

**AAMA/WDMA/CSA
TEST REPORT**

Rendered to:

EAGLE WINDOW & DOOR, INC.

SERIES/MODEL: 6-7 x 8-5 5/16 Series 05 Clad Ascent Outswing French Door

PRODUCT TYPE: Aluminum Clad Outswing French Double Door

Title	Summary of Results
101/I.S.2.NAFS-02	HGD-C40 2007 x 2573 (79 x 101)
AAMA/WDMA/CSA 101/I.S.2/A440-05	SHD-C40 2007 x 2573 (79 x 101)
AAMA/WDMA/CSA 101/I.S.2/A440-08	LC-PG40-SHD 2007 x 2573 (79 x 101)
Design Pressure	1920 Pa (40.0 psf)
Air Infiltration	0.25 L/s/m ² (0.05 cfm/ft ²)
Water Penetration Resistance Test Pressure	440 Pa (9.0 psf)
Uniform Load Structural Test Pressure	±2880 Pa (±60.0 psf)
Forced Entry Resistance	Pass

Test Completion Date: 06/30/08

Reference must be made to Report No. 82756.01-201-44 dated 07/09/08 for complete test specimen description and data.



Architectural Testing

AAMA/WDMA/CSA TEST REPORT

Rendered to:

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

Report No.: 82756.01-201-44
Test Date: 05/06/08
Through: 06/30/08
Report Date: 07/09/08
Expiration Date: 05/06/12

Project Summary: Architectural Testing, Inc. was contracted by Eagle Window & Door, Inc. to perform testing on a 6-7 x 8-5 5/16 Series 05 Clad Ascent Outswing French Door, Aluminum Clad Outswing French Double Door in Architectural Testing, Inc. test facility in St. Paul, Minnesota. The sample tested successfully met the performance requirements per 101/I.S.2.NAFS-02 to an HGD-C40 2007 x 2573 (79 x 101) rating; per AAMA/WDMA/CSA 101/I.S.2/A440-05 to a SGD-C40 2007 x 2573 (79 x 101) rating and per AAMA/WDMA/CSA 101/I.S.2/A440-08 to a LC-PG40-SHD 2007 x 2573 (79 x 101) rating. Test specimen description and results are reported herein.

Test Specifications: The test specimen was evaluated in accordance with:

101/I.S. 2/NAFS-02, *Voluntary Performance Specification for Windows, Skylights and Glass Doors.*

AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors and Unit Skylights.*

AAMA/WDMA/CSA 101/I.S.2/A440-08, *Standard/Specification for Windows, Doors and Unit Skylights.*

Test Specimen Description:

Series/Model: 6-7 x 8-5 5/16 Series 05 Clad Ascent Outswing French Door

Product Type: Aluminum Clad Outswing French Double Door

Overall Size: 2007 mm (79") wide by 2573 mm (101-5/16") high

Active Panel Size: 970 mm (38-3/16") wide by 2519 mm (99-3/16") high

Passive Panel Size: 970 mm (38-3/16") wide by 2519 mm (99-3/16") high

Overall Area: 5.2 m² (55.5 ft²)

Test Specimen Description: (Continued)

Finish: Interior wood was natural and the exterior aluminum cladding was white.

Frame Construction: The frame was comprised of aluminum extrusions slip-fit over wood side and head jambs. At the head, the aluminum frame joints were mitered, sealed with silicone and secured by a corner key. The wood jambs were sealed with silicone and fastened with three #8 by 44 mm (1-3/4") screws per corner. The sill was comprised of an aluminum extrusion slip-fit over a polyethylene / wood fiber composite material with an oak threshold. The sill was butted to the side jamb, sealed with silicone and fastened with three #8 by 44 mm (1-3/4") screws per corner.

Panel Construction: The wood stiles and rails were joined by two 19 mm (3/4") by 102 mm (4") hardwood dowels. Extruded aluminum cladding was square-cut and butted at the corners, sealed with butyl tape or silicone and secured with a corner key. The astragal assembly was sealed with silicone and fastened to the inactive panel with six #7 by 32 mm (1-1/4") screws and six #8 by 51 mm (2") screws.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
6 mm (1/4") diameter hollow bulb	1 Row	Top of rail
Schlegal leaf seal	1 Row	Perimeter of frame and astragal

Glazing Details: The window utilized a nominal 19 mm (3/4") thick insulating glass fabricated from two sheets of nominal 3.1 mm (1/8") tempered glass separated by an aluminum spacer system. The glass was set from the interior against hot melt silicone. Wood glazing stops with single sided adhesive foam tape were utilized on the interior and secured with 32 mm (1-1/4") brads spaced 25 mm (1") from each corner and 152 mm to 203 mm (6" to 8") on center.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Hinges	8	305 mm (12") from bottom of sill and spaced 610 mm (24") on center (4 per panel)
3-pt. Lock assembly and dead bolt with handle	1	Active panel 305 mm (12") from edge of panel and dead bolt at 914 mm (36") from bottom
Latch and deadbolt strike	1	Lock jamb

Test Specimen Description: (Continued)

Installation: The test unit was installed within a double wood test buck. The unit was secured through head strike plate with two #8 by 64 mm (2-1/2") screws and through the sill with two #8 by 54 mm (2-1/8") screws. Two #10 by 64 mm (2-1/2") screws were utilized through each hinge into test buck.

Test Results: The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
--	Force to Latch Side-Hinged Door System per ANSI/BHMA A156.2		
5.3.1.2	Force to latch	62 N (14.0 lbf)	Report only
5.3.1.2	Deadbolt	31 N (7.0 lbf)	100 N (22.5 lbf) max.
5.3.2	Air Infiltration per ASTM E 283		
5.3.2	75 Pa (1.57 psf, 25 mph)	0.25 L/s/m ² (0.05 cfm/ft ²)	1.5 L/s/m ² (0.30 cfm/ft ²) max.
5.3.2	300 Pa (6.24 psf, 50 mph)	0.66 L/s/m ² (0.13 cfm/ft ²)	-- --

Note #1: *The tested specimen meets (or exceeds) the performance levels specified in 101/I.S.2/NAFS-02, AAMA/WDMA/CSA 101/I.S.2/A440-05 and AAMA/WDMA/CSA 101/I.S.2/A440-08 for air infiltration.*

5.3.3	Water Penetration Resistance per ASTM E 547		See Note #2
5.3.3			
5.3.3			
5.3.4.1	Uniform Load Deflection per ASTM E 330		See Note #2
5.3.4.2			
5.3.4.2			
5.3.4.2	Uniform Load Structural per ASTM E 330		See Note #2
5.3.4.3			
5.3.4.3			

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

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.5	Forced Entry Resistance per AAMA 1304		
5.3.5	1330 N (300 lbf) point load		
5.3.5	Active Panel		
	Top lock stile corner	No entry	No entry
	Bottom lock stile corner	No entry	No entry
	Above lock	No entry	No entry
	Passive Panel		
	Top lock stile corner	No entry	No entry
	Bottom lock stile corner	No entry	No entry
	Above lock	No entry	No entry
--	Operation/Cycling Performance per AAMA 920		
5.3.6.10	250,000	Meets as stated	Meets as stated
5.3.6.10			
--	Vertical Loading Resistance per AAMA 925		
5.3.6.11	Pre-load - 200 N (45 lbf)		
5.3.6.11	Maximum vertical deflection	1.52 mm (0.06")	N/A
	Residual vertical deflection	<0.25 mm (<0.01")	N/A
	Test load - 675 N (150 lbf)		
	Maximum vertical deflection	4.06 mm (0.16")	N/A
	Residual vertical deflection	0.51 mm (0.02")	N/A
	Diagonal deformation	<0.25 mm (<0.01")	N/A
	Force to latch	62 N (14.0 lbf)	Report only

Optional Performance

4.2.2.5	Water Resistance per ASTM E 547 and E 331		
4.4.2.6	440 Pa (9.0 psf)	No leakage	No leakage
4.3.2			
4.2.2.5	Uniform Load Deflection per ASTM E 330		
4.4.2.6	(Loads were held for 60 seconds)		
4.3.2	(Deflections reported were taken on the astragal)		
	1920 Pa (40.0 psf) (positive)	22.35 mm (0.88")	See Note #3
	1920 Pa (40.0 psf) (negative)	26.67 mm (1.05")	See Note #3

Note #3: *The deflections reported are not limited by 101/I.S.2/NAFS-02, AAMA/WDMA/CSA 101/I.S.2/A440-05 or 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>
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Optional Performance (Continued)

4.2.2.5	Uniform Load Structural per ASTM E 330		
4.4.2.6	(Loads were held for 10 seconds)		
4.3.2	(Permanent sets reported were taken on the panel stile)		
	2880 Pa (60.0 psf) (positive)	0.76 mm (0.03")	7.62 mm (0.30") max.
	2880 Pa (60.0 psf) (negative)	3.05 mm (0.12")	7.62 mm (0.30") 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, Inc. and are representative of the test specimen reported herein.

List of Official Observers:

<u>Name</u>	<u>Company</u>
Tony D. Gavin	Architectural Testing, Inc.
Karl A. Lips-Eakins	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 (26)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	07/09/08	N/A	Original report issue. 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

Product Name: Ascent Series 05 Clad Outswing French Door Vent Double SP1
(as to be listed on CCL)

Product Type: Clad Hinged Door Vent

Additional Manufacturer ID #: _____

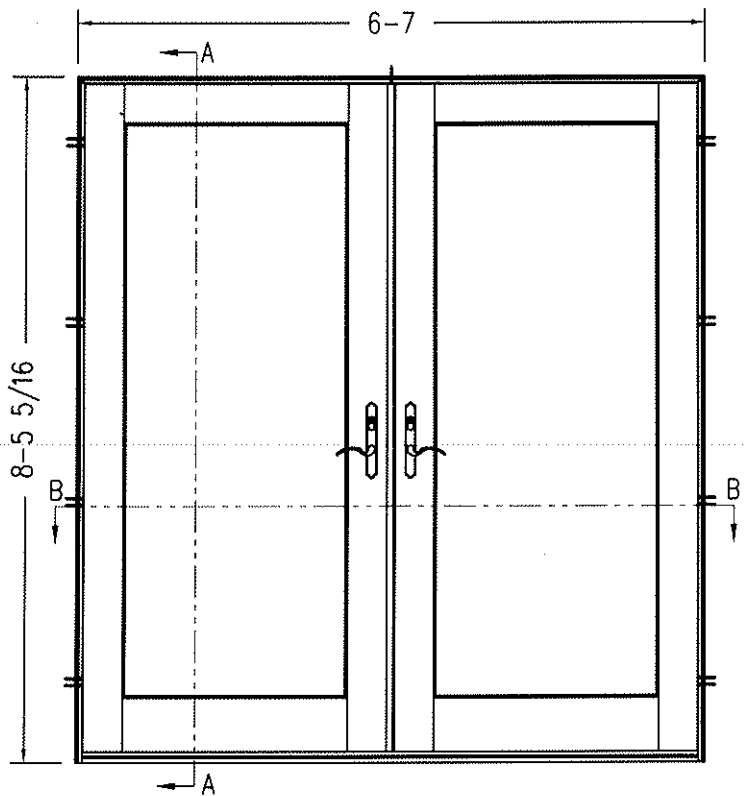
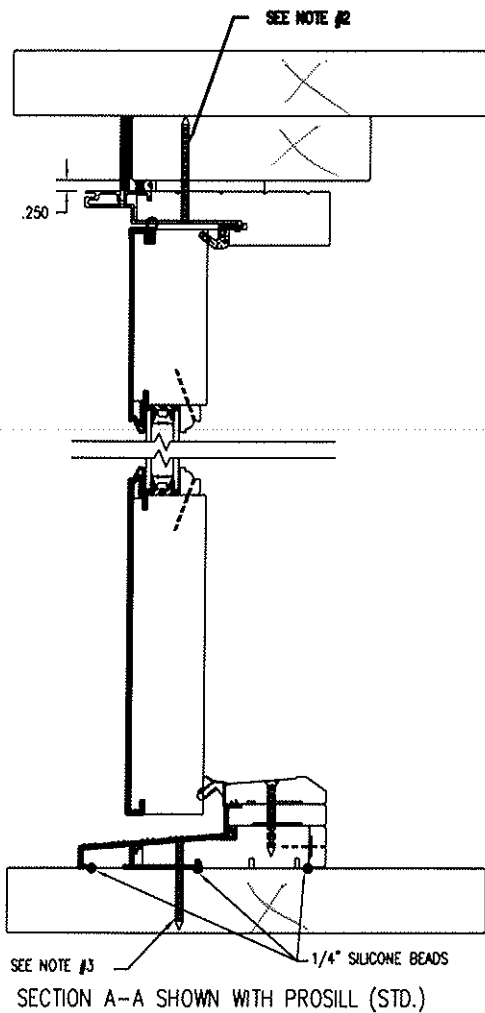
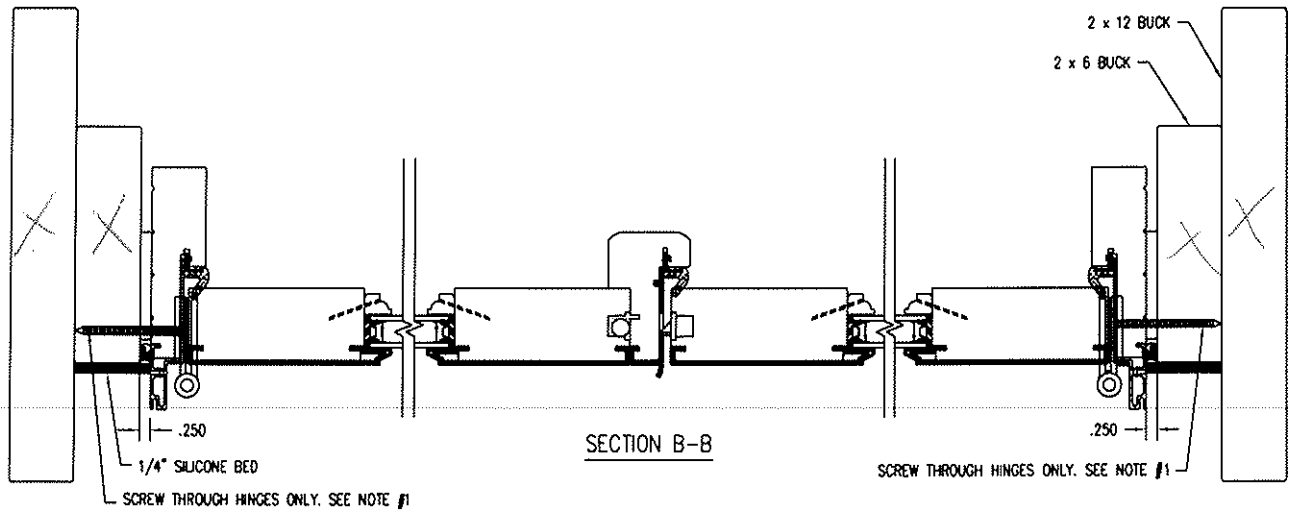
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<u>Hallmark CCL</u>	<u>Standard</u>	<u>Rating</u>
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Appendix C

Drawings

1. (8) #10 x 2 1/2" SCREWS THROUGH HINGES INTO BUCK. (2 PER HINGE, 8 TOTAL PER SIDE)
2. (2) #8 x 2 1/2" SCREWS THROUGH STRIKE PLATE INTO BUCK. (2 PER STRIKE PLATE)
3. (2) #8 x 2 1/8" SCREWS THROUGH STRIKE PLATE ON SILL INTO BUCK. (2 PER STRIKE PLATE)



 Architectural Testing

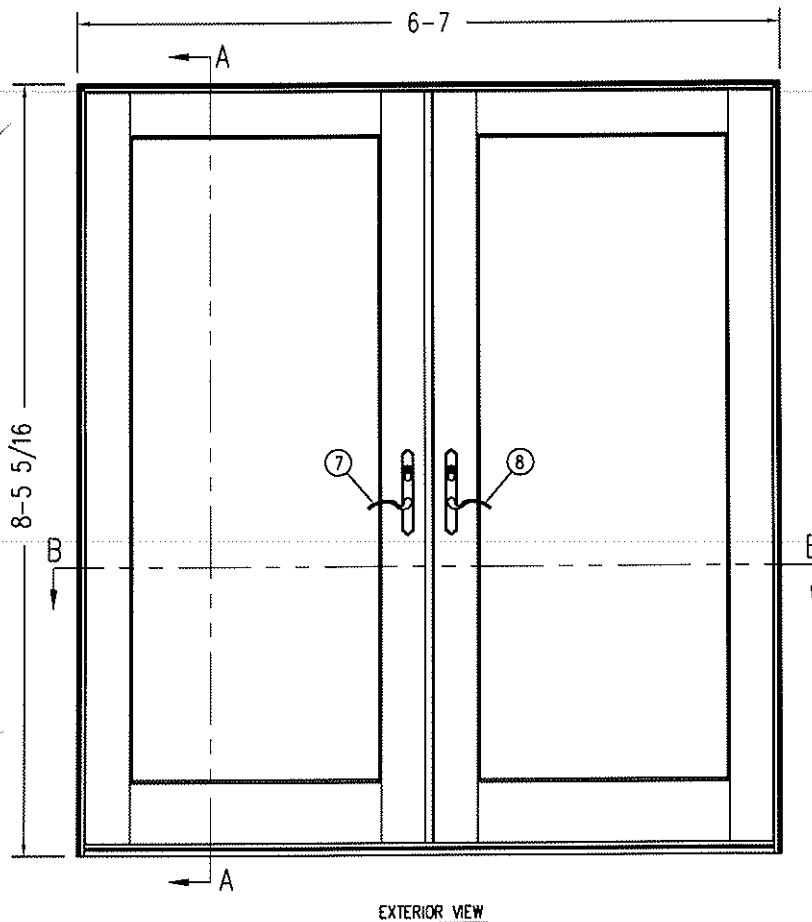
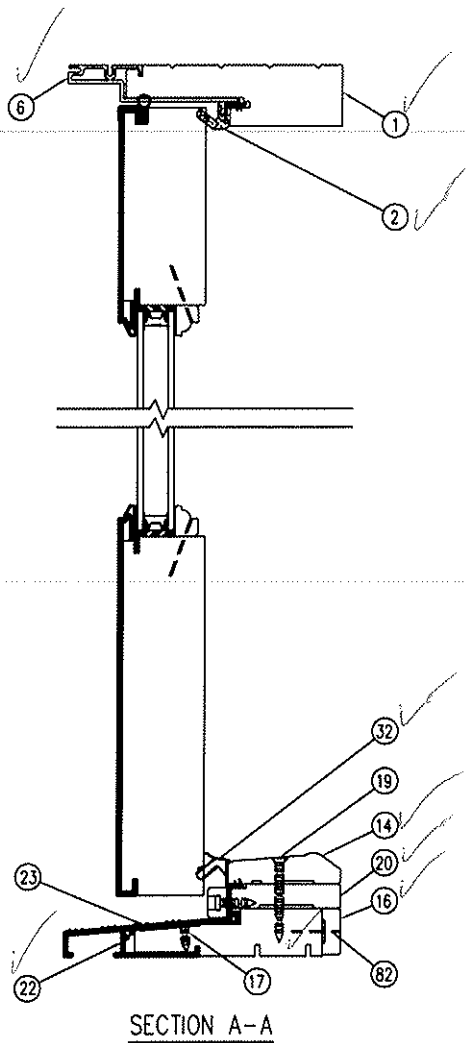
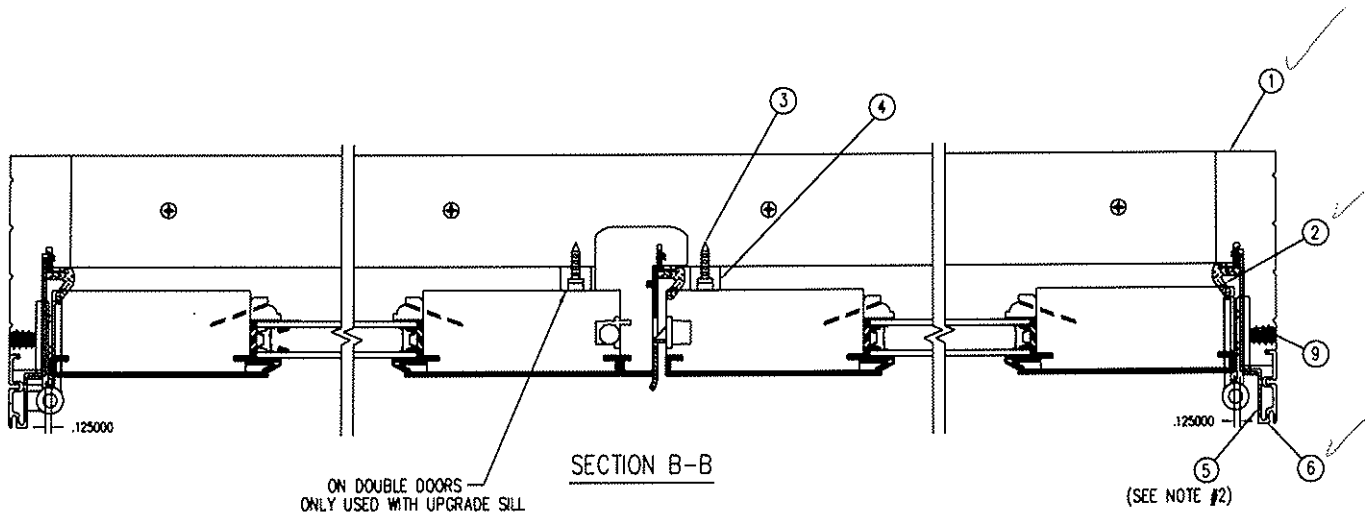
Test sample complies with these details.
Deviations are noted.

Report# 82756
Date 7-3-06 Tech DS

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DCN: 0710	DRWG: 056X
DATE: 4/1/08	C 01 OF 01

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. SEAL MARGIN AT SILL WITH 1/8" DIA BEAD OF SILICONE SEALANT.
 2. 1/8" BEAD OF SILICONE TO SEAL JOINT BETWEEN JAMB AND SILL.



Architectural Testing

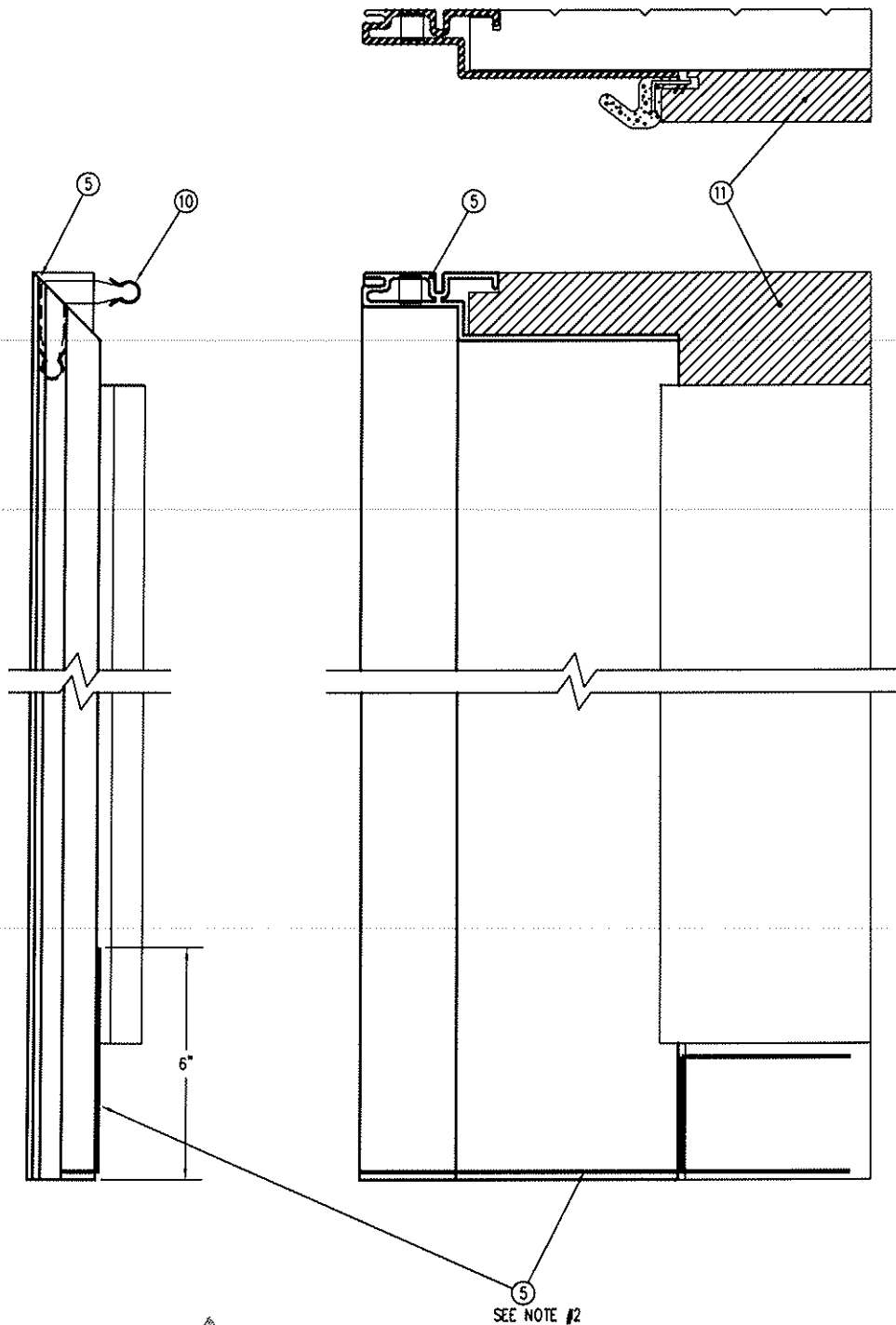
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MATL:	
DFT: A30188	SCALE: 1=4
DCN: 0836	DRWG: 0570
DATE: 4/21/08	C. 01 OF 10

NO	DESCRIPTION	DFT	DOC	DATE

1. INSERT CORNER KEYS AFTER APPLYING SILICONE SEALANT.
2. SILL TO JAMB SEALANT PATTERN, USE 3/16" DIA. BEAD OF SILICONE SEALANT.



Architectural Testing

Test sample complies with these details.
Deviations are noted.

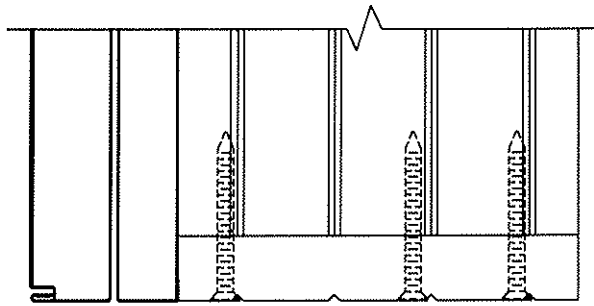
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Date 7-3-08 Tech DS

SEE NOTE #2

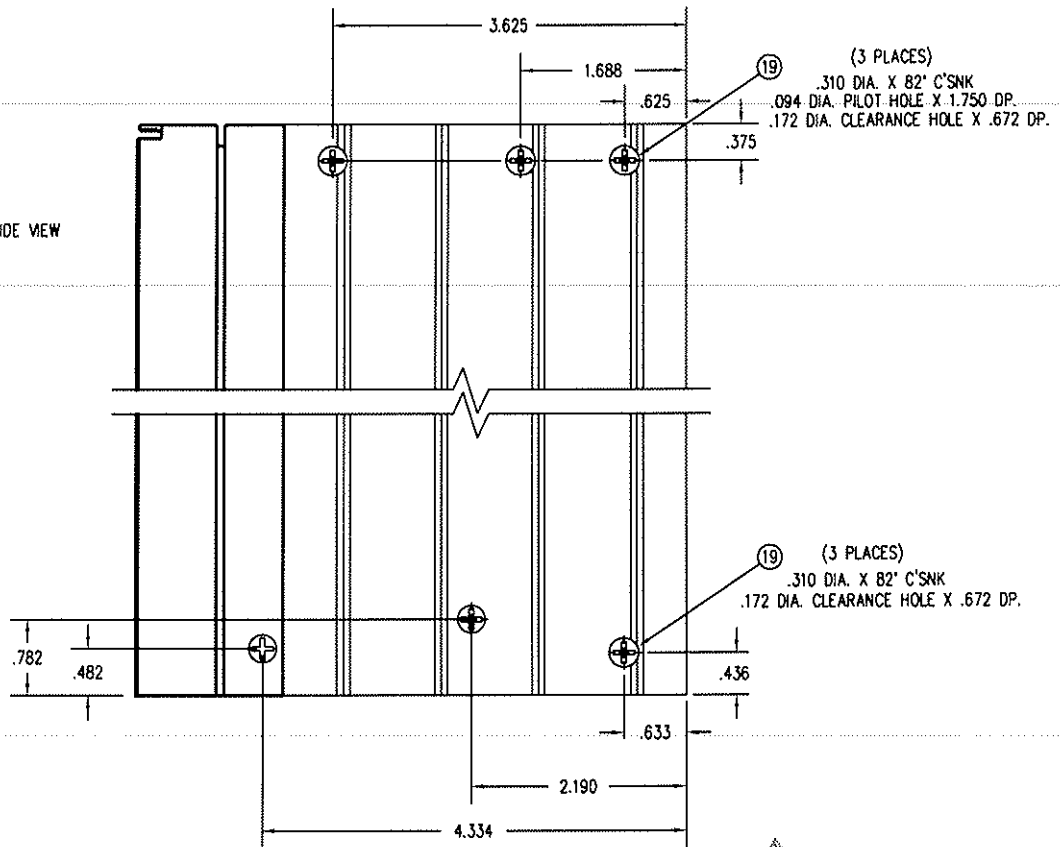
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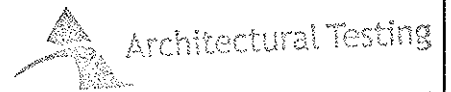
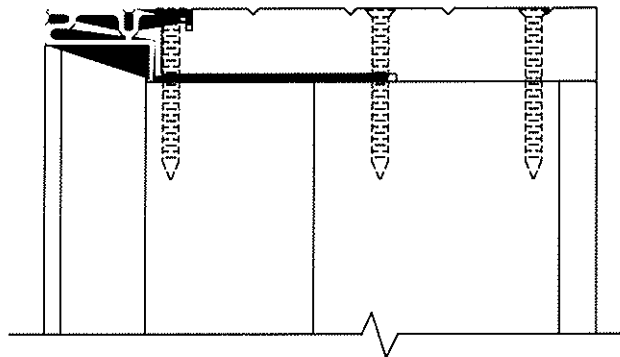
TOP VIEW



SIDE VIEW



BOTTOM VIEW



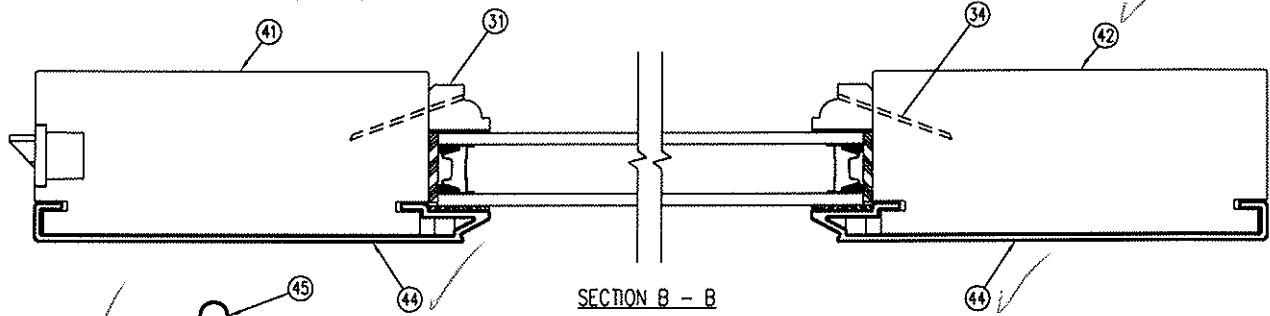
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Report# 82756
Date 7-3-08 Tech OS

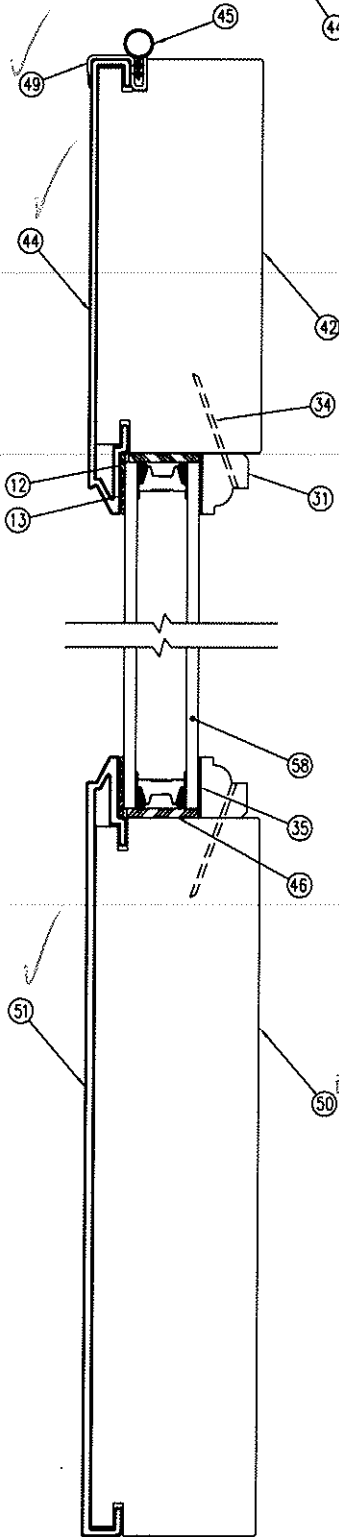
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MATERIAL:	
DFT: A30188	SCALE: 1=2
DCN: 0710	DRWG: 0570
DATE: 4/21/08	C 03

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. SILICONE OR BUTYL TAPE SEALANT MUST RUN ENTIRE LENGTH OF SEAM BETWEEN STILE AND RAIL CLADDING.
 2. APPLY SEALANT TO WRAP AROUND CORNER KEY



SECTION B - B

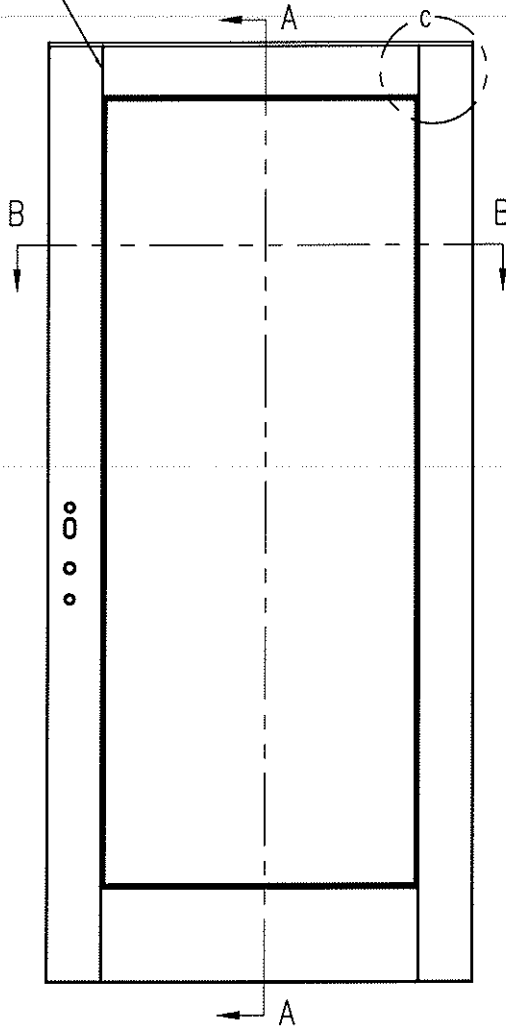


SECTION A - A

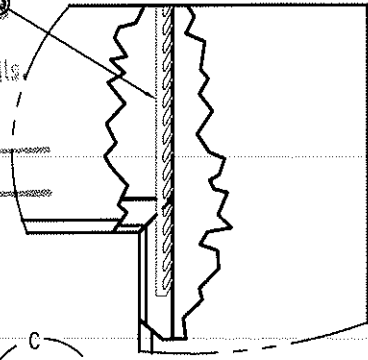
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 Deviations are noted.

Report# 82756
 Date 7-3-08 Tech NS

SEE NOTE #1



EXTERIOR VIEW

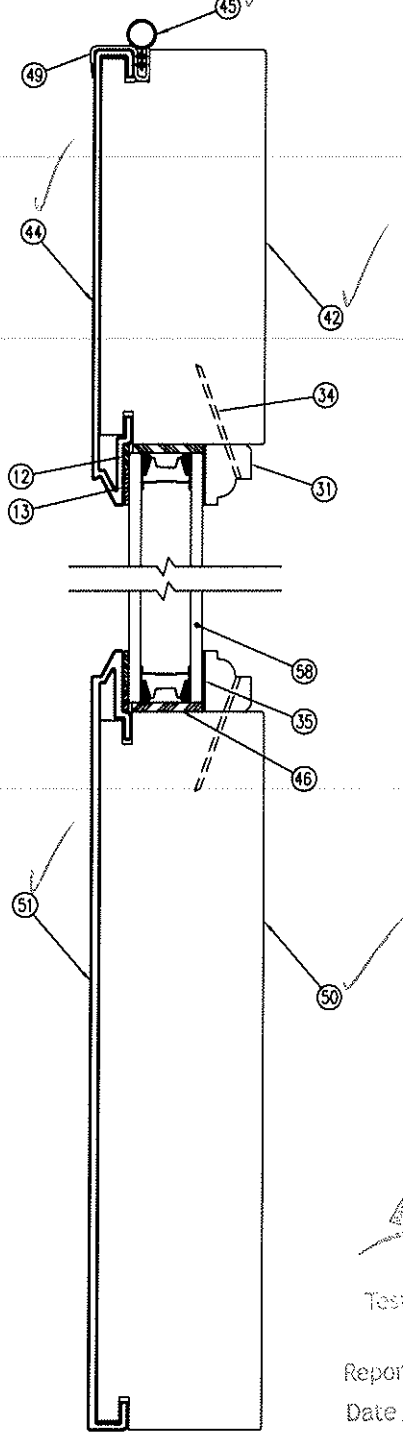
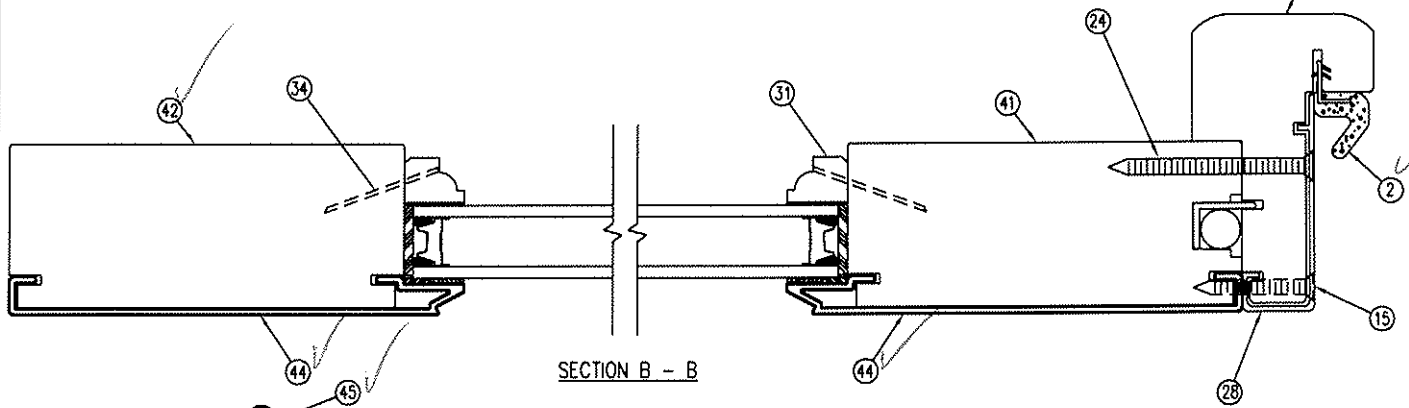


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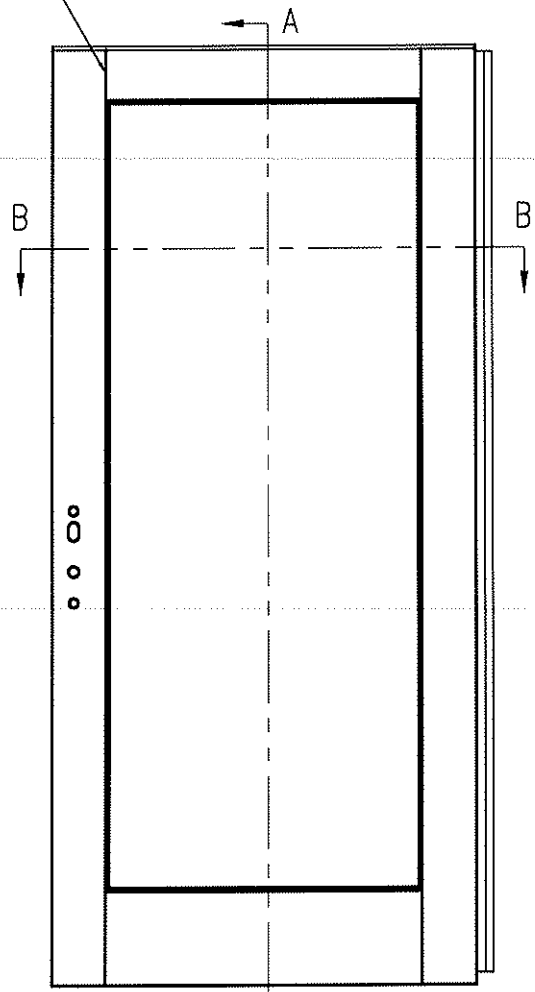
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NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. SILICONE OR BUTYL TAPE SEALANT MUST RUN THE ENTIRE LENGTH OF SEAM BETWEEN STILE AND RAIL CLADDING.



SEE NOTE #1



EXTERIOR VIEW



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 82756
Date 7-3-06 Tech DS

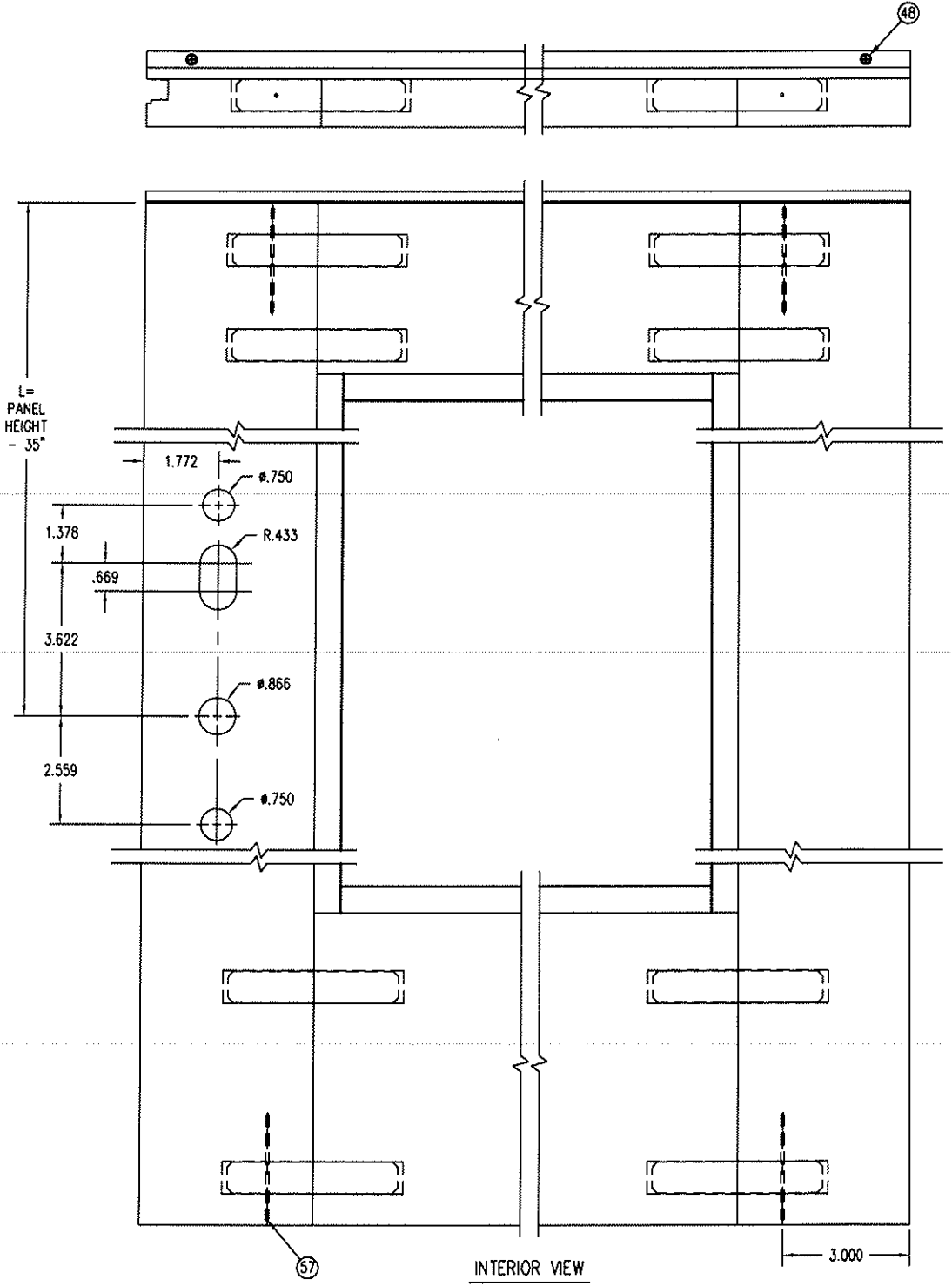
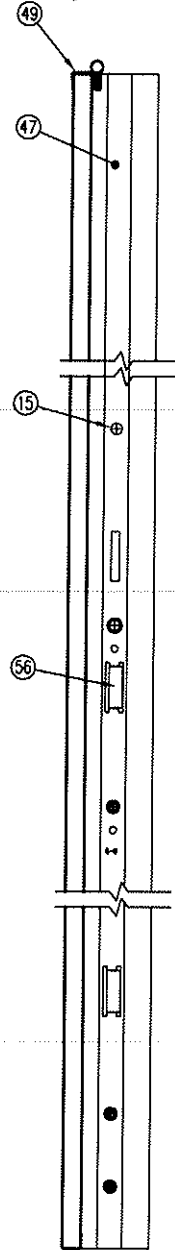
SECTION A - A

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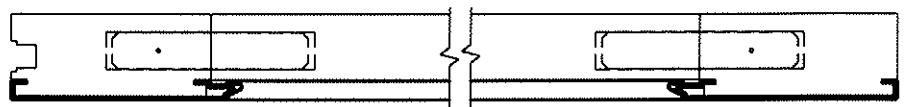
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NOTE: 1. A BEAD OF SILICONE SEALANT MUST BE APPLIED TO ENDS OF STILE CLADDING AND THE ENTIRE WIDTH OF PANEL BEFORE INSTALLING CAP.

SEE NOTE #1



INTERIOR VIEW



FRAME	PANEL	L
79 5/16	77 3/16	42 3/16
81 5/16	79 3/16	44 3/16
83 5/16	81 3/16	46 3/16
95 5/16	93 3/16	58 3/16



Architectural Testing

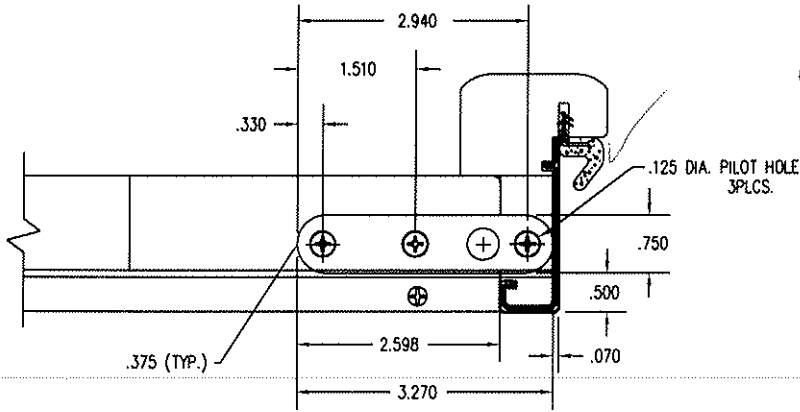
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Report# 82756
Date 7-30-08 Tech DS

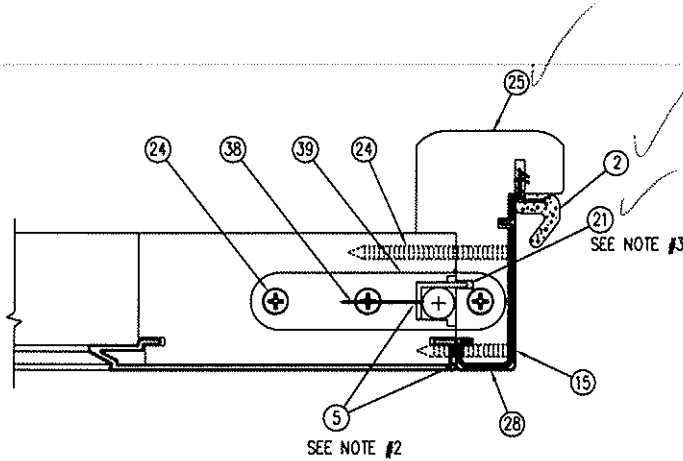
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FINISH:	
MATL:	
DFY: A30188	SCALE: 1=4
DCN: 0710	DRWG: 0570
DATE: 4/21/08	C 06

NO	DESCRIPTION	DFY	DOC	DATE

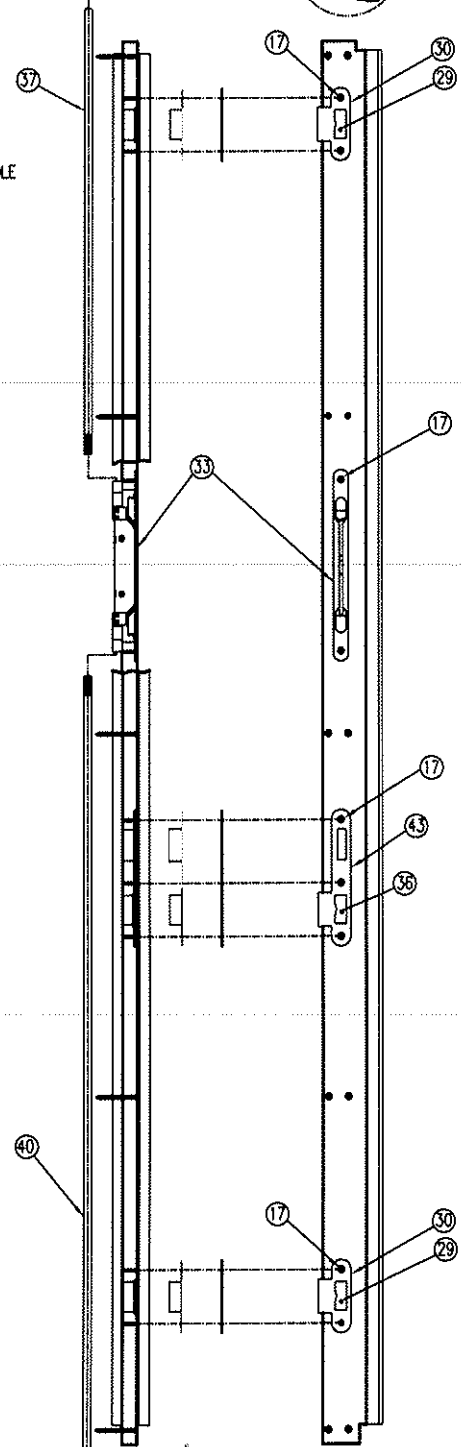
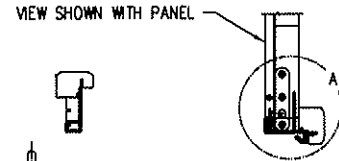
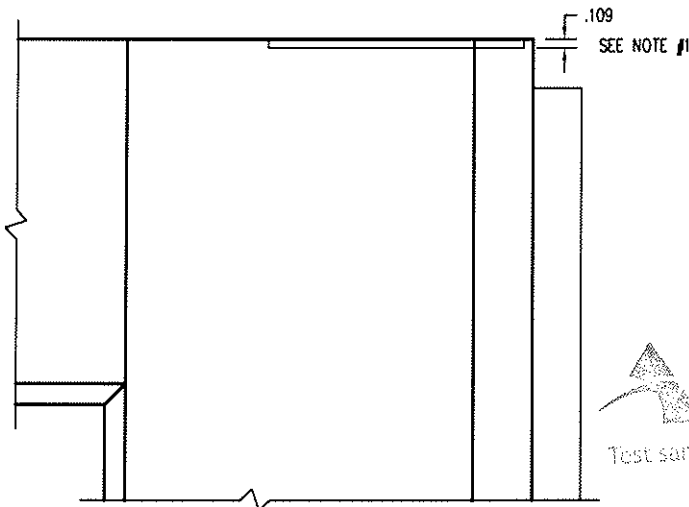
- NOTE: 1. SHOOT BOLT GUIDE ROUT IS THE SAME FOR THE BOTTOM & TOP OF PANEL, TOP ROUT SHOWN.
 2. A 1/16" DIA. BEAD OF SILICONE SEALANT IS TO BE APPLIED ON BOTH SIDES OF THE EURO-GROOVE AND IS TO RUN THE ENTIRE LENGTH OF THE ASTRAGAL.
 3. BRACKETS TO BE PLACED IN EURO-GROOVE AS SHOWN. ONE FLUSH WITH TOP AND ONE FLUSH WITH BOTTOM OF PANEL. SECURE IN PLACE WITH 1/16" BEAD OF SILICONE AND 2 BRADS.



DETAIL A
SCALE X4



DETAIL A
SCALE X4



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 82756
Date 7-3-08 Tech DS

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 EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR.

TITLE: CAEDO - DOUBLE DOOR
 INACTIVE PANEL ASSEMBLY

FINISH:
 MATL:

DFT:	A30188	SCALE:	NONE
DCN:	0710	DRWG:	0570
DATE:	4/21/08		C 08

NO	DESCRIPTION	DFT	DOC	DATE

NO.	DWG. NO.	PART DESCRIPTION	QUANTITY	MATERIAL	SUPPLIER
1	206X	JAMB	3	WOOD (FJ)	EAGLE WINDOW & DOOR
2	A62G	FRAME WEATHERSTRIP	3	URETHANE FOAM	SCHLEGEL
3	A50Y	#8 X 3/4" FHWS TEKS	2	STEEL	ABILITY FASTENERS
4	A335	RUBBER BUMPER	2	RUBBER	MCMASTER CARR
5	A030	SILICONE SEALANT	AS REQUIRED	SILICONE	DOW CORNING
6	A01A	SEALANT BUTYL TAPE	AS REQUIRED	BUTYL RUBBER	PTI INC.
7	A04B	JAMB CLADDING	3	ALUMINUM	BONNELL
8	A395	GU ACTIVE HANDLE ASSEMBLY	1	BRASS	FPL
9	A396	GU INACTIVE HANDLE ASSEMBLY	1	BRASS	FPL
10	A05X	#10-24 THREADED INSERT	6 OR 8	ZINC	ABILITY FASTENERS
11	A129	CORNER KEY O/S FD	2	ZINC	DECO PRODUCTS CO.
12	A08R	AQUA-CRYLIC SILICONIZED WHITE	AS REQUIRED	ACRYLIC SEALANT	SCHNEE-MOOREHEAD
13	A08K	GLAZING SHIM	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
14	A01A	SEALANT BUTYL TAPE	AS REQUIRED	BUTYL RUBBER	PTI INC.
15	21HD	OAK OUTSWING THRESHOLD	1	WOOD	EAGLE WINDOW & DOOR
16	A39W	#7 X 1 1/4" FHWS SS (Edge hardware to panel)	AS REQUIRED	STAINLESS STEEL	GU
17	21HC	OAK OUTSWING SILL TRIM LF	1	WOOD	EAGLE WINDOW & DOOR
18	A00R	#7 X 5/8" PFH TYPE A S.S.	AS REQUIRED	STAINLESS STEEL	ABILITY FASTENERS
19	A476	COMPOSITE O/S SUB-SILL	1	PLASTIC/WOOD	ICT
20	A02E	#8 X 1 3/4" FHWS Z & Y	AS REQUIRED	STEEL	ABILITY FASTENERS
21	21HE	OAK CAP FOR O/S SILL LF	1	WOOD	EAGLE WINDOW & DOOR
22	A307	SUPPORT BRACKET	1	ALUMINUM	BONNELL
23	A477	O/S FD SILL	1	ALUMINUM	BONNELL
24	A413	TYPE I & II STRIKE PLATE	1	STAINLESS STEEL	GU
25	A14A	#8 X 2" S.S. SCREW	6	STAINLESS STEEL	ABILITY FASTENERS
26	2078	O/S ASTRAGAL	1	WOOD	EAGLE WINDOW & DOOR
27	20A4	WOOD DOWEL	16	WHITE BIRCH	EXCEL DOWEL
28	A01D	WOOD ADHESIVE	AS REQUIRED	GOPOLYMER	NATIONAL STARCH
29	A28G	ASTRAGAL CLADDING	4	ALUMINUM	BONNELL
30	A47A	TOP & BOTTOM DUST CUP	2	NYLON	LAKE COUNTRY SALES
31	A517	TOP & BOTTOM STRIKE PLATE	2	BRASS	GU
32	220N	COLONIAL GLAZING STOP	4	WOOD	EAGLE WINDOW & DOOR
33	A59Y	SILL WEATHERSTRIP	1	URETHANE FOAM	SCHLEGEL
34	A03G	MORTISE DOOR BOLT	1	STAINLESS STEEL	GU
35	A40F	1 1/4" 18GA HARD STL BRAD	AS REQUIRED	STEEL	ABILITY FASTENERS
36	A67M	.032 X .625 FOAM TAPE	4	POLYETHYLENE	ADHESIVE RESEARCH
37	A47B	ASTRAGAL DUST CUP	1	NYLON	LAKE COUNTRY SALES
38	A03H	TOP SHOOT BOLT	1	STEEL	GU
39	A40E	1" HARDENED STEEL BRAD	2	STEEL	ABILITY FASTENERS
40	A39Y	SHOOT BOLT GUIDE	2	STAINLESS STEEL	GU
41	A03H	BOTTOM SHOOT BOLT	1	STEEL	GU
42	20DB	LOCK STYLE	2	WOOD	PAC. WOOD LAMINATES
43	20D6	HINGE STYLE	4	WOOD	PAC. WOOD LAMINATES
44	A518	CENTER STRIKE PLATE	1	BRASS	GU
45	A613	CLADDING COVER	3	ALUMINUM	BONNELL
46	A283	ARLOC BULB WEATHERSTRIP	2	PPR	INTEK
47	A00E	GLASS SETTING BLOCK, NEOPRENE	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
48	A38M	2" GU TOP EXTENSION	1	STAINLESS STEEL	GU
49	A00T	#7 X 7/8" FHWS S.S.	4	STAINLESS STEEL	ABILITY FASTENERS
50	A49X	PANEL CAP	2	ALUMINUM	BONNELL
51	20DJ	8" BOTTOM RAIL	2	WOOD	PAC. WOOD LAMINATES
52	A64K	8" BOTTOM RAIL CLADDING	2	ALUMINUM	BONNELL
53	A47J	HINGE SHIM	6	PLASTIC	LAKE COUNTRY SALES
54	A47K	HINGE CUP	6	PLASTIC	LAKE COUNTRY SALES
55	A49P	COMMERCIAL HINGE	6	BRASS	MCKINNEY
56	A516	#12 X 1 1/2 FH. WS. (FPL)	24	STAINLESS STEEL	ABILITY FASTENERS
57	A38E	EAGLE (AUTOMATIC) GU GEAR	1	STAINLESS STEEL	GU
58	A43D	2 1/2" BRAD .077 DIA	8	GALVANIZED STEEL	ABILITY FASTENERS
59	A019	3/4" INSULATED GLASS	2	GLASS	CARDINAL IG
60	H-40	5/8" BETWEEN GLASS MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
61	P/PPD	1" CONTOUR MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
62	21M2	1 1/2" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
63	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
64	A507	1 1/2" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
65	A67X	1 1/2" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
66	A67L	1 1/2" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
67	21M2	1 1/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
68	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
69	A507	1 1/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
70	A67W	1 1/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
71	A67R	1 1/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
72	220H	7/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
73	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
74	A507	7/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
75	A67T	7/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
76	A67N	7/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
77	20FA	5/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
78	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
79	A72D	5/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	COLONIAL CRAFT
80	A75N	5/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
81	A75M	5/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
82	N/A	ADHESIVE TAPE	AS REQUIRED	POLYETHYLENE	CARDINAL IG
83	A40E	1" 18 GA HARD STL BRAD	AS REQUIRED	STEEL	ABILITY FASTENERS
84	A699	PANEL WEDGE	4	ST NYLON	LAKE COUNTRY SALES



Architectural Testing

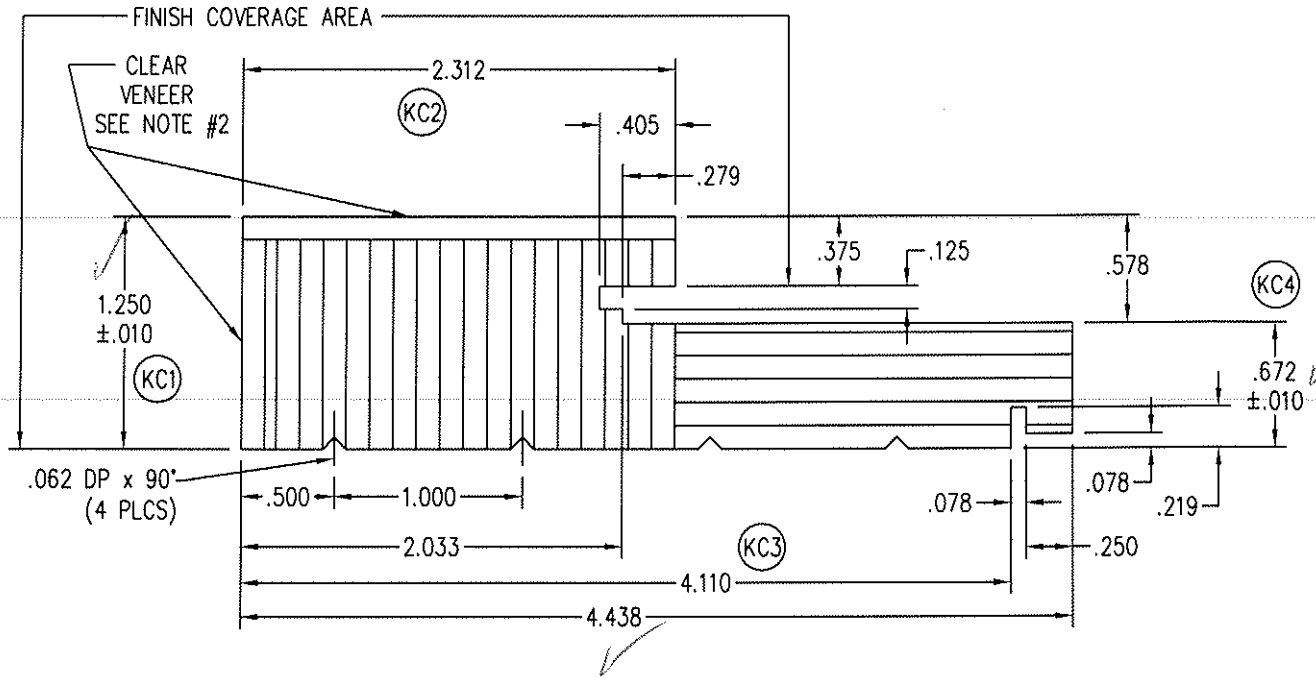
Test sample complies with these details.
Deviations are noted.

Report# 82756
Date 7-3-08 Tech DS

TITLE:	CAFDO DOUBLE UNIT ASSEMBLY
FINISH:	
MATL:	
DFT:	TWN SCALE: 1=1
DCN:	0836 DRWG: 0570
DATE:	6/07/05 C 10

NO	DESCRIPTION	DFT	DOC	DATE
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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

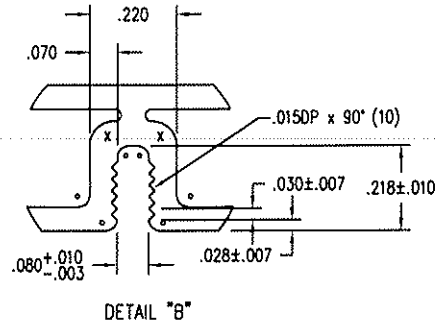
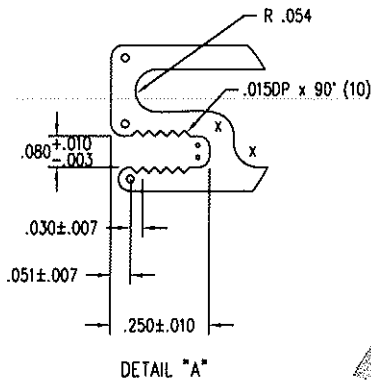
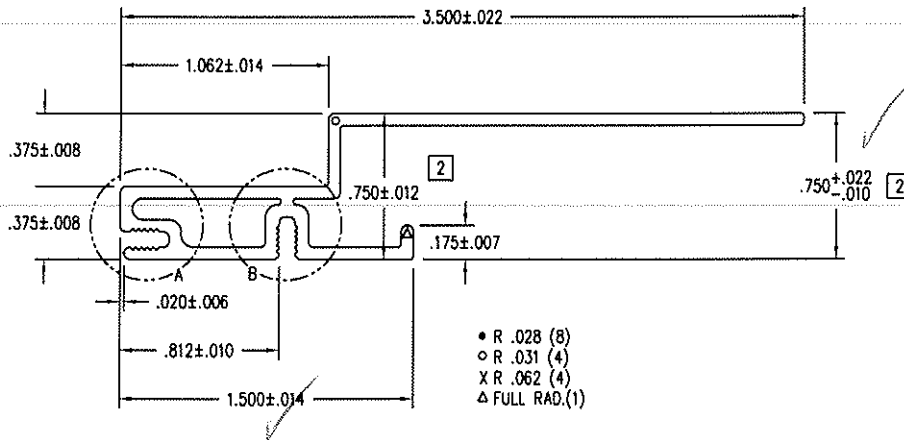
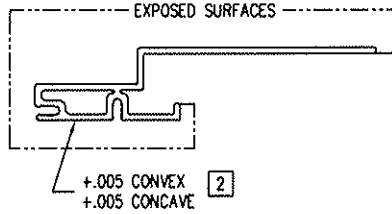
Test sample complies with these details.
 Deviations are noted.

Report# 82756
 Date 7-3-08 Tech QS

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

NO	Description of Change	Drafter	DCN#	Date
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.
Drafter: JMH		DCN#: 0037		
			REVISION: 5	206X 01 of 03

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. UNLESS OTHERWISE SPECIFIED, WALL THICKNESS IS $.062$.
 3. UNLESS OTHERWISE SPECIFIED, BREAK ALL CORNERS $.015$ RADIUS.



Architectural Testing

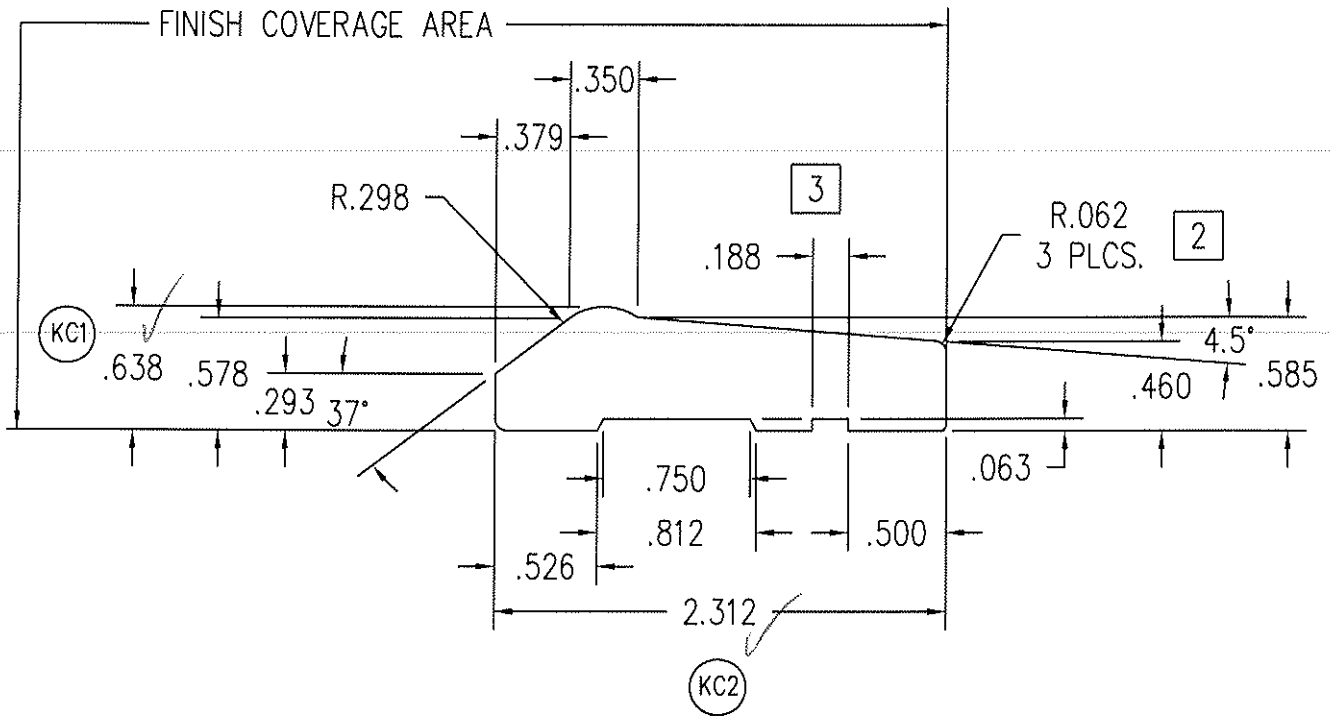
Test sample complies with these details.
 Deviations are noted.

Report# 82756
 Date 7-3-08 Techn DC

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 TITLE: O/S JAMB CLADDING
 FINISH: EAGLE'S STD. COLORS
 MATL: 6063 T-6 ALUMINUM

02	ADDED/CHG'D DIM. & TOLERANCE	TWN	0778	4/4/03	DFT:	JMH	SCALE:	1=1
01	REVISED PROFILE	RDA	0272	9/15/97	DCN:	0037	DRWG:	A04B
NO	DESCRIPTION	DFT	DOC	DATE	DATE:	4/12/1993	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 $\pm 1/2^\circ$.



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 32756
Date 7-3-08 Tech DS

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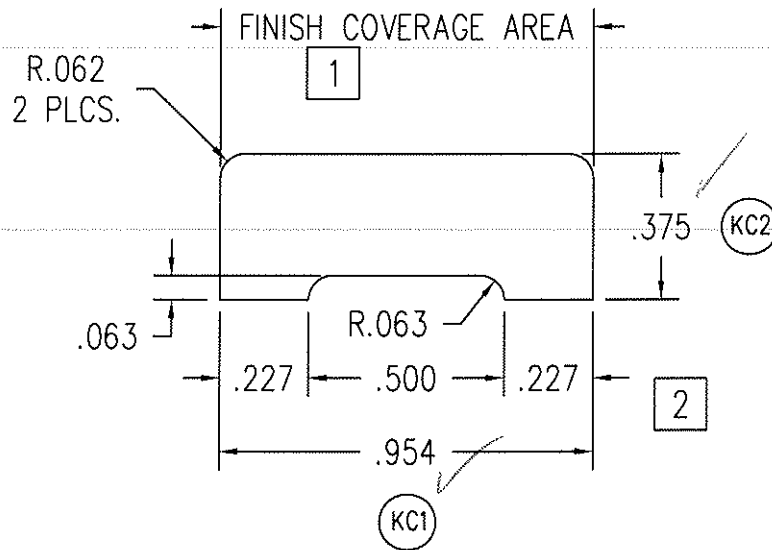
TITLE: OUTSWING THRESHOLD


FINISH: PRESERVATIVE

MATL: OAK

03	ADDED RELIEFS	TWN	1133	9/13/07		
02	CHANGED THRESHOLD ANGLE	TWN	0836	3/17/05	DFT: TSB	SCALE: 1=1
01	ADDED "COVERAGE AREA"	JH	0911	9/15/04	DCN: 0243	DRWG: 21HD
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 11/21/1996	A 01 OF 02

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 Testing
 Test sample geometry and material
 Deviations are noted.
 Report# 82756
 Date 7-3-0 Tech OS

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TITLE: OUTSWING SILL TRIM

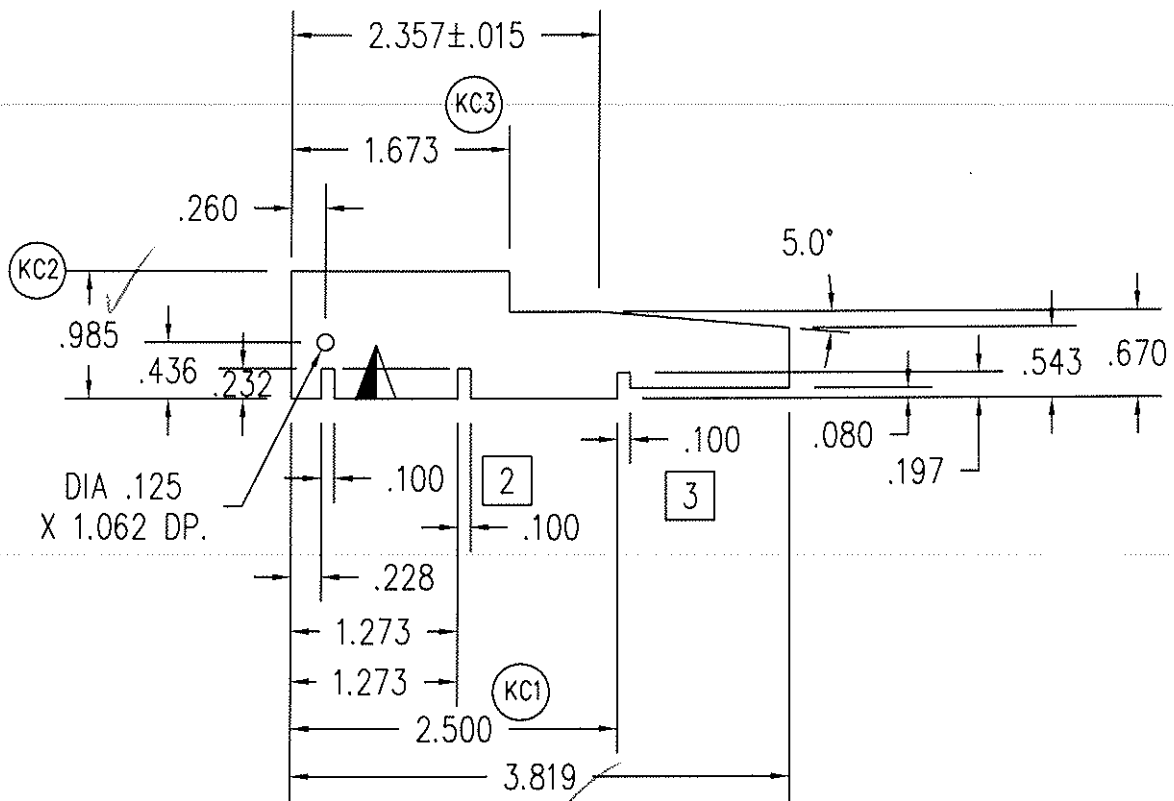
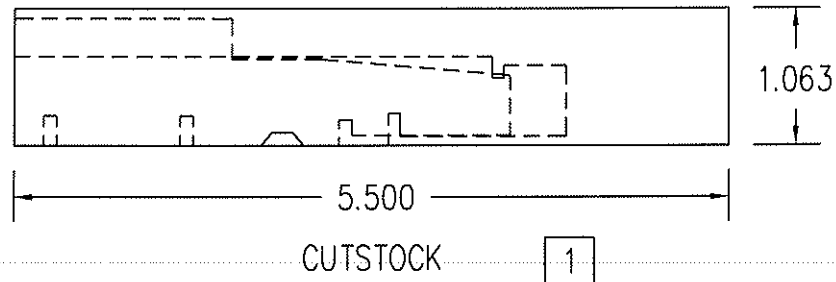
FINISH: PRESERVATIVE

MATL: OAK

02	CHANGED PROFILE	TWN	1057	10/31/06	DFT: MJP	SCALE: 2=1
01	ADDED FINISH COVERAGE AREA	JH	0911	09/15/04	DCN: 0243	DRWG: 21HC
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 1/2/1997	A 01 OF 02

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. UNLESS OTHERWISE SPECIFIED ALL RADII $.010$.

3



Test sample complies with these details.
 Deviations are noted.

Report# 82756
 Date 7-3-08 Tech DS

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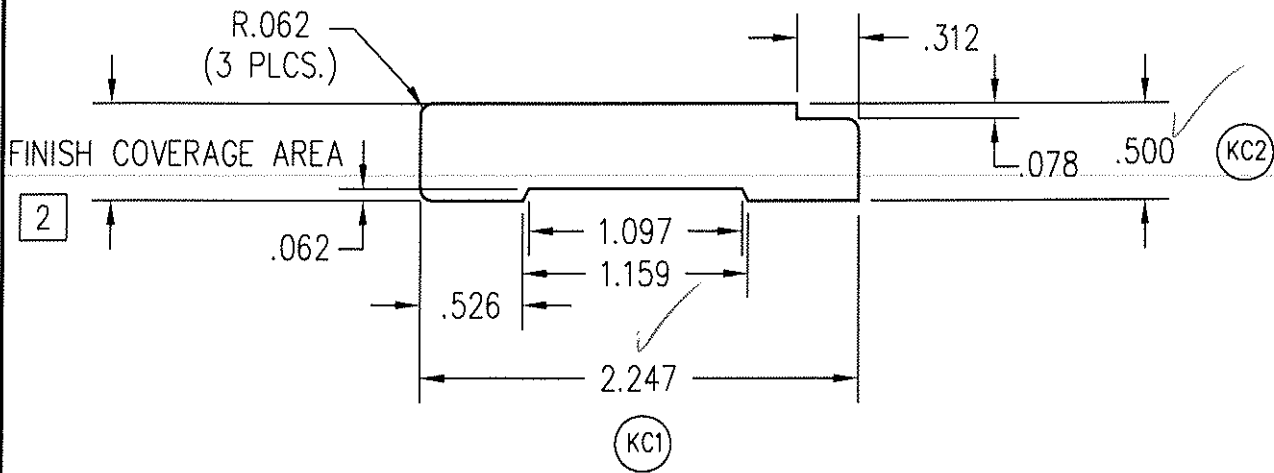
TITLE: OUTSWING SUBSILL

FINISH:

MATL: 50/50 WOOD FIBER/PLASTIC

03	REMOVED NOTE AND CHG'D DIM.	TWN	TRKR	7/9/07		
02	ADD KERFS	AWW	1068	5/15/07	DFT: tnes	SCALE: 1=1 1/2
01	CHG'D MATERIAL/ADD CUTSTOCK	TWN	1087	2/15/07	DCN: 0879	DRWG: A476
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 3/8/2005	A 01 OF 02

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 Testing

Test sample complies with these details.
Deviations are noted.

Report# 82756
Date 7-3-08 Tech DS

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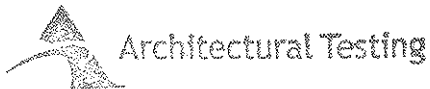
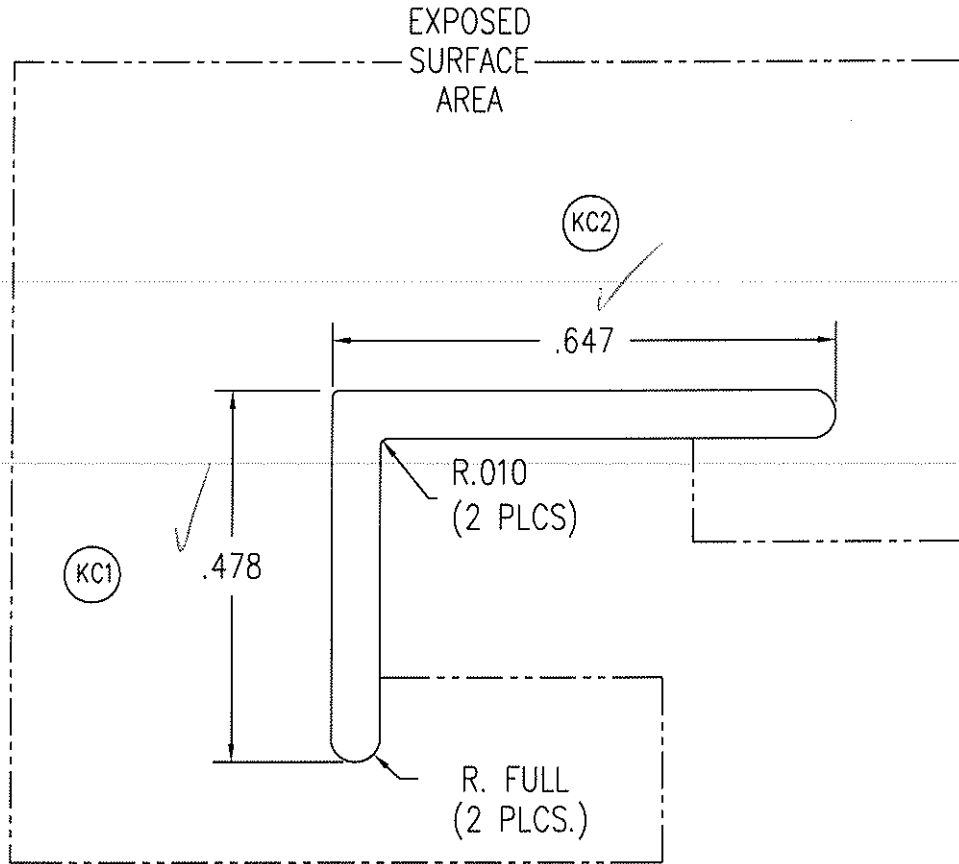
TITLE: OAK CAP FOR OUTSWING SILL

FINISH: PRESERVATIVE

MATL: OAK

02	ADDED "COVERAGE AREA"	JH	0911	9/15/04	DFT: TSB	SCALE: 1=1
01	REMOVED .015 STEP	MJP	0243	7/28/97	DCN: 0243	DRWG: 21HE
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 1/2/1997	A 01 OF 02

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 IS $.062 \pm .006$



Test sample complies with these details.
 Deviations are noted.

Report# 82756
 Date 7-3-08 Tech DS

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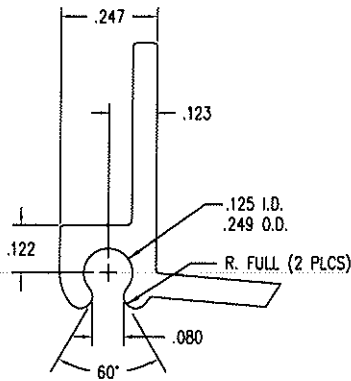
TITLE: SUPPORT BRACKET

FINISH: EAGLE'S STD. COLORS (A409) OR MILL, BRONZE ACRODIZED

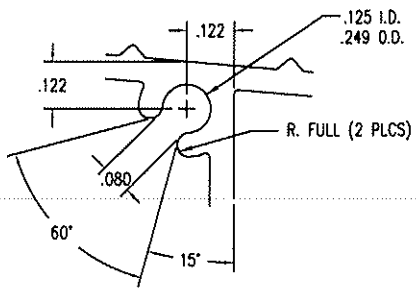
MATL: 6063 T-6 ALUMINUM

02	ADDED .010 RADII	MJP	0080	2/18/1996	DFT: CEL	SCALE: 4=1
01	CHANGED PROFILE	MJP	0080	12/2/1996	DCN: 0243	DRWG: A307
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 7/30/1996	A 01 OF 02

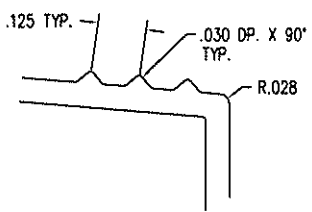
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.
 2. UNLESS OTHERWISE SPECIFIED WALL THICKNESS TO BE .062.
 3. ALL RADII NOT DIMENSIONED TO BE .010
 4. AREA ≈ 0.4707 SQ. IN.
 5. DARK BRONZE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



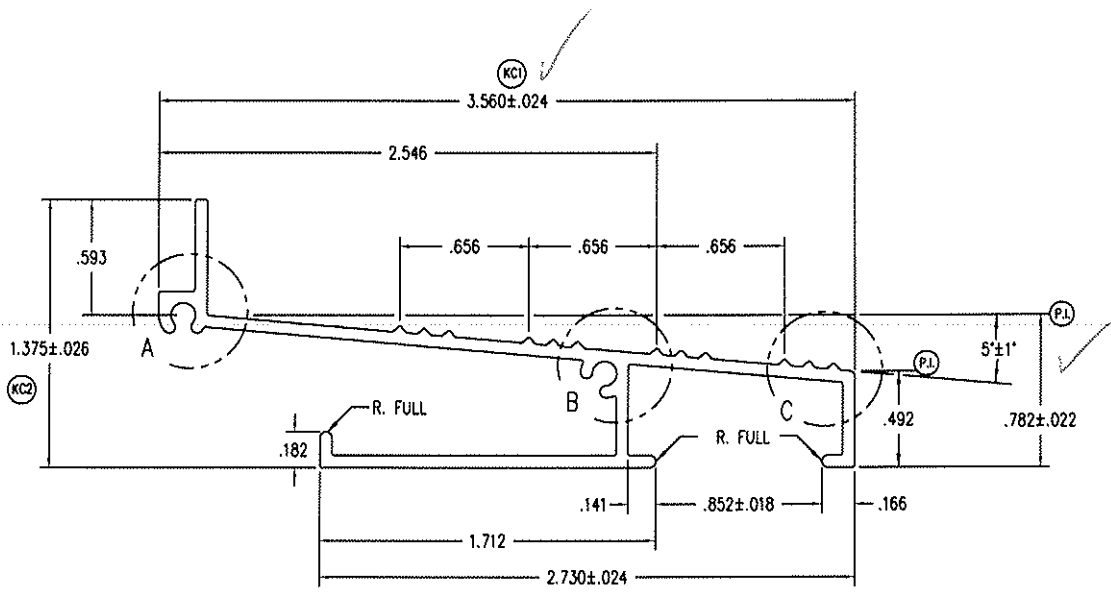
DETAIL A
2 X



DETAIL B
2 X



DETAIL C
2 X



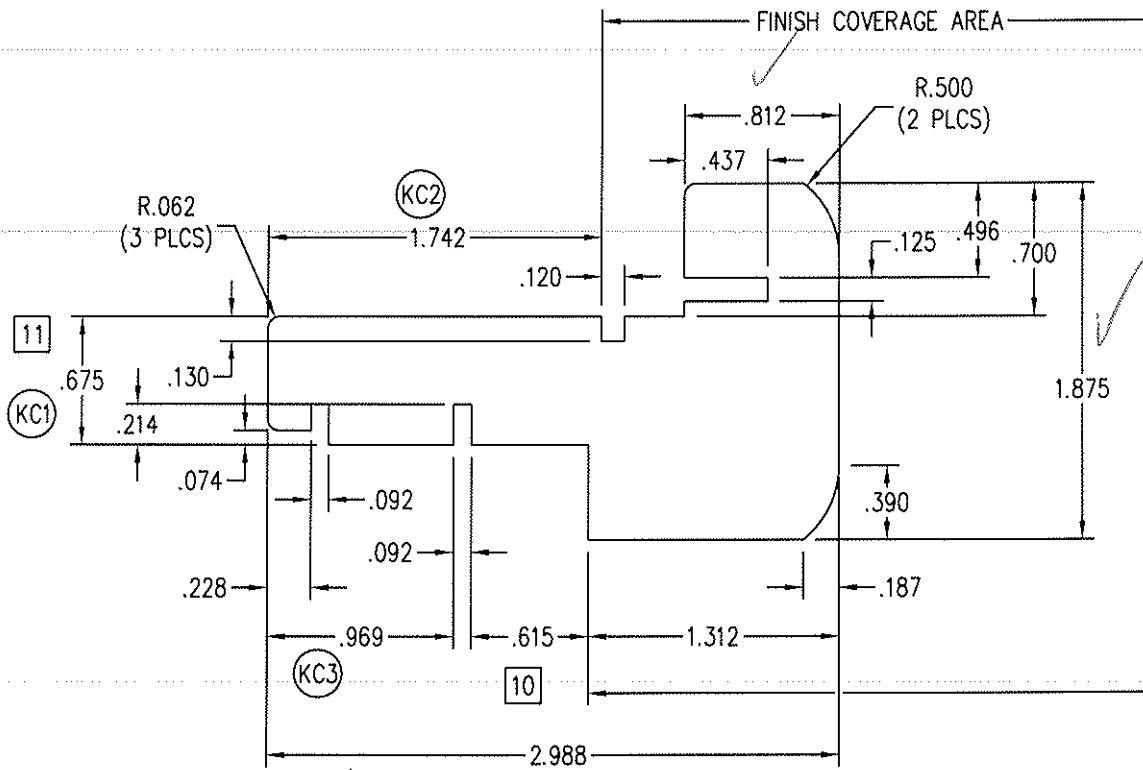
Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 82756
 Date 7-3-08 Tech DS

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TITLE: OUTSWING SILL EXTRUSION	
FINISH: MILL OR DARK BRONZE ANODIZED	
MATERIAL: ALUMINUM	
DFT: Inies	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 ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.
2. 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 21CD (PAGE 02). 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 21CD (PAGE 02).
 - B. 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).



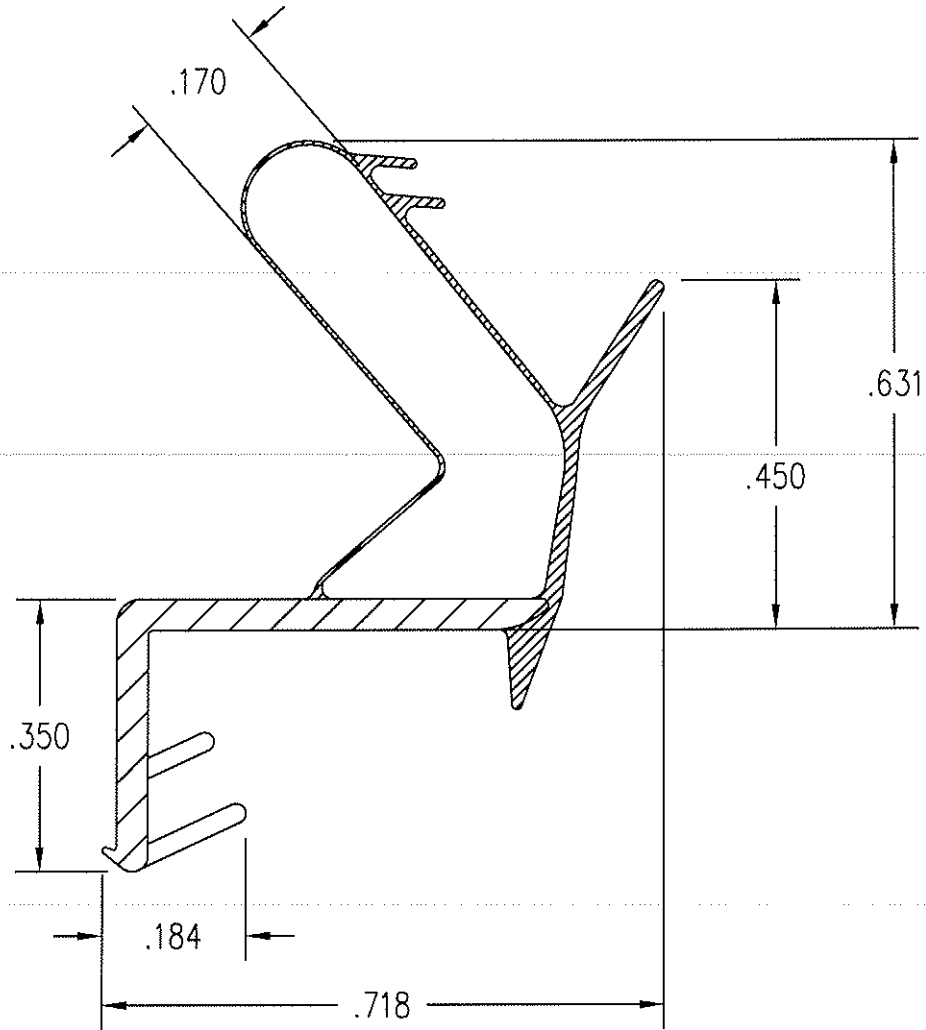
Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 82756
Date 7-3-08 Tech DS

11	INCREASED DIMENSION .010 TO ACHIEVE STEP DIMENSION OF .500	TWN	0794A	9/14/05
10	CHANGED DIMENSION FROM .601 TO .615	TWN	0836	3/14/05
09	CHANGED WEATHERSTRIP KERF SIZE FROM .094 TO .125	TWN	0934	1/17/05
NO	Description of Change	Drafter	DCN#	Date
Title: CLAD OUTSWING ASTRAGAL		Finish:		Material EAGLE'S STD. WOOD SPECIES
Scale: 1"=1"	Date: 9/25/1992	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: 2078
Drafter: JMH	DCN# 0037			11

- 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. APPROVED VENDOR: AMESBURY FOAMTITE



Architectural Testing

A sample complies with these details.
 Deviations are noted.

Project 82756
 Date 7-3-08 Tech OS

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TITLE: FOAM WEATHERSTRIP

FINISH:

MATL: TPE FOAM - PVC SKIN

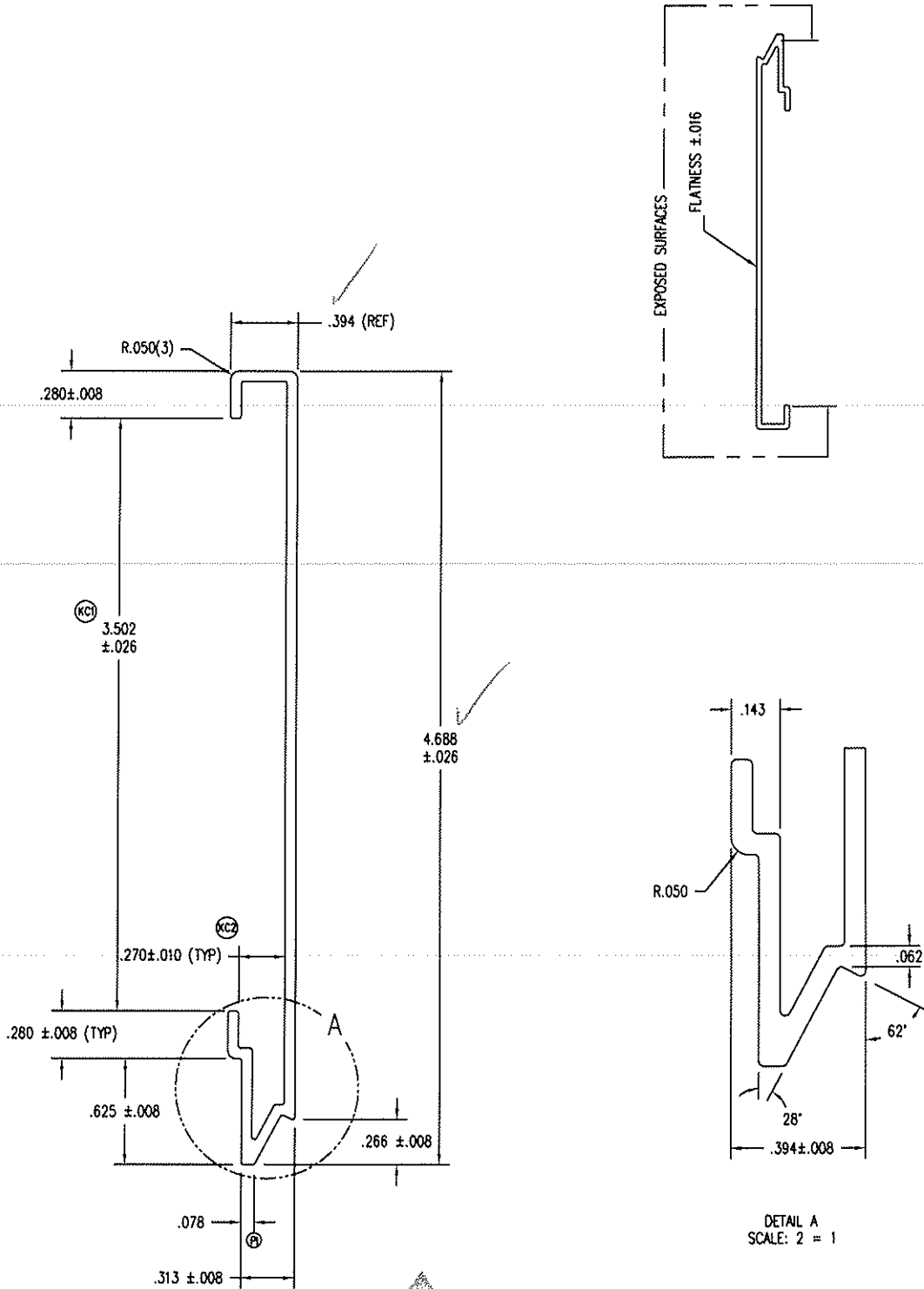
DFT: TWN SCALE: 4=1


DCN: 0794 DRWG: A59Y

DATE: 6/10/2003 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. $\pm .005$; 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.



 Architectural Testing

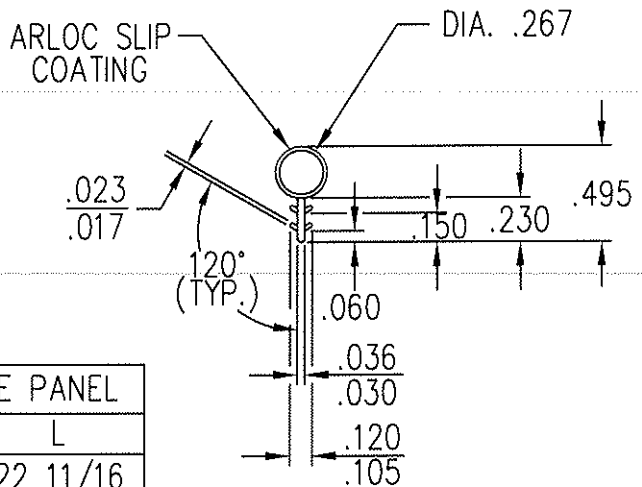
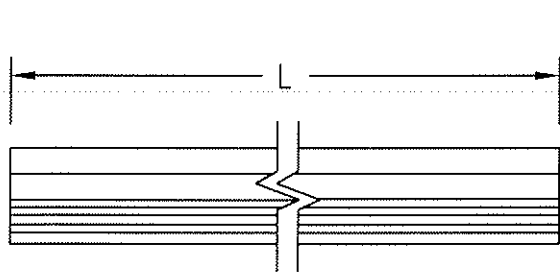
... applies with these details.
 Deviations are noted.

Report # 82756
 Date 7-3-08 AS

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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 06

NO	DESCRIPTION	DFT	DOC	DATE

- 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. 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

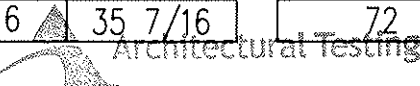
CHDVO, ACTIVE PANEL	
FRAME WIDTH	L
24 1/2	22 11/16
30 1/2	28 11/16
32 1/2	30 11/16
36 1/2	34 11/16
48 1/16	22 11/16
60 1/16	28 11/16
64 1/16	30 11/16
72 1/16	34 11/16

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

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

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



Test sample complies with these details.
 Deviations are noted.

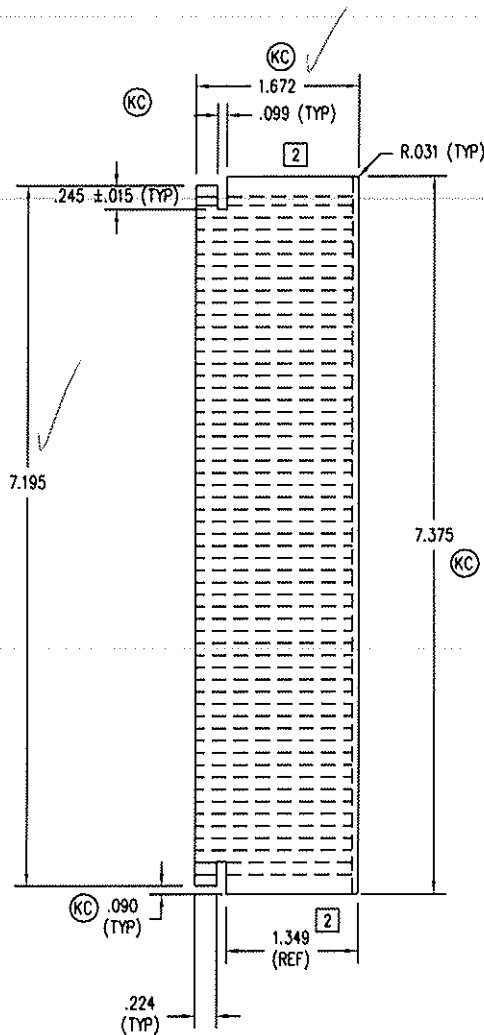
Report# 82756
 Date 7-3-08 Tech DS

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TITLE: ARLOC BULB WEATHERSTRIP
 BLK #205400
 FINISH: WHITE - #4099
 BLACK - #205400 (CSMT ONLY)
 MATL: PPR
 PROPYLENO/ETHYLONE COPOLYMER

06	ADDED FINISH COLORS	KJS	1134	10/18/07	DFT: TWN	SCALE: 1=1
05	CHANGED TO PAGE 01 OF 04	RJW	0640	10/1/2003	DCN: 0231	DRWG: A283
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 1/16/1996	A 01 OF 04

- 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 200R.
- 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 200R.
 - 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).



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 82756
Date 7-3-08 Tech AS

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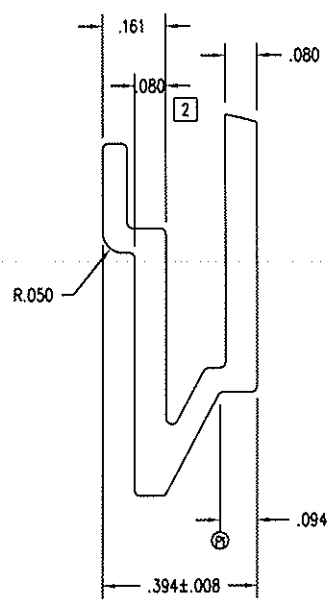
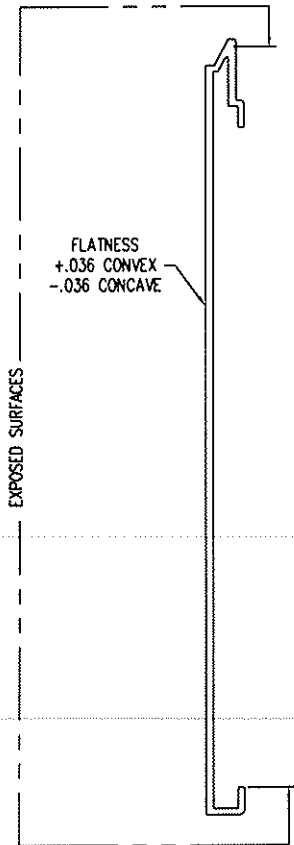
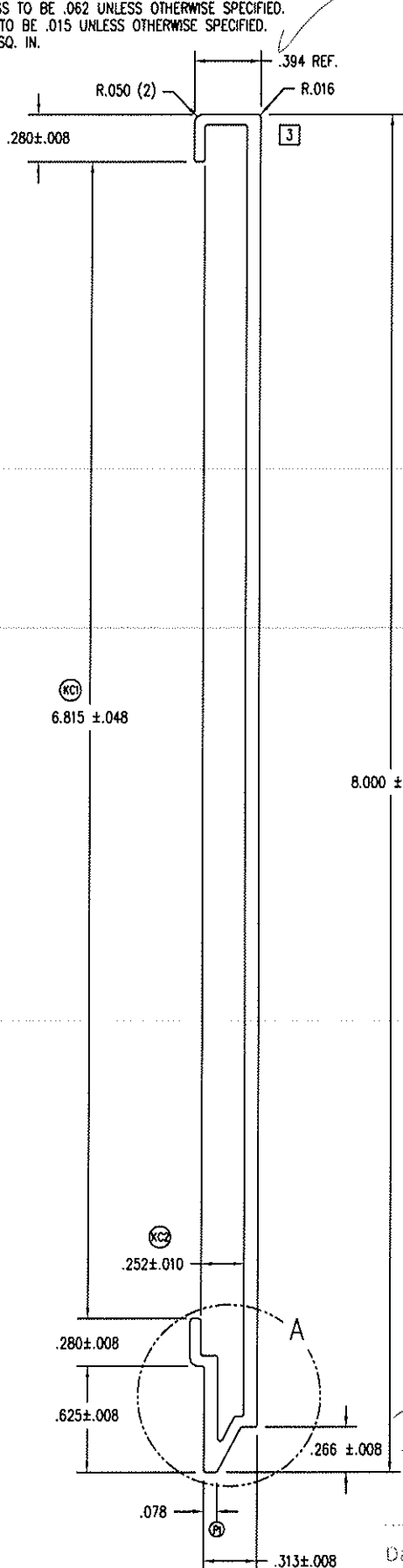
TITLE: 8" BOTTOM RAIL

FINISH: PRESERVATIVE (SEE A02J)
ALSO (INT. A02F)

SEE NOTE #3

NO	DESCRIPTION	DFT	DOC	DATE	DATE	DATE	SCALE	DRWG	NO
04	CHNG'D PROFILE	TWN	PRE	3/22/05	MATL:				
03	.073 WAS .056	AWW	PRE	10/18/04					
02	.015 WAS .094, RMYD ANGLE	AWW	PRE	10/7/04	DFT:	TWN	SCALE: 1=2		
01	CHNG'D TO MATCH 2009	AWW	PRE	6/30/2004	DCN:	0736	DRWG: 200J		
					DATE:	3/31/2004	C	01 OF 02	

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. WALL THICKNESS TO BE .062 UNLESS OTHERWISE SPECIFIED.
 3. ALL CORNERS TO BE .015 UNLESS OTHERWISE SPECIFIED.
 4. AREA = .743 SQ. IN.



Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Part # 82756
 Date 7-3-08 Tech DS

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TITLE: 8" PANEL CLADDING INTERLOCK FIT			
FINISH: EAGLE'S STD. COLORS			
MATERIAL: 6063 T-6 ALUMINUM			
03	MADE CORNER RADIUS .015	AWW	PRE 10/7/04
02	MADE WALL .080, NOT .062	AWW	PRE 6/28/04
01	REMOVED "BUMPS"	TWN	PRE 5/5/04
NO	DESCRIPTION	DFT	DOC DATE
		DFT	DOC DATE

DFT	DOC	DATE	DATE: 7/14/2003	C	01 OF 02
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