

**AAMA/WDMA/CSA 101/I.S.2/A440-08
TEST REPORT**

Rendered to:

EAGLE WINDOWS & DOOR, INC

**SERIES/MODEL: Ascent Series Clad Outswing Radius Sidelite
PRODUCT TYPE: Aluminum Clad Wood Fixed Door**

Title	Summary of Results
Primary Product Designator	LC-PG80-FD 1016 x 2423 (40 x 95)
Design Pressure	± 3840 Pa (± 80.0 psf)
Air Infiltration	< 0.05 L/s/m ² (< 0.01 cfm/ft ²)
Water Penetration Resistance Test Pressure	580 Pa (12.0 psf)
Uniform Load Structural Test Pressure	± 5760 Pa (± 120 psf)
Forced Entry Resistance	Grade 40

Test Completion Date: 11/10/06

Reference must be made to Report No. 68746.01-201-44, dated 12/02/08 for complete test specimen description and data.

AAMA/WDMA/CSA 101/I.S.2/A440-08 TEST REPORT

Rendered to:

EAGLE WINDOW & DOOR, INC.
2045 Kerper Boulevard, P.O. Box 1072
Dubuque, Iowa 52004-1072

Report No.: 68746.01-201-44
Test Dates: 11/10/06
Original Report Date: 11/21/06
Revised Report Date: 12/02/08
Expiration Date: 11/10/10

Project Summary: Architectural Testing, Inc. was contracted by Eagle Window & Door to perform testing on a Series/Model Clad Outswing Radius Sidelite, Aluminum Clad Wood Fixed Sidelite Door. The sample tested successfully met the performance requirements for a LC-PG80-FD 1016 x 2423 (40 x 95) rating. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-08, *NAFS - North American Fenestration Standard/Specification for Windows, Doors, and Skylights*.

Test Specimen Description:

Series/Model: Ascent Series Clad Outswing Radius Sidelite

Product Type: Aluminum Clad Wood Fixed Door

Overall Size: 1016 mm (40") wide by 2423 mm (95-3/8") high

Panel Size: 970 mm (38-3/16") wide by 2367 mm (93-3/16")

Overall Area: 2.5 m² (26.5 ft²)

Finish: Interior is natural wood, exterior cladding is painted.

Test Specimen Description: (Continued)

Frame Construction: The sill was coped, butted and secured to the jamb utilizing two #8 by 44 mm (1-3/4") screws through sill through wood blocks and into wood jamb. The jambs were coped, butted and secured to the head with three #8 by 44 mm (1-3/4") screws. The exterior cladding was snap-fit and secured with a corner key at the head corners. The nail fin is attached to the frame utilizing #8 by 13 mm (1/2") sheet metal screws 76 mm (3") from corners and spaced 152 mm to 203 mm (6" to 8") on center.

Panel Construction: The wood stiles and rails on the sides and bottom of the panel were joined by two 19 mm (3/4") by 101 mm (4") hardwood dowels secured with glue and one 64 mm (2-1/2") brad nail. The top radius rail was joined by two 19 mm (3/4") by 76 mm (3") hardwood dowels that were also secured with glue and one 64 mm (2-1/2") brad nail. The extruded aluminum cladding was slide-fit and secured on the jambs with #7 by 22 mm (7/8") screws 152 mm (6") from top and bottom. The panel was secured to the frame with rigid PVC dual-durometer continuous spacer bracket that was secured to the frame with 19 mm (3/4") screws spaced 76 mm to 152 mm (3" to 6") from corners and 356 mm to 406 mm (14" to 16") on center. The panel was set in a bed of perimeter sealant and secured through the spacer bracket with #8 by 25 mm (1") screws spaced to 152 mm (3" to 6") from corners and 356 mm to 406 mm (14" to 16") on center. The bottom rail was secured with metal L-brackets secured to the panel and frame with #8 by 19 mm (3/4") screws spaced 76 mm (3") from each corner and 305 mm (12") on center.

Glazing Details: The glazing utilized two nominal 4 mm (5/32") thick tempered sheets separated by a metal spacer system. The glass was set from the interior against a 13 mm (1/2") by 2 mm (1/16") thick butyl glazing tape and a back-bedding of silicone. Interior wood stops with a 16 mm (5/8") by 2 mm (1/16") thick single sided foam tape were utilized on the interior and secured with a 32 mm (1-1/4") brad nails 51 mm (2") from the corners and spaced 152 mm to 203 mm (6" to 8") on center.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
6 mm (1/4") diameter hollow bulb	1 Row	Bottom of panel bottom rail

Installation: The door was installed within a nominal wood test buck. An aluminum nail fin was secured to the unit with 13 mm (1/2") screws 152 mm (6") from each corner and 305 mm (12") on center. The door was attached to the buck with aluminum nailing fin with #8 by 38 mm (1-1/2") screws. The screws are located 152 mm (6") from each corner and spaced 152 mm (6") on center. The sill was set in a bed of silicone sealant. The unit was sealed to the buck with silicone sealant.

Test Results: The temperature during testing was 21°C (70°F). The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.2.1	Air Leakage Resistance per ASTM E 283		
	75 Pa (1.6 psf)	<0.05 L/s/m ² (<0.01 cfm/ft ²)	1.5 L/s/m ² (0.3 cfm/ft ² max.)
	300 Pa (6.2 psf)	<0.05 L/s/m ² (<0.01 cfm/ft ²)	-- --

Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-08 for air leakage resistance.

5.3.3.2	Water Penetration Resistance per ASTM E 547 and E 331		See Note #2
5.3.4.2	Uniform Load Deflection per ASTM E 330		See Note #2
5.3.4.3	Uniform Load Structural per ASTM E 330		See Note #2

Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".

5.3.5	Forced Entry Resistance per ASTM F 588		
	Type: D	Grade: 40	
	Lock Hardware Manipulation Test	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry

Optional Performance

4.3.2.1	Water Penetration Resistance per ASTM E 547 and E 331		
	580 Pa (12.0 psf)	No leakage	No leakage
4.3.2.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the panel bottom rail) (Loads were held for 60 seconds)		
	3840 Pa (80.0 psf) (positive)	0.5 mm (0.02")	See Note #3
	3840 Pa (80.0 psf) (negative)	0.3 mm (0.01")	See Note #3

Note #3: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-08 for this product designation. The deflection data is recorded in this report for special code compliance and information only.

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance</u> (Continued)			
4.3.2.1	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the panel bottom rail) (Loads were held for 10 seconds)		
	5760 Pa (120.0 psf) (positive)	0.3 mm (0.01")	3.8 mm (0.15") max.
	5760 Pa (120.0 psf) (negative)	0.3 mm (0.01")	3.8 mm (0.15") max.

Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.

Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimen reported herein.

List of Official Observers:

<u>Name</u>	<u>Company</u>
Karl A. Lips-Eakins	Architectural Testing, Inc.
Eric J. Schoenthaler	Architectural Testing, Inc.

Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period, such materials shall be discarded without notice and the service life of this report will expire.

Results obtained are tested values and were secured by using the designated test methods. No conclusions of any kind regarding the adequacy or inadequacy of the glass in the test specimen can be made. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimens tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

Eric J. Schoenthaler
Project Manager

Daniel A. Johnson
Director - Regional Operations

EJS/mb

Attachments (pages): This report is complete only when all attachments listed are included.

- Appendix A: Alteration Addendum (1)
- Appendix B: WDMA Submittal Forms (2)
- Appendix C: Drawings (22)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	11/21/06	N/A	Original report issue. Report and drawings forwarded to AMS for Hallmark Certification.
1	01/25/07	3	Added Forced Entry Resistance Data. Report and drawings forwarded to AMS for Hallmark Certification.
2	12/02/08	All	Test report results conducted prior to 2008 standard being published; report is as compared to 2008 standard. Report and drawings forwarded to AMS for Hallmark Certification.

Appendix A:
Alteration Addendum

Note: No alterations were required,

Appendix B
WDMA Submittal Forms



WDMA HALLMARK CERTIFICATION PROGRAM REPORT SUBMISSION FORM

THIS FORM IS TO BE COMPLETED BY THE MANUFACTURER AND SUBMITTED TO AMS PRIOR TO OR ALONG WITH SUBMISSION OF EACH NEW OR REVISED TEST REPORT FOR CERTIFICATION TO THE HALLMARK PROGRAM. ANY QUESTIONS PLEASE CONTACT AMS AT 315-646-2234 OR staff@amscert.com.

Manufacturer: Eagle Window and Door, Inc.

Contact: Todd Bergstrom

Plant Location(s):
(list all plants where product is made)
2045 Kerper Blvd. Dubuque, IA 52004-1072

Phone: 563-556-2270

Test Report #: 68746.01-201-44-R2

Email: tbergstrom@eaglewindow.com

Product Relationship:

Extension of currently certified product? yes no n/a Recertification New (check one)

If yes, what CCL # ? 099-H-670.00

Difference from Certified Product: Report re-written to A440.08 standard.

Is this a Gateway Test ? yes no n/a

Does this report require a Gateway Report # ? yes no n/a Report #: _____

Impact Report:

If this is not an impact report check here:

AWS Report # _____

Test Plan # ? yes no n/a _____

Installation Instructions submitted ? yes no n/a

Certification to Florida:

If this will not be submitted to Florida check here:

AMS to Input to Database yes no n/a

Manufacturer to input yes no n/a



WDMA HALLMARK CERTIFICATION PROGRAM REPORT SUBMISSION FORM

Product Name: Ascent Series Clad Outswing Radius Sidelight
(as to be listed on CCL)

Product Type: Sidelight

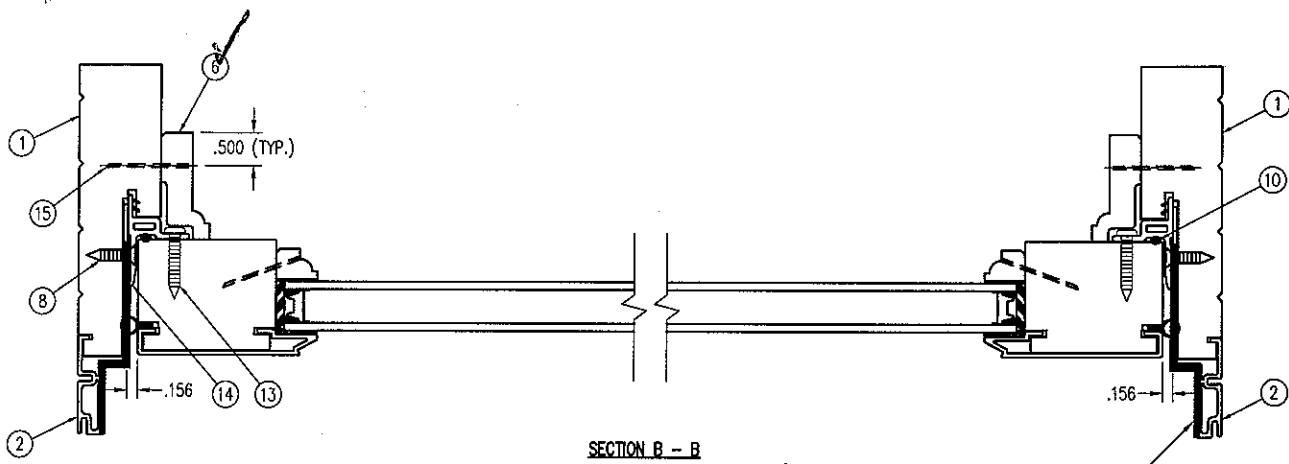
Additional Manufacturer ID #: _____

n/a

<u>Hallmark CCL</u>	<u>Standard</u>	<u>Rating</u>
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<input type="checkbox"/>	101/I.S.2/NAFS-02	_____
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Appendix C

Drawings

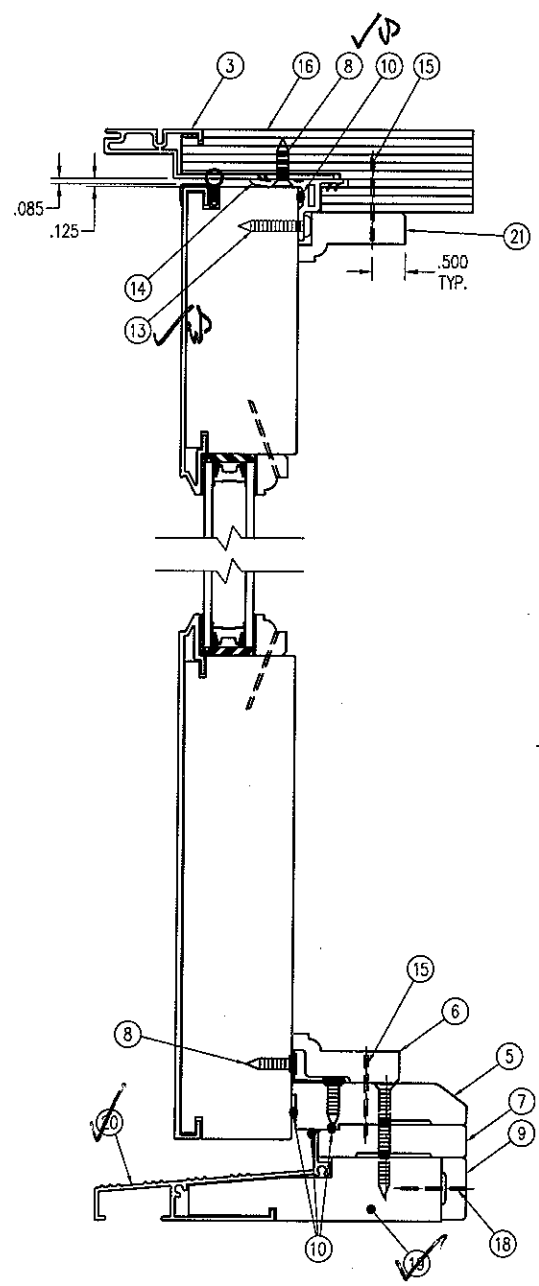


SECTION B - B

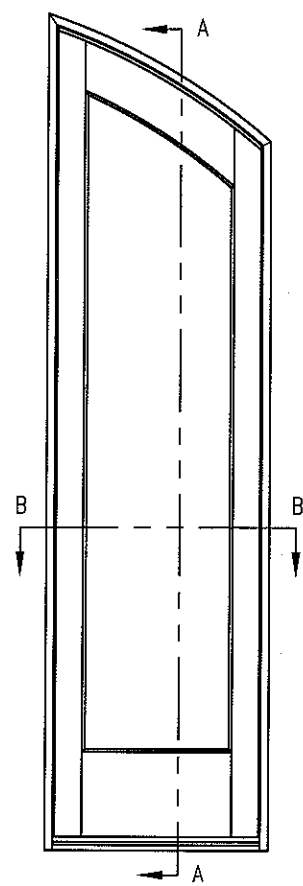
Architectural Testing

This sample complies with these details.
 No further are noted.

Report# 68746
 Date 11/10/06 Tech JEB



SECTION A-A

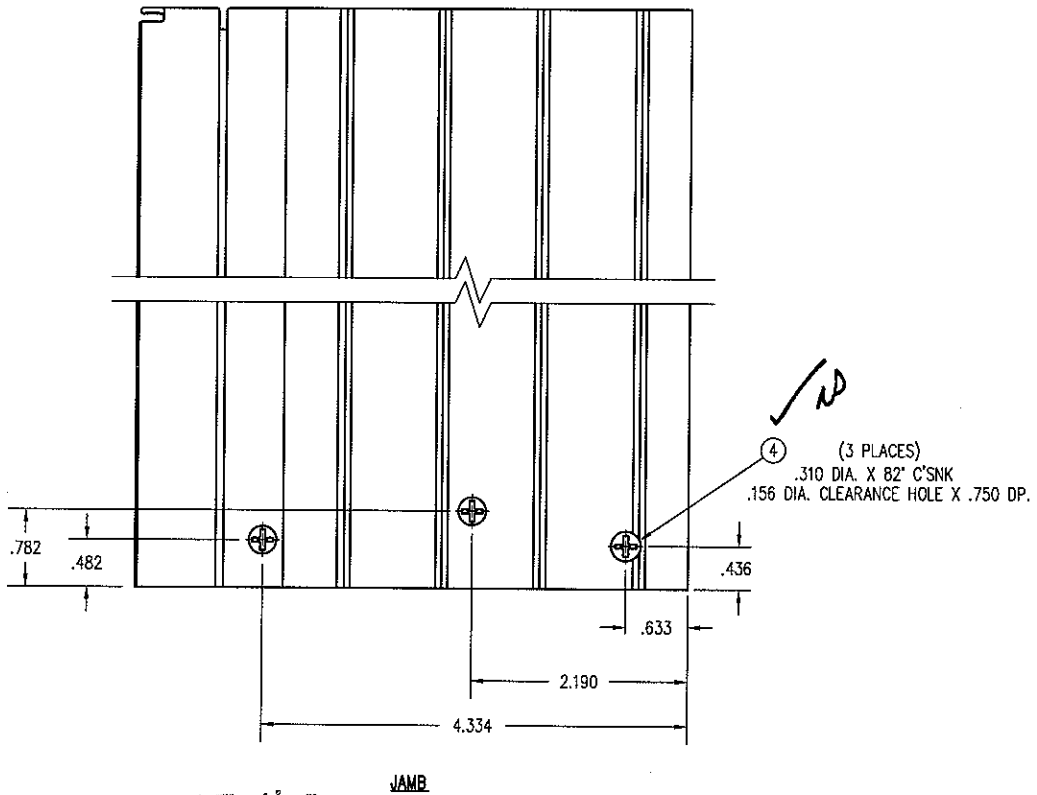
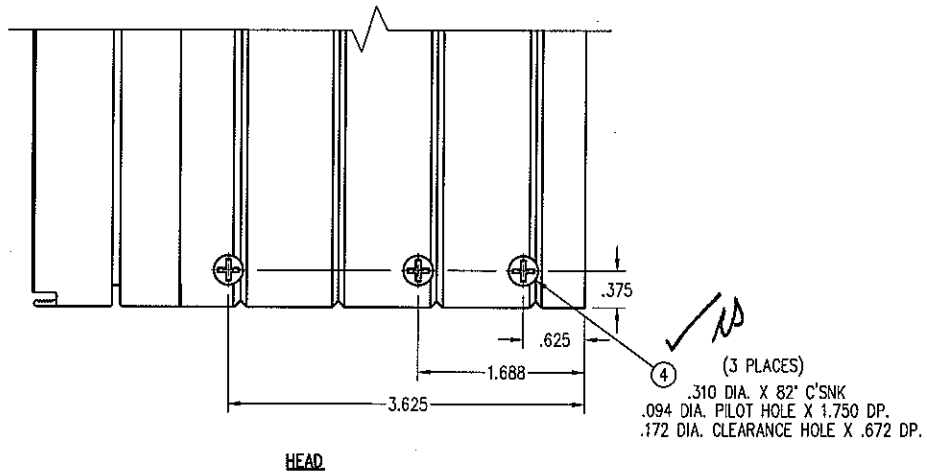


EXTERIOR VIEW

THIS DRAWING AND ITS CONTENTS ARE THE PROPERTY OF EAGLE WINDOW & DOOR. NO USE OR REPRODUCTION OF THE CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR.	
TITLE: CRAFTO SIDELITE UNIT ASSEMBLY	
FINISH:	
MATERIAL:	
DFT: thammerand	SCALE: 1=3
DCN: 0946	DRWG: 051N
DATE: 3/16/2005	C 01 OF 08

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: ALL SCREW LOCATIONS TYPICAL



Architectural Testing

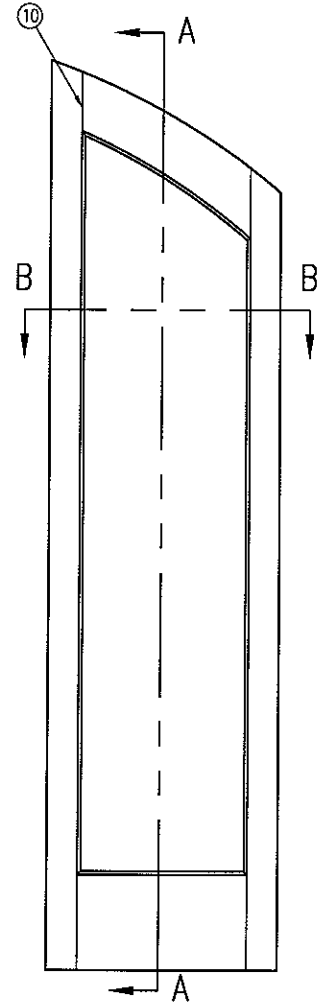
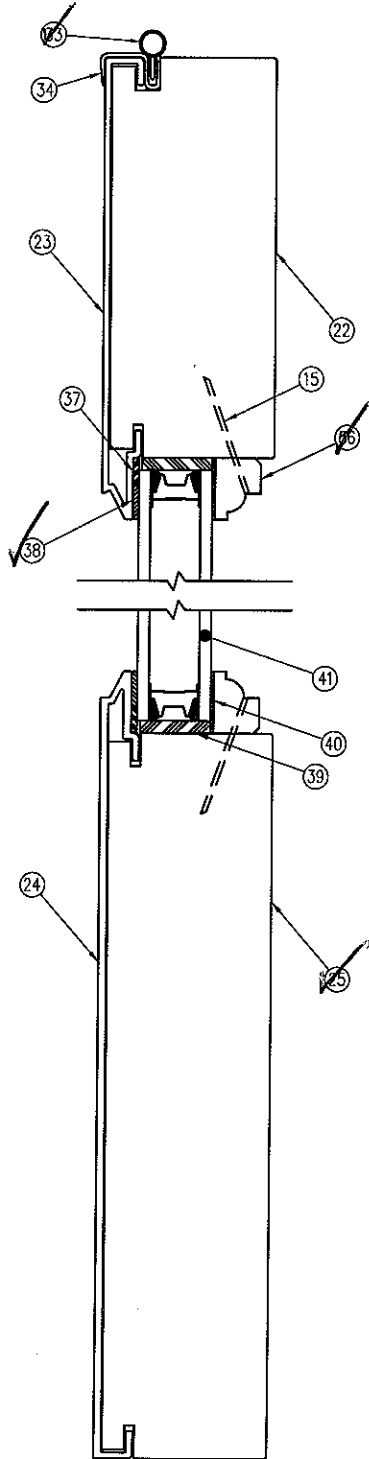
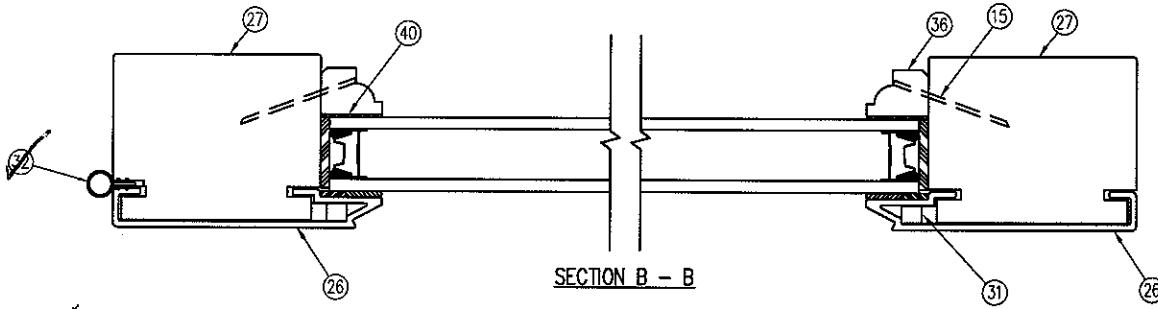
Test samples correlated with these details.
 Dimensions are noted.

Report# 68746
 Date 11-10-06 Tech JEB

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TITLE:	CRAEDO SIDELITE UNIT ASSEMBLY
FINISH:	
MATE:	
DFT: ihammerand	SCALE: 1=2
DCN: 0946	DRWG: 051N
DATE: 3/21/2005	C 02

NO	DESCRIPTION	DFT	DOC	DATE

- NOTE: 1. SILICONE SEALANT MUST RUN THE ENTIRE LENGTH OF SEAM BETWEEN STILE AND RAIL CLADDING AT ALL JOINTS.
 2. EACH STILE GETS WEDGES INSERTED FLUSH WITH THE ENDS OF THE PANELS. ONE AT THE TOP, ONE AT THE BOTTOM.



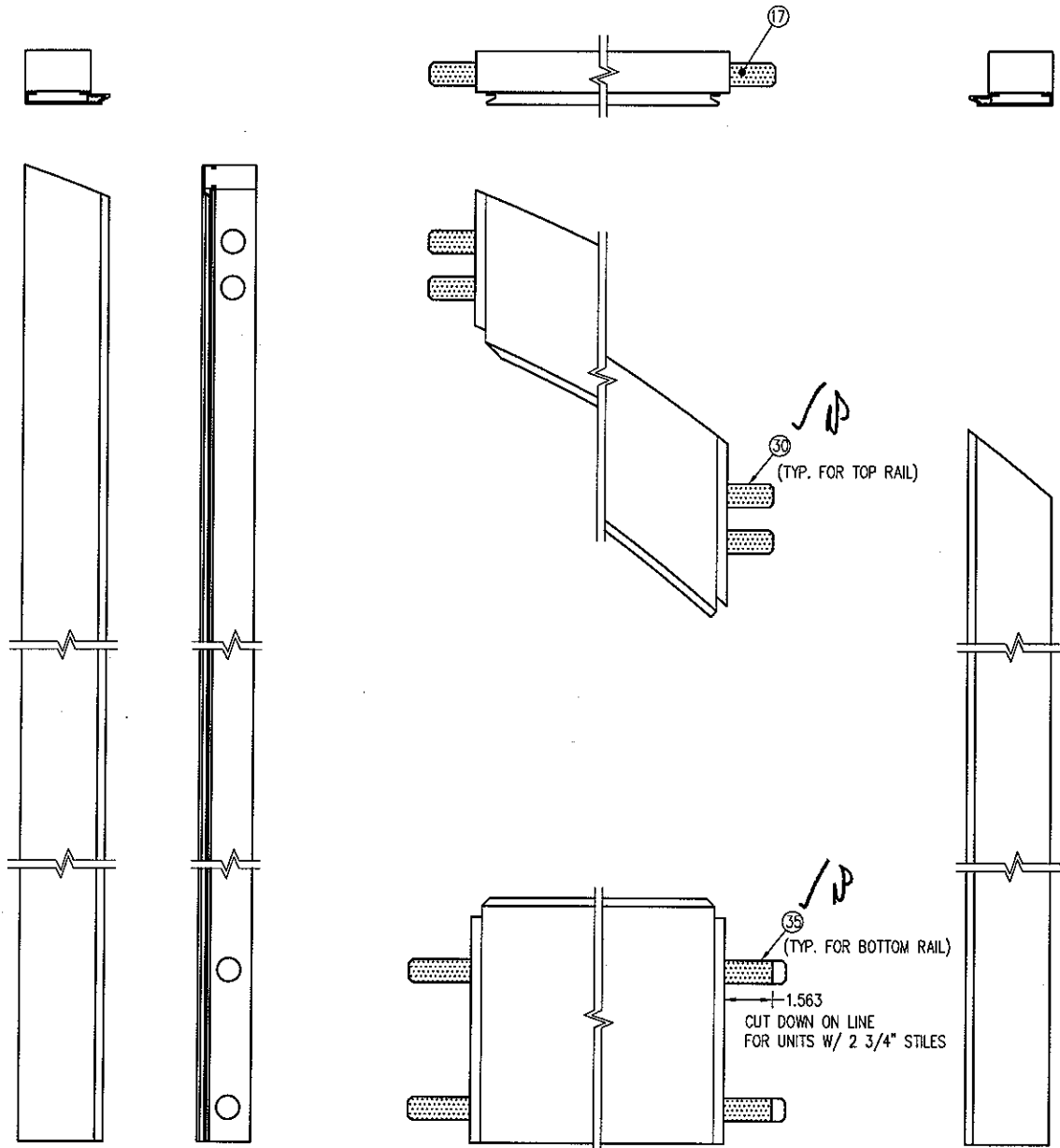
Architectural Testing
 Test sample complies with these details.
 Deviations are noted.

Report# 68746
 Date 11-10-06 Tech JEB

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TITLE:	CRAFDO SIDELITE PANEL ASSEMBLY
FINISH:	
MATL:	
DFT: jhammerand	SCALE: 1=2
DCN: 0946	DRWG: 051N
DATE: 3/2/2005	C 04

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. INJECT 1.75 CC OF GLUE INTO EACH RAIL HOLE AND INSERT DOWEL UNTIL FULLY SEATED.
 2. APPLY THIN COAT OF GLUE TO ENTIRE SURFACE OF STILE HOLE AND DOWEL PRIOR TO ASSEMBLING PANEL.



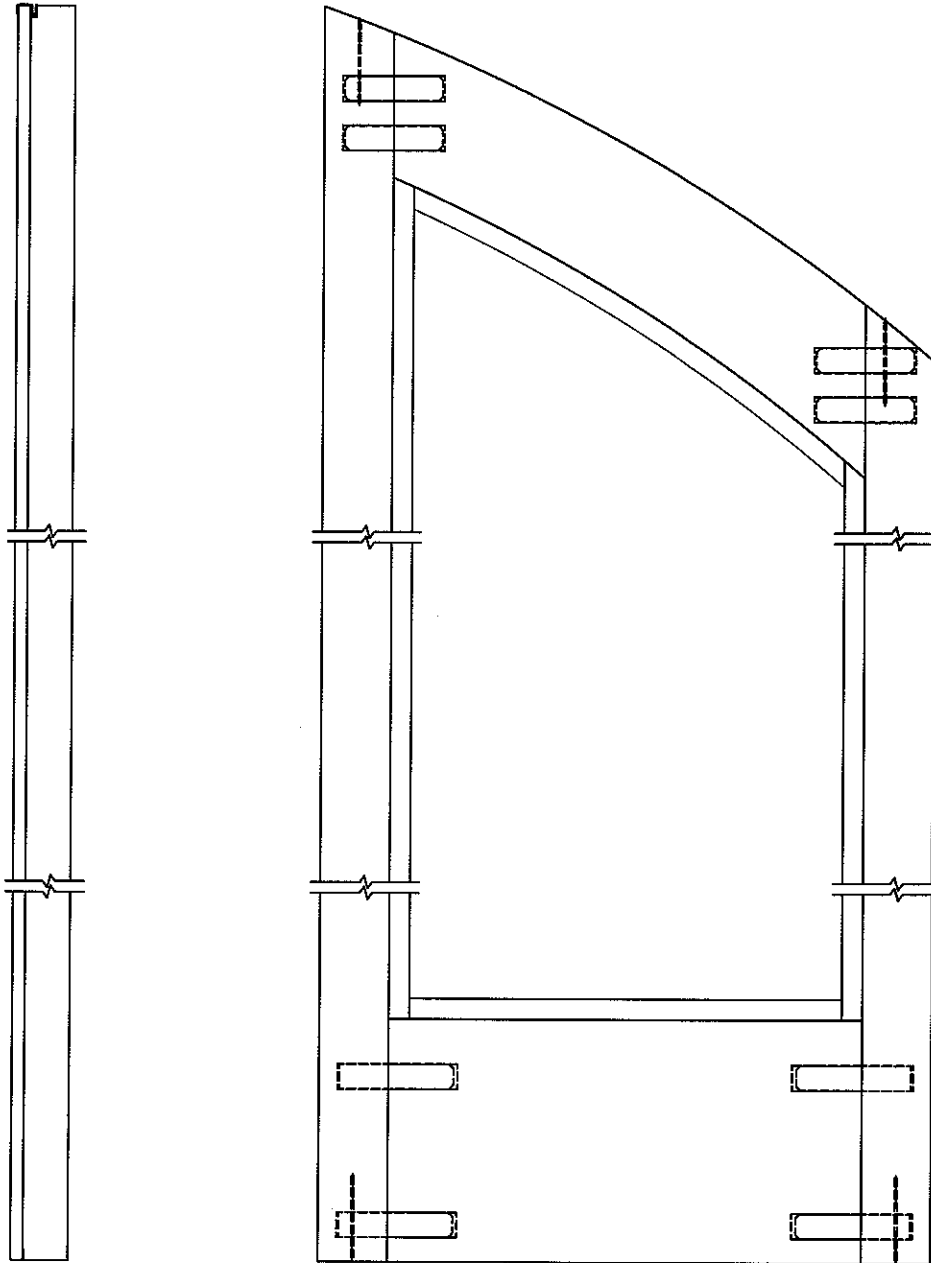
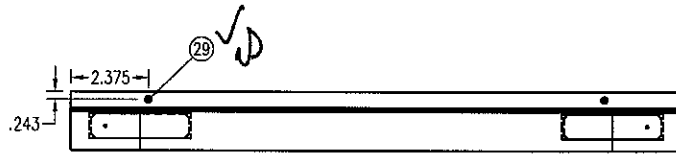
Test sample complies with these details.
 Deviations are noted.

Report# 68746
 Date 11-10-06 Tech JEB

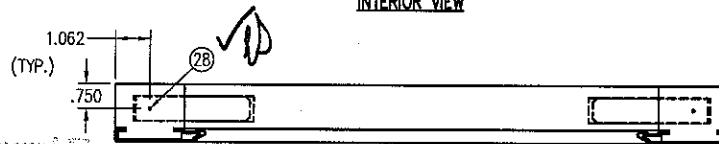
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TITLE:	CRAFDO SIDELITE PANEL ASSEMBLY
FINISH:	
MATL:	
DFT:	JH SCALE: 1=6
DCN:	0946 DRWG: 051N
DATE:	3/1/2005 C 05

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. A BEAD OF SILICONE SEALANT MUST BE APPLIED TO ENDS OF STILE CLADDING AND THE ENTIRE WIDTH OF PANEL BEFORE INSTALLING CAP.



INTERIOR VIEW



Architectural Thermo

Refer sample assemblies with these details.
 Deviations are noted.

Report# 68746
 Date 11-10-06 Tech JEB

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TITLE:	CRAFT SIDELITE PANEL ASSEMBLY
FINISH:	
MATL:	
DFT:	hammerand SCALE: 1=6
DCN:	0946 DRWG: 051N
DATE:	3/2/2005 C 06

NO	DESCRIPTION	DFT	DOC	DATE
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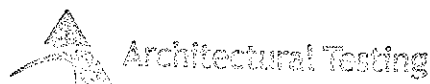
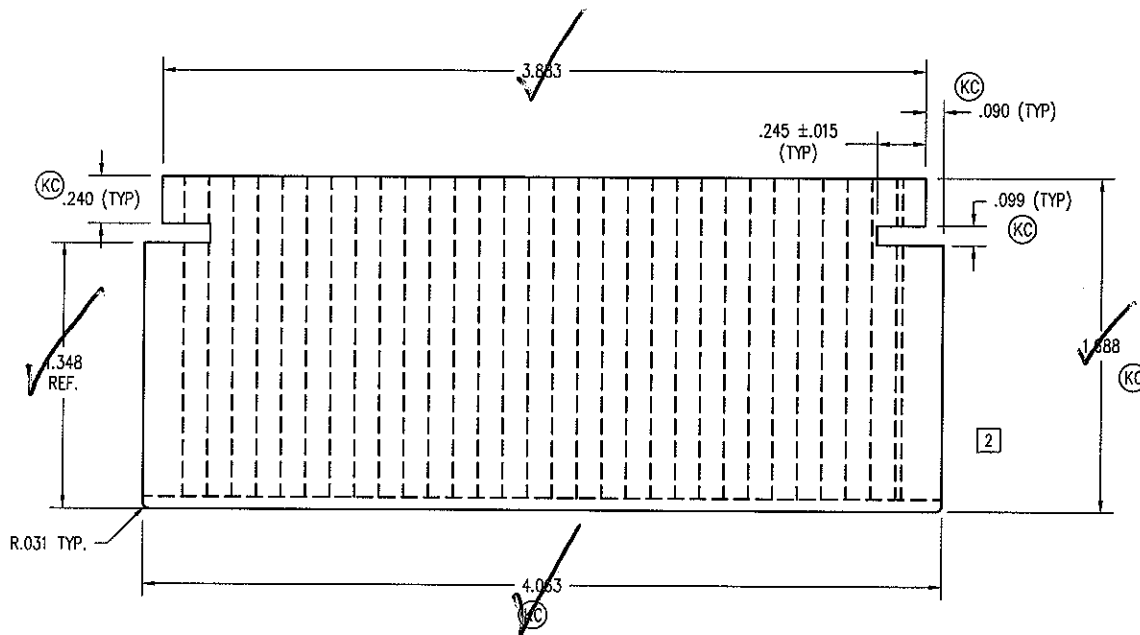
NO.	DWG. NO.	PART DESCRIPTION	QUANTITY	MATERIAL	SUPPLIER
1	206X	SIDE JAMB	1	WOOD	EAGLE WINDOW & DOOR
2	A13B	JAMB CLADDING	1	ALUMINUM	BONNELL
3	A04B	HEAD JAMB CLADDING	1	ALUMINUM	BONNELL
4	A02E	#8 x 1 3/4" FHWS Z&Y	12	STEEL	ABILITY FASTENERS
5	20EK	SIDELITE SILL STOP	1	WOOD	EAGLE WINDOW & DOOR
6	20EJ	SIDELITE / TRANSOM PANEL STOP	3	WOOD	EAGLE WINDOW & DOOR
7	21HC	O.S. SILL CAP	1	WOOD	EAGLE WINDOW & DOOR
8	A693	#8 x 3/4" FHWS TEKS POINT S.S.	AS REQUIRED	STEEL	ABILITY FASTENERS
9	21HC	O.S. SILL TRIM	1	WOOD	EAGLE WINDOW & DOOR
10	A030	SILICONE SEALANT	AS REQUIRED	SILICONE	DOW CORNING
11	A619	CORNER KEY, FRAME	2	NYLON	DECO PRODUCTS CO.
12	21PB	#20 BISCUIT	2	WOOD	
13	A54M	#8 x 1" PHSMS TEKS POINT S.S.	AS REQUIRED	STEEL	ABILITY FASTENERS
14	A692	SIDELITE / TRANSOM SHIM	4	PVC	CLIM-A-TECH
15	A40F	1 1/4" HARDENED STEEL BRAD 18 GA.	AS REQUIRED	STEEL	PACKAGING INC.
16	21YK	HEAD JAMB	1	veneers	
17	A01D	WOOD ADHESIVE	AS REQUIRED	COPOLYMER	NATIONAL CASEIN
18	A40E	1" H.S. BRAD 18 GA	AS REQUIRED	STEEL	PACKAGING INC.
19	A476	O.S. SUBSILL	1	WOOD/PLASTIC	ITC
20	A477	O.S. SILL EXTRUSION	1	ALUMINUM	BONNELL
21	224B	RADIUS PANEL STOP	1	WOOD	EAGLE WINDOW & DOOR
22	2009	RADIUS TOP RAIL	1	WOOD	PAC. WOOD LAMINATES
23	A613	RADIUS TOP RAIL CLADDING	1	ALUMINUM	PRIES
24	A64K	8" BOTTOM RAIL CLADDING	1	ALUMINUM	PRIES
25	20DJ	8" BOTTOM RAIL	1	WOOD	PAC. WOOD LAMINATES
26	A61N	2 3/4" STILE CLADDING	1L, 1R	ALUMINUM	PRIES
	A613	4 11/16" STILE CLADDING			
27	20D5	2 3/4" STILE	1L, 1R	WOOD	PAC. WOOD LAMINATES
	20D6	4 11/16" STILE			
28	A43D	2 1/2" BRAD - TO FASTEN DOWEL TO RAIL	4	GALVANIZED STEEL	CARLSON
29	A00T	#7 x 7/8" FHWS S.S.	4	STEEL	DECO PRODUCTS CO.
30	220F	3" DOWEL	4	WHITE BIRCH	EXCEL DOWEL
31	A699	PANEL WEDGE	4	NYLON	LAKE COUNTRY SALES
32	A32N	ARLOC BULB WEATHERSTRIP	2	PROPYLENOL	AMESBURY
33	A283	ARLOC BULB WEATHERSTRIP	1	PROPYLENOL	AMESBURY
34	A49X	PANEL CAP	1	ALUMINUM	BONNELL
35	20A4	4" DOWEL	4	WHITE BIRCH	EXCEL DOWEL
36	220N	COLONIAL GLAZING STOP	4	WOOD	EAGLE WINDOW & DOOR
37	A08K	GLAZING SHIM	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
38	A01A	SEALANT BUTYL TAPE	AS REQUIRED	BUTYL RUBBER	PTI INC.
39	A00E	NEOPRENE SHIM	14	NEOPRENE RUBBER	CLIM-A-TECH
40	A67M	FOAM TAPE	4	POLYETHYLENE	ADHESIVES RESEARCH
41	A019	3/4" INSULATED GLASS	1	GLASS	CARDINAL IG
	A32Y	SINGLE PANE GLASS (MONOLITHIC)		GLASS	CARDINAL IG
42					
43					
44					
45	H-40	5/8" BETWEEN GLASS MUNTIN	AS REQUIRED	ALUMINUM	ALL METAL
46	P/PD	1" CONTOUR MUNTIN	AS REQUIRED	ALUMINUM	ALL METAL
47	220H	1 1/2" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
48	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALL METAL
49	A507	1 1/2" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
50	A67X	1 1/2" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVES RESEARCH
51	A67L	1 1/2" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVES RESEARCH
52	220H	1 1/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
53	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALL METAL
54	A507	1 1/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
55	A67W	1 1/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVES RESEARCH
56	A67R	1 1/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVES RESEARCH
57	220H	7/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
58	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALL METAL
59	A507	7/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
60	A67T	7/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVES RESEARCH
61	A67N	7/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVES RESEARCH
62	N/A	ADHESIVE TAPE	AS REQUIRED	POLYETHYLENE	CARDINAL IG

Architectural Tooling
 This drawing is not to be used without the express written permission of Eagle Window & Door.
 68746
 11-10-06 JEB

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 TITLE: CRAFDO SIDELITE PANEL ASSEMBLY
 FINISH:
 MATL:
 DFT: thammerand SCALE: 1=1
 DCN: 0946 DRWG: 051N
 DATE: 3/2/2005 C 08 OF 08

NO	DESCRIPTION	DFT	DOC	DATE

- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.010 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.
2. NO TELEGRAPHING (VISIBILITY) OF CORE GLUE JOINTS THROUGH ANY EXPOSED VENEER SURFACE IS ALLOWED.
3. ACCEPTABLE MATERIAL FOR THIS PART WHEN USED IN STAIN GRADE FINAL PRODUCT (i.e.; UNFINISHED, CLEAR FINISHED, STAINED, OR STAINED AND CLEAR FINISHED) IS DEFINED ON DRAWING 20CG.
- ACCEPTABLE MATERIAL FOR THIS PART WHEN USED IN PAINT GRADE FINAL PRODUCT (i.e.; INTERIOR PRIMED OR INTERIOR PAINTED) INCLUDES ANY OF THE FOLLOWING:
- A. AS DEFINED ON DRAWING 20CG.
- B. EDGE GLUED, FINGER-JOINTED, OR EDGE GLUED AND FINGER JOINTED PINE (SUGAR AND/OR PONDEROSA). ALL GLUED JOINTS MUST BE ADHERED USING AN EXTERIOR GRADE TYPE I BOND ADHESIVE. BROWN AND BLUE STAIN PARTS ARE NOT PERMITTED. SINKER STOCK IS NOT PERMITTED. NO KNOTS OR PITCH POCKETS ARE ALLOWED ON EXPOSED SURFACES. LESS THAN OR EQUAL TO 10% OF MATERIAL IN UNEXPOSED AREA MAY HAVE SMALL (LESS THAN $1/4"$ DIA.), SOLID, TIGHT KNOTS AND SMALL PITCH POCKETS (LESS THAN $1/4"$ DIA. x $1/2"$ LENGTH).



Test sample conformed with these details.
 Remaining as noted.

Report# 68746
 Date 11-10-06 Tech JEB

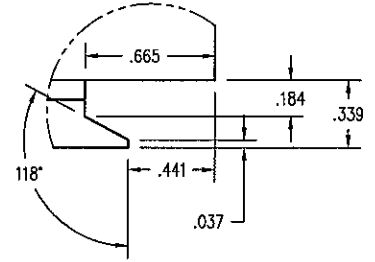
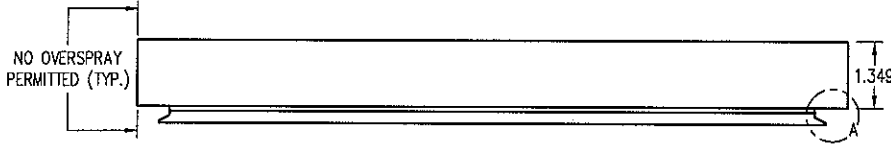


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 TITLE: 4 11/16" STILE / RAIL

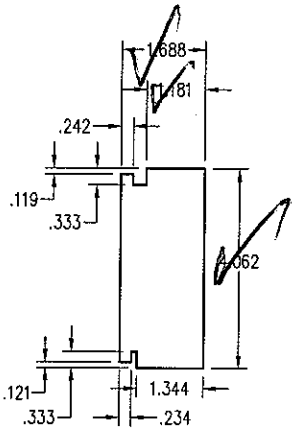
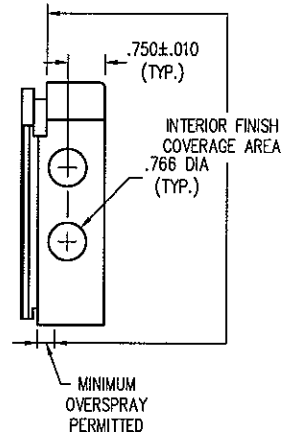
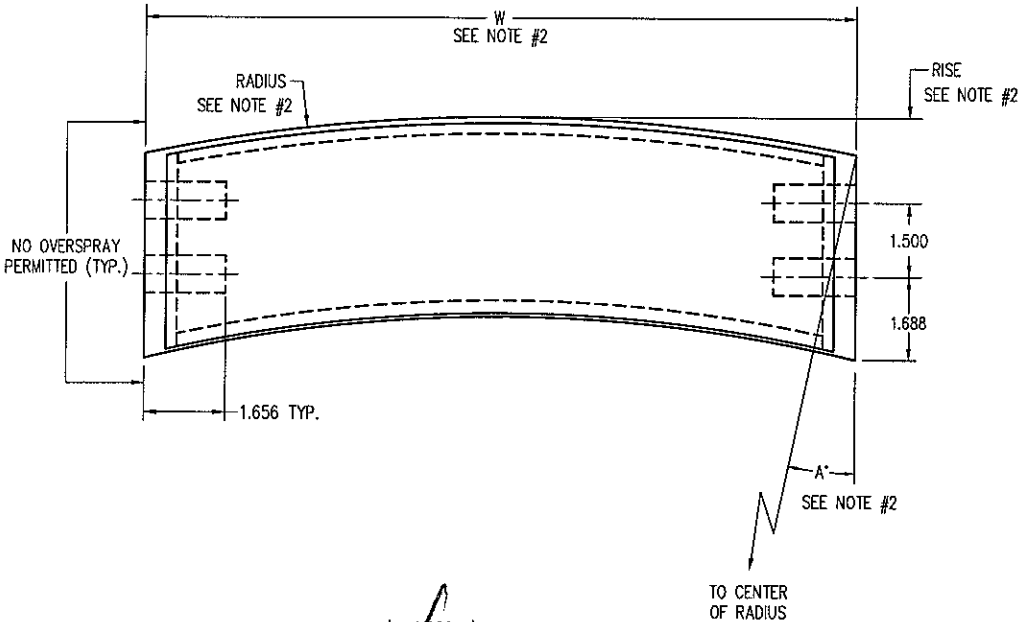
FINISH: PRESERVATIVE (SEE #A02J)
 ALSO (INT. A02F)
 SEE NOTE #3

NO	DESCRIPTION	DFT	DOC	DATE	DATE: 8/28/2003	C	01 OF 06
04	CHNG'D PROFILE	TWN	PRE	3/22/05	MATL:		
03	.104 (TYP) READ .086	AWW	PRE	10/18/04			
02	REMY'D ANGLE FROM GLASS SHE	AWW	PRE	10/3/04	DFT:	TWN	SCALE: 1=1
01	CHNG'D TO MATCH 20A1	AWW	PRE	6/28/04	DCN:	0736	DRWG: 2006

NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.
 2. FOR DIMENSIONS, SEE EXCEL SPREADSHEETS LOCATED IN U:\EDOC\SHARE\RAD\ASCENT RADIUS DOOR



DETAIL A
SCALE 2X



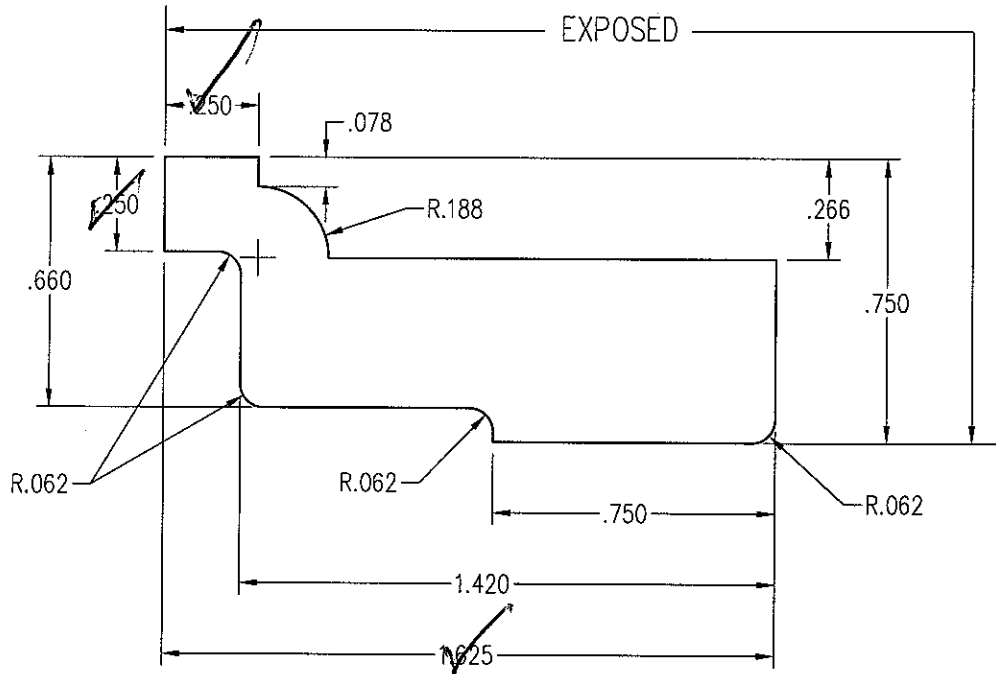
Architectural Drafting
 11111
 11111

Report# 68746
 Date 11-10-06 Tech: JEB

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TITLE: 4 11/16" HEAD RAIL-SINGLE CRAFT	
FINISH:	
MATL:	
DFT: jhammerand	SCALE: 1=2
DCN: 0946	DRWG: 20D9
NOI	DATE: 3/10/2005 C 01 OF 02

NOI	DESCRIPTION	DFT	DOC	DATE

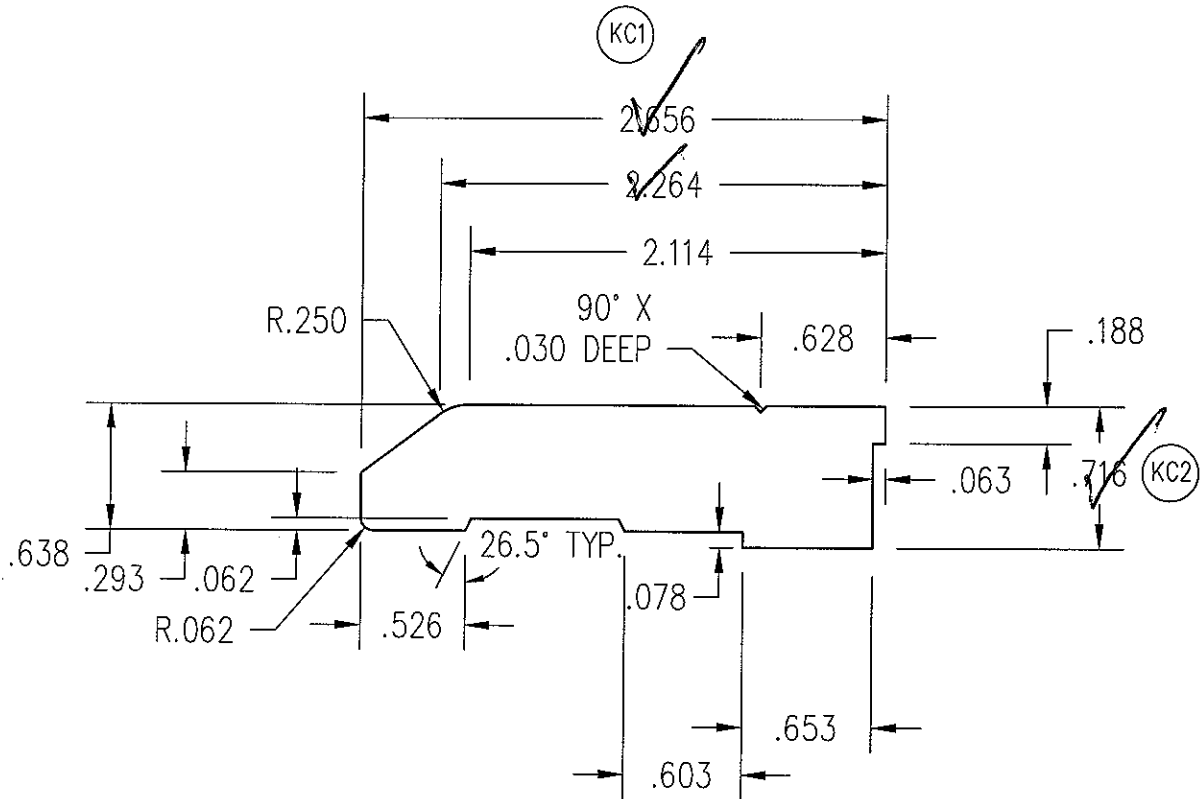
Note:1 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.+/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.



Architectural Testing
 Test to be performed with these details.
 Details as attached.
 Project: 68746
 Date: 11-10-06 JEB

01	ADDED PAGE 04	RDA	0946	10/16/2006
NO	Description of Change	Drafter	DCN#	Date
Title:	SDLT/TRANSOM PANEL STOP	Finish:	Material EAGLE'S STD. WOOD OFFERINGS	
Scale:	2=1	Date:	2/25/2005	
Drafter:	tnies	DCN#	0836	
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			1	01 of 04

NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.



Architectural Details

68746
11-10-06 JEB

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TITLE: OUTSWING SIDELITE SILL STOP

FINISH: PRESERVATIVE

MATL: OAK

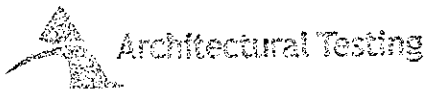
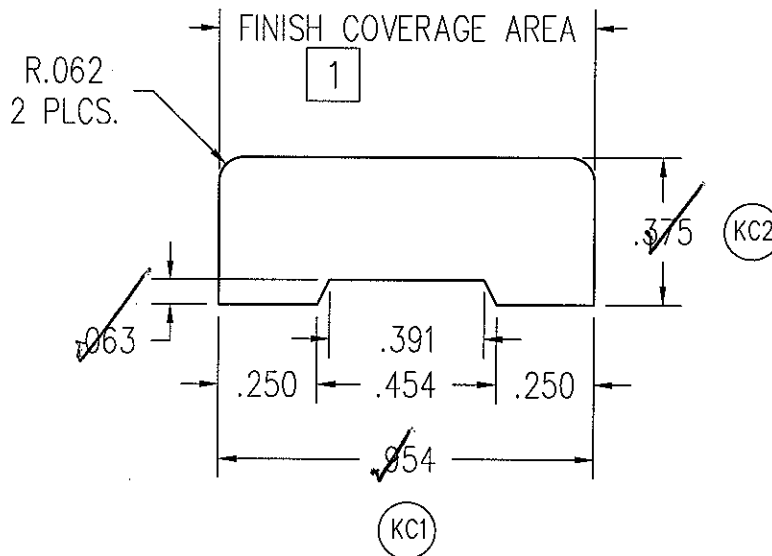
DFT: tnies SCALE: 1=1

DCN: 0794A DRWG: 20EK

DATE: 8/26/2005 A 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE
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NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.



Test sample complies with these details.
Deviations are noted.

Report# 68746
Date 11-10-06 Tech JEB

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TITLE: OUTSWING SILL TRIM

FINISH: PRESERVATIVE

MATL: OAK

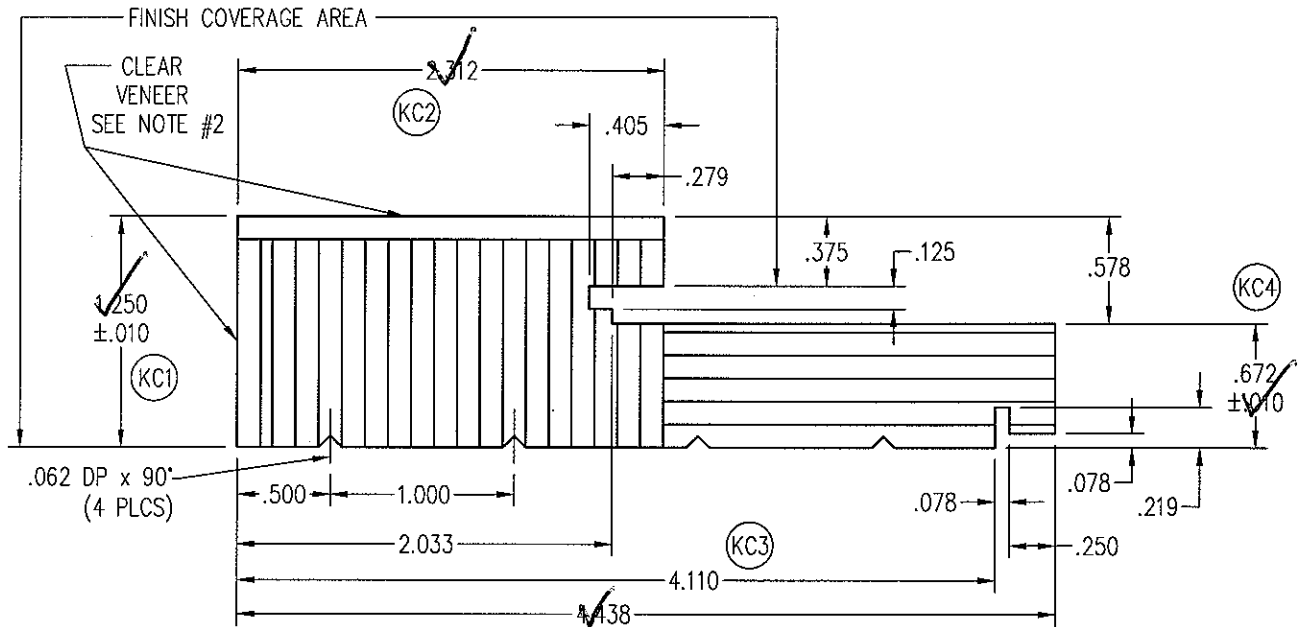
DFT: MJP SCALE: 2=1

DCN: 0243 DRWG: 21HC

DATE: 1/2/1997 A 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE
01	ADDED FINISH COVERAGE AREA	JH	0911	09/15/04

Note: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.
 2. THIS VENEER TO HAVE A MINIMUM THICKNESS OF .080.



Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 68746
 Date 11-10-06 Tech JEB

NO	Description of Change	Drafter	DCN#	Date
05	CHANGED WOOD MATERIAL TO LVL AND REMOVED EXTENSION JAMB NOTCH OPTION	TWN	0836A	2/8/2006
04	ADDED FINISH COVERAGE AREA, AND CHANGED TITLE BLOCK	JH	0924	11/4/2004
03	ADDED NOTCH	RDA	0260	5/2/1997
02	REVISED PROFILE	MJP	0199	4/13/1995
01	ADDED NOTES 2 & 3	BRL	0189	2/3/1995

Title: JAMB		Finish:		Material: SEE NOTES #3	
Scale: 1"=1"	Date: 4/7/1993	THIS DRAWING AND ITS CONTENTS ARE THE PROPERTY OF EAGLE WINDOW & DOOR. NO USE OR REPRODUCTION OF THE CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR.			REVISION: 206X
Drafter: JMH	DCN#: 0037				5

NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ±.005; FRAC. ±1/64; ANGLES ±1/2°.

2. FOR MOULDER PATTERN REFER TO PRINT 220J.

3. DIFFERENT GLAZING STOPS OFFERED ARE AS FOLLOWS:

CLAD SINGLE INSWING FRENCH DOOR (CAFDI), SIDELITE (CAFDI SDLT), & TRANSOM (CAFDTI) WITH 4 11/16" STILES

L = ACTUAL FRAME WIDTH - 10.656

2 CLAD SINGLE INSWING FRENCH DOOR (CAFDI), SIDELITE (CAFDI SDLT), & TRANSOM (CAFDTI) WITH 6 1/2" STILES

L = ACTUAL FRAME WIDTH - 14.281

CLAD DOUBLE INSWING FRENCH DOOR TRANSOM (CAFDTI) WITH 4 11/16" STILES

L = ACTUAL FRAME WIDTH - 10.594

2 CLAD DOUBLE INSWING FRENCH DOOR TRANSOM (CAFDTI) WITH 6 1/2" STILES

L = ACTUAL FRAME WIDTH - 14.219

CLAD SINGLE INSWING FRENCH DOOR SDLT (CAFDI), ENTRY DOOR SDLT (CAEDI) & DIRECT GLAZED SDLT (CADGS) - PANEL STOP

L = ACTUAL FRAME WIDTH - 2.032

CLAD DOUBLE FRENCH DOOR (CAFDI) WITH 4 11/16" STILES

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 10.156

CLAD DOUBLE FRENCH DOOR (CAFDI) WITH 6 1/2" STILES

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 13.781

CLAD FRENCH DOOR SIDELITE (CAFDI SDLT, CAFDO SDLT) & TRANSOM (CAFDTI) WITH 2 3/4" STILES

L = ACTUAL FRAME WIDTH - 6.781

CLAD SINGLE OUTSWING FRENCH DOOR (CAFDO), SIDELITE (CAFDO SDLT), & TRANSOM (CAFDTO) WITH 4 11/16" STILES

L = ACTUAL FRAME WIDTH - 10.656

CLAD SINGLE OUTSWING FRENCH DOOR (CAFDO), SIDELITE (CAFDO SDLT), & TRANSOM (CAFDTO) WITH 6 1/2" STILES

L = ACTUAL FRAME WIDTH - 14.281

CLAD DOUBLE OUTSWING FRENCH DOOR (CAFDO) WITH 4 11/16" STILES

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 10.187

2 CLAD DOUBLE OUTSWING FRENCH DOOR (CAFDO) WITH 6 1/2" STILES

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 13.812

CLAD FRENCH SLIDING DOOR (CFSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 7.531

CLAD FRENCH SLIDING SIDELITE (CFSDSL)

L = (ACTUAL FRAME WIDTH - 10.468

CLAD BI-PARTING FRENCH SLIDING DOOR (CFSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 4) - 7.218

CLAD SLIDING PATIO DOOR (CSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 4.468

CLAD SLIDING PATIO DOOR SIDELITE (CSDSL)

L = (ACTUAL FRAME WIDTH - 6.593

CLAD BI-PARTING SLIDING PATIO DOOR (CSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 4) - 4.156

WOOD SINGLE FRENCH DOOR (WHDVI, WHDFI, WHDVO, WHDFO) & TRANSOMS (W/ WIDE STILES) (WHDTI, WHDTO)

L = ACTUAL FRAME WIDTH - 10.656

WOOD DOUBLE FRENCH DOOR (WHDVI, WHDVO)

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 10.156

WOOD INSWING FRENCH DOOR TRANSOM (WHDTI) & SIDELITE (WHDFI) - PANEL STOP

L = ACTUAL FRAME WIDTH - 2.218

WOOD FRENCH DOOR SIDELITE (WHDFI, WHDFO) & TRANSOMS (W/ NARROW STILES) (WHDTI, WHDTO)

L = ACTUAL FRAME WIDTH - 6.531

WOOD OUTSWING FRENCH DOOR TRANSOM (WHDTO) & SIDELITE (WHDFO) - PANEL STOP

L = ACTUAL FRAME WIDTH - 3.468

WOOD FRENCH SLIDING DOOR (WFSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 7.593

WOOD FRENCH SLIDING SIDELITE (WFSDSL)

L = ACTUAL FRAME WIDTH - 10.843

WOOD BI-PARTING FRENCH SLIDING DOOR (WFSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 4) - 7.281

WOOD SLIDING PATIO DOOR (WSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 2) - 4.531

WOOD SLIDING PATIO DOOR SIDELITE (WSDSL)

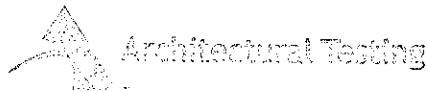
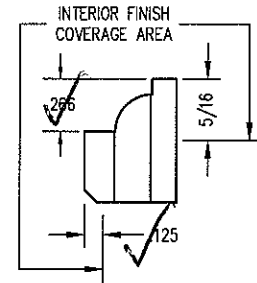
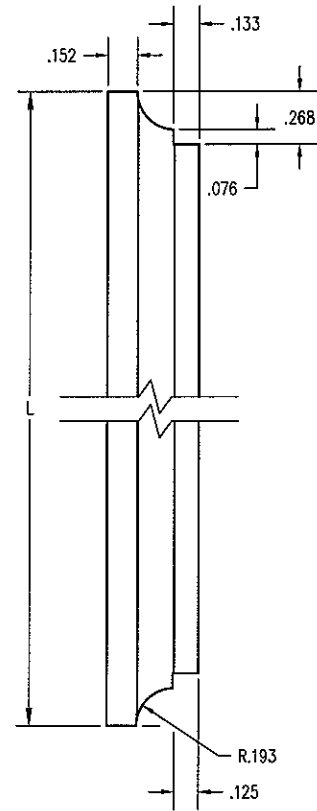
L = ACTUAL FRAME WIDTH - 6.656

WOOD BI-PARTING SLIDING PATIO DOOR (WSD)

L = (ACTUAL FRAME WIDTH DIVIDED BY 4) - 4.218

DIRECT GLAZED TRANSOM & SIDELITE (H.P. & ADJ.) (DGU)

L = ACTUAL FRAME WIDTH - 2.218




Test sample complies with these details.
 Conditions are noted.

Report# 68746
 Date 11-10-06 Tech JEB

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 TITLE: COLONIAL GLASS STOP
 (DOORS) HORIZONTAL PART
 FINISH:
 MATL:

02	ADD FORMULA FOR 6 1/2" STILE	KJS	813A	102/24/06	DFT:	JMH	SCALE: 1=1
01	CHGD CLAD DOOR DLO OPENINGS	TWN	0794	4/11/05	DCN:	0650	DRWG: 220N
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 5/29/2002	C	01 OF 02

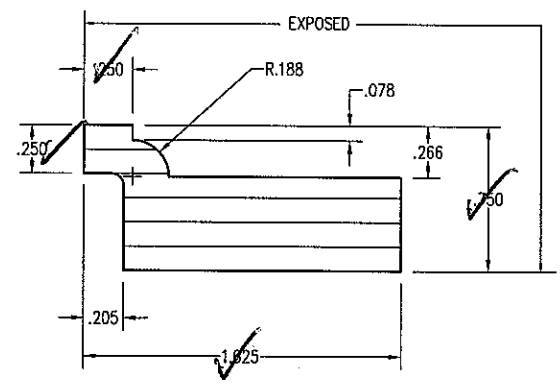


Architectural Testing

Test sample construction with these details.
 Penetration test noted.

Report# 68746
 Date 11-10-06 Tech JEB

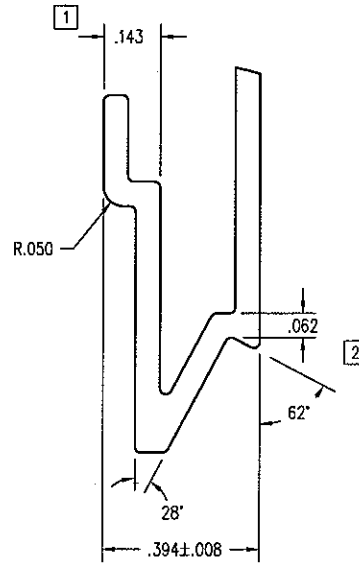
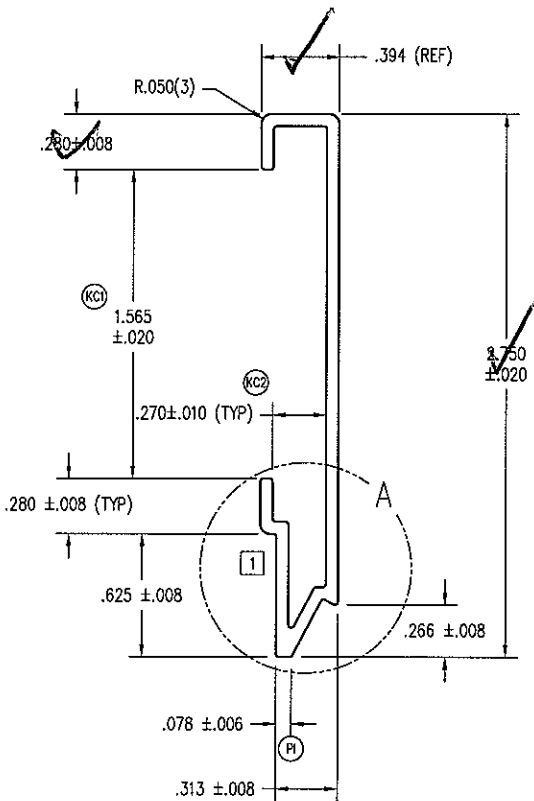
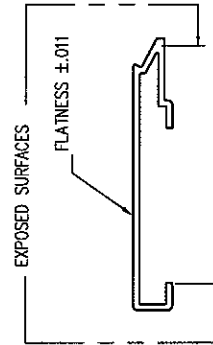
Note:1 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC./± .005, FRACTION ±/− 1/64, ANGLES ±/− 1/2.



01	ADDED PAGE 04	RDA	0946	10/16/2006
NO	Description of Change	Drafter	DCN#	Date
	TRANSOM/RADIUS PANEL STOP			
	Finish:	Material EAGLE'S STD. WOOD OFFERINGS		
Scale: 2=1		Date: 10/16/06	REVISION: 224B	
Drafter: RDA		DCN# 0946	01 of 02	

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- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.
 2. WALL THICKNESS TO BE .062 UNLESS OTHERWISE SPECIFIED.
 3. ALL CORNERS TO BE .015 UNLESS OTHERWISE SPECIFIED.
 4. AREA = .270 SQ. IN.



DETAIL A
SCALE: 2 = 1



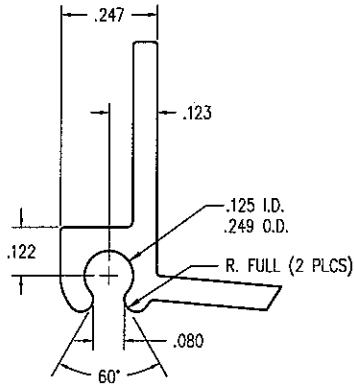
Test sample complies with these details.
Deviations are noted.

Report# 68746
Date 11-10-06 Tech JES

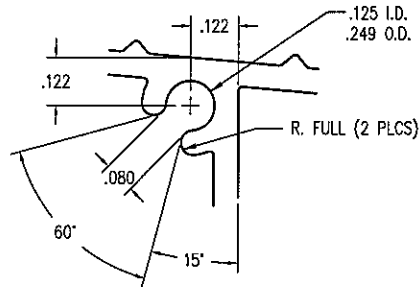
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 TITLE: 2 3/4" PANEL CLADDING INTERLOCK FIT
 FINISH: EAGLE'S STD. COLORS
 MATL: 6063 T-6 ALUMINUM

02	REVISED NOSING PROFILE	TWN	PRE	5/06/05	DFT:	AWW	SCALE: 1=1
01	IRMYD SEMI-HOLLOW LEG	AWW	PRE	8/20/03	DCN:	0736	DRWG: A61N
NO	DESCRIPTION	DFT	DOC	DATE	DATE:	8/15/2003	C 01 OF 03

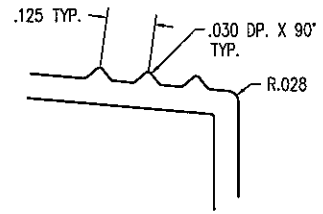
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.
 2. UNLESS OTHERWISE SPECIFIED WALL THICKNESS TO BE .062.
 3. ALL RADII NOT DIMENSIONED TO BE .010
 4. AREA = 0.4707 SQ. IN.
 5. DARK BRONZE ANODOZED PART # 80403, MILL PART # M7298.



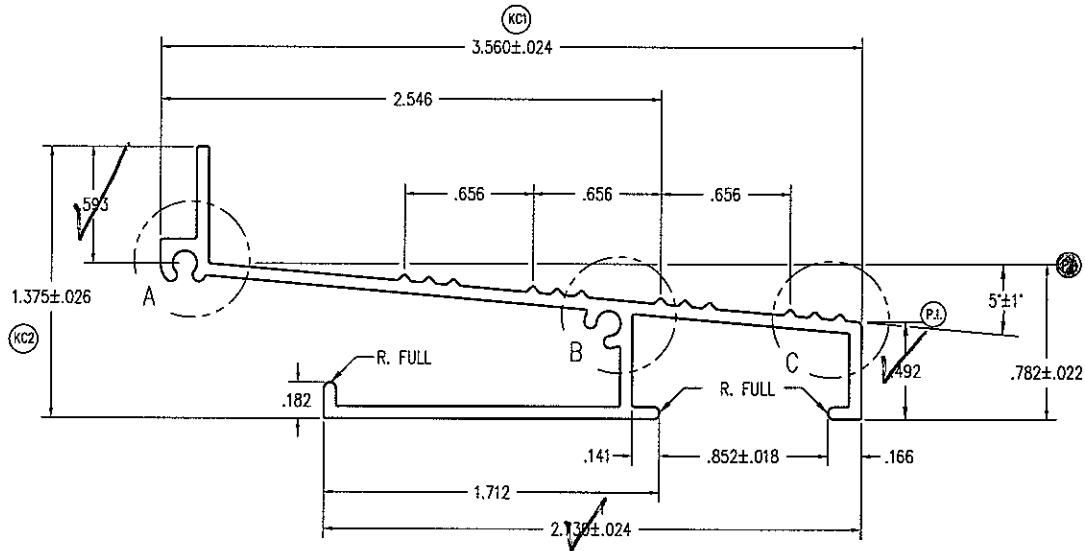
DETAIL A
2 X



DETAIL B
2 X



DETAIL C
2 X



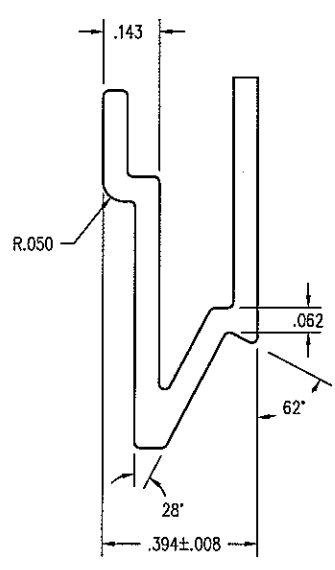
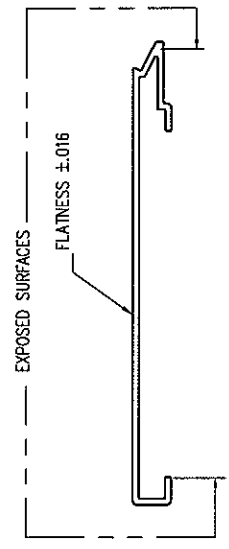
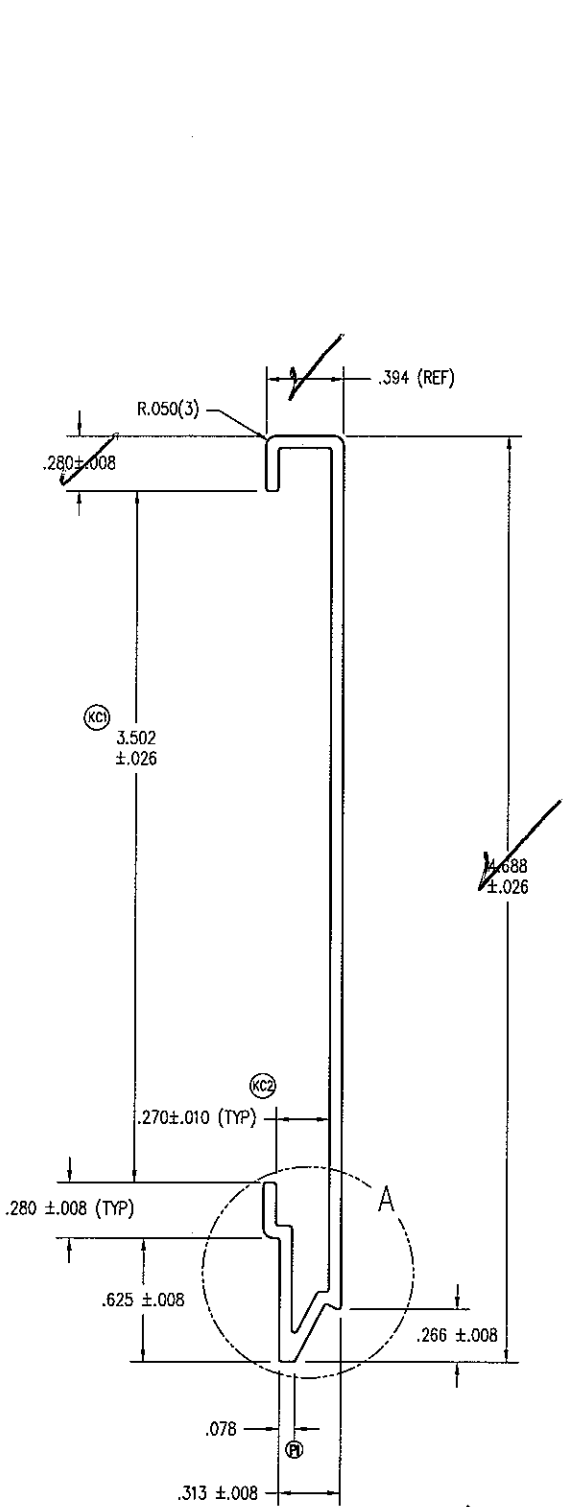
Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 68746
 Date 11-10-06 Tech JEB

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TITLE: OUTSWING SILL EXTRUSION	
FINISH: MILL OR DARK BRONZE ANODOZED	
MATERIAL: ALUMINUM	
DFT: tnies	SCALE: 1=1
DCN: 0836	DRWG: A477
NO	DESCRIPTION
DFT	DOC
DATE	DATE: 2/23/2005
	C 01 OF 03

- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.
 2. WALL THICKNESS TO BE .062 UNLESS OTHERWISE SPECIFIED.
 3. ALL CORNERS TO BE .015 UNLESS OTHERWISE SPECIFIED.
 4. AREA = .390 SQ. IN.



DETAIL A
SCALE: 2 = 1

Architectural Testing

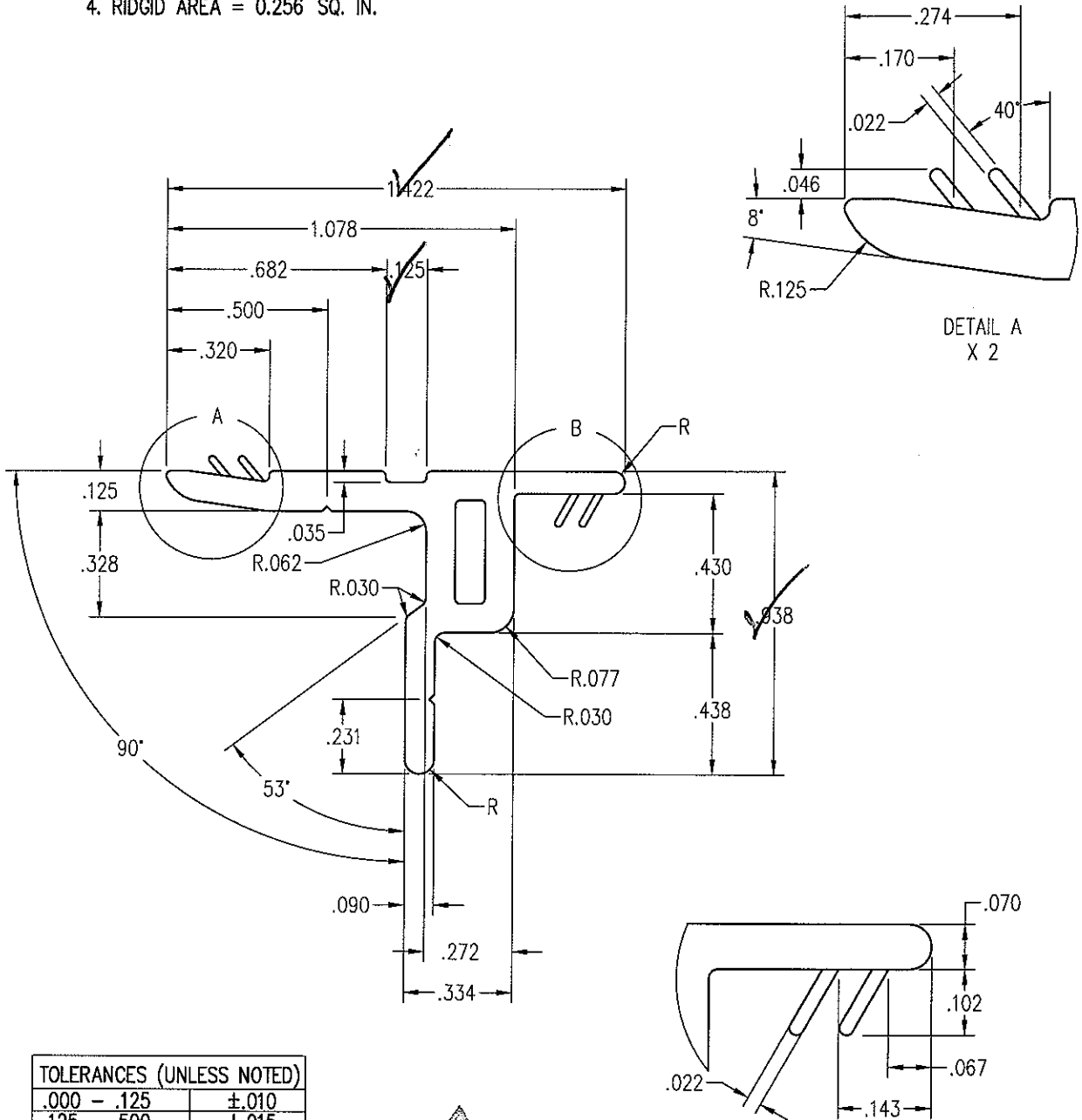
Test sample complies with these details.
Deviations are noted.

Report# 68746
Date 11-10-06 Tech JEB

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TITLE: 4 11/16" PANEL CLADDING INTERLOCK FIT	
FINISH: EAGLE'S STD. COLORS	
MATERIAL: 6063 T-6 ALUMINUM	
DFT: AWW	SCALE: 1=1
DCN: 0794	DRWG: A613
DATE: 7/14/2003	C 01 OF 03

NO	DESCRIPTION	DFT	DOC	DATE

- Note: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.
2. ALL WALL THICKNESS TO BE .090 UNLESS OTHERWISE SPECIFIED.
3. ALL UNSPECIFIED RADII TO BE .015.
4. RIDGID AREA = 0.256 SQ. IN.



TOLERANCES (UNLESS NOTED)	
.000 - .125	±.010
.125 - .500	±.015
.500 - 2.00	±.020
2.00 - 4.00	±.030
4.00 - 5.00	±.040
WALLS	±.005
ANGLES	±3°



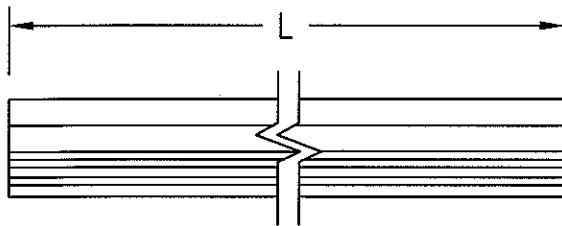
Architectural Testing
DETAIL B X 2

Test sample complies with these details.
Deviations are noted.

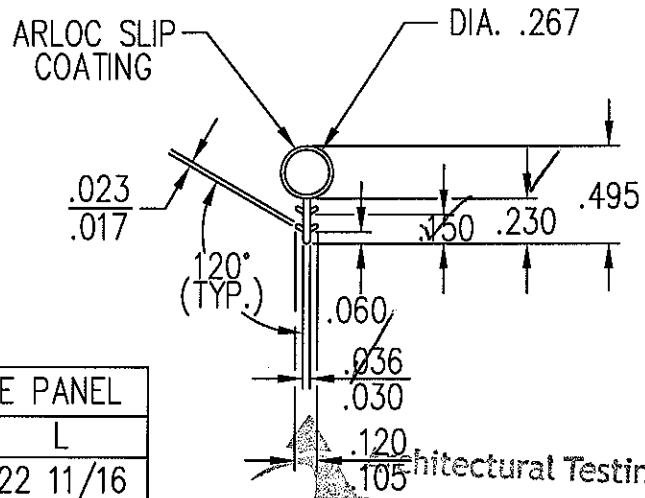
Report# 68746
Date 11-10-06 Tech JEB

NO	Description of Change	Drafter	DCN#	Date
	Title: OUTSWING SIDELITE / TRANSOM SHIM	Finish: BEIGE	Material: RIGID PVC (DUAL DUROMETER LEGS)	
Scale: 2"=1"	Date: 2/24/2005	THIS DRAWING AND ITS CONTENTS ARE THE PROPERTY OF EAGLE WINDOW & DOOR. NO USE OR REPRODUCTION OF THE CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR.		REVISION: A692 0 01 of 03
Drafter: tnies	DCN# 0836			

- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. $\pm .005$; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.
2. APPROVED VENDOR: INTEK, PART #50135A.
3. .023/.017 TYP. WALL FLEX. .036/.030 TYP. WALL RIGID.
4. CHDVO, WHDVO, SINGLE PANEL: $L = \text{FRAME WIDTH} - 1.812$.
 CHDVO, ACTIVE PANEL: $L = (\text{FRAME WIDTH} / 2) - 1.343$.
 CHDVO, INACTIVE PANEL: $L = (\text{FRAME WIDTH} / 2) - .593$.
 WHDVO, ACTIVE PANEL: $L = (\text{FRAME WIDTH} / 2) - 1.312$.
 WHDVO, INACTIVE PANEL: $L = (\text{FRAME WIDTH} / 2) - .562$.
5. SIDE JAMB FOR CLAD & WOOD SLIDING DOORS ($L = \text{FRAME WIDTH} - 3$).



4



Architectural Testing
 Test sample complies with these details.
 Deviations are noted.

Report# 65746

Date 11-10-06

JEB

CLAD & WOOD SLIDING DRS.	
FRAME HEIGHT	L
80	77
82	79
96	93

CHDVO, ACTIVE PANEL	
FRAME WIDTH	L
24 1/2	22 11/16
30 1/2	28 11/16
32 1/2	30 11/16
36 1/2	34 11/16
48 1/16	22 11/16
60 1/16	28 11/16
64 1/16	30 11/16
72 1/16	34 11/16

WHDVO, ACTIVE PANEL	
FRAME WIDTH	L
24 1/2	22 11/16
30 1/2	28 11/16
32 1/2	30 11/16
36 1/2	34 11/16
48	22 11/16
60	28 11/16
64	30 11/16
72	34 11/16

CHDVO, INACTIVE PANEL	
FRAME WIDTH	L
48 1/16	23 7/16
60 1/16	29 7/16
64 1/16	31 7/16
72 1/16	35 7/16

WHDVO, INACTIVE PANEL	
FRAME WIDTH	L
48	23 7/16
60	29 7/16
64	31 7/16
72	35 7/16

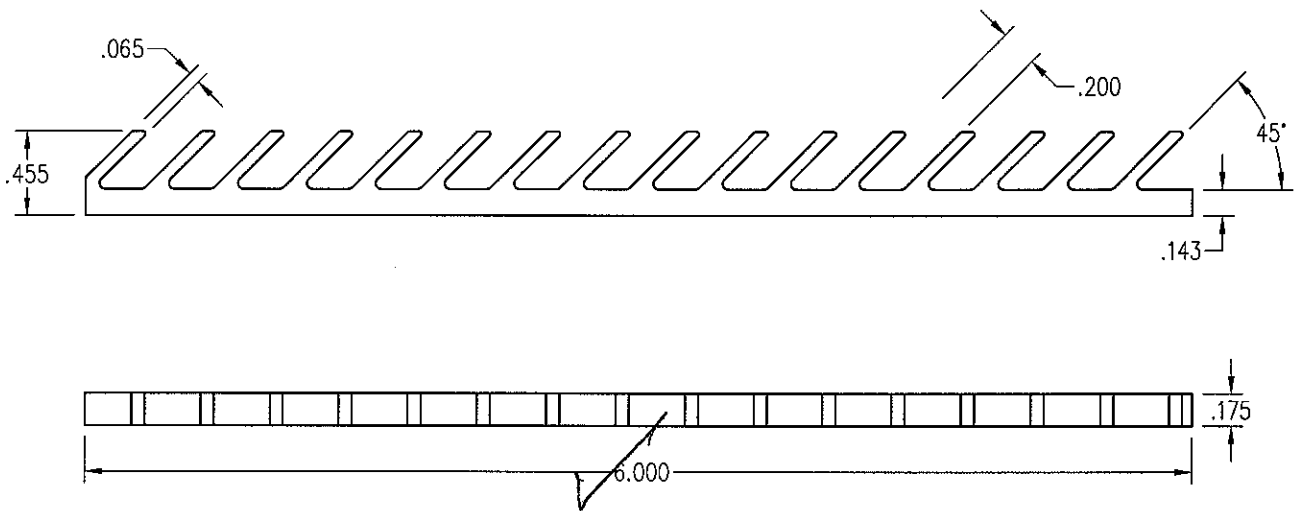
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TITLE: ARLOC BULB WEATHERSTRIP

FINISH:

05	CHANGED TO PAGE 01 OF 04	RJW	0640	10/1/2003		
04	CHG'D SINGLE O/S DOOR WIDTH	TWN	0632	11/30/2000	MATL:	PPR
03	ADDED PAGES/REMOVED CHARTS	TWN	0486	4/9/2001		PROPYLENO/ETHYLONE COPOLYMER
02	ADDED SLIDING DR CHART	MJP	0444	4/3/2000	DFT:	TWN
01	ADDED 6-10 DOOR HGT.	MJP	0243	8/13/1997	DCN:	0231
NO	DESCRIPTION	DFT	DOC	DATE	DATE:	1/16/1996
					SCALE:	1=1
					DRWG:	A283
					A	01 OF 04

Note:1 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 68746
Date 11-10-06 Tech JEB

NO	Description of Change	Drafter	DCN#	Date
Title: PANEL WEDGE	Finish: BLACK	Material: ST NYLON		
Scale: 1"=1"	Date: 5/9/2005	THIS DRAWING AND ITS CONTENTS ARE THE PROPERTY OF EAGLE WINDOW & DOOR. NO USE OR REPRODUCTION OF THE CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR.		REVISION: 0
Drafter: aweldin	DCN# 0736			A699 01 of 01