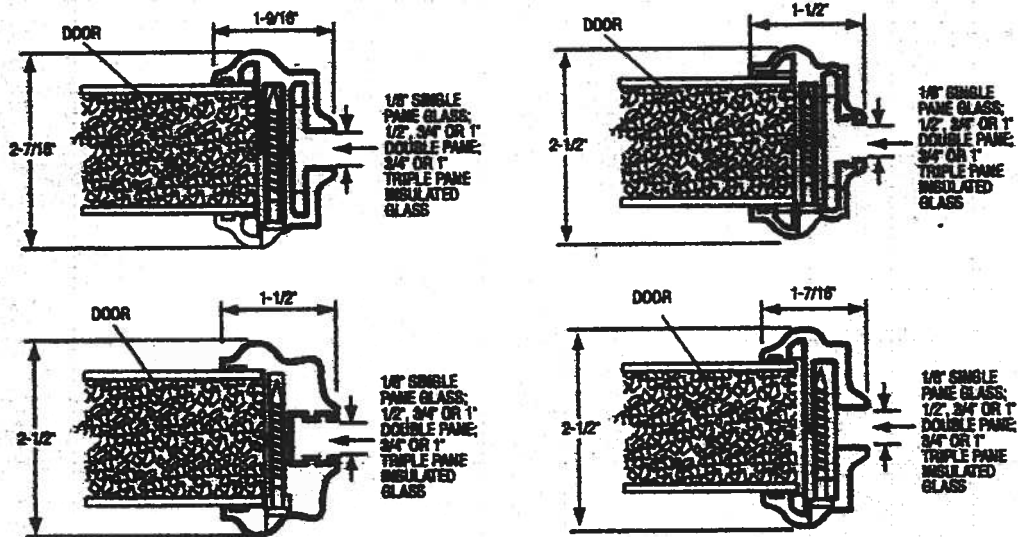
Masonite

Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series

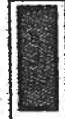


450 Series

FULL GLASS:



100 Series



114, 120, 122
Series



182 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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

Frame constructed of wood with an extruded aluminum bumper 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

Johnson
EntrySystems

March 28, 2002
Our continuing program of product improvement makes specifications, design and product details subject to change without notice.

PREMIERE Collection
Premium Quality Doors



Exclusively from

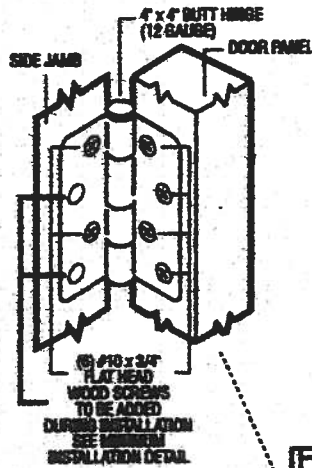
Masonite
Masonite International Corporation

XX
Unit

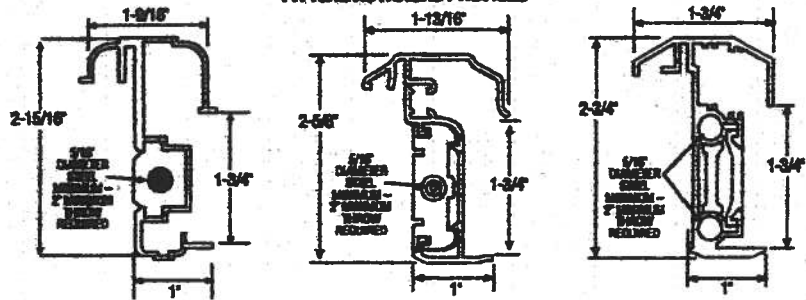
11AD-WL-WA0010-02

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT

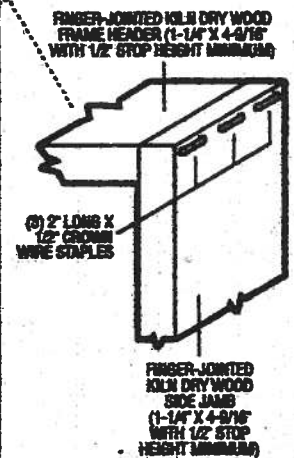


TYPICAL ASTRAGAL PROFILES



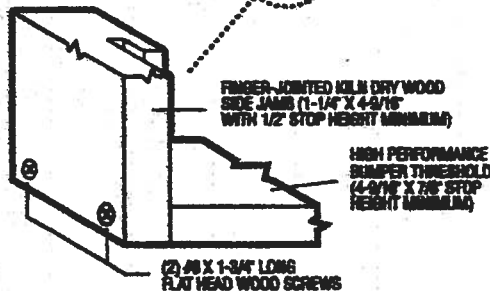
ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL HEADER & SIDE JAMB ATTACHMENT



(5) FOR 7'0" HEIGHT OR SMALLER
(6) FOR HEIGHTS GREATER THAN 7'0"

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 25, 2002
Our ongoing program of product improvement entitles qualifications, design and product detail subject to change without notice.



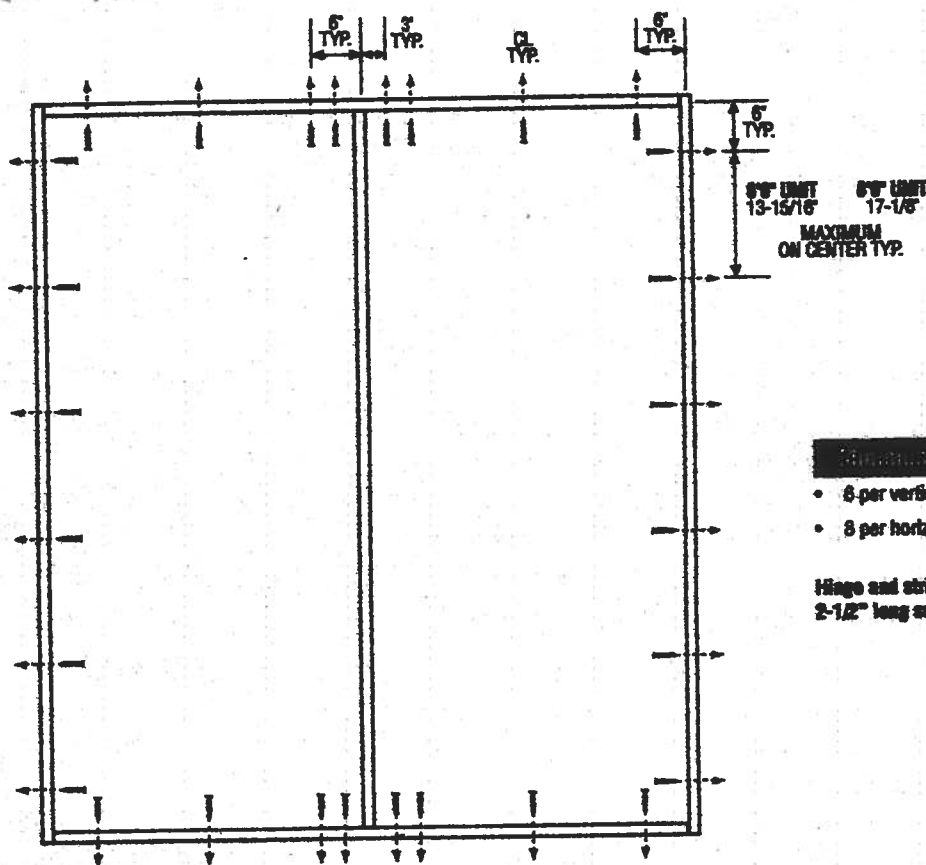
Exclusively from

Masonite
Masonite International Corporation

XX
Unit

IND WL-MAC002-CU

DOUBLE DOOR



Minimum Fastener Count

- 8 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

Masonite
Masonite International Corporation



FLORIDA BUILDING CODE

- Overview
- User Registration
- Organization Registration
- User Authentication
- Organization Search
- Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1

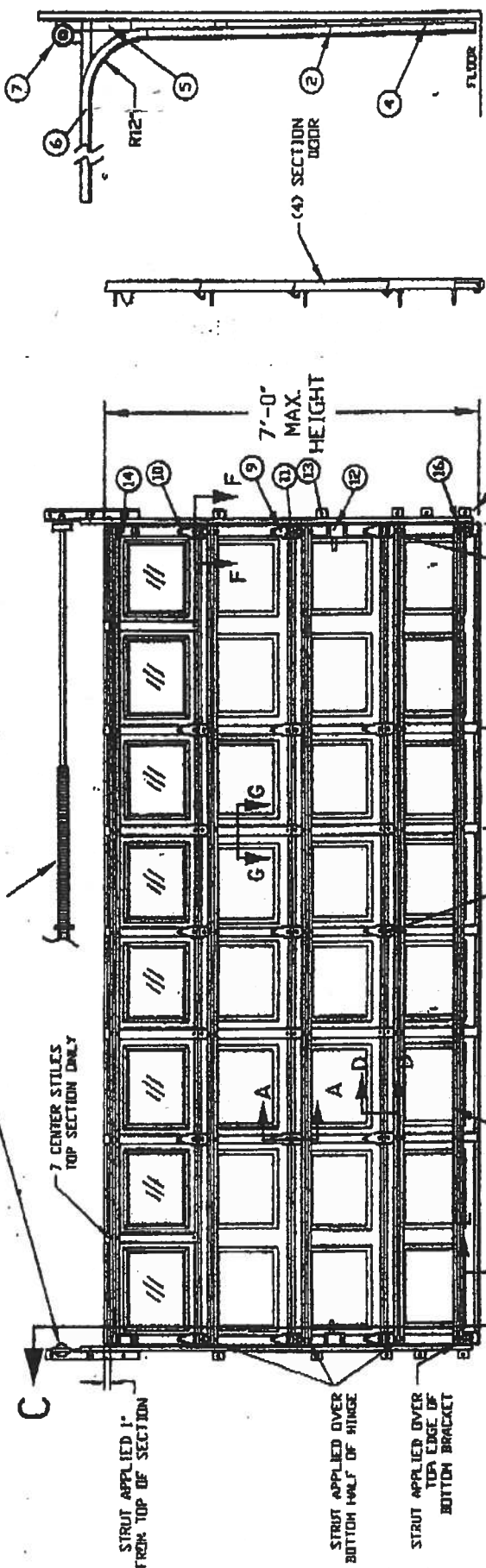
Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2009	Approved
Org Code: PDM		System ID: 3585		Site Link: www.gadco.com		

Displaying 1-1 of 1

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- NOTES:**
1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
 2. MAXIMUM SECTION HEIGHT = 21'
 3. SECTION HEIGHTS OF 21'0" AND 19'5" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS BUILD HEIGHTS.
 4. VIBRONS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/4" BSR GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
 5. MAXIMUM LENGTH OF ROLLER STICK IS 4' 0" AS TESTED
 6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOW.
 7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
 8. QUANTITY OF SIDE LOCKS CAN BE Q1, Q2 OR Q3 AS TESTED.
 9. DROP IN TYPE OF INSULATION IS OPTIONAL.

NOT PART OF WIND LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TORSION SPRING COUNTERBALANCE



SEC. C-C
VERTICAL
TRACK, (16 GA.)

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL S OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

ALL ROLLER CARRIERS AND HINGLES ARE 14 GA.

INSIDE ELEVATION

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

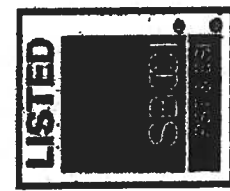


GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

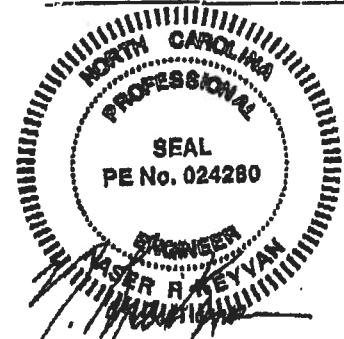
TEST REPORTS ON FILE VIDEO 10/19/70 0802933

GATED DOORS
SERIES 7400, EXTERIOR STEEL = .017 MIN G.S. TESTED
SERIES 7825, EXTERIOR STEEL = .019 MIN G.S.
SERIES 7524, EXTERIOR STEEL = .024 MIN G.S.
(TESTED WITH VIBRONS)

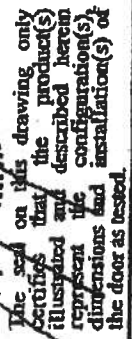
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS DO NOT SIZE	VERTICAL TRACK
16'	7'	23"	3"	5
				2 IN.



REPORT No. 2202



The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.



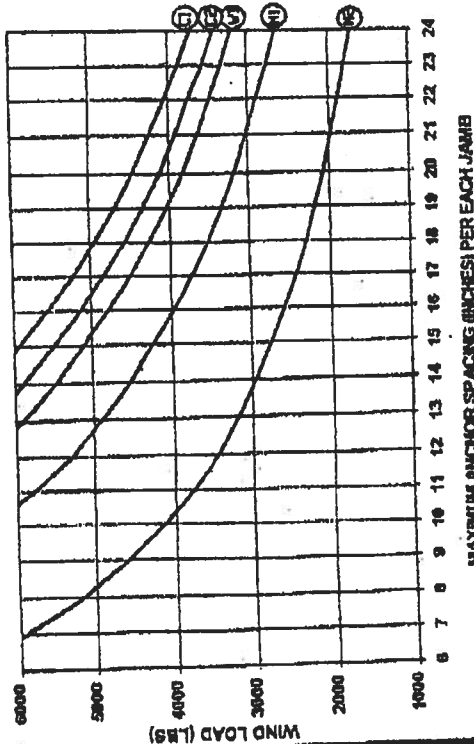
2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10," CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2x6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE: 2x6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2500 PSI GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2x6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2x6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2x6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2x6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

WIND LOAD VS ANCHOR SPACING



DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

EXAMPLE

30 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS

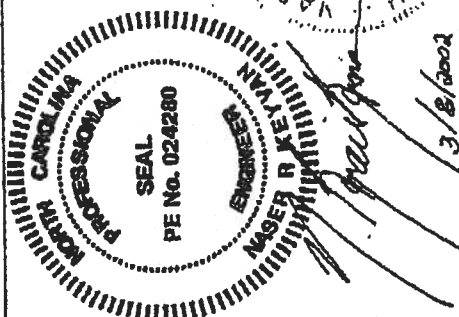
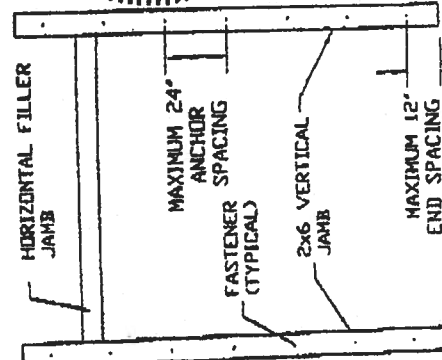
USE 16" SPACING

USE 22" SPACING

USE 21" SPACING

USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2x6 WOOD JAMB ANCHORS



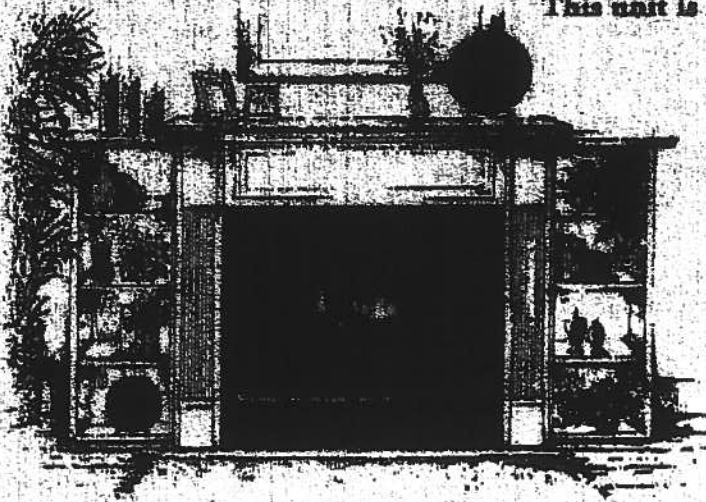
GENERAL AMERICAN DOOR COMPANY 5050 BASELINE ROAD MURKIN, IL 60538	
SALES DATE 8-30-99	ORDER NO. 105560
DESCRIPTION JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS	

VENT-FIRE

This unit is A.G.A. certified as a heater with 99% heat efficiency

No chimney or flue system required

Wide selection of factory installed options offered

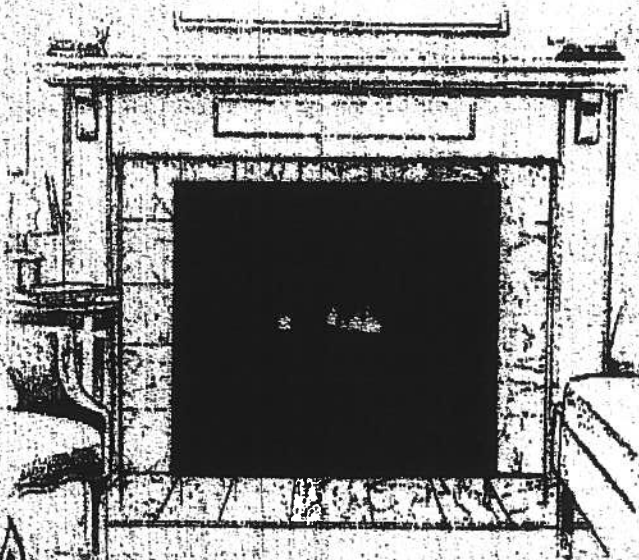
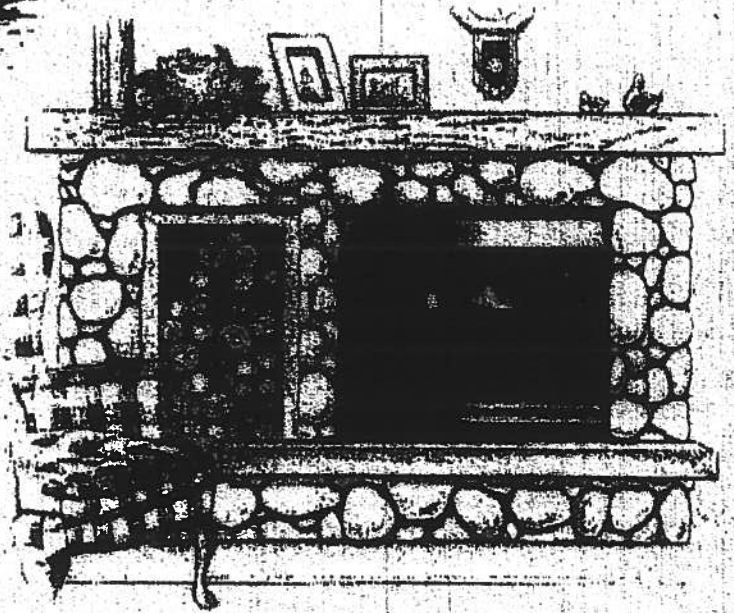


VF-4000

- 14,000 - 25,000 Btu/hr with manual control valve
- 19,500 - 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening

VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



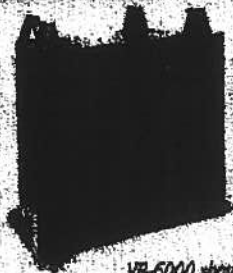
VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms



SUPERIOR

VF-4000/5000/6000



VF-5000 heater

Controls hidden in access compartment.



Optional RAB-1100 Blower

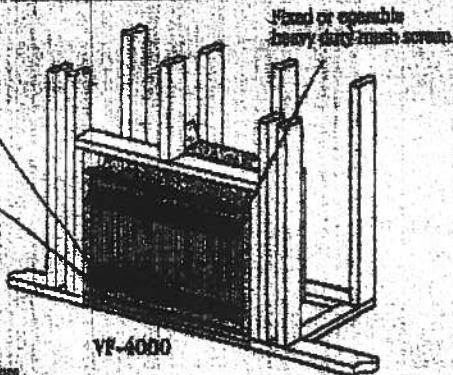
Optional brass hood, arch, glass panel and fire-rated screen.

Controls hidden in access compartment.

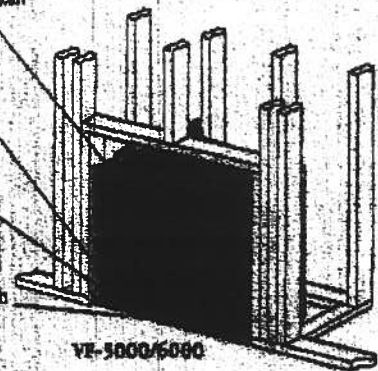


Optional RAB-1100 Blower

Milltron controls and push-button operate during a power failure.



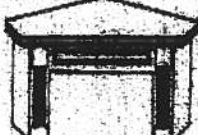
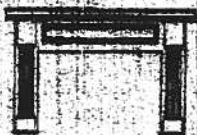
VF-4000



VF-5000/6000

SURROUNDS

The Challenge Poplar Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the unique wood type of Poplar allows you the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam locks, and available in corner and wall units.



Distributed by:



Refractory tan brick panels



Gas Duct liner kit



Square brass trim kit



Brass Lower Kit (For VF-4 only)



Screen panel kit (For VF-5 & VF6 only)



Arch kit (For VF-5 & VF6 only)



Glass door kit (For VF-5 & VF6 only)



Brass hood (For VF-5 & VF6 only)

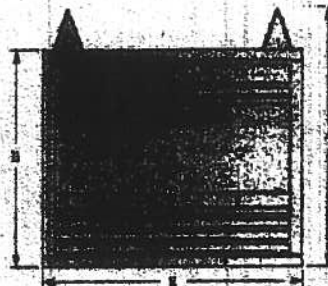


Wall switch or optional wireless remote available (For VF-4000, VF-5 & VF-6)

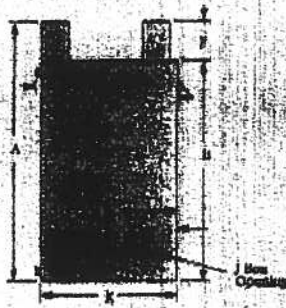


Wall thermostat (For VF-4000, VF-5 & VF-6)

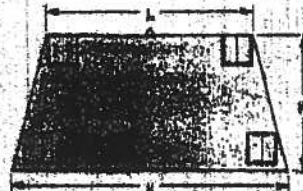
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
Height	57-1/2"	42-1/8"
Depth	19"	19"
Width	37"	41"
Weight	35-1/2"	35-1/2"
Weight	35-1/2"	35-1/2"
Weight	35-1/2"	35-1/2"
Weight	35-1/2"	35-1/2"
Weight	35-1/2"	35-1/2"
Weight	35-1/2"	35-1/2"
Weight	35-1/2"	35-1/2"

Btu Chart

Model	Natural	Propane
VF-4000 natural	14,000 - 25,000	14,000 - 25,000
VF-4000/5000 natural	19,500 - 25,000	19,500 - 25,000
VF-6000	25,000 - 32,000	25,000 - 32,000

Framing Dimension

Model	Width	Height	Depth
VF-4000/5000	37"	57-1/4"	19-1/2"
VF-6000	41"	42-3/8"	19-1/2"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z47.11.2 standard and approved by A.G.A. (Report # 12870017).

Consult your distributor for local replace code information.



SUPERIOR

www.LennoxHeatingProducts.com

P/N 404464 REV B 2/01

Printed in U.S.A. ©2001 Lennox Heating Products • 1110 West 1st Ave., Orange, CA 92665-4150
Lennox Heating Products Direct Vent heater rated gas appliances include a 20-year limited warranty.

May. 01 2003 07:51AM P2

FRX NO. : +386 758 4735

FROM: LAKE CITY INDUSTRIES

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☒	☐	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.
☒	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☒	☐	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation d) Location, size and height above roof of chimneys e) Location and size of skylights f) Building height e) Number of stories

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Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accesssable 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 104.2.1 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 104.2.1 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 104.2.1 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 (termicide 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 (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide 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

HVAC information

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

Energy Calculations (dimensions shall match plans)

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

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

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



Residential System Sizing Calculation

Summary

73rd Lane Speck
73rd Lane
FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

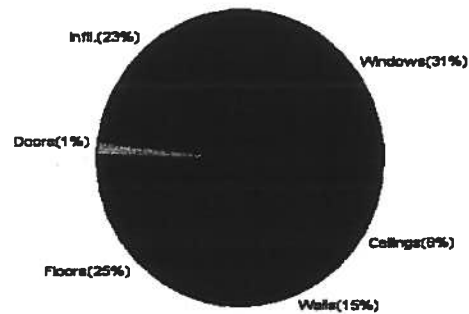
8/8/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	34898 Btuh	Total cooling load calculation	33244 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.5 41000	Sensible (SHR = 0.75)	113.8 30750
Heat Pump + Auxiliary(0.0kW)	117.5 41000	Latent	164.8 10250
		Total (Electric Heat Pump)	123.3 41000

WINTER CALCULATIONS

Winter Heating Load (for 1621 sqft)

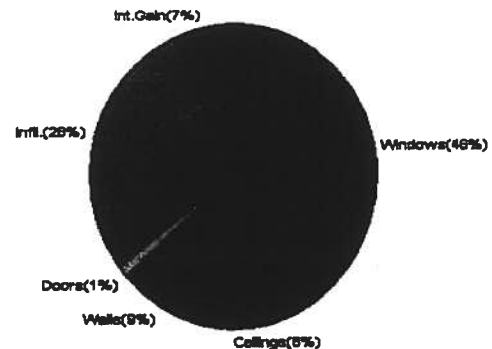
Load component		Load	
Window total	228 sqft	10704	Btuh
Wall total	1541 sqft	5061	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	1700 sqft	2003	Btuh
Floor total	200 sqft	8732	Btuh
Infiltration	195 cfm	7879	Btuh
Duct loss		0	Btuh
Subtotal		34898	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		34898	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1621 sqft)

Load component		Load	
Window total	228 sqft	15189	Btuh
Wall total	1541 sqft	3060	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	1700 sqft	2815	Btuh
Floor total		0	Btuh
Infiltration	170 cfm	3168	Btuh
Internal gain		2400	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		27024	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(Infiltration)		6220	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		0	Btuh
Total latent gain		6220	Btuh
TOTAL HEAT GAIN		33244	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Jon Moeck

DATE: 8-8-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

73rd Lane Speck
73rd Lane
, FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

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

8/8/2006

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	60.0	47.0	2819 Btuh
2	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	S	17.8	47.0	836 Btuh
4	1, Clear, Metal, 1.27	N	15.0	47.0	705 Btuh
5	1, Clear, Metal, 1.27	N	9.0	47.0	423 Btuh
6	1, Clear, Metal, 1.27	N	4.0	47.0	188 Btuh
7	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
8	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
9	1, Clear, Metal, 1.27	E	6.0	47.0	282 Btuh
10	1, Clear, Metal, 1.27	S	16.0	47.0	752 Btuh
Window Total			228(sqft)		10704 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1273	3.3	4181 Btuh
2	Frame - Wood - Adj(0.09)	13.0	268	3.3	880 Btuh
Wall Total			1541		5061 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
Door Total			40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1700	1.2	2003 Btuh
Ceiling Total			1700		2003Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	200.0 ft(p)	43.7	8732 Btuh
Floor Total			200		8732 Btuh
Zone Envelope Subtotal:					27019 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	14589	194.5	7879 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				34898 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

73rd Lane Speck
73rd Lane
, FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

8/8/2006



	Subtotal Sensible Ventilation Sensible Total Btuh Loss	34898 Btuh 0 Btuh 34898 Btuh
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Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

73rd Lane Speck
73rd Lane
, FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

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

8/8/2006

Zone #1					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	60.0	47.0	2819 Btuh
2	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	S	17.8	47.0	836 Btuh
4	1, Clear, Metal, 1.27	N	15.0	47.0	705 Btuh
5	1, Clear, Metal, 1.27	N	9.0	47.0	423 Btuh
6	1, Clear, Metal, 1.27	N	4.0	47.0	188 Btuh
7	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
8	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
9	1, Clear, Metal, 1.27	E	6.0	47.0	282 Btuh
10	1, Clear, Metal, 1.27	S	16.0	47.0	752 Btuh
Window Total			228(sqft)		10704 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1273	3.3	4181 Btuh
2	Frame - Wood - Adj(0.09)	13.0	268	3.3	880 Btuh
Wall Total			1541		5061 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
Door Total			40		518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1700	1.2	2003 Btuh
Ceiling Total			1700		2003 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	200.0 ft(p)	43.7	8732 Btuh
Floor Total			200		8732 Btuh
Zone Envelope Subtotal:					27019 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	14589	194.5	7879 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				34898 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

73rd Lane Speck
73rd Lane
, FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

8/8/2006



	Subtotal Sensible Ventilation Sensible Total Btuh Loss	34898 Btuh 0 Btuh 34898 Btuh
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Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

73rd Lane Speck
73rd Lane
FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

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

8/8/2006

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	60.0	0.0	60.0	37	94	5643	Btuh
2	1, Clear, 1.27, None,N,N	W	11.5f	9ft.	40.0	40.0	0.0	37	94	1498	Btuh
3	1, Clear, 1.27, None,N,N	S	15.5f	9ft.	17.8	17.8	0.0	37	43	667	Btuh
4	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	15.0	0.0	15.0	37	37	562	Btuh
5	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	9.0	0.0	9.0	37	37	337	Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	4.0	0.0	4.0	37	37	150	Btuh
7	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821	Btuh
8	1, Clear, 1.27, None,N,N	E	6.5ft	9ft.	30.0	8.4	21.6	37	94	2348	Btuh
9	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	6.0	0.0	6.0	37	94	564	Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	16.0	16.0	0.0	37	43	599	Btuh
Window Total					228 (sqft)					15189 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		1273.2			2.1		2656 Btuh		
2	Frame - Wood - Adj	13.0/0.09		268.0			1.5		404 Btuh		
Wall Total				1541 (sqft)					3060 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Adjacent				20.0		9.8		196 Btuh		
2	Insulated - Exterior				20.0		9.8		196 Btuh		
Door Total				40 (sqft)				392 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0		1700.0			1.7		2815 Btuh		
Ceiling Total				1700 (sqft)					2815 Btuh		
Floors	Type	R-Value		Size			HTM		Load		
1	Slab On Grade	0.0		200 (ft(p))			0.0		0 Btuh		
Floor Total				200.0 (sqft)					0 Btuh		
Zone Envelope Subtotal:									21456 Btuh		
Infiltration	Type	ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural	0.70		14589			170.2		3168 Btuh		
Internal gain	Occupants		Btuh/occupant			Appliance		Load			
	0		X 230 +			2400		2400 Btuh			
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)						DGM = 0.00		0.0 Btuh		
Sensible Zone Load									27024 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

73rd Lane Speck
73rd Lane
, FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

8/8/2006



Whole House Totals for Cooling	Sensible Envelope Load All Zones	27024 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	27024 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	27024 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6220 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6220 Btuh
	TOTAL GAIN	33244 Btuh

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

73rd Lane Speck
73rd Lane
, FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

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

8/8/2006

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	60.0	0.0	60.0	37	94	5643 Btuh
2	1, Clear, 1.27, None,N,N	W	11.5f	9ft.	40.0	40.0	0.0	37	94	1498 Btuh
3	1, Clear, 1.27, None,N,N	S	15.5f	9ft.	17.8	17.8	0.0	37	43	667 Btuh
4	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	15.0	0.0	15.0	37	37	562 Btuh
5	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	9.0	0.0	9.0	37	37	337 Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	4.0	0.0	4.0	37	37	150 Btuh
7	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821 Btuh
8	1, Clear, 1.27, None,N,N	E	6.5ft	9ft.	30.0	8.4	21.6	37	94	2348 Btuh
9	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	6.0	0.0	6.0	37	94	564 Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	16.0	16.0	0.0	37	43	599 Btuh
Window Total					228 (sqft)					15189 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		1273.2		2.1		2656 Btuh		
2	Frame - Wood - Adj	13.0/0.09		268.0		1.5		404 Btuh		
Wall Total					1541 (sqft)				3060 Btuh	
Doors	Type			Area (sqft)		HTM		Load		
1	Insulated - Adjacent			20.0		9.8		196 Btuh		
2	Insulated - Exterior			20.0		9.8		196 Btuh		
Door Total					40 (sqft)				392 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0		1700.0		1.7		2815 Btuh		
Ceiling Total					1700 (sqft)				2815 Btuh	
Floors	Type	R-Value		Size		HTM		Load		
1	Slab On Grade	0.0		200 (ft(p))		0.0		0 Btuh		
Floor Total					200.0 (sqft)				0 Btuh	
Zone Envelope Subtotal:									21456 Btuh	
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural	0.70		14589		170.2		3168 Btuh		
Internal gain		Occupants		Btuh/occupant		Appliance		Load		
		0		X 230 +		2400		2400 Btuh		
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)						DGM = 0.00		0.0 Btuh	
Sensible Zone Load									27024 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

73rd Lane Speck
73rd Lane
, FL 32025-

Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

8/8/2006

Whole House Totals for Cooling	Sensible Envelope Load All Zones	27024 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	27024 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	27024 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	6220 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6220 Btuh
	TOTAL GAIN	33244 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

73rd Lane Speck
73rd Lane
FL 32025-

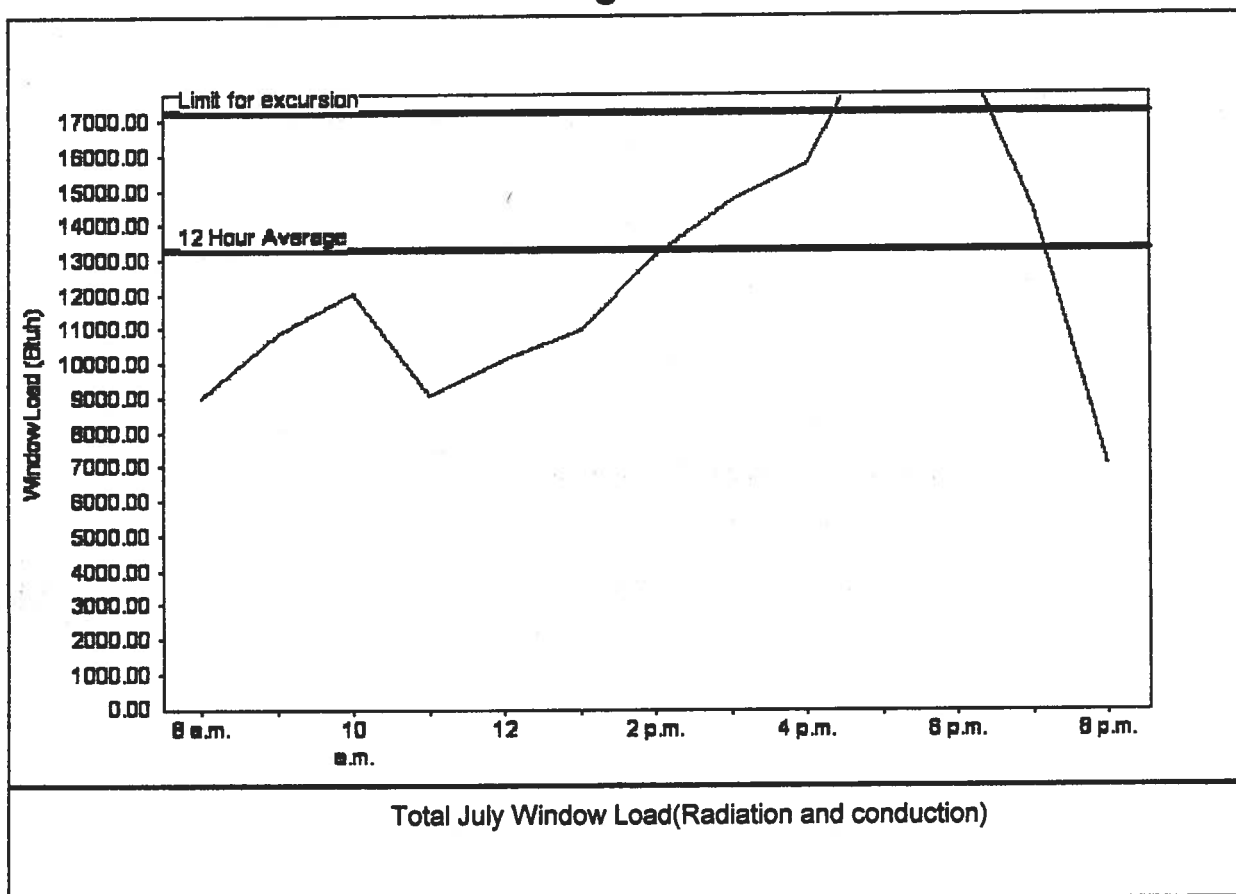
Project Title:
Adams Framing & Construction

Code Only
Professional Version
Climate: North

8/8/2006

Summer design temperature	92 F	Average window load for July	13272 Btu
Summer setpoint	75 F	Peak window load for July	19884 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	17254 Btu
Latitude	29 North	Window excursion (July)	2630 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

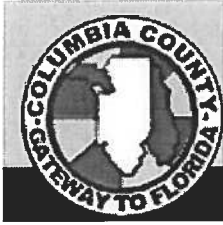
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1





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

Reference to a building permit application Number: **0609-93**

Calvin Twensey Owner/Builder Property ID 36-4s-1500414-103

On the date of October 5, 2006 application 0609-93 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0609-93 and when making reference to this application.

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

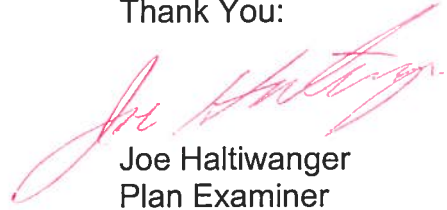
1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
2. Please verify that one window in the master bedroom will comply with the 2004 Florida Residential Building Code section R310.1.1 Minimum

opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m²).

Exception: Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m²): R310.1.2 Minimum opening height. The minimum net clear opening height shall be 24 inches (610 mm): R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).

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

Thank You:

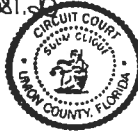
A handwritten signature in red ink, appearing to read "Joe Haltiwanger", is positioned above the printed name.

Joe Haltiwanger
Plan Examiner
Columbia County Building
Department

Prepared by:
Leslie C. Snyder
Southern Professional Title Services, Inc.
235 S.W. 4th Avenue, Suite 5
Lake Butler, Florida 32054

Per. 35.50
DS \$45.70

281.30



File Number: L6-0749

General Warranty Deed

Made this April 6, 2006, A.D., by **RFD Land, LLC**, a Florida limited liability corporation, whose address is 349 SW Montgomery Drive, Lake City, Florida 32025, hereinafter called the grantor, to **Adam Papka**, whose address is P.O. Box 1921, Lake City, FL 32056, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Union County, Florida, viz:

As described on Exhibit "A" attached hereto and by this reference made a part hereof.

Parcel ID Number: P/O 34-05-18-38-000-0010-0

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2005.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered
in our presence:

Leslie C. Snyder
Witness Printed Name: Leslie C. Snyder

Rochelle Smith
Witness Printed Name: Rochelle Smith

RFD Land, LLC
Donald W. Graham (Seal)
Donald W. Graham
Address: 349 SW Montgomery Drive, Lake City, Florida 32025

State of Florida
County of Union

The foregoing instrument was acknowledged before me this 6th day of April, 2006, by Donald W. Graham, as Managing Member of RFD Land, LLC, a Florida limited liability corporation, who is personally known to me or who has produced a driver's license as identification.



LESLIE C. SNYDER
Notary Public, State of Florida
My comm. expires May 17, 2009
Comm. No. DD 430693

Leslie C. Snyder
Notary Public
Print Name: _____
My Commission
Expires: _____

Instr. #20060001270
BK: 231 PG: 219
Number of Pages 4
Regina Parrish, Clerk of Court
Union County, FL
05/02/2006 at 11:58 AM DEED DOC STAMP \$245.70

This Deed is being re-recorded to add 2nd witness.

Prepared by:
Leslie C. Snyder
Southern Professional Title Services, Inc.
235 S.W. 4th Avenue, Suite 5
Lake Butler, Florida 32054

File Number: L6-0749

Exhibit "A"

PARCEL A

A parcel of land, lying, being and situate in Section 34, Township 5 South, Range 18 East, Union County, Florida, more particularly described as follows:

Commence at the Southeast corner of the Northwest $\frac{1}{4}$ of Southeast $\frac{1}{4}$ of said Section 34, and run South 87 degrees 53 minutes 57 seconds West, along the South line of said Northwest $\frac{1}{4}$ of Southeast $\frac{1}{4}$ of Section 34, a distance of 805.77 feet; thence run South 01 degree 53 minutes 32 seconds East a distance of 968.07 feet to the POINT OF BEGINNING of the hereinafter described parcel of land: Thence continue running South 01 degree 53 minutes 32 seconds East a distance of 124.43 feet; thence run South 87 degrees 51 minutes 07 seconds West a distance of 350.03 feet; thence run North 01 degrees 53 minutes 43 seconds West a distance of 124.43 feet; thence run North 87 degrees 51 minutes 07 seconds East a distance of 350.04 feet to the POINT OF BEGINNING.

SUBJECT TO an easement for ingress and egress over, across and along the Easterly 20 feet thereof.

DEED Does
NOT GO WITH
THIS APPLICATION

RFD LAND

DEED RESTRICTIONS

I. LAND USE AND BUILDING TYPE:

- (a) None of said lots may be improved, used or occupied for other than private residential purposes.
- (b) All building sites in the tract shall be known and described as residential building sites. Described as site built homes.
- (c) No structures shall be erected, altered, placed or permitted to remain on any building site other than one detached single family dwellings not to exceed two stories in height, a private garage or "stick built" carport which is integrated with the dwelling using similar materials for not more than two cars, and other outbuildings clearly incidental to residential use of the premises.
- (d) Any detached garage or workshop must be built at least 75 feet behind the main residence. Each out building, workshop, or garage must be of a 6 on 12 roof pitch, the roof and exterior siding manufactured for the residence must be used for such building so that it will match the existing home. No metal roof or metal siding will be permitted.
- (e) No woven or barbed wire fences.
- (f) No animals, livestock, or poultry of any kind other than house pets, shall be kept or maintained on any part of said property. Dogs and cats may be kept upon said property provided that they are not kept, bred, or maintained for any commercial use or purposes. No more than two (2) dogs per household.
- (g) No noxious, offensive or illegal activity shall be carried on upon any lot, nor shall anything be done thereon which may be or become an annoyance or nuisance to the neighborhood or any residents. No trash, paper, garbage, or refuse of any kind shall be dumped on other lots or adjoining lands.
- (h) Each residence shall plant and keep a minimum of three (3) trees in the front yard of their lot. Such trees shall be 2" in diameter and 12" in height.

2. DWELLING QUALITY AND SIZE

The minimum floor area of any main dwelling structure, exclusive of open porches, terraces, patios, carports and garages, constructed on those lots described herein shall be:

The ground floor heated area of any Single story dwelling located on any Lot shall not be less than 1,400 Square feet

All roof shingles must be a 30 year shingle and must be placed in color (metal roofs shall not be permitted). All roof pitches must be 6 on 12 or greater on any residence.

The minimum floor area herein referred to shall not include basements, attics, garages, or open porches of any type.

3. SUBDIVISION OF LOTS

No lot shall be subdivided for sale or otherwise so as to reduce the total lot area shown on the recorded maps or plats.

4. EASEMENTS

- (a) No title to land in any street is intended to be conveyed, or shall be conveyed to the grantee under any deed, or to the purchaser under any contract of purchase under any contract of purchase, unless expressly so provided in such deed or contract or purchase.
- (b) No dwelling house, garage, outbuildings, or other structures of any kind shall be built, erected or maintained upon any such easements and said easements shall at all times, be open and accessible to public and quasi-public utilities, and to declarants, their heirs and assigns, all of whom shall have the right of ingress and egress thereto and there from, and the right and privilege of doing whatever may be necessary in, under and upon said locations for the carrying out of any of the purposes for which said easements, reservations and rights of way are reserved, or may hereafter be reserved.

5. NUSIANCES/ANNOYANCES/PROHIBITED ACTIVITIITES

- (a) No noxious or offensive trade or activity shall be carried on upon any building site nor shall anything be done thereon which may be or become an annoyance or nuisance to the neighborhood or any resident thereof.
- (b) No temporary building, mobile home, tent, shack, garage, barn, or other outbuilding erected on a building site covered by these covenants shall at any time be used for human habitation temporarily or permanently, nor shall any structure of a temporary character be used for human habitation.
- (c) No parking shall be permitted on road right-of-way in from of any residents' home.
- (d) Any outside radio or television antenna or dish shall be installed on the rear side of the roof. No satellite dish may be placed upon the premises which exceeds twenty-four inches (24"0 in diameter.
- (e) All playground equipment shall be placed on the rear of the property.

6. SIGNS

- (a) Signs must be square feet in size and may be used for the sole and exclusive purpose of advertising for sale or lease, the lot or tract upon which it is erected.

7. GARBAGE AND REFUSE DISPOSAL

- (a) No lot shall be used or maintained as a dumping ground for rubbish. Trash, garbage, or other waste shall not be kept except in sanitary containers. Garbage shall be taken to landfill for disposal.

8. SEWAGE DISPOSAL

- (a) Individual sewage disposal shall not be permitted; however, said systems shall be designed, located and constructed in accordance with the requirements, standards, and recommendations of the Department of Public Health. Approval of such systems as installed shall be obtained from Union County.

9. TERM

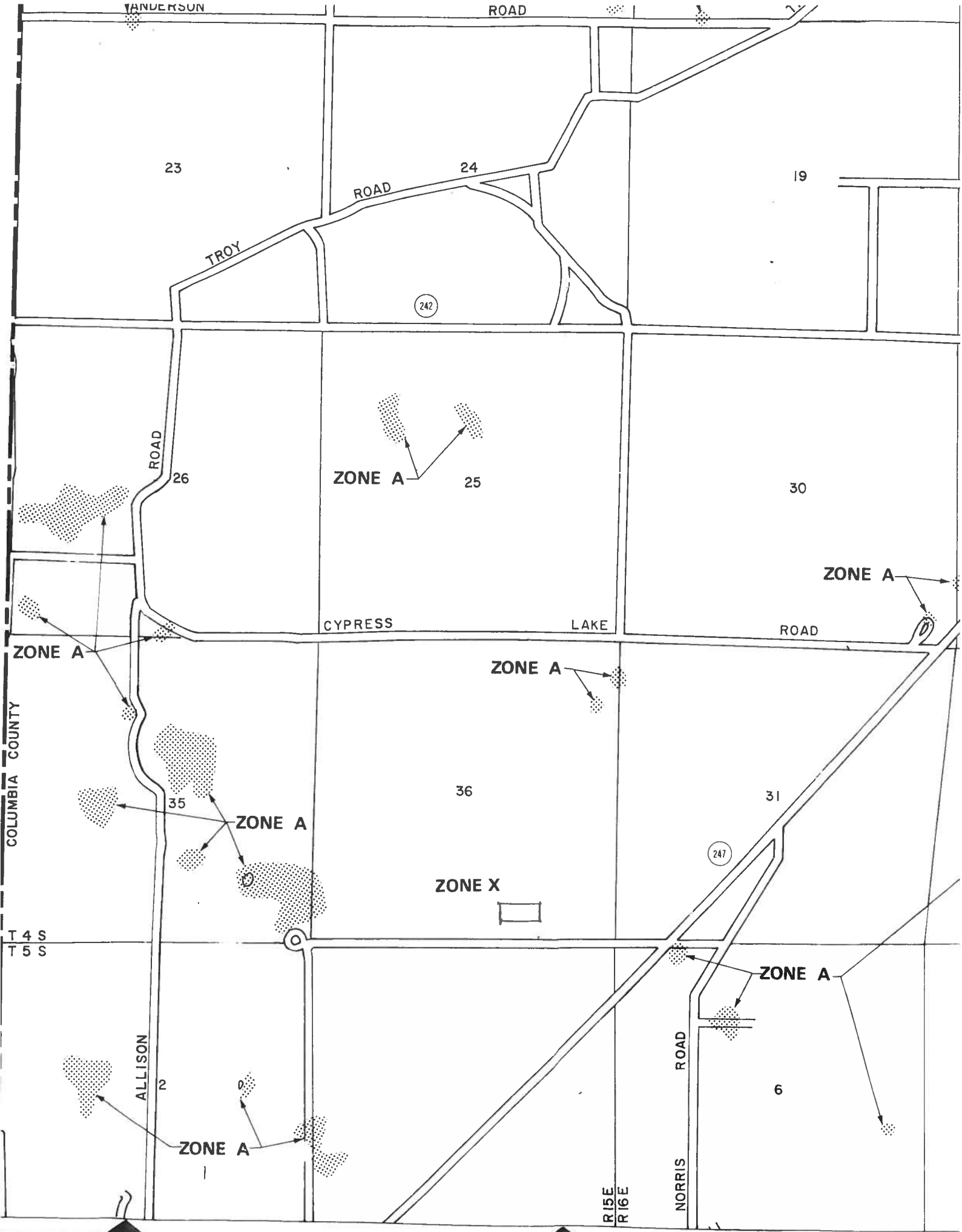
- (A) These covenants are to run with the land and shall be binding on all parties and all persons claiming under them for a period of twenty (20) years from the date these covenants are recorded, after which time said covenants shall be automatically extended for successive periods of ten (10) years unless an instrument signed by a majority of the then owners of the lots has been recorded, agreeing to change said covenants in whole or in part.

10. ENFORCEMENT

- (a) Enforcement shall be by proceedings at law or in equity against any person or persons violating or attempting to violate any covenants either to restrain violation or recover damages.

11. SEVERABILITY

- (a) Invalidation of any one of these codeendants by judgment or court order shall in no way affect any of the other provisions, which shall remain in full force and effect.



NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

*****THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.*****

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 36-45-1500414-103

1. Description of property: (legal description of the property and street address or 911 address)

911 address:

201 SW Paul Allison Ct
Lake City FL 32024

Inst:2006023385 Date:09/29/2006 Time:15:28

DC, P. Dewitt Cason, Columbia County B:1097 P:1985

2. General description of improvement: Single Family Dwelling

3. Owner Name & Address Calvin + Darlene Twensey 620 E. Dayton Circle,
Ft Lauderdale, FL 33312 Interest in Property home site

4. Name & Address of Fee Simple Owner (if other than owner): NA

5. Contractor Name owner builder Phone Number 954-303-2567
Address 620 E. Dayton Circle, Ft Lauderdale, FL 33312

6. Surety Holders Name NA Phone Number _____
Address _____
Amount of Bond NA

7. Lender Name NA Phone Number _____
Address _____

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 NA Phone Number _____
Address _____

9. In addition to himself/herself the owner designates NA 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.

Sworn to (or affirmed) and subscribed before
day of 8-21, 2006

NOTARY STAMP/SEAL

[Signature]
Signature of Owner



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

[Signature]
Signature of Notary

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling
☐ Farm Outbuilding
☐ New Construction

- ☐ Two-Family Residence
☐ Other _____

☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Calvin Twensey, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Calvin Twensey
Signature

9-28-06
Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

FROM :

FAX NO. : 386-755-7822

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1004
FAX (904) 755-7822
JERKINSON ROAD SUITE 100
LAKE CITY, FLORIDA 33508
904 NW Main Blvd.

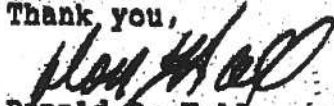
June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,


Donald D. Hall
DDH/jk

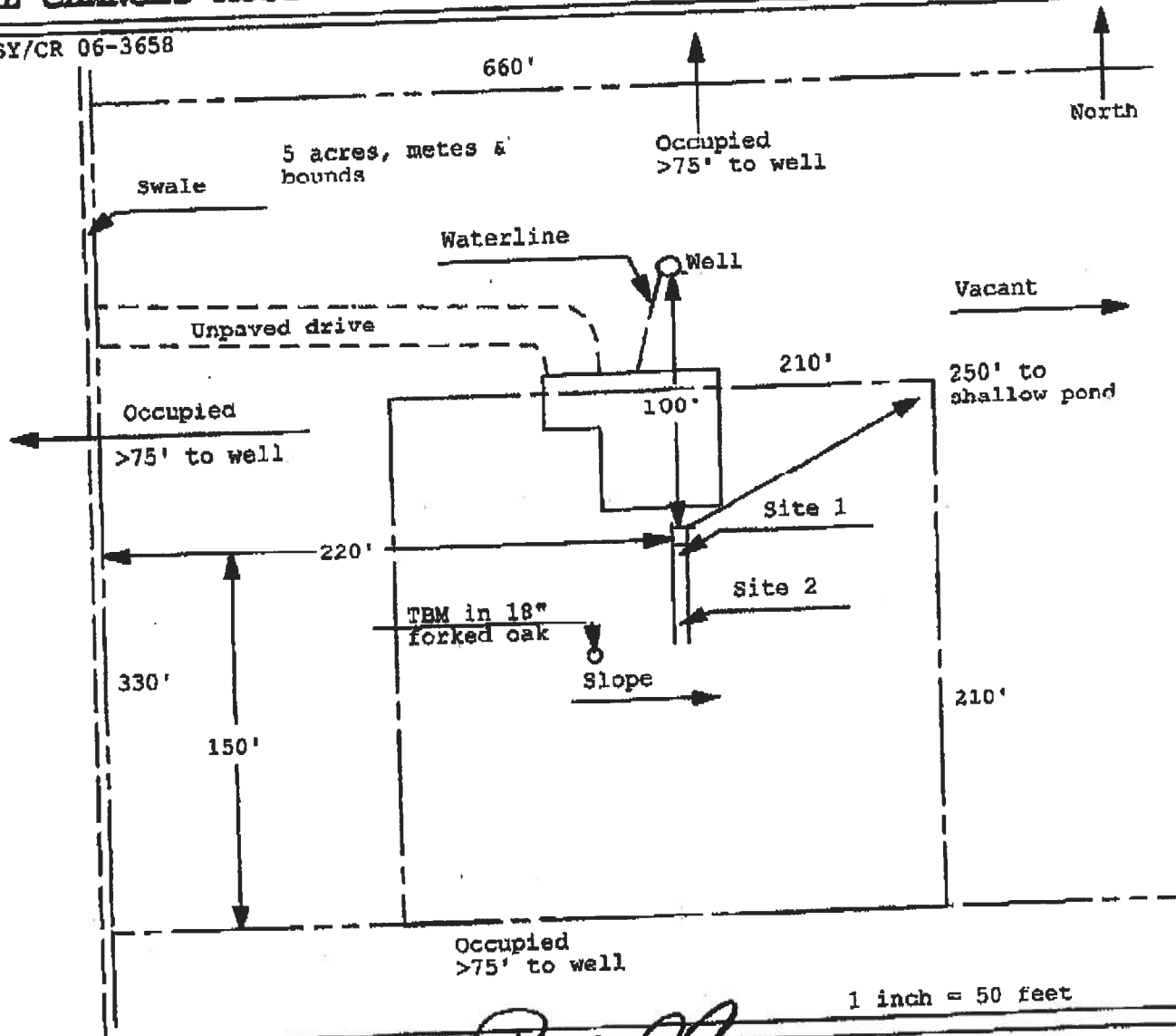
0609-93 Calvin Twensey

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0813N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

TWENSY/CR 06-3658



1 inch = 50 feet

Site Plan Submitted By Paul D. [Signature]Date 8/24/06Plan Approved ☒Not Approved ☐Date 9/15/06By Mr. [Signature]

Columbia

CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Adams Framing & Construction**
Address: **73rd Lane**
City, State: **, FL 32025-**
Owner: **73rd Lane Speck**
Climate Zone: **North**

Builder: **Adams Framing & Const.**
Permitting Office: **Columbia**
Permit Number: **25116**
Jurisdiction Number: **221000**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1621 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area

(or Single or Double DEFAULT) 7a(Sngle Default) 227.8 ft² ☐
 - b. SHGC:

(or Clear or Tint DEFAULT) 7b. (Clear) 227.8 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 200.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1273.2 ft² ☐
 - b. Frame, Wood, Adjacent R=13.0, 268.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1700.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts(Leak Free)
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 40.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 41.0 kBtu/hr ☐
SEER: 12.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 41.0 kBtu/hr ☐
HSPF: 7.00 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons ☐
EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits PT, ☐
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.14

Total as-built points: 22595

Total base points: 25252

PASS

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

PREPARED BY: Jon Meeds

DATE: 8-8-06

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

OWNER/AGENT: Link Nole

DATE: 8-21-06

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

BUILDING OFFICIAL: _____

DATE: _____



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

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

ADDRESS: 73rd Lane, , FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1621.0	20.04	5847.3	Single, Clear	W	1.5	9.0	60.0	43.84	0.97	2552.3
				Single, Clear	W	11.5	9.0	40.0	43.84	0.47	832.3
				Single, Clear	S	15.5	9.0	17.8	40.81	0.46	333.2
				Single, Clear	N	1.5	9.0	15.0	21.73	0.98	318.0
				Single, Clear	N	1.5	9.0	9.0	21.73	0.98	190.8
				Single, Clear	N	1.5	9.0	4.0	21.73	0.98	84.8
				Single, Clear	E	1.5	9.0	30.0	47.92	0.97	1394.1
				Single, Clear	E	6.5	9.0	30.0	47.92	0.60	868.1
				Single, Clear	E	1.5	9.0	6.0	47.92	0.97	278.8
				Single, Clear	S	1.5	9.0	16.0	40.81	0.94	616.5
				As-Built Total: 227.8 7468.8							
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	268.0	0.70	187.6	Frame, Wood, Exterior	13.0		1273.2	1.50		1909.8	
Exterior	1273.2	1.70	2164.4	Frame, Wood, Adjacent	13.0		268.0	0.60		160.8	
Base Total: 1541.2 2352.0				As-Built Total:		1541.2		2070.6			
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	20.0	1.60	32.0	Exterior Insulated			20.0	4.10		82.0	
Exterior	20.0	4.10	82.0	Adjacent Insulated			20.0	1.60		32.0	
Base Total: 40.0 114.0				As-Built Total:		40.0		114.0			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1621.0	1.73	2804.3	Under Attic	30.0		1700.0	1.73 X 1.00		2941.0	
Base Total: 1621.0 2804.3				As-Built Total:		1700.0		2941.0			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	200.0(p)	-37.0	-7400.0	Slab-On-Grade Edge Insulation	0.0		200.0(p)	-41.20		-8240.0	
Raised	0.0	0.00	0.0								
Base Total: -7400.0				As-Built Total:		200.0		-8240.0			
INFILTRATION Area X BSPM = Points						Area X SPM		= Points			
1621.0 10.21 16550.4						1621.0 10.21		16550.4			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 73rd Lane, , FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 20268.1				Summer As-Built Points: 20904.8						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 41000 btuh , SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				20905	1.00	(1.09 x 1.000 x 0.91)	0.284	0.950		5602.6
20268.1	0.4266		8646.4	20904.8	1.00	0.992	0.284	0.950		5602.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 73rd Lane, , FL, 32025-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points					
.18	1621.0	12.74	3717.3	Single, Clear	W	1.5	9.0	60.0	28.84	1.01	1744.1	
				Single, Clear	W	11.5	9.0	40.0	28.84	1.19	1375.3	
				Single, Clear	S	15.5	9.0	17.8	20.24	3.44	1240.4	
				Single, Clear	N	1.5	9.0	15.0	33.22	1.00	498.5	
				Single, Clear	N	1.5	9.0	9.0	33.22	1.00	299.1	
				Single, Clear	N	1.5	9.0	4.0	33.22	1.00	132.9	
				Single, Clear	E	1.5	9.0	30.0	26.41	1.02	804.7	
				Single, Clear	E	6.5	9.0	30.0	26.41	1.20	952.2	
				Single, Clear	E	1.5	9.0	6.0	26.41	1.02	160.9	
				Single, Clear	S	1.5	9.0	16.0	20.24	1.02	331.4	
				As-Built Total:				227.8	7539.6			
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Adjacent	268.0	3.60	964.8	Frame, Wood, Exterior	13.0		1273.2	3.40	4328.9			
Exterior	1273.2	3.70	4710.8	Frame, Wood, Adjacent	13.0		268.0	3.30	884.4			
Base Total:				As-Built Total:				1541.2	5213.3			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points					
Adjacent	20.0	8.00	160.0	Exterior Insulated			20.0	8.40	168.0			
Exterior	20.0	8.40	168.0	Adjacent Insulated			20.0	8.00	160.0			
Base Total:				As-Built Total:				40.0	328.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points					
Under Attic	1621.0	2.05	3323.0	Under Attic	30.0		1700.0	2.05 X 1.00	3485.0			
Base Total:				As-Built Total:				1700.0	3485.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points					
Slab	200.0(p)	8.9	1780.0	Slab-On-Grade Edge Insulation	0.0		200.0(p)	18.80	3760.0			
Raised	0.0	0.00	0.0									
Base Total:				As-Built Total:				200.0	3760.0			
INFILTRATION Area X BWPM = Points								Area X WPM = Points				
								1621.0	-0.59	-956.4		

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

ADDRESS: 73rd Lane, , FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		13867.6		Winter As-Built Points:				19369.5		
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.069 x 1.000 x 0.93)	X System Multiplier 0.487	X Credit Multiplier 0.950	=	Heating Points 8911.7
13867.6	0.6274		8700.5	(sys 1: Electric Heat Pump 41000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0 19369.5	1.000	1.00	0.994	0.487		8911.7
				19369.5				0.950		8911.7

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: 73rd Lane, , FL, 32025-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	8080.7
				As-Built Total:					8080.7

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8646	8701	7905	25252	5603	8912	8081	22595

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 73rd Lane, , FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.4

The higher the score, the more efficient the home.

73rd Lane Speck, 73rd Lane, , FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 12.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1621 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 227.8 ft ²	___		HSPF: 7.00
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 227.8 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 200.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
c. N/A	___	___		EF: 0.90
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1273.2 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Adjacent	R=13.0, 268.0 ft ²	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	PT, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1700.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts(Leak Free)		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 40.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____ Date: _____

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



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

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

Energy Code Compliance

Duct System Performance Report

Project Name: Adams Framing & Construction Address: 73rd Lane City, State: , FL 32025- Owner: 73rd Lane Speck Climate Zone: North	Builder: Adams Framing & Const. Permitting Office: Permit Number: Jurisdiction Number:
--	---

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25 _(tot)	_____ cfm25 _(out)
2	System2	_____ cfm25 _(tot)	_____ cfm25 _(out)
3	System3	_____ cfm25 _(tot)	_____ cfm25 _(out)
4	System4	_____ cfm25 _(tot)	_____ cfm25 _(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) ☐ Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) ☐ Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at:
<http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
DATE: _____

25116
Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 12/98
Address 536 SE BAYA
City Lake City **Phone** 752-1703

Site Location **Subdivision** _____
Lot# _____ **Block#** _____ **Permit#** 25116
Address 201 SW Paul Allison Ct

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	11-20-06	145	260	GARY F. 251
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron				
Out Building				
Tub Trap/s				
(Other)				

Name of Product Applied Premise 0.1 %
Remarks Exterior incomplete

Attn: WeGgie

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001238**

DATE: 10/13/2006

BUILDING PERMIT NO. 25116

APPLICANT CALVIN TWENSEY

PHONE 954 303-2567

ADDRESS 201 SW PAUL ALLISON COURT

LAKE CITY

FL 32024

OWNER CALVIN & DARLENE TWENSEY

PHONE 954 303-2567

ADDRESS 201 SW PAUL ALLISON COURT

LAKE CITY

FL 32024

CONTRACTOR CALVIN TWENSEY

PHONE 954 303-2567

LOCATION OF PROPERTY 90W, TL ON 247S, TR ON MILL ROAD, TR ON PAUL ALLISON CT,

2ND LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

PARCEL ID # 36-4S-15-00414-103

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

SIGNATURE: X *[Signature]*

A SEPARATE CHECK IS REQUIRED

MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: SW PAUL ALLISON IS PRIVATE

SIGNED: *[Signature]*

DATE: 10/19/06

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

RECEIVED

OCT 17 2006

By: _____

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



COLUMBIA COUNTY OFFICE CALVIN

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 36-4S-15-00414-103

Building permit No. 000025116

Use Classification SFD, UTILITY

Fire: 27.90

Permit Holder CALVIN TWENSEY

Waste: 83.75

Owner of Building CALVIN & DARLENE TWENSEY

Total: 111.65

Location: 201 SW PAUL ALLISON CT, LAKE CITY, FL

Date: 05/04/2007



Hans Dicks by *GT* Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)