

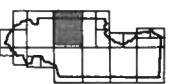
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0175 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

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

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

Parcel: 07-4S-17-08110-006

2005 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	CRAWFORD CARRIE &
Site Address	MAYHALL
Mailing Address	MATTHEW D CASON (JTWRS) P O BOX 727 LAKE CITY, FL 32056
Brief Legal	COMM AT NW COR OF LOT 15 HOLLY HILL S/D & RUN S 20 DEG W 182.49 FT TO SW COR OF

Use Desc. (code)	VACANT (000000)
Neighborhood	7417.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.900 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$13,127.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$13,127.00

Just Value	\$13,127.00
Class Value	\$0.00
Assessed Value	\$13,127.00
Exempt Value	\$0.00
Total Taxable Value	\$13,127.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
10/21/2005	1062/2168	WD	I	Q		\$24,000.00
5/16/2003	983/2062	WD	I	U	02	\$100.00
3/21/1996	826/313	WD	I	U	02	\$0.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	.900 AC	1.00/1.00/1.10/1.00	\$14,585.56	\$13,127.00

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

1 of 1

This instrument was Prepared By:
STANLEY CRAWFORD CONSTRUCTION, INC.
853 S.W. Sisters Welcome Rd.
Lake City, Florida 32025

PERMIT NO. _____

TAX FOLIO NO.: _____

NOTICE OF COMMENCEMENT

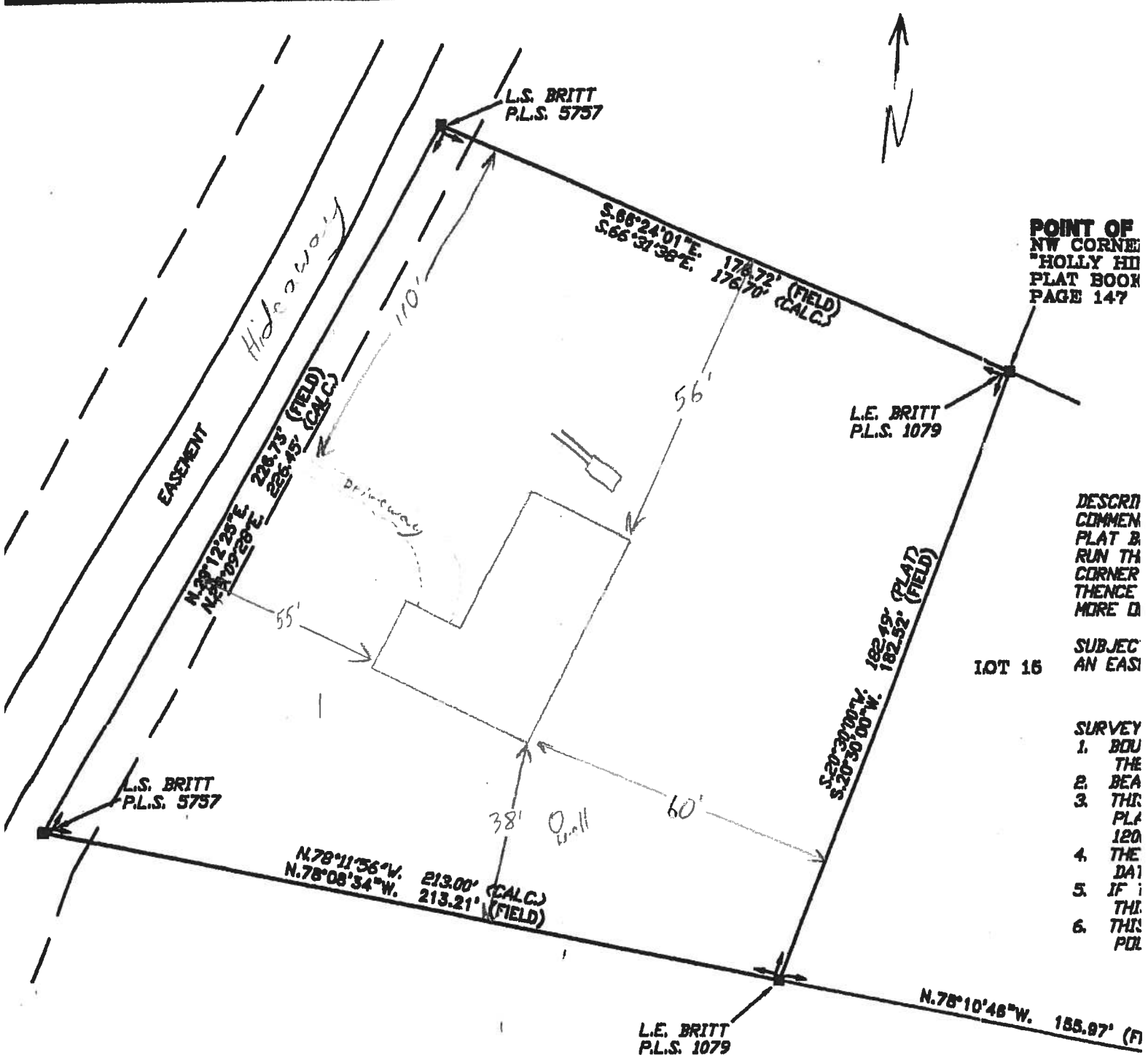
STATE OF FLORIDA
COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real Property, and in accordance with Chapter 713, Florida Statutes, the following information Is provided in this Notice of Commencement.

1. Description of property: See Attachment
2. General description of improvement: Construction of Dwelling
3. Owner information:
Name and address: Matthew D. Cason
P.O.Box 727
Lake City, FL 32056
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other Than owner): NONE
4. Contractor: Stanley Crawford Construction, Inc.
853 S.W. Sisters Welcome Rd ,Lake City, FL 32025
5. Surety N/A
 - a. Name and address:
 - b. Amount of bond:

Inst: 2006000230 Date: 01/05/2006 Time: 16:23
DC, P. Dewitt Cason, Columbia County B: 1070 P: 1

CASON



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 6. 120
 7. THE
 8. DA1
 9. IF
 10. THIR
 11. POL

CERTIFIED TO:

RAY BURNETT

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MET TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS IN CHAPTER 61B17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 47B.007, FLORIDA STATUTES.

05/15/03
FIELD SURVEY DATE

05/16/03
DRAWING DATE

[Signature]
L. SCOTT BRITT, P.E.
CERTIFICATION # 5757

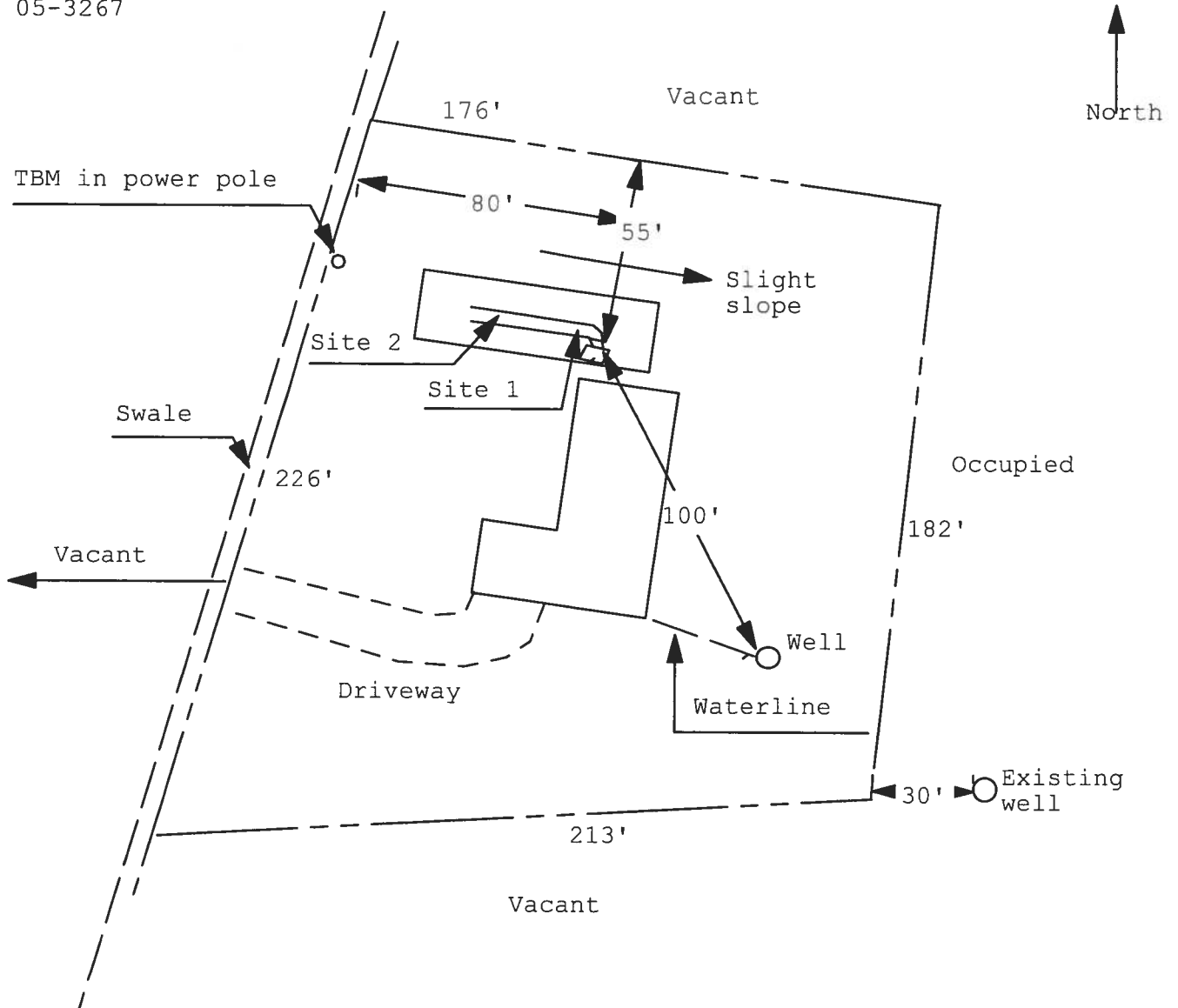
NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT A SURVEY.

LD BOOK: SEE PAGE(S): FILE

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
 Permit Application Number: 016-0002N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CASON/CR 05-3267



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 12/19/05
 Plan Approved ☒ Not Approved ☐ Date 1-4-06
 By Mr. & Mrs. [Signature] Columbia CPHU

Notes: _____

Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697

Telephone Number (386)496-2488
FAX Number (386)496-4640

MEMBER OF
The
North Central
Florida Water
Well

K. Melaine
"Red" Clyatt

June 18, 2002

Columbia County Building Department
Post Office Box 1529
Lake City, Florida 32056

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the above-referenced well:

Size of Pump Motor:	1-1/2 Horse Power
Size of Pressure Tank:	220 Gallon Equivalent
Cycle Stop Valve Used:	No

Should you require any additional information, please do not hesitate to contact us.

Respectfully,

CLYATT WELL DRILLING, INC.



K. Melaine "Red" Clyatt
President

Clyatt Well Drilling, Inc.
(Established in 1971)
POST OFFICE BOX 180
WORTHINGTON SPRINGS, FLORIDA 32697

Telephone Number (386)496-2488
FAX Number (386)496-4640

**PUMP AND TANK SPECIFICATIONS FOR
STANDARD 4" RESIDENTIAL WELLS**

PUMPS

1 Horse Power Submersible Pump
20 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

1.5 Horse Power Submersible Pump
25 Gallons Per Minute
Voltage: 240
Phase: (Single) 1

TANK

WF-255 Captive Air Tank
Capacity 81 Gallons
Equivalent 220 Gallons
Draw Down 25 Gallons

Prepared By:
Ray Burnett
Route 10 Box 947
Lake City, Florida 32025

nst:2003010511 Date:05/20/2003 Time:14:48
oc Stamp-Deed : 0.70
777 DC, P. DeWitt Cason, Columbia County B:983 P:2062

Warranty Deed

(The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates.)

Made this 16th day of May, 2003, BETWEEN
OKEY RAY BURNETT, a married man not residing on this property
whose post office address is: Route 10 Box 947, Lake City, Florida 32025

of the County of Columbia, State of Florida, grantor, and
CAMBER L. CLARK AND PAULA L. CLARK, his wife
whose post office address is: Route 23 Box 2255, Lake City, Florida 32025

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

Commence at the NW corner of Lot 15 of Holly Hill as per Plat thereof recorded
in Plat Book 6, Pages 147 - 148 of the Public Records of Columbia County,
Florida and run thence S 20°30'00" W along the West line of said Lot 15
182.49 feet to the SW corner of said Lot 15, thence N 78°11'56" W, 213.00 feet, thence
N 29°09'28" E, 266.45 feet, thence S 66°31'38" E, 176.70 feet to the Point
of Beginning, Parcel contains 0.90 Acres, more or less.
IN COLUMBIA COUNTY, FLORIDA.

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

IN WITNESS WHEREOF, Grantor has hereunto set grantor's hand and seal the day and year first above written.
Signed, Sealed and Delivered in Our Presence:

Paul M. Smith

OKAY RAY BURNETT
OKAY RAY BURNETT

Robert M. Smith
PLEASE PRINT OR TYPE NAME AS IT APPEARS

Pearl Tomlinson

Pearl TOMLINSON
PLEASE PRINT OR TYPE NAME AS IT APPEARS

nst:2003010511 Date:05/20/2003 Time:14:48

or Stamp-Deed : 0.70

7777 DC, P. DeWitt Cason, Columbia County B:983 P:2063

STATE OF FLORIDA

COUNTY OF Columbia

I HEREBY CERTIFY that on the day of May 20, 2003

before me personally appeared

OKAY RAY BURNETT

who is personally known to me or who has produced the identification shown below, who is the person described in and who executed the foregoing instrument, and who, after being duly sworn, says that the execution hereof is his/her free act and deed for the uses and purposes herein mentioned.

SWORN TO AND SUBSCRIBED before me the undersigned Notary Public by my hand and official seal, the day and year last aforesaid.

☒ To me personally known

☐ Identified by Driver's License

My Commission Expires: June 24, 2004

Shirley Darlene Kammeyer
Notary Public

Commission No.: CC933296

PLEASE PRINT OR TYPE NAME AS IT APPEARS



Shirley Darlene Kammeyer
My Commission CC933296
Expires June 24 2004

NOTICE OF TREATMENT

Applicator Name MCCALL SERVICE INC
Address 4647 NW 6th ST # F
City GAINESVILLE, FLA
Time 7:35 AM Date 8-15-01

24061

* 23485

SITE LOCATION

Lot # _____ Block # _____ Permit # _____

Subdivision _____

Address 369 SW CHASE CT
FONT WHITE, FLA

Name of Chemical Applied TERMINON Used ☒ %

Area Treated 1450 SSFT ~~POA~~

Gallons Used 140 GALLON

Remarks _____

TREATMENT FOR PONCIE

PAID CK \$ 283

Notice of Treatment 11920

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

Address: Bellm Ave

City Lake City Phone 782-1703

Site Location: Subdivision _____

Lot # 15 Block# _____ Permit # 24061

Address 321 SW Highway Dr.

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
---------------------	--------------------------	------------------------

<input type="checkbox"/> Premise	Imidacloprid	0.1%
----------------------------------	--------------	------

<input type="checkbox"/> Termidor	Fipronil	0.12%
-----------------------------------	----------	-------

<input checked="" type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%
---	----------------------------------	-------

Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

<u>DWL</u>	<u>31015</u>	<u>796</u>	<u>7.5</u>
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_____	_____	_____	_____
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_____	_____	_____	_____
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_____	_____	_____	_____
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As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

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

5/15/06
Date

11:00
Time

F 254 Gentry
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



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

0601-14

Reference to: Build permit application Number:

Stanley Crawford Matt Carson 853 SW Sister Welcome Road

On the date of January 11, 2006 application 0601-14 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.

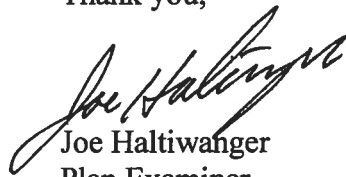
Please include application number 0601-14 when making reference to this application.

mcc ✓
1/11/06 1. Please verify that the 4050 SH window in the master bath near the tub area will be in compliance with the FRC-2004 section R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface.

mcc ✓
1/11/06 2. On the electrical plan show the location of the electrical panel and include the total amperage rating of the electrical service panel.

3. Please have Mr. Mark Disosway supply the following information, show all required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.

Thank you,

A handwritten signature in black ink, appearing to read "Joe Haltiwanger", written in a cursive style.

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

CERTIFIED TESTING LABORATORIES

Architectural Division • 7252 Narcoossee Rd. • Orlando, FL 32822

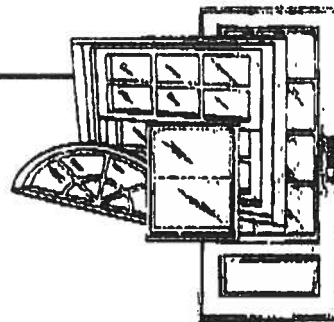
(407) 384-7744 • Fax (407) 384-7751

Web Site: www.ctlarch.com

E-mail: ctlarch.com

Report Number: CTLA-991W-1-AWT

Report Date: February 18, 2003



STRUCTURAL PERFORMANCE TEST REPORT

Client: ACTION WINDOOR TECHNOLOGY INC
1312 W. CROSBY ROAD
CARROLLTON, TX 75006

Product Type and Series: AWT Series 3950 Vinyl Fin Frame Single Hung Window with Reinforced Sash Top Rail, Stiles & Meeting Rail H-R40 (36" x 72")

Test Specifications: AAMA/NWDA 101/ISO 2-97 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"

Frame: Vinyl Fin frame measured 35.50" wide x 71.50" high overall. Mitered corner weld construction. Fixed meeting rail secured to each frame jamb with one (1) #8 x 2" PH., PH. screw.

Ventilator: Operable sash measured 33.375" wide x 35.25" high overall. Mitered corner weld construction. Clear lite measured 31.5625" high x 33.5625" high. Fixed lite measured 32.50" wide x 33.4375" high.

Weather Stripping: One (1) strip of woolpile .220" high with integral plastic fin frame sill. One (1) strip of woolpile .250" high with integral plastic fin sash top rail exterior. One (1) strip of woolpile .250" high each sash stile exterior leg. One (1) strip of woolpile .250" high with integral plastic fin each sash stile interior leg. One (1) strip of foam filled bulb weatherstrip sash bottom rail.

Hardware & Location: Two (2) metallic sweep locks located on sash top rail approx 8" from each end of rail. Two (2) metallic keepers located on fixed meeting rail. One (1) tilt latch at each end of sash top rail. One (1) block and tackle at each frame jamb. One (1) pivot bar at each end of sash bottom rail.

Glazing: 5/8" insulated annealed glass consisting of .125" glass .375" air space with swiggle .125" glass. Sash exterior glazed. Fixed lite interior glazed adhesive foam strip backbedding and vinyl snap in glazing bead.

Sealant: A silicone type sealant was used on sill and to seal specimen to test buck.

Weep System: Weep notch measuring 2.25" x leg height located each end of sill weeping to the exterior

Muntins: N/A

Reinforcement: Fixed meeting rail has one (1) piece of extruded aluminum reinforcement measuring .662" wide x .755" high x .099" thick x full length. Top rail, and sash stiles has one (1) piece of extruded aluminum reinforcement measuring .590" wide x .995" high x .115" thick x full length.

Additional Description: N/A

Screen: Roll formed aluminum frame, fiberglass mesh with vinyl splino. Two (2) metallic retainer clips and two (2) metallic plungers. Corners secured with plastic corner keys

Installation: Twenty-six (26) 1.75" roofing nails were used to secure the specimen to the wood test buck. Five (5) were located in head and sill measuring 4", 13", 21", 29", and 33" from left jamb. Eight (8) were located in each jamb measuring 4.50", 14.25", 24", 32.75", 42", 57.25", 60.50" and 70" from sill.

Surface Finish: White Vinyl

Comment: Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The film was used in a manner that did not influence the test results

Performance Test Results

Paragraph No	Title of Test	Method	Measured	Allowed
2.1.2	Air Infiltration @1.37 psf	ASTM E283-91	.18 cfm/ft ²	.34 cfm/ft ²
The tested specimen meets or exceeds the performance levels specified in AAMA/NWWDA 101/1.S.2-97. Results recorded in two (2) decimals at the clients request. Unit tested with shims installed under cam locks.				
2.1.3	Water Resistance @ 5.0 gph/ft ²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP= 6.75 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
Unit tested with insect screen.				
2.1.3	Water Resistance @ 5.0 gph/ft ²	ASTM E547-93 Four (4) five (5) minute cycles	No Entry	No Entry
	WTP= 6 psf	ASTM E331-93 Fifteen (15) minute duration	No Entry	No Entry
Unit tested without insect screen.				
2.1.4.2	Uniform Load Structural Permanent Deformation @ 60 psf positive @ 60 psf negative	ASTM E330-90 Ten (10) second load	.015" .005"	.134" .134"
2.1.8	Forced Entry Resistance	AAMA 1302.5-76		
	Test A		0"	1/4"
	Test B		0"	1/4"
	Test C		0"	1/4"
	Test D, E and F		0"	1/4"
	Test G		0"	1/4"

Performance Test Results (continued)

Paragraph No	Title of Test	Method	Measured	Allowed
2.2.2.5.1	Operating Force Sash	AAMA/NWDA 101/IS.2-97	18 lbs.	30 lbs.
2.2.2.5.2	Deglazing	ASTM E987-88		
	Top Rail 70 lbs		.039" = 7.8% < 100%	
	Bottom Rail 70 lbs.		.038" = 7.6% < 100%	
	Left Side 50 lbs.		.050" = 10% < 100%	
	Right Side 50 lbs.		.035" = 7.0% < 100%	
2.1.7	Welded Corner Test	AAMA/NWDA 101/ IS2-97	Passed	

Test Date

November 21, 2002

Test Completion Date:

November 21, 2002

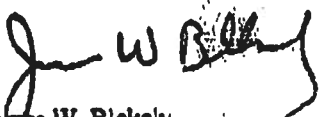
Remarks:

Detailed drawings were available for laboratory records and comparison to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by CTL for a period of four (4) years. The results obtained apply only to the specimen tested.

This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and they indicate compliance with the performance requirements (paragraphs as listed) of the above referenced specifications.

Certified Testing Laboratories assumes that all information provided by the client is accurate and that the physical and chemical properties of the components are as stated by the manufacturer.

Certified Testing Laboratories, Inc.


James W. Blakely
Vice President
Architectural Division

cc: Action Window Technology Inc.
File (1)

(3)

Report Number: ETC-04-034-14644.0

Test Start Date: 04/10/03

Test Finish Date: 03/16/04

Report Date: 03/18/04

Expiration Date: 03/18/08

Penetration Structural Test Report

Rendered To:

Vinyl Building Products, Inc.
One Raritan Road
Oakland, NJ 07436

Series/Model

2900 Horizontal Slider (OX)

Description: The product tested was a vinyl Horizontal Sliding window. The test specimen was glazed with 5/8-inch thick insulating glass units constructed with double strength annealed glass. The frame size was 69 inches wide by 48 inches high by 2-3/4 inches deep. See Appendix A.

Test Specification: ANSI/AAMA/NWDA 101/1.S.2

Summary of Results

Overall Design Pressure	35.0 psf
Air Leakage Rate	0.18 scfm/ft ²
Maximum Water Pressure Achieved	5.25 psf
Maximum Structural Pressure Achieved	60.0 psf
Forced Entry Resistance - (ASTM)	Grade 10

Product Designation**H-R35 69 x 48****TEST REPORT****ETC Laboratories**

Specifications: The test specimen was evaluated in accordance with ANSI/AAMA/NWDA 101/I.S.2 "Voluntary Specification for Aluminum, Vinyl and Wood Windows and Glass Doors". Sections 1, 2 and 4 only. All performance specifications in this standard shall be met for full compliance to the standard and for product certification, labeling or represented as conforming to this standard.

Referenced Test Reports: NONE

Note - The test data in any section below with an "RTR" comment have not been obtained from this specimen but from the Referenced Test Report with a specimen of the same or larger size and identical construction.

Design Pressure (DP): The product tested herein has been first evaluated to the Gateway pressure in the referenced specification for the performance class rating achieved.

Gateway Performance Tests

<u>Specification Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
2.1.2	<u>Air Infiltration - ASTM E283</u> Test Pressure - 1.57 psf The tested specimen exceeds the performance levels specified in ANSI/AAMA/NWDA 101/I.S.2 for air infiltration.	0.18 scfm/ft ²	0.30 scfm/ft ²
2.1.3	<u>Water Resistance - ASTM E547</u> 5 gal/hr-ft ² - 4 Test cycles - 24 Minutes Design Pressure - 15.0 psf Test Pressure - 2.86 psf With and Without Screen	Pass	No Leakage
2.1.4.2	<u>Uniform Structural Load - ASTM E330</u> Design Pressure - 15.0 psf Test Pressure Positive Load - 22.5 psf (150% x DP) Negative Load - 22.5 psf (150% x DP) Note: Measurement taken after load from center of the meeting stile	0.033 in. 0.020 in.	0.177 in. 0.177 in.
2.1.7	<u>Corner Weld</u> Frame - 4 Corners Sashes - 4 Corners	Pass Pass	< 100% < 100%
2.1.8	<u>Forced Entry Resistance - ASTM F588</u> Lock/Tool Manipulation Tests A1 through A7 Lock/Tool Manipulation	Pass Pass Pass	No Entry No Entry No Entry
2.2.1.6.1	<u>Operating Force - No Standardized Method</u> Right Sash - Open/Close	18/18 lbf	20 lbf
2.2.1.6.2	<u>Deglazing - ASTM E987</u> Right Sash: Left Stile - 70 lbf Right Stile - 70 lbf Top Rail - 50 lbf Bottom Rail - 50 lbf	0.0% 0.0% 0.0% 0.0%	<100% <100% <100% <100%

Optional Performance Tests

The manufacturer specified herein has successfully achieved all the required criteria in Section 2 of the referenced specification for the Gateway size of the achieved Performance Rating and has further successfully tested the product to higher performance levels as indicated below.

Design Pressure (DP): The product tested herein has been additionally evaluated to the Design Pressure referenced below.

<u>Specification Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
4.3	<u>Water Resistance - ASTM E547</u> 5 gal/hr-ft ² - 4 Test cycles - 24 Minutes Design Pressure - 35.0 psf Test Pressure - 5.25 psf (15% x DP) With and Without Screen	Pass	No Leakage
4.4	<u>Uniform Structural Load - ASTM E330</u> Design Pressure - 40.0 psf Test Pressure Positive Load - 60.0 psf (150% x DP) Negative Load - 60.0 psf (150% x DP) Note: Measurement taken after load from center of meeting stile	0.069 in. 0.066 in.	0.177 in. 0.177 in.

Conditions, Terms, and General Notes Regarding These Tests

The product tested Has Been compared to the detailed drawings, bill of materials and fabrication information supplied by the client so named herein. Our analysis, which includes dimensional and component description comparisons, indicate the tested product and engineering information supplied by the client "Are Equivalent". See Appendix A. The report and representative samples will be retained for four years from the date of initial test.

These test results were obtained by employing all requirements of the designated test methods with no deviations. The test results and specimen supplied for testing are in compliance with the referenced specifications.

The test results are specific to the product tested by this laboratory and of the sample supplied by the client named herein, and they relate to no other product either manufactured by the client, a Fabricator of the client or of installed field performance.


This report does not constitute an AAMA or NWWDA certified product under the certification programs of these organizations. The program administrator of these programs and organizations may only grant product certification.

ETC Laboratories makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of ETC Laboratories.

No conclusions of any kind regarding the adequacy of the glass in the test specimen may be drawn from the test. Procedure "A" in ASTM E330 was used for this test.

ETC Laboratories letters, reports, its name or insignia or mark are for the exclusive use of the client so named herein and any other use is strictly prohibited. The report, letters and the name of ETC Laboratories, its seal or mark shall not be used in any circumstance to the general public or in any advertising.

Limitation of Liability: Due diligence was used in rendering this professional opinion. By acceptance of this report, this client agrees to hold harmless and indemnify ETC Laboratories, its employees and offices and owners against all claims and demands of any kind whatsoever, which arise out of or in any manner connected with the performance of work referred to herein.

FOR ETC LABORATORIES

Mark Sennett
AWS Supervisor



Arthur Murray, VP
Manager, Wind Engineering Laboratory

TEST REPORT

ETC Laboratories



March 6, 2002

Subject: Elk Product Approval Information

All Prestique® and Capstone® products manufactured in Tuscaloosa, AL are certified under the Miami – Dade County Building Code Office (BCCO). These products also meet the requirements for the Florida Building Code since they are MD approved. The following test protocols must be passed by each of the products in order for MD product certification:

ASTM D3462

PA 100 (110 mph uplift and wind driven rain resistance)

PA 107 (Modified ASTM D3161 - 110 mph wind uplift resistance)

The nailing patterns that were used during the PA 100 and PA 107 wind test protocols for the Prestique and Capstone products are listed below. Also listed below are the Miami – Dade Notice of Acceptance Numbers (NOA).

Raised Profile, Prestique High Definition, Prestique 25, or Prestique 30 –

PA 100 = 4 nails

PA 107 = 5 nails

MD NOA# = 01-1226.04

Prestique I 35 or Prestique I* –

PA 100 = 4 nails

PA 107 = 5 nails

MD NOA# = 01-1226.05

Prestique Plus or Prestique Gallery Collection* –

PA 100 = 4 nails

PA 107 = 4 nails

MD NOA# = 01-1226.03

Capstone*

PA 100 = 4 Nails

PA 107 = 4 Nails

MD NOA# = 01-0523.01

* As per the Elk Limited Warranty, six nails are required for the Elk high wind warranty.

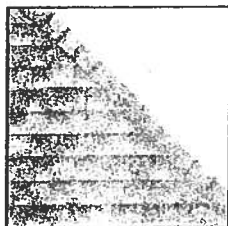
If there are any questions please contact:

Mike Reed – Technical Manager
(205) 342-0287

or

Daniel DeJarnette – QA Engineer
(205) 342-0298

ROOFING PRODUCTS SPECIFICATIONS – TUSCALOOSA, AL



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

High Definition

Product size	13 1/4" x 39 1/8"	50-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5 1/2"	
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	11	

Product size	13 1/4" x 38 1/2"	30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5 1/2"	
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

High Definition

Product size	13 1/4" x 39 1/8"	40-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5 1/2"	
Pieces/Bundle	16	
Bundles/Square	4/98.5 sq.ft.	
Squares/Pallet	14	

HIP AND RIDGE SHINGLES

Size: 12" x 12"
Exposure: 6 1/4"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

High Definition

Product size	13 1/4" x 38 1/2"	30-year limited warranty period: non-prorated coverage for shingles and application labor for the initial 5 years, plus an option for transferability*; prorated coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*.
Exposure	5 1/2"	
Pieces/Bundle	22	
Bundles/Square	3/100 sq.ft.	
Squares/Pallet	16	

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

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

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

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

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

*See actual limited warranty for conditions and limitations.

**Check for product availability.

SPECIFICATIONS

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

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

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

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

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

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

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

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

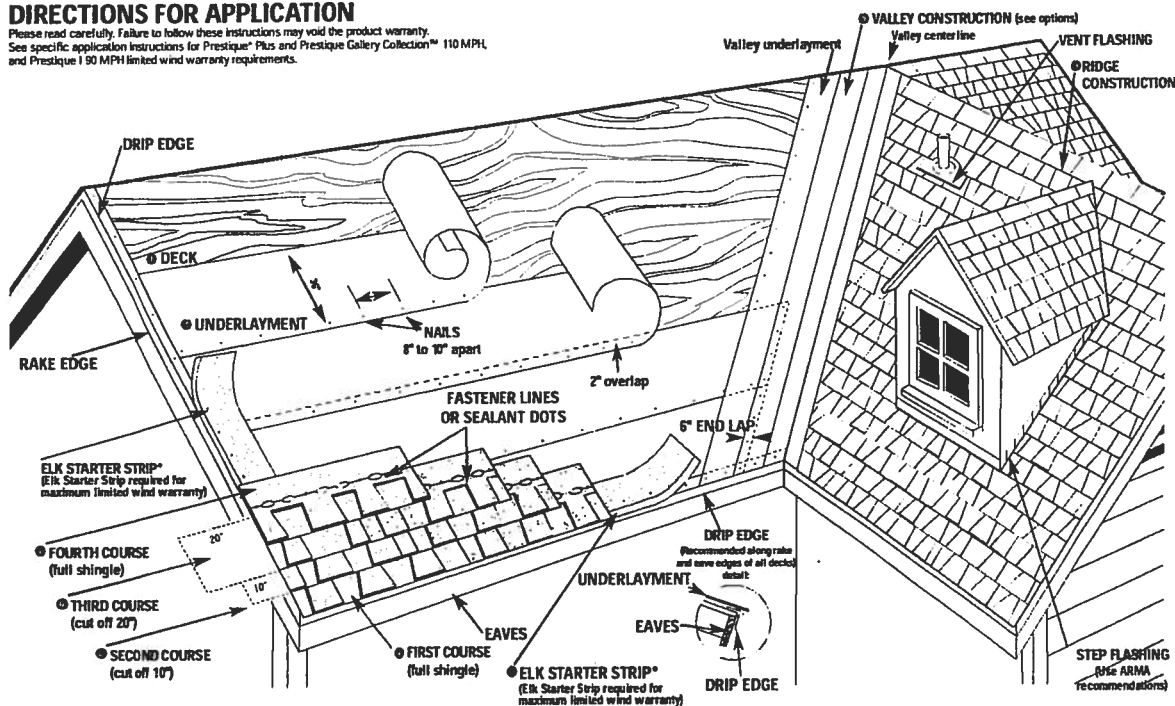
CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

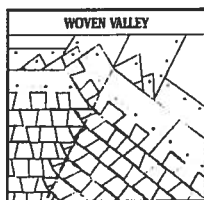
ELK
www.elkcorp.com

DIRECTIONS FOR APPLICATION

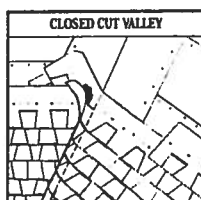
Please read carefully. Failure to follow these instructions may void the product warranty. See specific application instructions for Prestique® Plus and Prestique Gallery Collection™ 110 MPH, and Prestique 190 MPH limited wind warranty requirements.



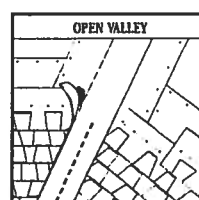
● **VALLEY CONSTRUCTION OPTION** (California Open and California Closed are also acceptable) NOTE: For complete ARMA valley installation details, see ARMA Residential Asphalt Roofing Manual.



VALLEY CENTER LINE



VALLEY CENTER LINE



VALLEY CENTER LINE

DIRECTIONS FOR APPLICATION

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

● DECK PREPARATION

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

● UNDERLAYMENT

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

For low slope (2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 18". Begin by fastening a 18" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

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

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

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

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

● STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE. With at least 4" trimmed from the end of the first shingle, start at the rake edge overhanging the eave 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side. Shingles may be applied with a course alignment of 45° on the roof.

● FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course.

● SECOND COURSE

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

● THIRD COURSE

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

● FOURTH COURSE

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

FIFTH AND SUCCEEDING COURSES.

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

● VALLEY CONSTRUCTION

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

● RIDGE CONSTRUCTION

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

FASTENERS

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

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

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

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

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

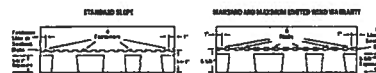
MANSARD APPLICATIONS

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

LIMITED WIND WARRANTY

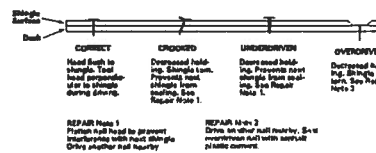
• For a Limited Wind Warranty, all Prestique and Raised Profile® shingles must be applied with 6 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.

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



HELP STOP BLOW-OFFS AND CALL-BACKS

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



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

CAUTION TO WHOLESALE: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

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ELK
www.elkcorp.com



Underwriters Laboratories Inc.®

333 Princeton Road
Northbrook, Illinois 60062-8008
United States Country Code (1)
(847) 272-4800
FAX No. (847) 272-6129
<http://www.ul.com>

March 4, 2002

GAF Materials Corporation
Mr Randall Ziegler
1361 Alps Road
Wayne, NJ 07470

Our Reference: R21

Subject: UL Listed products

Dear Mr Ziegler:

This is in response to your request to identify some of the products that are currently Listed with Underwriters Laboratories relating to various Standards. Following are those products:

Royal Sovereign®
Marquis®/Marquis® WeatherMax®
SLATELINE®
Grand canyon™
Grand Sequoia®
Country Mansion™
Country Estates™
Timberline 30™
Timberline Select™ 40
Timberline Ultra™
Sentinel®

The above products have been tested to ASTM D3462, Class A UL790/ASTM E108 and UL 997/ASTM D3161 (secured with 4 nails) with velocities up to 110 mph and have successfully met those test criteria.

If you have any questions please feel free to contact the writer.

Very truly yours,

Reviewed by,

Roger Anderson (Ext. 43283)
Senior Engineering Associate
Conformity Assessment Services- 3011E-NBK

Douglas C. Miller (Ext. 43262)
Engineering Group Leader
Conformity Assessment Services- 3011E-NBK



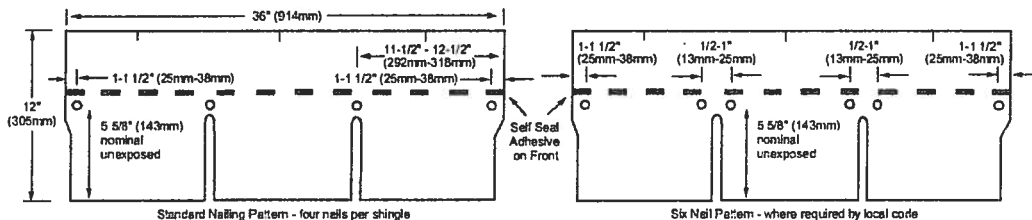
MARQUIS[®] WeatherMax[®] SHINGLES

ROYAL SOVEREIGN[®] SHINGLES

SENTINEL[®] SHINGLES

APPLICATION INSTRUCTIONS

Note: These shingles must be nailed a nominal 5 5/8" (143mm) from bottom of shingles, not in or above self seal, as shown. Nails should remain unexposed.



GENERAL INSTRUCTIONS

- **ROOF DECKS:** For use on new or reroofing work over well-seasoned, supported wood deck, tightly-constructed with maximum 6" (152mm) wide lumber, having adequate nail-holding capacity and smooth surface. Plywood decking as recommended by The Engineered Wood Assn. is acceptable. Plywood decks for Class A installations must be 3/8" (10mm) thick or greater with underlayments as noted below. Shingles must not be fastened directly to insulation or insulated deck unless authorized in writing by GAF Materials Corporation. Roof decks and existing surfacing material must be dry prior to application of shingles.
- **UNDERLAYMENT:** Underlayment is required on new construction and required for reroofing when old roof is removed from the deck. Use only "breather type" material like GAF Materials Corporation Shingle-Mate[®] Underlayment or equivalent. Underlayments must be installed flat, without wrinkles.
- **FASTENERS:** Use of nails is recommended. (Staple specifications and application instructions are available from GAF Materials Corporation, Contractor Services Dept., 1361 Alps Road, Wayne, NJ 07470.) Use only zinc coated steel or aluminum, 10-12 gauge, barbed, deformed or smooth shank roofing nails with heads 3/8" (10mm) to 7/16" (12mm) in diameter. Fasteners should be long enough to penetrate at least 3/4" (19mm) into wood decks or just through the plywood decks. Fasteners must be driven flush with the surface of the shingle. Over driving will damage the shingle. Raised fasteners will interfere with the sealing of the shingles. For normal installation, four fasteners must be installed per shingle, a nominal 5 5/8" (143mm) up from the bottom of the shingle. Fasteners must be installed approximately 1" 1 1/2" (25-38mm) and 11 1/2" 12 1/2" (292-318mm) from each side.
- **WIND RESISTANT:** These shingles have a special thermal sealant that firmly bonds the shingles together after application when exposed to sun and warm temperatures. Shingles installed in Fall or Winter may not seal until the following Spring. If shingles are damaged by winds before sealing or are not exposed to adequate surface temperatures, or if the self-sealant gets dirty, the shingles may never seal. Failure to seal under these circumstances results from the nature of self-sealing shingles and is not a manufacturing defect. To insure immediate sealing,

apply 2 quarter-sized dabs of shingle tab adhesive on the back of each tab, approximately 1" (25mm) from end and 1" (25mm) up from bottom of each tab corner. The shingle must be pressed firmly into the adhesive.

NOTE: Application of excess tab adhesive can cause blistering of the shingle.

For maximum wind resistance along rakes, cement shingles to underlayment and each other in a 4" (102mm) width of asphalt plastic roof cement.

NOTE: The film strips on the back of each shingle are to prevent sticking together of the shingles while in the bundle. Their removal is NOT required during application.

- **CANADIAN COLD WEATHER APPLICATIONS:** CSA A123.5-M90 mandates that shingles applied between September 1 and April 30 shall be adhered with a compatible field-applied adhesive. See Wind Resistant for GAF Materials Corporation's recommendations for the application of that adhesive.

- **MANSARD AND STEEP SLOPE APPLICATIONS:** For roof slopes greater than 21" (1750mm/m) per foot (do NOT use on vertical side walls), shingle sealing must be enhanced by hand sealing. After fastening the shingle in place, apply 2 quarter-sized dabs of shingle tab adhesive as indicated in Wind Resistant above. The shingle must be pressed firmly into the adhesive.

- **EXPOSURE:** 5" (127mm)

- **THROUGH VENTILATION:** All roof structures must be provided with through ventilation to prevent entrapment of moisture laden air behind roof sheathing. Ventilation provisions must at least meet or exceed current F.H.A., H.U.D. or local code minimum requirements.

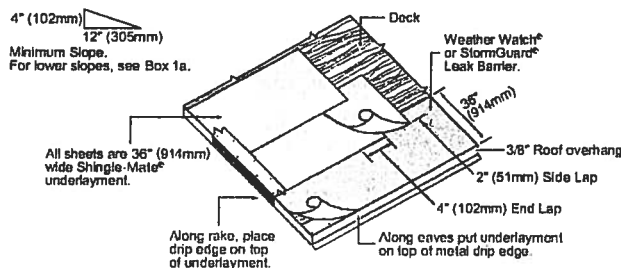
- **NON-CORRODING METAL DRIP EDGES:** Recommended along rake and eave edges on all decks, especially plywood decks.

- **ASPHALT PLASTIC CEMENT:** For use as shingle tab adhesive. Must conform to ASTM D4586 Type I or II.

1 Underlayment: Standard Slope 4/12 (333mm/m) or more

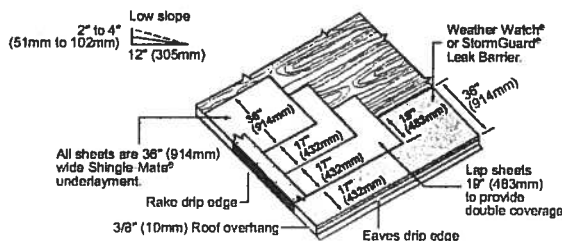
Application of underlayment: Cover deck with one layer of underlayment installed without wrinkles. Use only enough nails to hold underlayment in place until covered by shingles.

Application of eave flashing: Install eave flashing such as GAF Materials Corporation Weather Watch[®] or StormGuard[®] Leak Barrier in localities where leaks may be caused by water backing up behind ice or debris dams. Eave flashing must overhang the roof edge by 3/8" (10mm) and extend 24" (610mm) beyond the inside wall line.



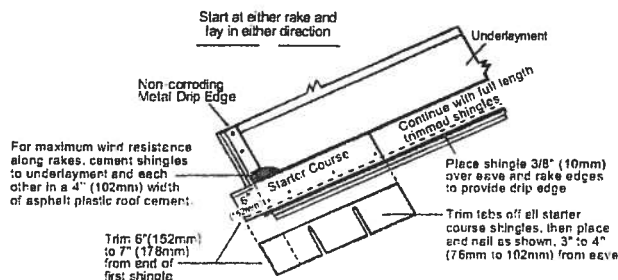
1a Underlayment: Low Slope 2/12-4/12 (167mm-333mm/m)

Application of underlayment and eave flashing: Completely cover the deck with two layers of underlayment as shown. Use only enough nails to hold underlayment in place until covered by shingles. Use blind nailing for eave flashings. At eaves and where ice dams can be expected, use one layer of GAF Materials Corporation Weather Watch[®] or StormGuard[®] Leak Barrier. Eave flashing must overhang the roof edge by 3/8" (10mm) and extend 24" (610mm) beyond the inside wall line. Where ice dams or debris dams are not expected, install 2 plies of Shingle-Mate[®] underlayment.



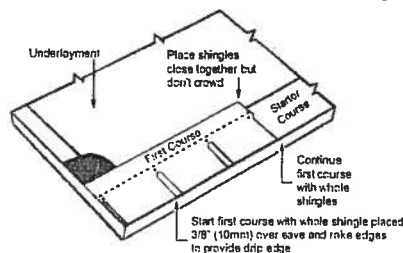
2 Starter Course

Use of any GAF MC 3-tab Shingle is recommended. Apply as shown.



3 First Course

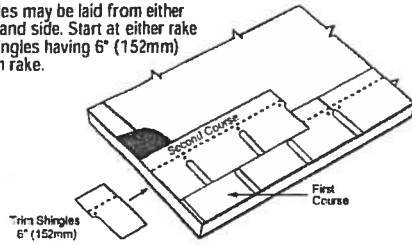
Start and continue with full shingles laid flush with the starter course. Shingles may be laid from left to right or right to left. DO NOT lay shingles straight up the roof since this procedure can cause an incorrect color blend on the roof and may damage the shingles.



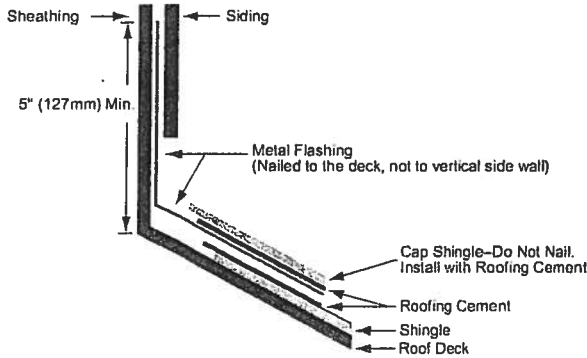
4 Second Course

Start and continue second course and all even numbered courses as shown. Position the shingle on the top of the cutouts of the underlying shingle so that there will be 5" (127mm) of each shingle exposed. Strike a chalk line about every 6 courses to check parallel alignment with eaves. Factory applied self-sealing dots on lower courses are designed to seal down the shingle tabs in an upper course.

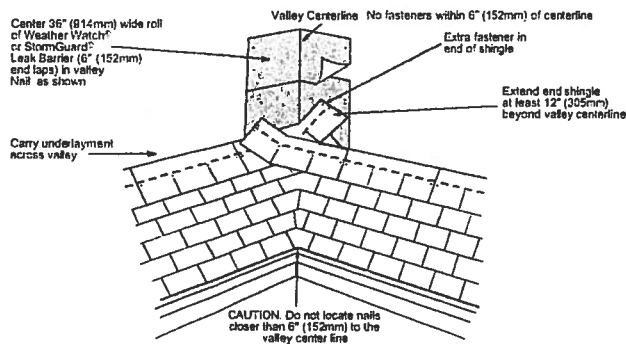
NOTE: Shingles may be laid from either left or right hand side. Start at either rake edge with shingles having 6" (152mm) trimmed from rake.



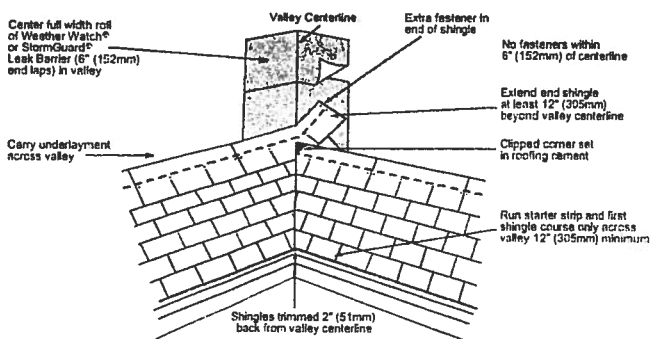
6 Wall Flashing (Sloped Roof to Vertical Wall)



8 Valley Construction - Closed or Woven Valley

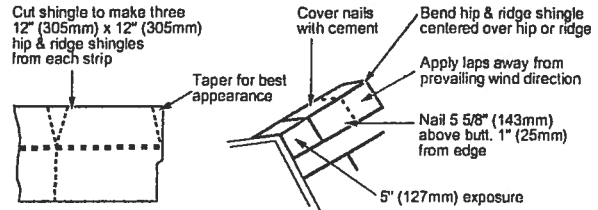


10 Valley Construction-Closed Cut

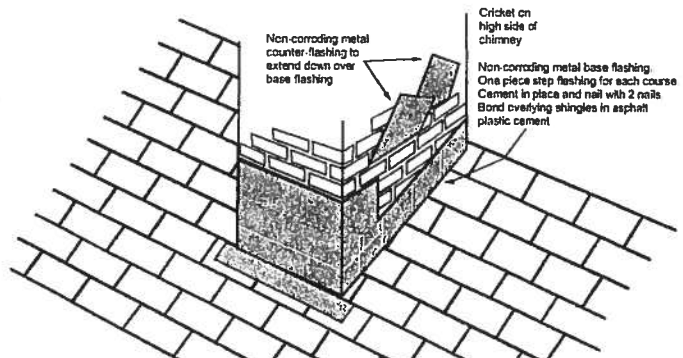


5 Hip and Ridge

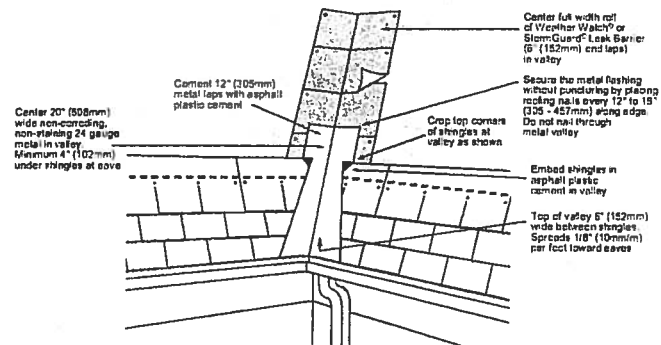
Use GAF hip & ridge shingles, or cut hip & ridge shingles from these full shingles, and apply as shown. Position laps away from prevailing wind direction.



7 Chimney Flashing



9 Valley Construction-Open Cut



Precautionary Notes

These shingles are fiberglass, self-sealing asphalt shingles. Because of the natural characteristics of the high quality waterproofing material used, these shingles will be stiff in cold weather and flexible in hot weather.

1. Bundles should not be dropped on edge nor should attempt be made to separate shingles by "breaking" over ridge or other bundles.
2. Handle carefully. Shingles can easily be broken in cold weather or their edges damaged in hot weather.
3. All exposed materials must be of Class A type.
4. Storage should be in a covered, ventilated area-maximum temperature 110°F (43°C.). Store on flat surface and use weight equalization boards if pallets are to be double stacked. Shingles must be protected from weather when stored at job site. Do not store near steam pipes, radiators, etc., or in sunlight. All rolled product must be stored on ends.
5. If shingles are to be applied during PROLONGED COLD periods or in areas where airborne dust or sand can be expected before sealing occurs, the shingles MUST be hand sealed. See Wind Resistant instructions.

Re-Roofing

If old asphalt shingles are to remain in place, nail down or cut away all loose, curled or lifted shingles; replace with new; and just before applying the new roofing, sweep the surface clean of all loose debris. Since any irregularities may show through the new shingles, be sure the underlying shingles provide a smooth surface. Fasteners must be of sufficient length to penetrate the wood deck at least 3/4" (19mm) or just through plywood. Follow other above instructions for application. Note: Shingles can be applied over wood shingles when precautions have been taken to provide an acceptable smooth surface. This includes cutting back old shingles at eaves and rakes and installing new wood edging strips as needed. Make surface smooth and use beveled wood strips if necessary. Install #30 underlayment to maintain Class A rating.

This product is sold with an express LIMITED WARRANTY only. A copy of the LIMITED WARRANTY stating its terms and restrictions is printed on the product wrapper or may be obtained from the distributor of this product or directly from GAF Materials Corporation. Any deviation from printed instructions shall be the responsibility of applicator and/or specifier.



TIMBERLINE[®] Ultra[®] SHINGLES

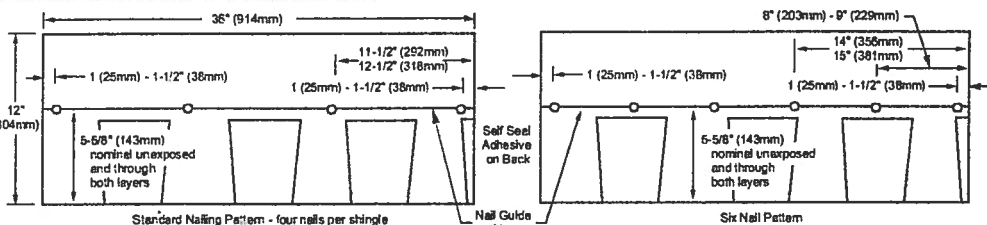
TIMBERLINE[®] SHINGLES

TIMBERLINE[®] 30 SHINGLES

APPLICATION INSTRUCTIONS

Timberline[®] Series shingles come in either 36" (914mm) or 36-15/16" (938mm) lengths, depending on shingle brand. Application instructions apply to both.

These shingles must be nailed a nominal 5-5/8" (143mm) from bottom of shingles, as shown, to allow for penetration through the double ply area just above the tabs. Nails should remain unexposed.



GENERAL INSTRUCTIONS

- **ROOF DECKS:** For use on new or reroofing work over well-seasoned, supported wood deck, tightly-constructed with maximum 6" (152mm) wide lumber, having adequate nail-holding capacity and smooth surface. Plywood decking as recommended by The Engineered Wood Assn. is acceptable. Plywood decks for Class A installations must be 3/8" (10mm) thick or greater with underlayment as noted below. Shingles must not be fastened directly to insulation or insulated deck unless authorized in writing by GAF Materials Corporation. Roof decks and existing surfacing material must be dry prior to application of shingles.
- **UNDERLAYMENT:** Underlayment beneath shingles has many benefits, including preventing wind driven rain from reaching the interior of the building and preventing sap in some wood decking from reacting with asphalt shingles. Underlayment is also required by many code bodies. Consult your local building department for its requirements. Where an underlayment is to be installed, a breather-type underlayment such as GAFMC's Shingle-Mate[®] underlayment is recommended. Underlayment must be installed flat, without wrinkles.
- **FASTENERS:** Use of nails is recommended. (Staple specifications and application instructions are available from GAF Materials Corporation, Contractor Services Dept., 1361 Alps Road, Wayne, NJ 07470.) Use only zinc coated steel or aluminum, 10-12 gauge, barbed, deformed or smooth shank roofing nails with heads 3/8" (10mm) to 7/16" (12mm) in diameter. Fasteners should be long enough to penetrate at least 3/4" (19mm) into wood decks or just through the plywood decks. Fasteners must be driven flush with the surface of the shingle. Over driving will damage the shingle. Raised fasteners will interfere with the sealing of the shingles. For normal installation, four fasteners must be installed per shingle, a nominal 5-5/8" (143mm) up from the bottom of the shingle, to penetrate both layers of the shingle. Fasteners must be installed approximately 1" - 1 1/2" (25-38mm) and 11-1/2" - 12-1/2" (292-318mm) from each side.
- **WIND RESISTANT:** These shingles have a special thermal sealant that firmly bonds the shingles together after application when exposed to sun and warm temperatures. Shingles installed in Fall or Winter may not seal until the following Spring. If shingles are damaged by winds

before sealing or are not exposed to adequate surface temperatures, or if the self-sealant gets dirty, the shingles may never seal. Failure to seal under these circumstances results from the nature of self-sealing shingles and is not a manufacturing defect. To insure immediate sealing, apply 4 quarter-sized dabs of shingle tab adhesive on the back of the shingle 1" (25mm) and 13" (330mm) in from each side and 1" (25mm) up from bottom of the shingle. The shingle must be pressed firmly into the adhesive.

NOTE: Application of excess tab adhesive can cause blistering of the shingle.

For maximum wind resistance along rakes, cement shingles to underlayment and each other in a 4" (102mm) width of asphalt plastic roof cement.

NOTE: The film strips on the back of each shingle are to prevent sticking together of the shingles while in the bundle. Their removal is NOT required during application.

- **CANADIAN COLD WEATHER APPLICATIONS:** CSA 123.5-M90 mandates that shingles applied between September 1 and April 30 shall be adhered with a compatible field-applied adhesive. See Wind Resistant for GAF Materials Corporation's recommendations for the application of that adhesive.

- **MANSARD AND STEEP SLOPE APPLICATIONS:** For roof slopes greater than 21° (1750mm/m) per foot (do NOT use on vertical side walls), shingle sealing must be enhanced by hand sealing. After fastening the shingle in place, apply 4 quarter-sized dabs of shingle tab adhesive as indicated in Wind Resistant above. The shingle must be pressed firmly into the adhesive.

- **EXPOSURE:** 5" (127mm)

- **THROUGH VENTILATION:** All roof structures must be provided with through ventilation to prevent entrapment of moisture laden air behind roof sheathing. Ventilation provisions must at least meet or exceed current F.H.A., H.U.D. or local code minimum requirements.

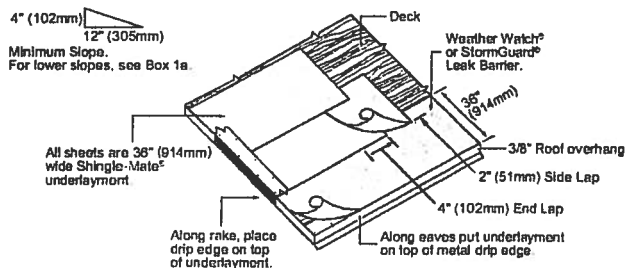
- **NON-CORRODING METAL DRIP EDGES:** Recommended along rake and eave edges on all decks, especially plywood decks.

- **ASPHALT PLASTIC CEMENT:** For use as shingle tab adhesive. Must conform to ASTM D4586 Type I or II.

1 Underlayment: Standard Slope 4/12 (333mm/m) or more

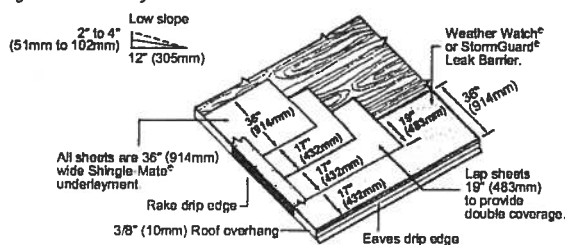
Application of underlayment: Cover deck with one layer of underlayment installed without wrinkles. Use only enough nails to hold underlayment in place until covered by shingles.

Application of eave flashing: Install eave flashing such as GAF Materials Corporation Weather Watch[®] or StormGuard[®] Leak Barrier in localities where leaks may be caused by water backing up behind ice or debris dams. Eave flashing must overhang the roof edge by 3/8" (10mm) and extend 24" (610mm) beyond the inside wall line.



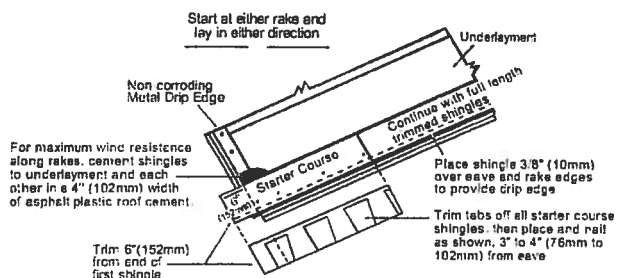
1a Underlayment: Low Slope 2 1/2-4/12 (167mm-333mm/m)

Application of underlayment and eave flashing: Completely cover the deck with two layers of underlayment as shown. Use only enough nails to hold underlayment in place until covered by shingles. Use blind nailing for eave flashings. At eaves and where ice dams can be expected, use one layer of GAF Materials Corporation Weather Watch[®] or StormGuard[®] Leak Barrier. Eave flashing must overhang the roof edge by 3/8" (10mm) and extend 24" (610mm) beyond the inside wall line. Where ice dams or debris dams are not expected, install 2 plies of Shingle-Mate[®] underlayment.



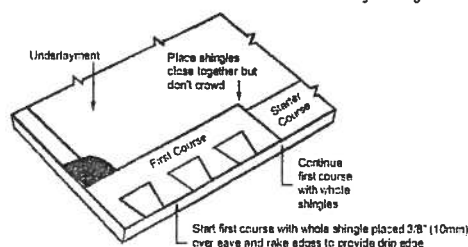
2 Starter Course

Apply as shown.



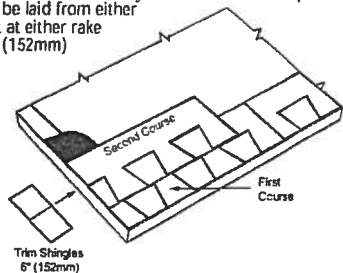
3 First Course

Start and continue with full shingles laid flush with the starter course. Shingles may be laid from left to right or right to left. DO NOT lay shingles straight up the roof since this procedure can cause an incorrect color blend on the roof and may damage the shingles.



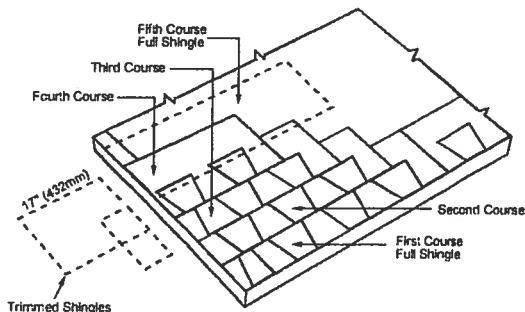
4 Second Course

Start and continue second course as shown. Trim 6" (152mm) from the end of the shingle. Position the shingles in the second and subsequent courses flush with the tops of the wide cutouts. This results in a 5" (127mm) exposure. Continue with full width shingles across the roof. Strike a chalk line about every 6 courses to check parallel alignment with eaves. NOTE: Shingles may be laid from either left or right hand side. Start at either rake edge with shingles having 6" (152mm) trimmed from rake.

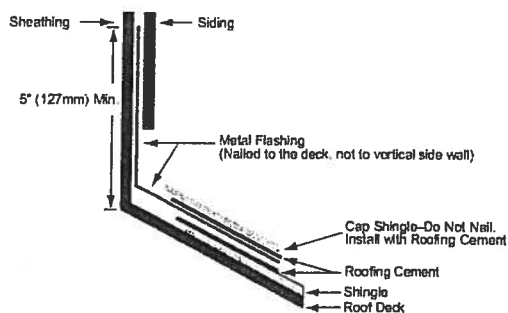


6 Fourth Course and Remaining Courses

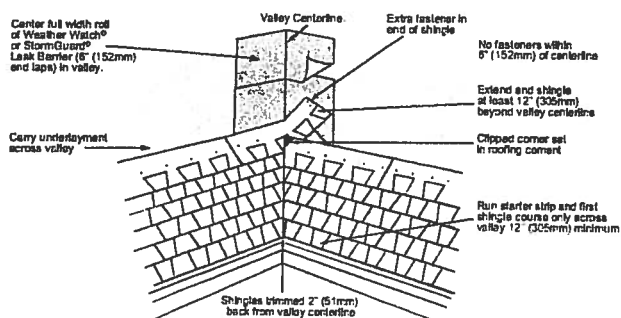
Trim 17" (432mm) from first shingle in the course, then continue with full shingles across the roof. Fifth and subsequent courses repeat full shingle instructions from Step 3.



8 Wall Flashing (Sloped Roof to Vertical Wall)



10 Valley Construction-Closed Cut



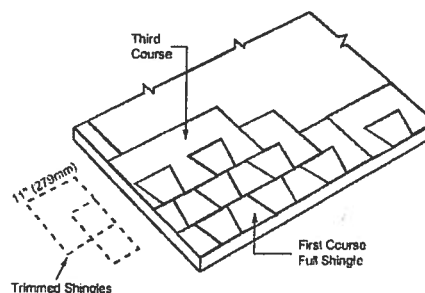
Precautionary Notes

Timberline® Series shingles are fiberglass, self-sealing asphalt shingles. Because of the natural characteristics of the high quality waterproofing material used, these shingles will be stiff in cold weather and flexible in hot weather.

1. Bundles should not be dropped on edge nor should attempt be made to separate shingles by "breaking" over ridge or other bundles.
2. Handle carefully. Shingles can easily be broken in cold weather or their edges damaged in hot weather.
3. All exposed materials must be of Class A type.
4. Storage should be in a covered, ventilated area—maximum temperature 110°F (43°C.) Store on flat surface and use weight equalization boards if pallets are to be double stacked. Shingles must be protected from weather when stored at job site. Do not store near steam pipes, radiators, etc., or in sunlight. All rolled product must be stored on ends.
5. If shingles are to be applied during PROLONGED COLD periods or in areas where airborne dust or sand can be expected before sealing occurs, the shingles MUST be hand sealed. See Wind Resistant instructions.

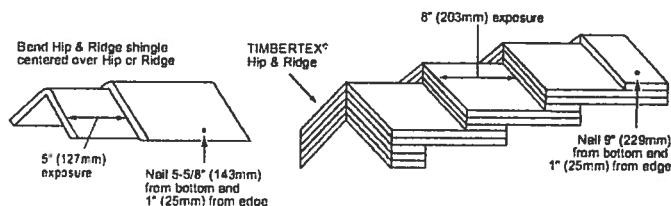
5 Third Course

Trim 11" (279mm) from the first shingle in the course then continue with full shingles across the roof.

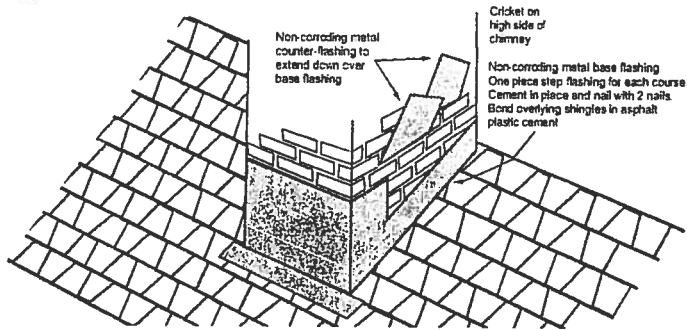


7 Hip and Ridge

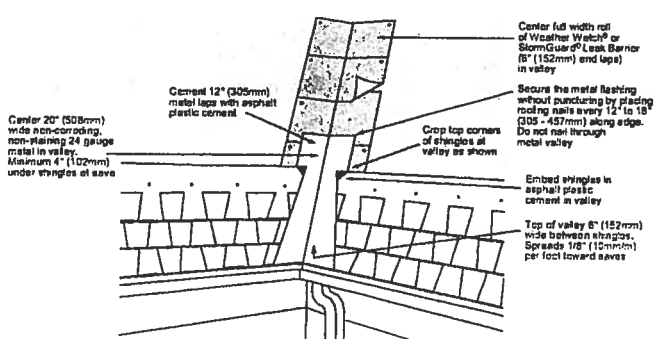
For single layer application, use hip and ridge shingles and apply as shown. To enhance appearance, use GAF TIMBERTEX® or a double layer application of Universal Hip & Ridge. (One bundle of TIMBERTEX® Hip & Ridge covers 20 lineal ft.—6.1 meters.) For double application, start with triple thickness of precut Hip & Ridge shingles and continue remainder with double thickness. Fasten in same manner as single application shown. Apply laps away from prevailing wind direction.



9 Chimney Flashing



11 Valley Construction-Open



Re-Roofing

If old asphalt shingles are to remain in place, nail down or cut away all loose, curled or lifted shingles; replace with new; and just before applying the new roofing, sweep the surface clean of all loose debris. Since any irregularities may show through the new shingles, be sure the underlying shingles provide a smooth surface. Fasteners must be of sufficient length to penetrate the wood deck at least 3/4" (19mm) or just through plywood. Follow other above instructions for application.

Note: Shingles can be applied over wood shingles when precautions have been taken to provide an acceptable smooth surface. This includes cutting back old shingles at eaves and rakes and installing new wood edging strips as needed. Make surface smooth and use beveled wood strips if necessary. Install #30 underlayment to maintain Class A rating.

This product is sold with an express LIMITED WARRANTY only. A copy of the LIMITED WARRANTY stating its terms and restrictions is printed on the product wrapper or may be obtained from the distributor of this product or directly from GAF Materials Corporation. Any deviation from printed instructions shall be the responsibility of applicator and/or specifier.



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-6319

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
911 E. Jefferson, P.O. Box 76
Pittsburgh, KS 66762

Your application for Notice of Acceptance (NOA) of:
Entergy 6-8 S/E Inswing Opaque Double w/sidelites Residential Insulated Steel Door
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0314.23
EXPIRES: 04/02/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 06/05/2001

Premdor Entry Systems

ACCEPTANCE No: 01-0314.23

APPROVED : JUN 05 2001

EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This renews the Notice of Acceptance No. 00-0321.25 which was issued on April 28, 2000. It approves a residential insulated door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The Series Entergy 6-8 S/E Inswing Opaque Double Residential Insulated Steel Doors with Sidelites-Impact Resistant Door Slab Only and its components shall be constructed in strict compliance with the following documents: Drawing No 31-1029-EM-I, Sheets 1 through 6 of 6, titled "Premdor (Entergy Brand) Double Door with Sidelites in Wood Frames with Bumper Threshold (Inswing)," prepared by manufacturer, dated 7/29/97 with revision C dated 01/11/00, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.
- 3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

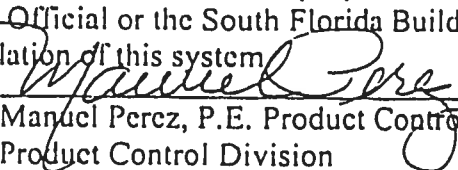
- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters):
- 4.2.1 Door: the installation of this unit will not require a hurricane protection system.
- 4.2.2 Sidelite: the installation of this unit will require a hurricane protection system.

5. LABELING

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Premdor Entry Systems

ACCEPTANCE No. 01-0314.23

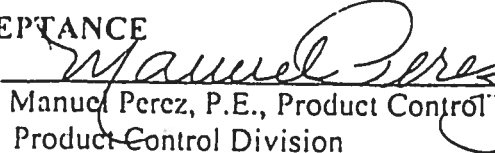
APPROVED : JUN 05-2001

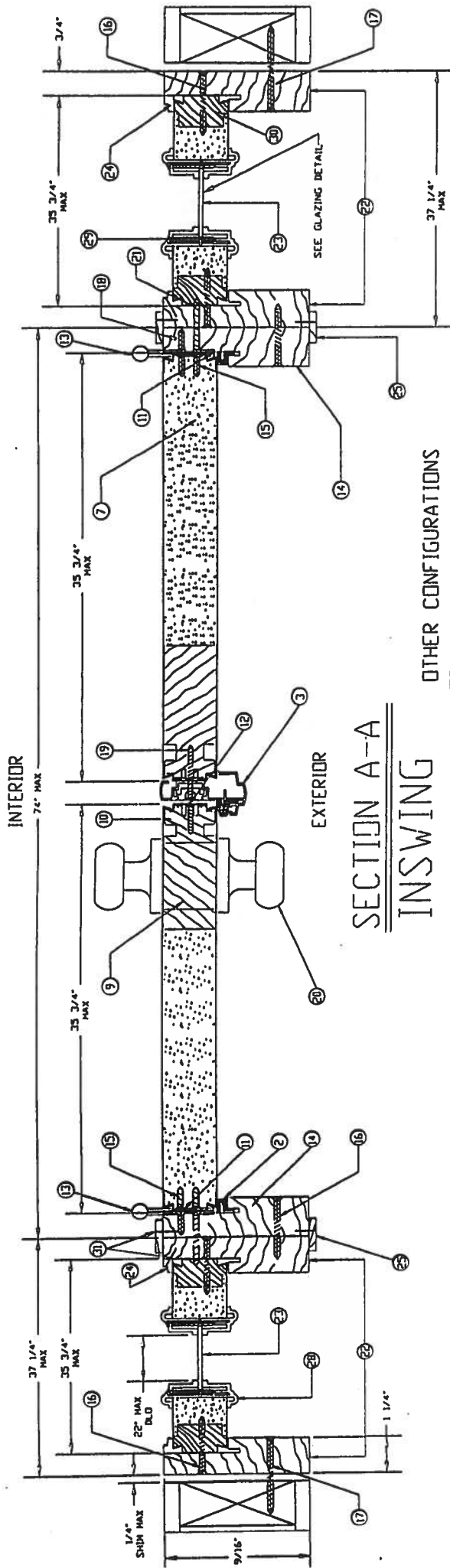
EXPIRES : April 02, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

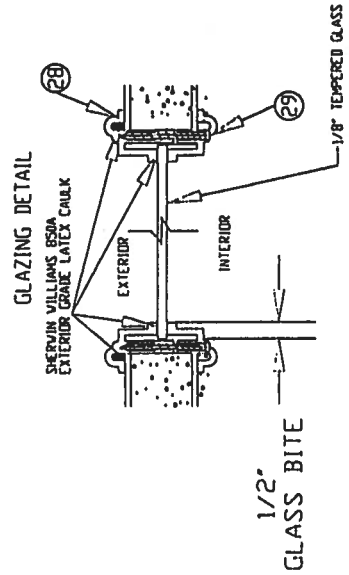
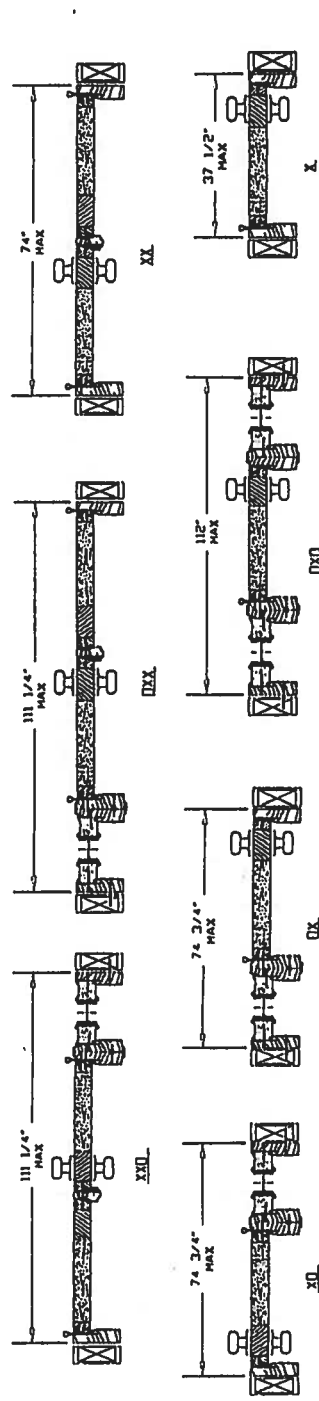
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE


Manuel Perez, P.E., Product Control Examiner
Product Control Division



OTHER CONFIGURATIONS



APPROVED AS COMPLYING WITH THE
SCOTTISH BUILDING CODE
DATE JUN 3 2003
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314-23

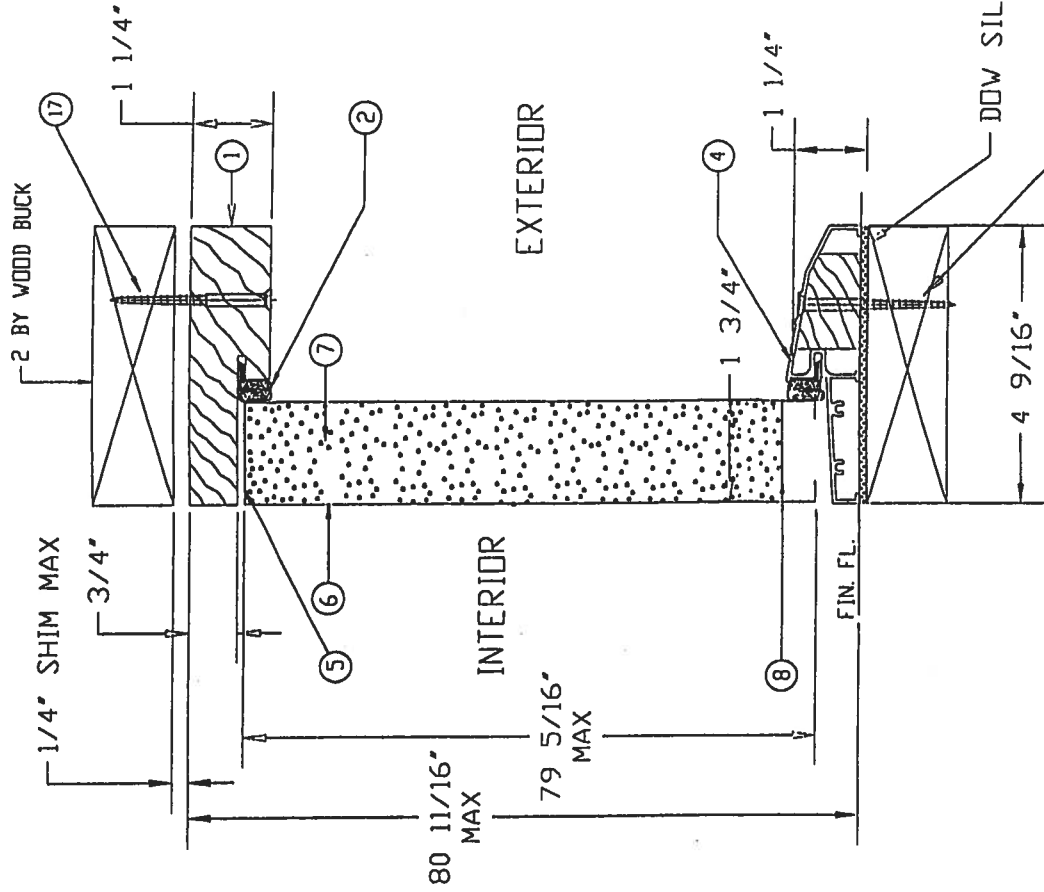
C DATE COUNTY MODIFICATIONS		JO
B	ADDED PAGE 5 (DOOR OPTIONS)	RS
A	ADD SCREWS TO LITE FRAMES &	RS
A	ADD OTHER DOOR CONFIGURATIONS	RS
REVISIONS	DATE	BY
1	10/10/02	RS
2	10/10/02	RS
3	10/10/02	RS
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31-1029-EM-1

SHEET 2 OF 6

REVISION LETTER C

ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
1	WOOD HEAD JAMB	EM-14	1 1/4" X 4 9/16" HTL TO BE PINE OR EQUIVALENT
2	COMPRESSION WEATHERSTRIP	EM-25	LOCKSCREEN BRAND LUXSEAL 9650- 9650 (9650-9650)
3	ALUMINUM ASTRAGAL	EM-12	PREMIOR BRAND OR EQUIVALENT - 5/8" ALUMINUM ASTRAGA
4	ALUMINUM-BUMPER THRESHOLD	EM-15	PREMIOR BRAND OR EQUIVALENT - 1 1/4" X 4 9/16"
5	TOP CHANNEL	EM-08	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
6	STEEL SKIN	26 ga. 407 .004 -000	SEE DRAWING FOR DIMENSIONS AND FINISH
7	POLYURETHANE FOAM CORE	BASF FOAM	DENSITY 2.0 TO 2.5 lbs./ft. ³
8	BOTTOM CHANNEL	EM-07	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
9	WOOD LOCK BLOCK	EM-09	4" X 9 1/2" HTL TO BE PINE OR EQUIVALENT
10	STRIKE STILE	EM-06	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
11	HINGE STILE	EM-05	PREMIOR BRAND - 1 1/16" - 20 GA STEEL
12	LOCK PREP FILLER PLATE	EM-10	PREMIOR BRAND - .050" THICK- HTL TO BE POLYETHYLEN
13	4"x4" HINGE	EM-16	HAGER BRAND HINGE OR EQUIVALENT - .097 THICK (STEEL
14	WOOD HINGE JAMB	EM-13	1 1/4" X 4 9/16" HTL TO BE PINE OR EQUIVALENT
15	#10-24 x 1/2" F.H.W.S.		(4) SCREWS PER HINGE INTO DOOR
16	#10 X 2" F.H.W.S.		(5) SCREWS THROUGH HINGE JAMB INTO SIDELITE JAMB, 8" DOWN FROM TOP MAX 10" O.C. THEREAFTER (6) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP MAX 8" O.C. THEREAFTER (7) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX 15" O.C. THEREAFTER
17	100 F.H.W.S. VARIOUS 1 1/2" CHESTNUT OR 3/8" PIN JACKS VARIOUS 1 1/2" CHESTNUT		REFER TO ELEVATION VIEW, FOR # OF SCREWS USED AND LOCATIONS
18	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
19	#8 X 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
20	LOCKSET		KVIKSET BRAND 200 LOCK OR HARTLOE BRAND 100 LOCK
21	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
22	WOOD SIDELITE JAMB	EM-18	1 1/4" X 4 9/16" HTL TO BE PINE OR EQUIVALENT
23	22" X 64" SINGLE PANEL GLASS	EM-19	TEMPERED GLASS IN POLYPROPYLENE FRAME - DC-1643 - COIL - 1/8" CLEAR TINTED GLASS
24	SIDELITE TRIM (WOOD)	EM-20	5/16" X 1/2" HTL TO BE PINE OR EQUIVALENT
25	WOOD CASING	EM-21	1/8" X 1" HTL TO BE PINE OR EQUIVALENT - ITEMS ARE HOLDINGS USE FOR "SIDE BY SIDE JAMBS"
26	WOOD SIDELITE HEAD JAMB	EM-22	1 1/4" X 4 9/16" HTL TO BE PINE OR EQUIVALENT
27	WOOD SIDELITE BASE	EM-23	1 1/4" X 4 9/16" HTL TO BE PINE OR EQUIVALENT
28	POLYPROPYLENE LITE FRAME	DC-1643, 00K-2	HP Polypropylene or COIL
29	#6 X 1 1/2" PAN HEAD SCREWS		SCREWS SPACING TO BE 2" IN FROM EACH CORNER AND NE
30	SIDELITE STILES		18 PER FRAME TO EXCEED 14" OF FRAME AFTER
31	PIN NAIL		15/16" X 1 1/16" HTL TO BE PINE OR EQUIVALENT

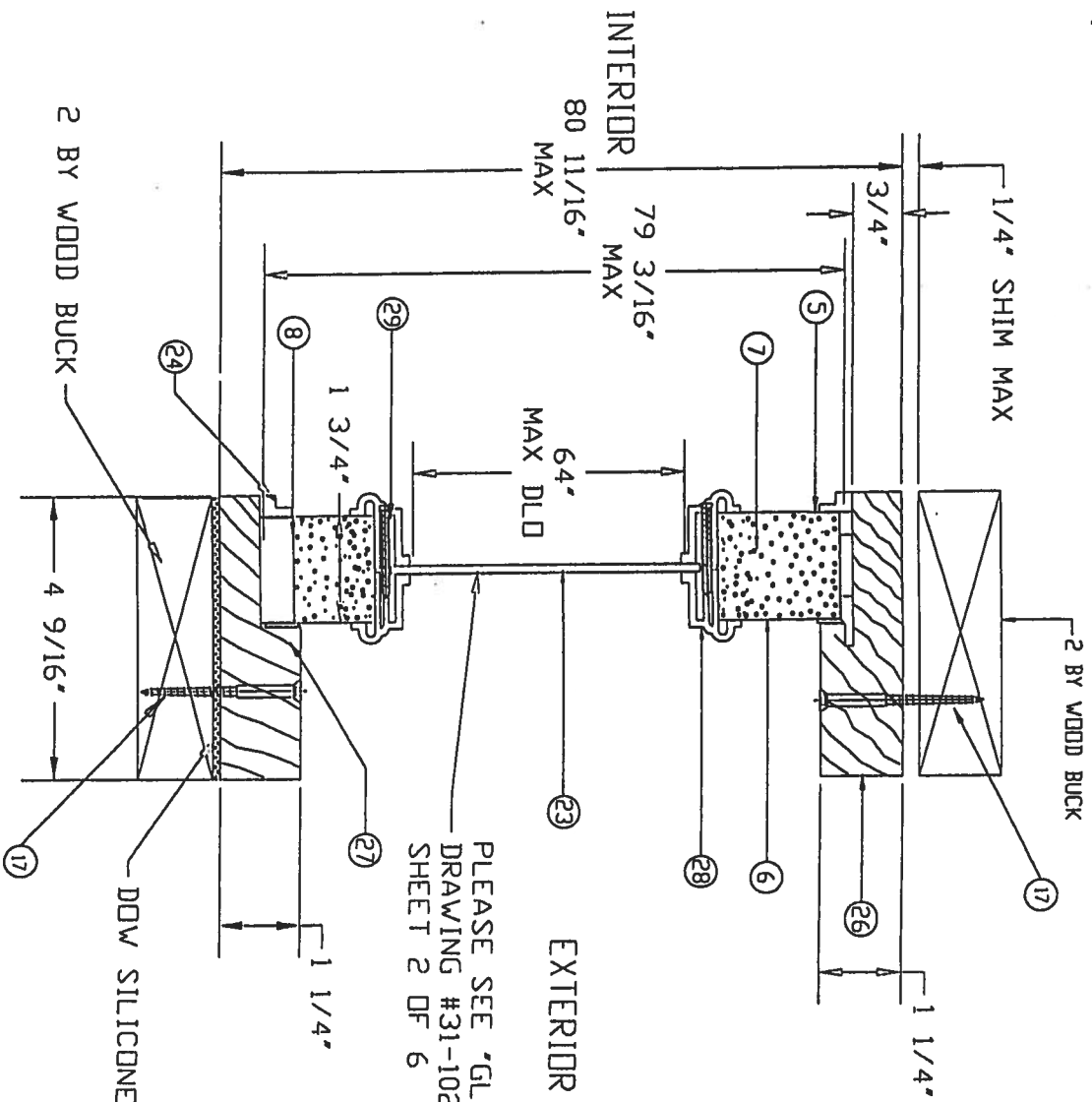


DOW SILICONE #995

SECTION B-B

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 5 1984
BY W. J. J. J. J.
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314.23

L.M.H.S. - UNLESS NOTED, TRAC. : IFC : ANG :		B	DATE COUNTY MODIFICATIONS	1/11/01	JD
EXTRUSIONS UNLESS NOTED, STD. COMPL. TO S.		A	ADDED PAGE 5 (DOOR OPTIONS)	10-1-98	RS
ENGINEER:		L.R.	REVISIONS	DATE	BY
		PART NAME: ENERGY STEEL JOIST (CR-82)			
		PART:		SCALE:	
PREMDOR ENTRY SYSTEMS		DATE 7-29-97			
31-1029-EM-I					
911 E. JEFFERSON					
PITTSBURG, KS. 66762					
SHEET 3 OF 6					
A					
REVISION LETTER B					



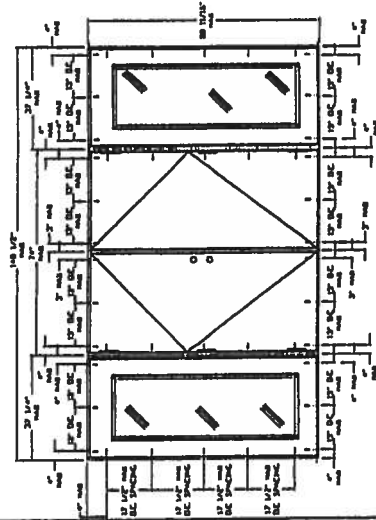
PLEASE SEE 'GLAZING DETAIL'
DRAWING #31-1029-EM-I
SHEET 2 OF 6

SECTION C-C

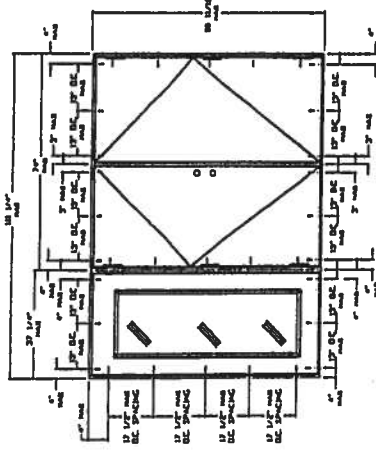
APPROVED AS COMPLYING WITH THE
FLORIDA BUILDING CODE
DATE JUN 05 2005
BY M. J. JEFFERSON
FACULTY CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0314-23

DATE: 7-29-97	DATE: 7-29-97	DATE: 7-29-97	DATE: 7-29-97
REVISION: 1	REVISION: 2	REVISION: 3	REVISION: 4
REVISION: 5	REVISION: 6	REVISION: 7	REVISION: 8
REVISION: 9	REVISION: 10	REVISION: 11	REVISION: 12
REVISION: 13	REVISION: 14	REVISION: 15	REVISION: 16
REVISION: 17	REVISION: 18	REVISION: 19	REVISION: 20
REVISION: 21	REVISION: 22	REVISION: 23	REVISION: 24
REVISION: 25	REVISION: 26	REVISION: 27	REVISION: 28
REVISION: 29	REVISION: 30	REVISION: 31	REVISION: 32
REVISION: 33	REVISION: 34	REVISION: 35	REVISION: 36
REVISION: 37	REVISION: 38	REVISION: 39	REVISION: 40
REVISION: 41	REVISION: 42	REVISION: 43	REVISION: 44
REVISION: 45	REVISION: 46	REVISION: 47	REVISION: 48
REVISION: 49	REVISION: 50	REVISION: 51	REVISION: 52
REVISION: 53	REVISION: 54	REVISION: 55	REVISION: 56
REVISION: 57	REVISION: 58	REVISION: 59	REVISION: 60
REVISION: 61	REVISION: 62	REVISION: 63	REVISION: 64
REVISION: 65	REVISION: 66	REVISION: 67	REVISION: 68
REVISION: 69	REVISION: 70	REVISION: 71	REVISION: 72
REVISION: 73	REVISION: 74	REVISION: 75	REVISION: 76
REVISION: 77	REVISION: 78	REVISION: 79	REVISION: 80
REVISION: 81	REVISION: 82	REVISION: 83	REVISION: 84
REVISION: 85	REVISION: 86	REVISION: 87	REVISION: 88
REVISION: 89	REVISION: 90	REVISION: 91	REVISION: 92
REVISION: 93	REVISION: 94	REVISION: 95	REVISION: 96
REVISION: 97	REVISION: 98	REVISION: 99	REVISION: 100

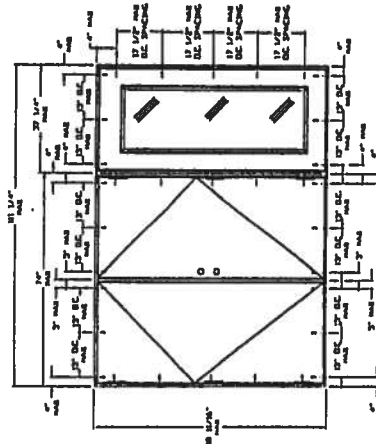
OTHER DOOR CONFIGURATIONS



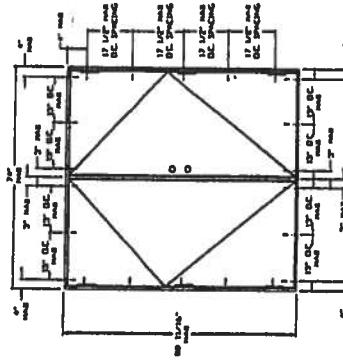
OXXO



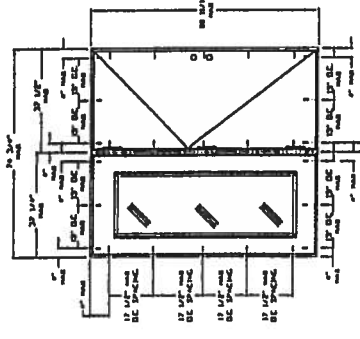
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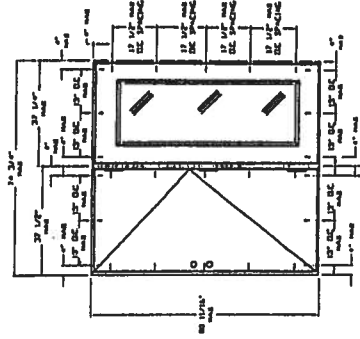
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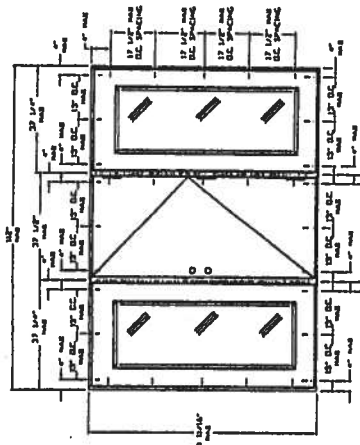
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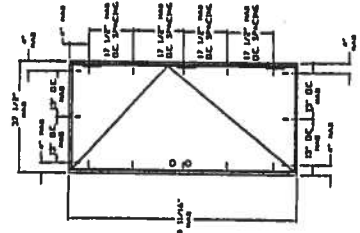
OX



OXD



OXD



X

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 05 2009
BY *Signature*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-03-14-23

LIMITS: UNLESS NOTED, FPM		R/C		ANG	
EXTENSIONS: UNLESS NOTED, STD. COMPL. NO. 5					
ENGINEER:		LTR		REVISED	
DATE: 1-11-01		PART NAME:		DATE: BY	
PREMIOR ENTRY SYSTEMS		SCALE:		31-1029-EM-I	
PHILIPPO, KS 65102		SHEET 5 OF 6		REVISION LETTER	

OTHER DOOR PANEL STYLES

36" MAX

79 5/16" MAX

BLANK TOP
4-PANEL

6-PANEL

4-PANEL

9-PANEL

10-PANEL

18-PANEL

FLUSH

8-PANEL

CROSSBUCK

12-PANEL

4-PANEL
EYEBROW

5-PANEL
V/SCROLL

5-PANEL
EYEBROW
V/SCROLL

5-PANEL

5-PANEL

5-PANEL
EYEBROW

OTHER SIDELITE STYLES

36" MAX

79 3/16" MAX

SL-10

SL-20

SL-30

SL-60

SL-50

SL-50B

SL-69A

SL-69C

SL-25

SL-55

SL-300

SL-40

SL-90A

SL-90B

SL-90C

SL-30B

SL-30C

SL-70

SL-80

PD-1

PD-2

PD-3

PD-4

PD-5

PD-6

PD-7

PD-8

PD-9

PD-10

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PD-42

PD-43

PD-43A

PD-43B

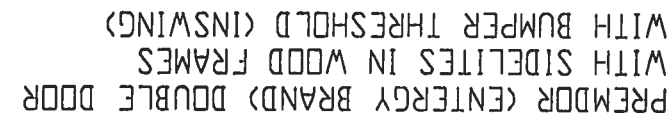
UNITS: UNLESS NOTED, FAB. : DEC. : ANG. :
 CHANGING UNLESS NOTED, SEE OPT. 10.5
 ENGINEER: _____
 DR. BY: J.L. LANKFISH/5/70
 SCALE: _____
 PREMIER ENTRY SYSTEMS
 511 E. JEFFERSON
 PHOENIX, AZ 85002
 31-1029-EM-1
 SHEET 6 OF 6
 REVISION LETTER

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUN 05 2001
 BY: [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0314.1.3

DESIGN PRESSURE RATINGS	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	NOT APPROVED *
Negative	NOT APPROVED *	NOT APPROVED *

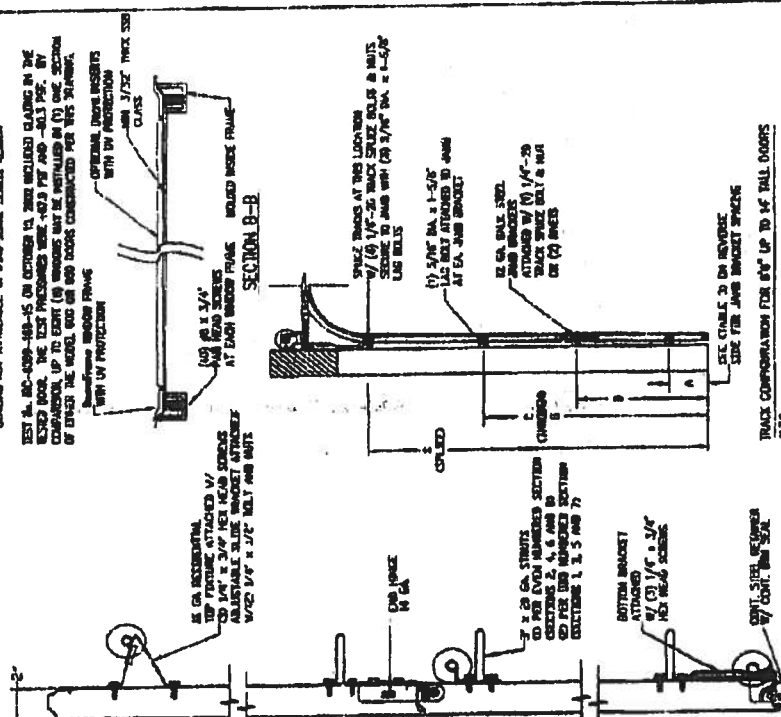
* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE COG OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 JUN 05 2001
 DATE BY *Michael J. [Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0314, 23



WILLIAM H. HARRIS

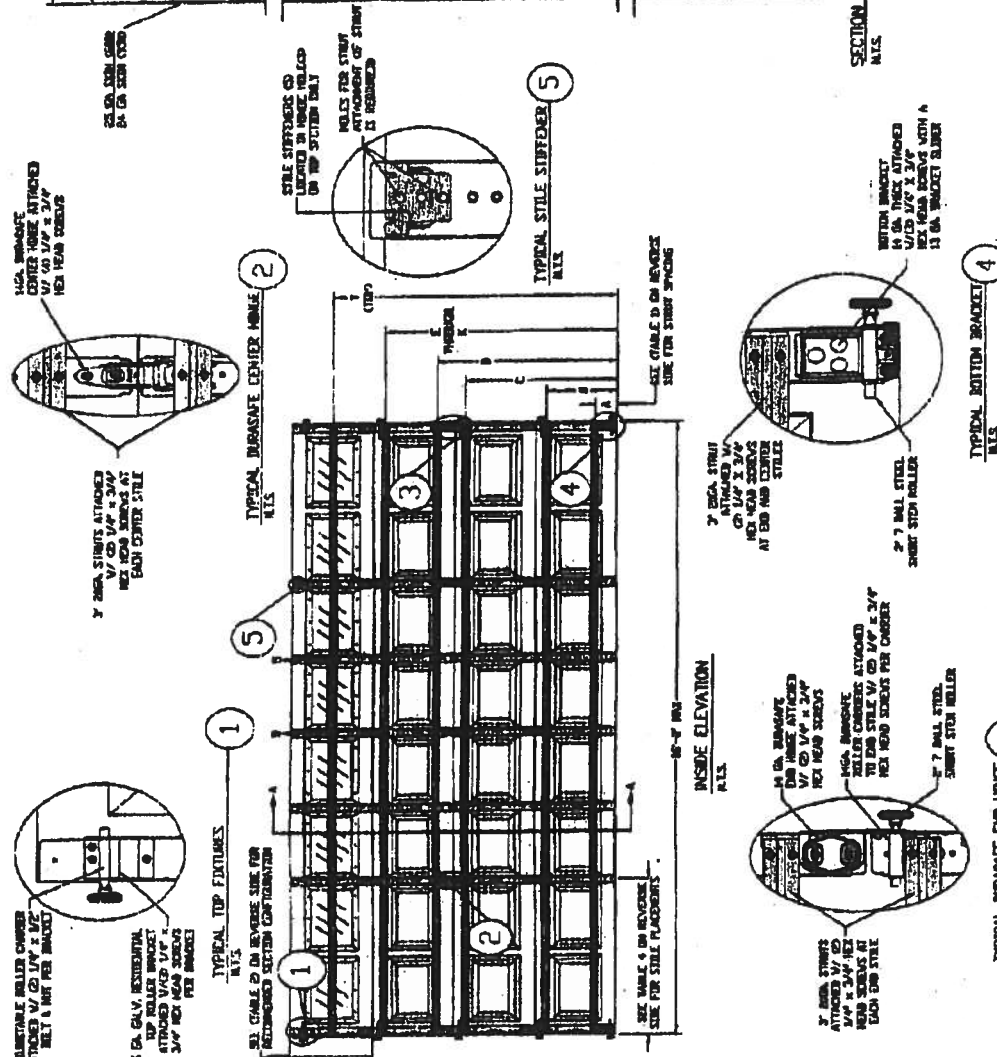
TEST #. 82-4399-448-15 ON OCTOBER 15, 2000 INSTALLED CLADDING ON THE EXTERIOR DOOR. THE TEST PARAMETERS WERE +0.9 PSF AND -0.3 PSF. ON ACCOMPANIMENT, UP TO EIGHT (8) BRICKS MAY BE INSTALLED ON (1) ONE SECTION OF 12X18 THE MODEL, ONE OR TWO DOORS CONSTRUCTED FOR THIS JOINTING.



SECTION A-A (SIDE VIEW)

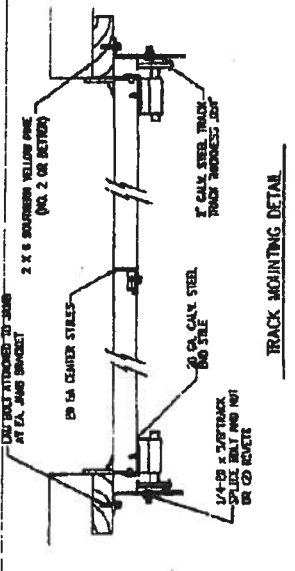


CONCLUSIONS AND NOTES

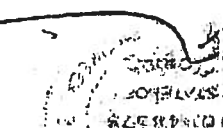
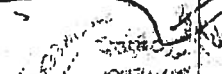
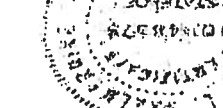

[illegible]

WOOD JOINT ATTACHMENT TO STRUCTURE

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.



TRACK MOUNTING DETAIL

| | | | |
|---|--|---|------|
| REG | DESCRIPTION OF CHARGES | DATE | PAID |
| | MAX SIZE
10" x 14" | | |
| | DESIGN LOADS
+18.3 PSF
-20.8 PSF | | |
| | FRESH LOADS
+27.5 PSF
-20.3 PSF | | |
|  | |  | |
| | |  | |
| <p align="center">  </p> | | | |
| <p align="center"> 565 COLUMBIA STREET SUITE 100 - FALLS, NC. 27745
 PHONE 404-334-0100 FAX 404-334-0101
 WWW.ANBARICONSULTING.COM </p> | | | |
| <p> MODEL 4000 STRUTTED w/BarSale
 MODEL 4000 STRUTTED w/BarSale
 Start Panel, base Panel, and Finish Panel </p> | | <p> DRAWING NUMBER
 82-006-110-15 </p> | |
| SEE | DETAIL IN | DATE | DATE |
| B | DESIGNED BY | DATE | DATE |
| <p> CHECKED BY: [Signature] DATE: 10/15/00
 DESIGNED BY: [Signature] DATE: 10/15/00 </p> | | | |

BK 0826 PG0313

WARRANTY DEED

OFFICIAL RECORDS

THIS INDENTURE, made this 21st day of March, 1996, between **DEANNA DARLENE BURNETT**, a single person, party of the first part, Grantor, and **OKEY RAY BURNETT**, (Social Security No. 26-5-74-96-41), whose post-office address is 1714 E. 24th, Lake City, Florida 32055, party of the second part, Grantee,

WITNESSETH:

That said grantor, for and in consideration of the sum of **TEN AND NO/100 (\$10.00)** Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs, successors and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

SEE EXHIBIT "A" ATTACHED HERETOTax Parcel No.: SEE EXHIBIT "A"

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

Prepared by Martin M. Feagle

Lat. Sec. 24-5-74-96-41
(as to front only)

96-11162

DOCUMENTARY STAMP
INTANGIBLE TAX
P. DONITT CASON, CLERK OF
COURTS, COLUMBIA COUNTY
BY MPH 70

FILED AND RECORDED IN
RECORDS OF COLUMBIA COUNTY
1996 AUG -6 PM 3:00
CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA
BY MPH

BK 0826 PG 031A

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

OFFICIAL RECORDS

Signed, sealed and delivered
in the presence of:

Robin Smithley
Witness

Robin Smithley
(Print or type name)

Dorcas T. Simmons
Witness

DORCAS T. SIMMONS
(Print or type name)

Deanna Darlene Burnett (SEAL)
DEANNA DARLENE BURNETT

STATE OF FLORIDA
COUNTY OF Columbia

I HEREBY CERTIFY that on this day before me, an officer duly qualified to take
acknowledgements, personally appeared DEANNA DARLENE BURNETT, who is
personally known to me or who has produced N/P
as identification.

WITNESS my hand and official seal in the County and State last aforesaid this
21 day of March, 1996.

(NOTARIAL SEAL)

Dorcas T. Simmons
NOTARY PUBLIC
MY COMMISSION EXPIRES:

DORCAS T. SIMMONS
Notary Public, State of Florida
My Comm. expires Feb. 18, 2000
Comm. No. CC533823

BK 0826 PG 0315

EXHIBIT "A" TO WARRANTY DEED
DATED MARCH 21, 1996 BETWEEN
DEANNA DARLENE BURNETT AND
OKEY RAY BURNETT

OFFICIAL RECORDS

TOWNSHIP 4 SOUTH, RANGE 17 EAST

Section 7: The NW 1/4 of said Section 7 lying Southwesterly of the maintained right-of-way line of Burnett Road.

LESS AND EXCEPT: PARCEL #07-4S-17-0110-000

- A. Begin at the Southwest corner of Section 6, Township 4 South, Range 17 East, Columbia County, Florida, and run N 00°29'55" W, along the West line of said Section 6 a distance of 1414.39 feet to a point on the Southwesterly maintained right-of-way line of Burnett Road (a county maintained road); thence S 49°34'43" E along said Southwesterly maintained right-of-way line 1980.00 feet to a point on the North line of Section 7, Township 4 South, Range 17 East; thence continue S 49°34'43" E still along said Southwesterly maintained right-of-way line of Burnett Road 722.65 feet; thence S 23°07'50" W 463.88 feet; thence N 89°46'53" W 1854.23 feet to a point on the West line of said Section 7; thence N 00°39'46" W along said West line, being also the East line of "CANNON CREEK ESTATES", a subdivision as recorded in Plat Book 5, pages 60-60A, of the public records of Columbia County, Florida, a distance of 757.65 feet to the **POINT OF BEGINNING. LESS AND EXCEPT ROAD RIGHT-OF-WAY.**

ALSO LESS AND EXCEPT:

- B. Commence at the NW corner of Section 7, Township 4 South, Range 17 East, Columbia County, Florida, and run S 00°39'46" E, along the West line of said section 7 a distance of 757.65 feet to the **POINT OF BEGINNING**; thence S 89°46'53" E, 1542.34 feet; thence S 00°39'46" E, parallel to the West line of Section 7 a distance of 1129.85 feet; thence N 89°46'53" W, 1542.34 feet to a point on the West line of Section 7, being also the East line of "CANNON CREEK ESTATES", a subdivision as recorded in Plat Book 5, Pages 60-60A, of the public records of Columbia County, Florida; thence N 00°39'46" W, along said line 1129.85 feet to the **POINT OF BEGINNING.**
- C. A part of the NE 1/4 of the NW 1/4 of Section 7, Township 4 South, Range 17 East, more particularly described as follows: Commence at the Southeast corner of the said NE 1/4 of NW 1/4 and run N 89°00'00" W 169.79 feet; thence N 2°26'31" E, 98.43 feet for a **POINT OF BEGINNING**; said point in on the West

right-of-way of Dianna Road; thence continue N 2°26'31" E along said Dianna Road, 106.6 feet; thence N 65°54'14" W 168.81 feet; thence S 2°26'31" W 179.48 feet; thence S 76°15'32" E 53.76 feet to a point of curve of a curve to the left having a radius of 200.0 feet, an included angle of 11°17'57"; thence Easterly along the arc of said curve for an arc distance of 39.44 feet; thence S 87°33'29" E 40 feet to a point of curve of a curve to the left having a radius of 25 feet, an included angle of 90°00'00"; thence Easterly and Northerly along the arc of said curve for an arc distance of 39.27 feet to the **POINT OF BEGINNING**.

- D. Lot 20 of **HOLLY HILL**, a proposed subdivision in Section 7, Township 4 South, Range 17 East, more particularly described as follows: Commence at the Southeast corner of the NE 1/4 of NW 1/4 of said Section 7 and run N 89°00'00" W a distance of 172.67 feet; thence S 6°16'57" W, 13.20 feet to a point on the West line of Deanna Road (60 foot right-of-way previously dedicated O.R. Book 767, Page 802) for a **POINT OF BEGINNING**; thence continue S 6°16'57" W along said Deanna Road, 120.01 feet; thence N 76°15'32" W, 173.50 feet; thence N 9°30'03" E, 128.47 feet thence S 76°15'32" E, 51.18 feet to a point of curve of a curve to the left having a radius of 260.0 feet and a central angle of 11°11'57"; thence Easterly along the arc of said curve for an arc distance of 51.27 feet; thence S 87°33'29" E, 35.30 feet to the Point of Curve of a curve having a radius of 25.0 feet and an included angle of 93°50'26"; thence Southeasterly along the arc of said curve for an arc distance of 40.95 feet to the **POINT OF BEGINNING**.

ALSO:

All of Grantor's undivided interest in the following property:

Section 7: NE 1/4 of NW 1/4 of SW 1/4; and NE 1/4 of SW 1/4.

LESS AND EXCEPT:

Lots 1 through 22, Block A, and Lots 1 through 6, Block B, and Lots 1 through 10, Block C, and Lot 1, Block D, **HOLLY BROOKS SUBDIVISION** as recorded in Plat Book 6, Page 109, public records, Columbia County, Florida.

PARCEL #07-4S-17-0816-002

EX 0826 PG 0316

OFFICIAL RECORDS

PREPARED BY AND RETURN TO:

Inst:2005026438 Date:10/24/2005 Time:12:42

Doc Stamp-Deed: 168.00

MK DC, P. Dewitt Cason, Columbia County B:1052 P:2158

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

Property Appraiser's
Identification Number **708110006**

TM File No: 05-848

WARRANTY DEED

This Warranty Deed, made this 21st day of October, 2005, BETWEEN CAMBER L. CLARK AND PAULA L. CLARK, Husband and Wife whose post office address is 3832 NW Archer St., No. 101, Lake city, FL 32055, grantor*, and CARRIE CRAWFORD AND MATTHEW D. CASON, as **joint tenants with right of survivorship**, whose post office address is P.O. Box 727, Lake City, FL 32056, grantee*.

(Whenever used herein the terms "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, trusts and trustees)

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

Commence at the NW corner of Lot 15, Holly Hill, as per plat thereof recorded in Plat Book 6, Page 147-148 of the public records of Columbia County, Florida, and run thence S 20 degrees 30'00" West, along the West line of said Lot 15, 182.49 feet to the SW corner of said Lot 15, thence N 78 degrees 11'56" West, 213.00 feet, thence N 29 degrees 09'28" East, 266.45 feet, thence S 66 degrees 31'38" East, 176.70 feet to the Point of Beginning.

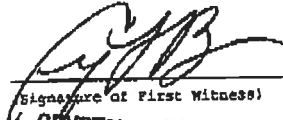
Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

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

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

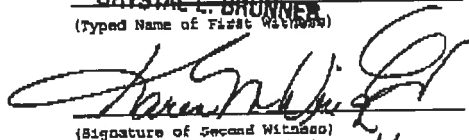
Signed, sealed and delivered
in our presence:



(Signature of First Witness)
CRYSTAL L. BRUNNER
(Typed Name of First Witness)



(SEAL)
CAMBER L. CLARK



(Signature of Second Witness)
Karen M. Wright
(Typed Name of Second Witness)

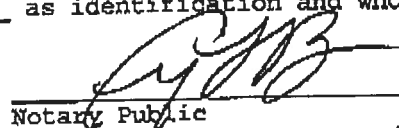


(SEAL)
PAULA L. CLARK

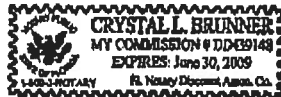
STATE OF FLORIDA
COUNTY OF COLUMBIA

21st The foregoing instrument was acknowledged before me this
day of October, 2005, by camber L. Clark and Paula L.
Clark, Husband and Wife who is/are personally known to me or who
has/have produced _____ as identification and who did
not take an oath.

My Commission Expires:



Notary Public
Printed, typed, or stamped name:



Inst:2005026438 Date:10/24/2005 Time:12:42
Doc Stamp-Deed : 168.00
_____, P. DeWitt Cason, Columbia County B:1082 P:2169

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000000955**

DATE: 01/23/2006

BUILDING PERMIT NO. 24061

APPLICANT MATT CASON

PHONE 386.752.5152

ADDRESS 853 SW SISTERS WELCOME ROAD

LAKE CITY

FL 32025

OWNER MATT & CARRIE CASON

PHONE 386.755.5152

ADDRESS 321 SW HIDEAWAY DRIVE

LAKE CITY

FL 32025

CONTRACTOR WM STANLEY CRAWFORD

PHONE 386.752.5152

LOCATION OF PROPERTY 47-S TO MARVIN BURNETT RD, TR TO HIDEAWAY, TL AND THE LOT IS ON THE
LEFT.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

PARCEL ID # 07-4S-17-08110-006

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: *[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: *Permitted Rd.*

SIGNED: *[Signature]*

DATE: 2/6/06

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

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





Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3833 • Fax(386)752-5458

6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)4047

2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

27061

JOB NO.: 06-092

DATE TESTED: 2/20/2006

DATE REPORTED: 2/28/2006

REPORT OF IN-PLACE DENSITY TEST

| | |
|---------------------------------|---|
| PROJECT: | Cason Residence, Lake City |
| CLIENT: | Stanley Crawford Construction, Inc, 853 SW Sisters Welcome Rd., Lake City, FL 3 |
| GENERAL CONTRACTOR: | Stanley Crawford Construction, Inc. |
| EARTHWORK CONTRACTOR: | Stanley Crawford Construction, Inc. |
| INSPECTOR: | John Osteen |
| ASTM METHOD | SOIL USE |
| (D-2922) Nuclear | BUILDING FILL |
| SPECIFICATION REQUIREMENTS: 95% | |

| TEST NO. | TEST LOCATION | TEST DEPTH | WET DENSITY (lb/ft ³) | MOISTURE PERCENT | DRY DENSITY (lb/ft ³) | PROCTOR TEST NO. | PROCTOR VALUE | % MAXIMUM DENSITY |
|----------|-------------------|------------|-----------------------------------|------------------|-----------------------------------|------------------|---------------|-------------------|
| 1 | CENTER PAD | 0 - 12" | 116.1 | 7.3 | 108.2 | 1 | 105.6 | 102.5% |
| 2 | 10' OFF NW CORNER | 0 - 12" | 117.3 | 7.5 | 109.1 | 1 | 105.6 | 103.3% |
| 3 | 20' OFF SW CORNER | 0 - 12" | 116.8 | 7.4 | 108.8 | 1 | 105.6 | 103.0% |

REMARKS:

The Above Tests Meet Specification Requirements.

| PROCTORS | | | | |
|----------|------------------|---|-------------|------------------------|
| TEST NO. | SOIL DESCRIPTION | MAXIMUM DRY UNIT WEIGHT (lb/ft ³) | OPT. MOIST. | TYPE |
| 1 | Light Tan Sand | 105.6 | 13.2 | MODIFIED (ASTM D-1557) |

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer
President - CEO
SW

Reviewed By:

John C. Dorman, P.E., PhD
Florida Registration No.: 52612

Date: 3/1/06

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Future material conditions can vary between test locations and

"Excellence in Engineering & Geoscience"



Cal-Tech Testing, Inc.

• Engineering

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456

• Geotechnical

6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)4047

• Environmental

2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF LABORATORY COMPACTION TEST

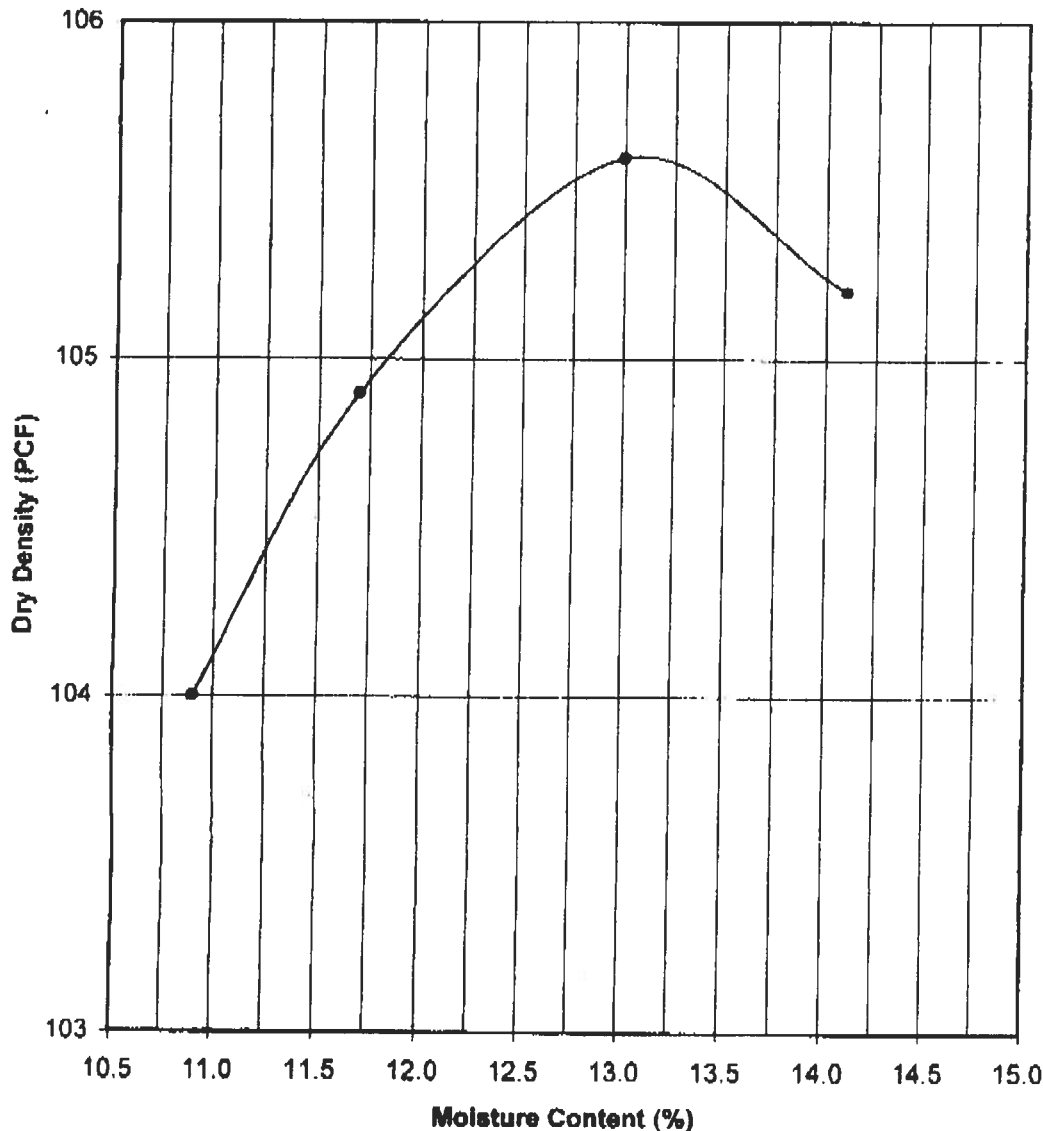
Client:
Project Name:
Project Location:
Contractor:

Stanley Crawford Construction, Inc. 853 SW Sisters Welcome Rd., Lake City, FL 32025
Cason Residence, Lake City
Lake City, Florida
Stanley Crawford Construction, Inc.

File No: 06-092

Date: [REDACTED]

Lab No: 8275



PROCTOR DATA

Proctor No.: 1

Modified Proctor [✓]
(ASTM D-1557)Standard Proctor []
(ASTM D-698)Maximum Dry
Dens. Pcf: 105.6Optimum Moisture
Percent: 13.2

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Sample Description:
Sample Location:
Proposed Use:
Sampled By:
Tested By:
Remarks:

Light Tan Sand

Stockpile

Pad

John Osteen

Date: 2/20/2006

Nelson Henderson

Date: 2/20/2006

1cc: Client

1cc: File

Linda M. Creamer
President - CEO

Reviewed By: [Signature]

Date: 2/28/06

FL Registration No: 52612

GENERAL PUBLIC WORKS

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 07-4S-17-08110-006

Building permit No. 000024061

Use Classification SF/UTILITY

Fire: 11.84

Permit Holder WM STANLEY CRAWFORD

Waste: 24.50

Owner of Building MATT & CARRIE CASON

Total: 36.34

Location: 321 SW HIDEAWAY DRIVE

Date: 08/28/2006



Harry Sticker

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)