

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

Rendered to:

EAGLE WINDOW & DOOR, INC

**SERIES/MODEL: Series 99 Clad Casement Fixed 2-piece
PRODUCT TYPE: Aluminum Clad Fixed Wood Window**

Title	Summary of Results
AAMA/WDMA/CSA 101/I.S.2/A440-08	LC-PG50-FW 1829 x 1829 (72 x 72)
Design Pressure	2400 Pa (50.0 psf)
Air Infiltration	<0.05 L/s/m ² (<0.01 cfm/ft ²)
Water Penetration Resistance Test Pressure	360 Pa (7.50 psf)
Uniform Load Structural Test Pressure	±3600 psf (±75.0 psf)
Forced Entry Resistance	Grade 10

Test Completion Date: 02/08/08

Reference must be made to Report No. 80183.01-201-44, 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
Dubuque, Iowa 52004-1072

Report No.: 80183.01-201-44
Test Dates: 02/06/08
Through: 02/08/08
Original Report Date: 03/03/08
Revised Report Date: 12/02/08
Expiration Date: 02/08/12

Project Summary: Architectural Testing, Inc. was contracted by Eagle Window & Door, Inc. to perform testing on a Series 99 Clad Casement Fixed 2-piece, Aluminum Clad Fixed Wood Window. The sample tested successfully met the performance requirements for LC-PG50-FW 1829 x 1829 (72 x 72) 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: Series 99 Clad Casement Fixed 2-piece

Product Type: Aluminum Clad Fixed Wood Window

Overall Size: 1829 mm (72") wide by 1829 mm (72") high

Sash Size: 1791 mm (70-1/2") wide by 1791 mm (70-1/2") high

Overall Area: 3.3 m² (36.0 ft²)

Finish: Interior wood was natural and the exterior aluminum cladding was 2-tone white.

Test Specimen Description: (Continued)

Frame Construction: The wood frame was of laminated veneer lumber (LVL) with corners rabbet jointed, butted, sealed with silicone and secured with two 11 mm (7/16") crown by 38 mm (1-1/2") long staples per corner. Extruded aluminum cladding was slip-fit over the wood frame members with the corners miter cut, sealed with silicone and secured with a nylon corner key and two #8 by 11 mm (7/16") screws. The head stop was secured with 5 mm (3/16") crown by 29 mm (1-1/8") long staples spaced approximately 152 mm (6") on center. The side stops were secured with glue and a vinyl spline.

Sash Construction: The sash members were of molded pine. The corners utilized mortise and tenon construction and were secured with glue and one #7 by 32 mm (1-1/4") screw per corner. Extruded aluminum cladding was slip-fit over the wood sash members with the corners miter cut, silicone sealed and secured with a nylon corner key and one #5 by 38 mm (1-1/2") screw per corner.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.267" diameter hollow bulb	1 Row	Sash stiles and top rail
0.320" diameter foam filled bulb	1 Row	Interior frame perimeter
Vinyl spline	1 Row	Between frame jambs and stop

Glazing: The window utilized a nominal 19 mm (3/4") thick insulating glass fabricated from two sheets of nominal 4 mm (5/32") heat strengthened 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.

Installation: The window was installed within wood test buck. The window was secured to the buck with an applied nailing fin which was set in silicone and secured with 51 mm (2") nails spaced approximately 152 mm (6") on center. Silicone sealant was also applied over the fastener heads. Masonry clips were utilized 610 mm (24") from each end of jamb and secured to the frame with four #8 by 16 mm (5/8") screws and to the wood surround with two #8 by 38 mm (1-1/2") screws.

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 Resistance per ASTM E 547 and 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: 10	
	Disassembly Test	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry

Optional Performance

4.3.2.1	Water Resistance per ASTM E 547		
	360 Pa (7.50 psf)	No leakage	No leakage
4.3.2.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the sash stile) (Loads were held for 60 seconds)		
	2400 Pa (50.0 psf) (positive)	0.3 mm (0.01")	See Note #3
	2400 Pa (50.0 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>
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Optional Performance: (Continued):

4.3.2.1	Uniform Load Structural per ASTM E 330 (Permanent set reported were taken on the sash stile) (Loads were held for 10 seconds)		
	3600 Pa (75.0 psf) (positive)	0.3 mm (0.01")	1.8 mm (0.07") max.
	3600 Pa (75.0 psf) (negative)	0.3 mm (0.01")	1.8 mm (0.07") 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>
Chad Cornell	Eagle Window & Door
Jim Welter	Eagle Window & Door
Anthony D. Gavin	Architectural Testing, Inc.
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 Form (2)

Appendix-C: Drawings (14)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	03/03/08	N/A	Original report issue. Report and drawings forwarded to AMS for Hallmark Certification.
1	12/02/08	All	Test report to 2008 version of standard. Report and drawings forwarded to AMS for Hallmark Certification. 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 #: 80183.01-201-44-R1

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-697.02

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: Series 99 Clad Casement Fixed – Two-Piece Frame.
(as to be listed on CCL)

Product Type: Fixed Window

Additional Manufacturer ID #: _____

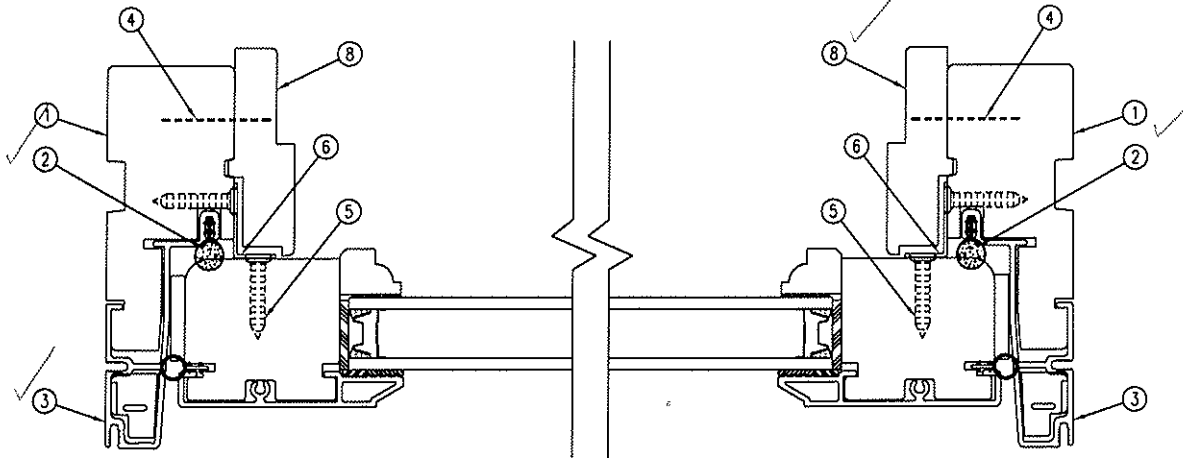
n/a

<u>Hallmark CCL</u>	<u>Standard</u>	<u>Rating</u>
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<input type="checkbox"/>	101/I.S.2/NAFS-02	_____
<input type="checkbox"/>	AAMA/WDMA/CSA/101/I.S.2/A440-05	_____
<input checked="" type="checkbox"/>	AAMA/WDMA/CSA/101/I.S.2/A440-08	LC-PG50-FW +50/-50
<input type="checkbox"/>	ASTM E 1996 99 / E1886-97	_____
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<input type="checkbox"/>	ASTM E 1996 02 / E1886-02	_____
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<input type="checkbox"/>	ASTM E 1996 04 / E1886-04	_____
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<input type="checkbox"/>	TAS 203-94	_____
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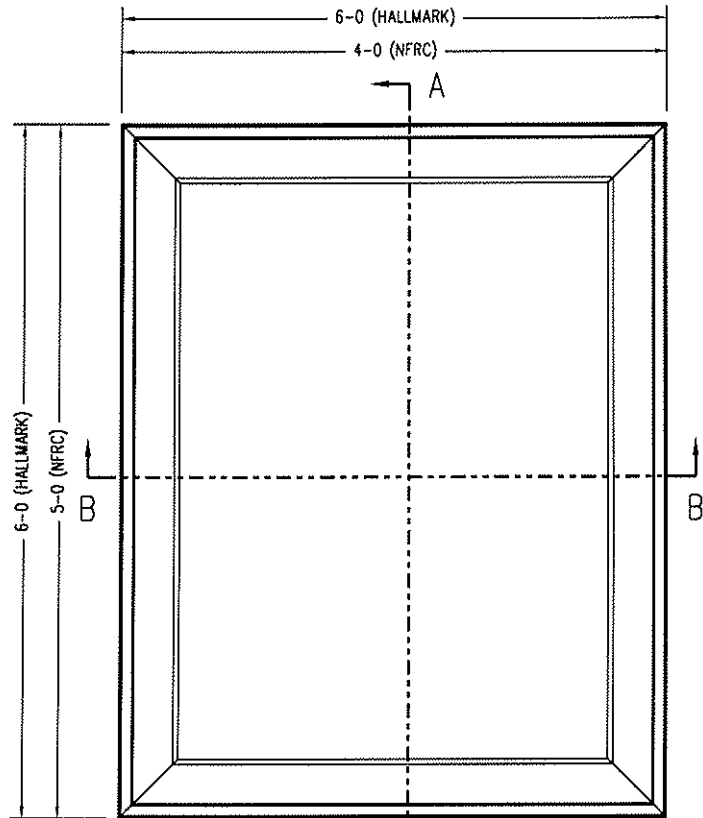
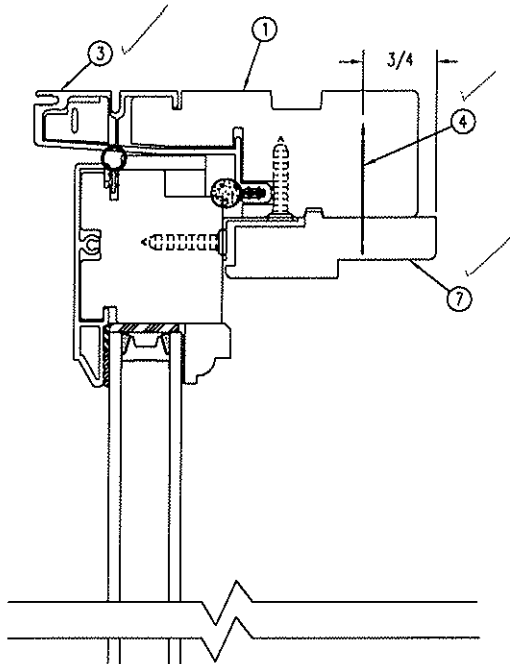
Appendix C

Drawings

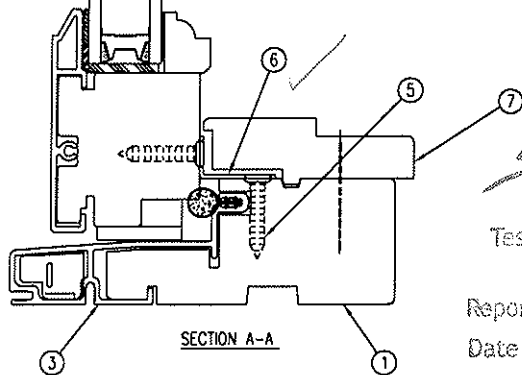
- NOTE: 1. STAPLES TO BE 0 TO 1/32" BELOW SIDE STOP SURFACE.
 2. SIDE STOP STAPLES LOCATED $2 \pm 1/2$ FROM EACH END OF STOP AND SPACED
 6" TO 8" ON CENTER. NO STAPLES ARE TO BE LOCATED WITHIN 1" OF LOCK ROUTS.



SECTION B-B



EXTERIOR VIEW



SECTION A-A



Architectural Testing

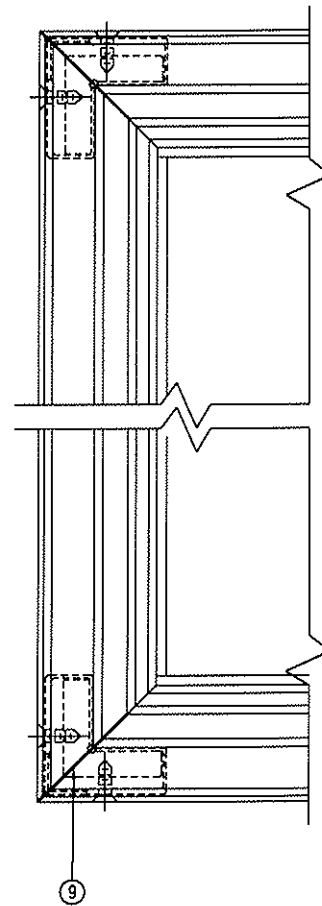
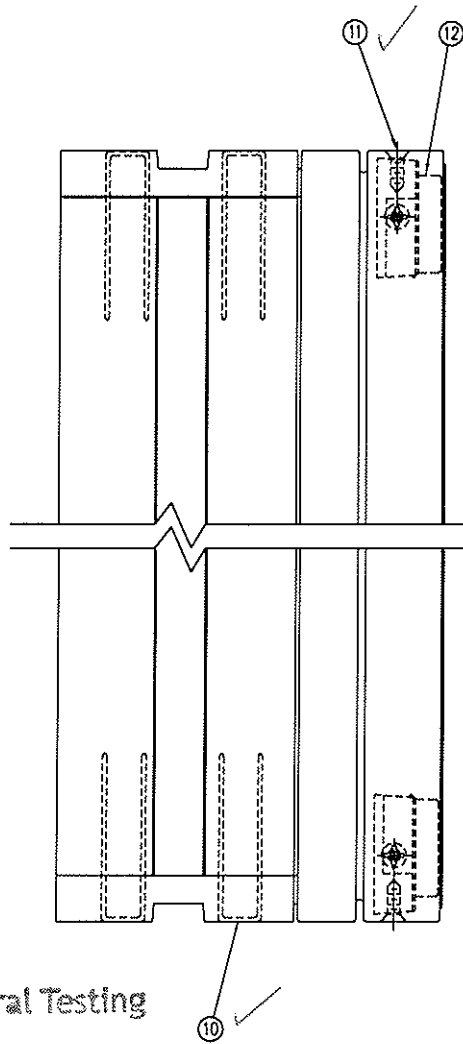
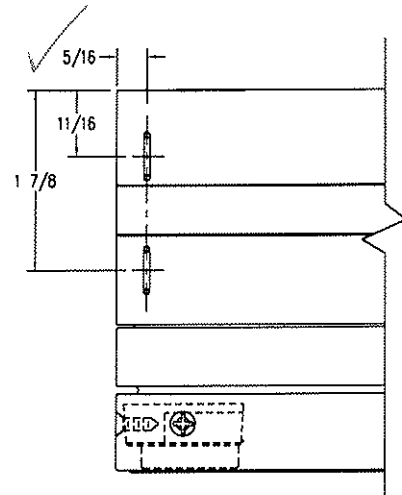
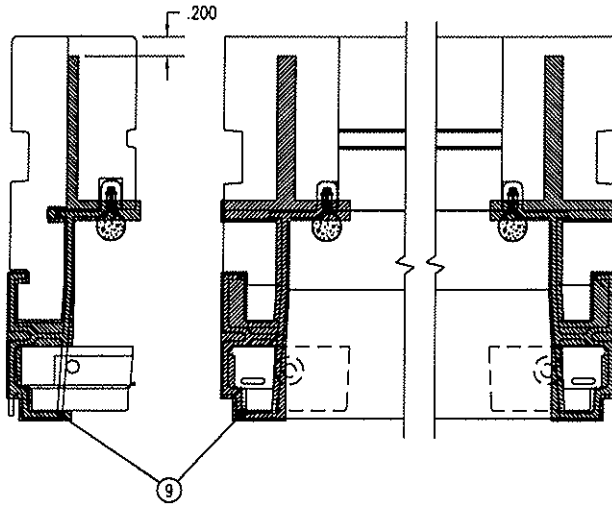
Test sample complies with these details.
 Deviations are noted.

Report# 80183
 Date 2/6/08 Tech gpk

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TITLE: CLAD CASEMENT FIXED UNIT ASSEMBLY			
FINISH:			
MATERIAL:			
DFT:	CRC	SCALE:	1=2
DCN:	0710	DRWG:	054R
DATE:	08/29/07	C	01 OF 07

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. INSERT CORNER KEY BEFORE APPLYING SEALANT.



Architectural Testing

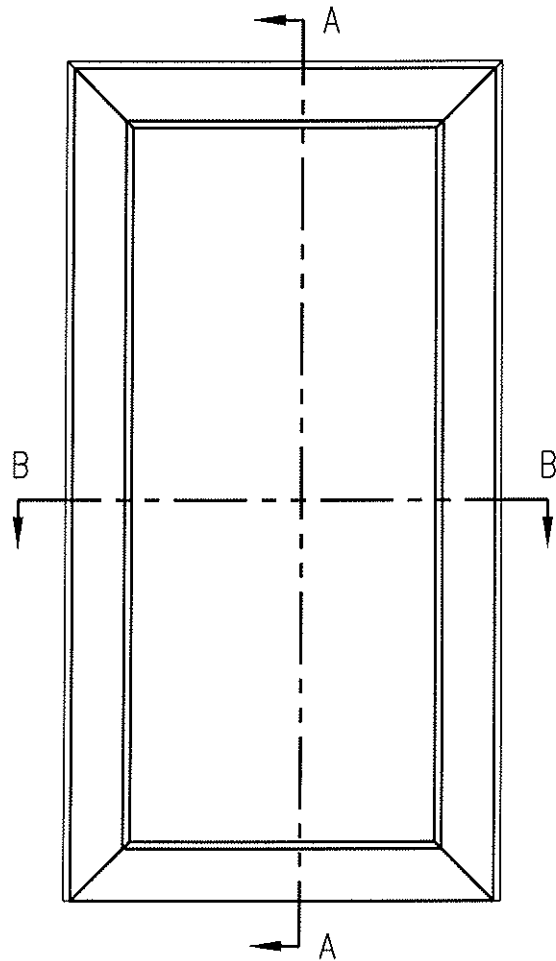
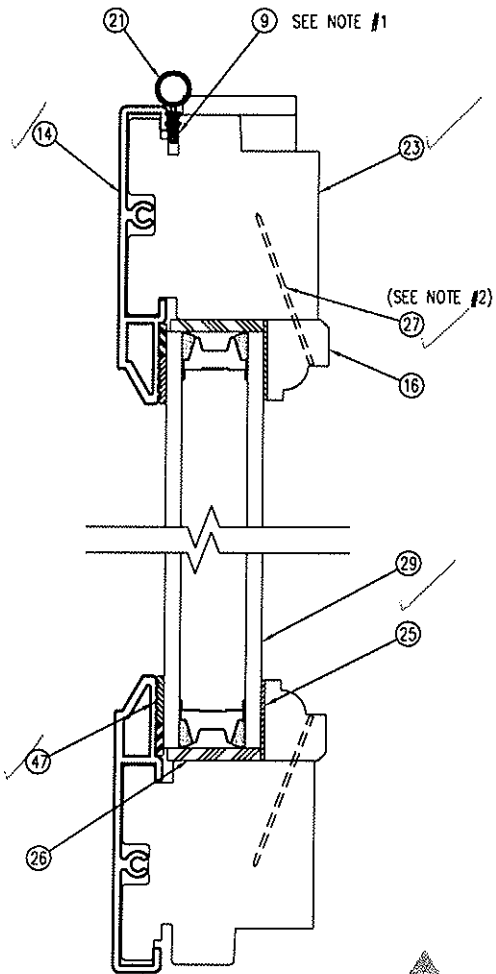
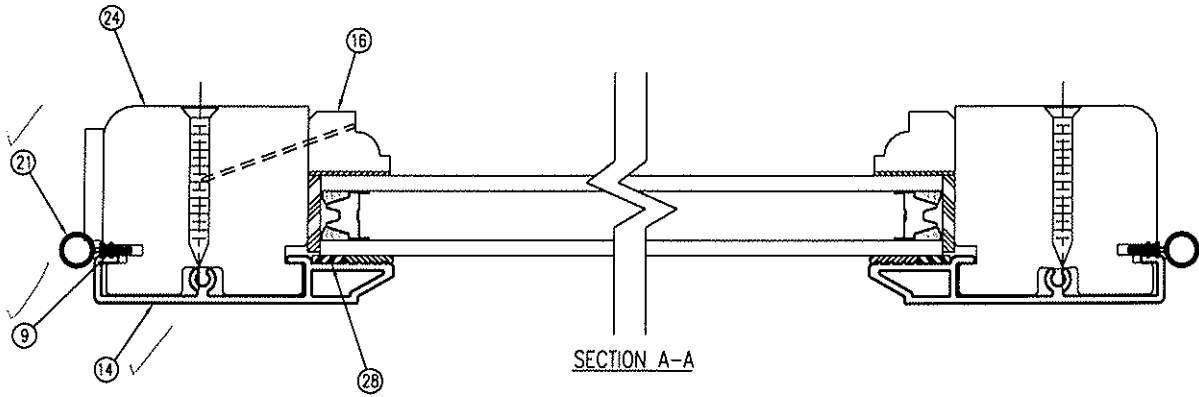
Test sample complies with these details.
Deviations are noted.

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TITLE: CLAD CASEMENT FIXED UNIT ASSEMBLY	
FINISH:	
MATERIAL:	
DFT: CRC	SCALE: 1=2
DCN: 0710	DRWG: 054R
DATE: 08/29/07	C 02

NO.	DESCRIPTION	DFT	DOC	DATE
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- NOTE: 1. SILICONE SEALANT TO BE APPLIED TO THE CORNERS OF THE SASH BULB GROOVE PRIOR TO INSERTING THE BULB WEATHERSTRIP. THE SEALANT SHOULD FILL THE GROOVE FOR APPROX. 1/8" LENGTH FROM EACH CORNER.
 2. BRADS TO BE 1/32" TO 1/16" BELOW GLAZING STOP SURFACE.
 3. SASH TO BE SQUARE WITHIN 1/32 ON DIAGONAL MEASUREMENTS.



SECTION B-B

EXTERIOR VIEW



Architectural Testing

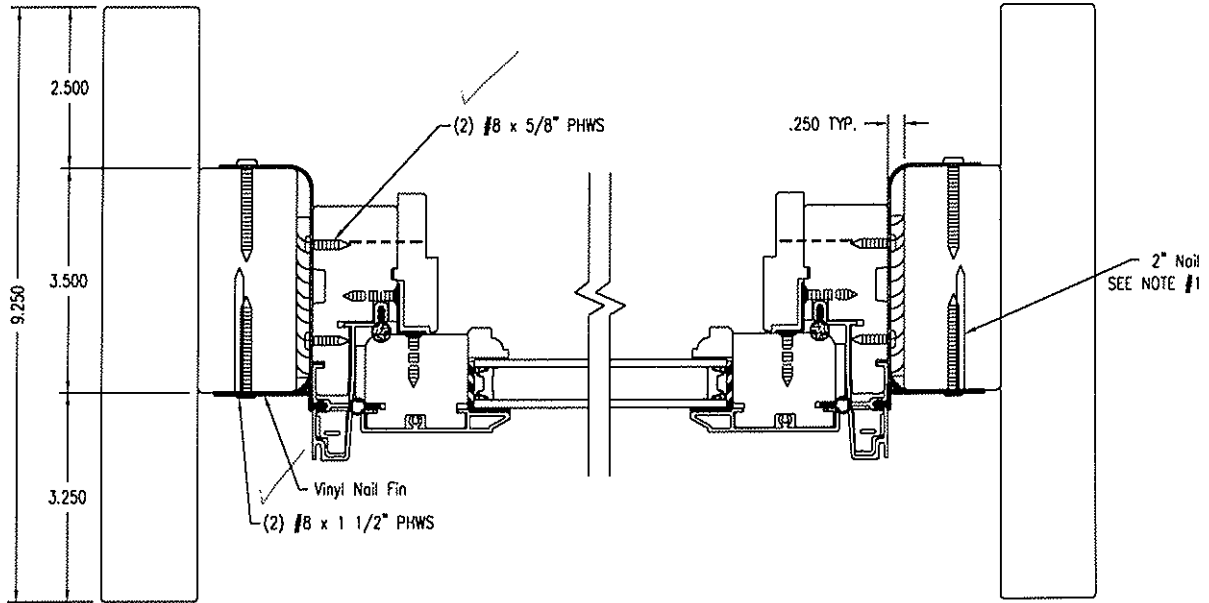
Test sample complies with these details.
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TITLE: CLAD CASEMENT FIXED SASH ASSEMBLY	
FINISH:	
MATERIAL:	
DFT: CRC	SCALE: 1=1 1/2
DCN: 0710	DRWG: 054R
DATE: 08/29/07	C 03

NO	DESCRIPTION	DFT	DOC	DATE

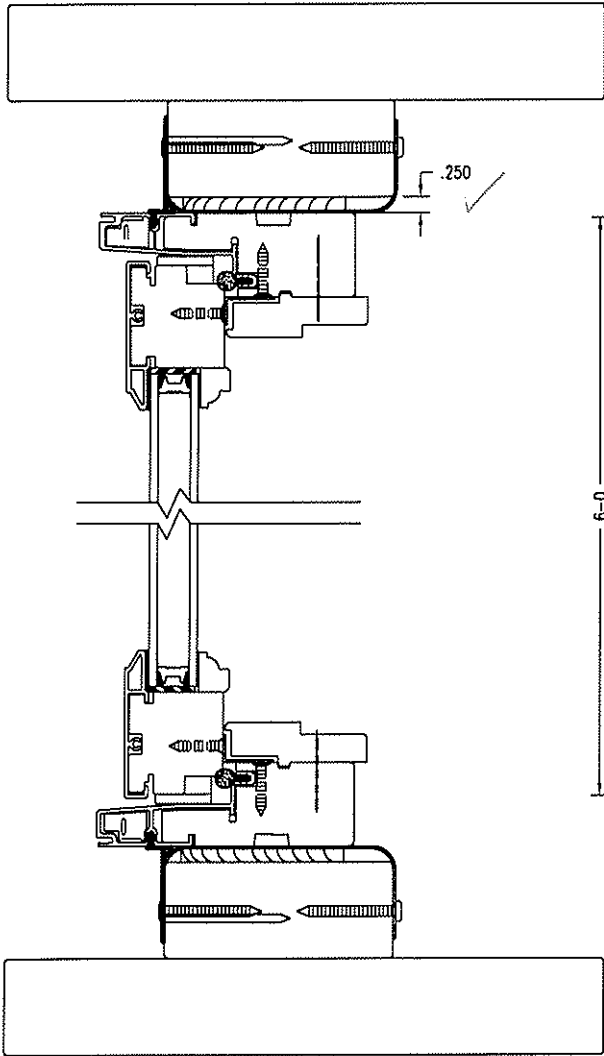
1. CENTER NAIL FIN, PLACE NAIL IN FIRST HOLE AND THEN EVERY OTHER THERE AFTER. 2" ROOFING NAILS THROUGH NAIL FIN INTO WALL.



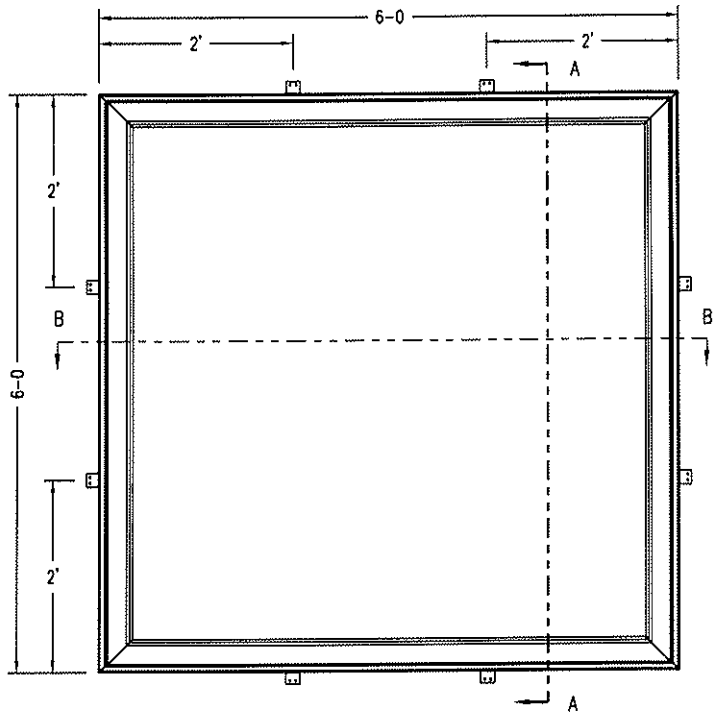
Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 80183
Date 2/6/08 Tech gfk



SECTION A-A



EXTERIOR VIEW

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CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE
EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR.
TITLE: CLAD CASEMENT 2PC FIXED
INSTALLATION DETAIL

FINISH:

MATL:

DFT: CRC SCALE: 1=3

DCN: 0710 DRWG: 055D

DATE: 12/27/07 C 02 OF 02

NO	DESCRIPTION	DFT	DOC	DATE

NO.	DWG. NO.	PART DESCRIPTION	QUANTITY	MATERIAL	SUPPLIER
1	220L	FRAME MEMBERS	4	WOOD (LVL)	EAGLE WINDOW & DOOR
2	A55N	FRAME WEATHERSTRIP	1	CLOSED CELL FOAM	
3	A04A	FRAME CLADDING	4	ALUMINUM	BONNELL
4	A00L	3/16 X 1 1/8 STAPLE	AS REQUIRED	GALVANIZED STEEL	
5	A00P	#8 X 1" FH SMS Z & Y	AS REQUIRED	STEEL	ABILITY FASTENERS
6	A27B	ANCHOR CLIPS	AS REQUIRED		
7	20D0	HEAD & SILL STOPS	2	WOOD	EAGLE WINDOW & DOOR
8	20D0	SIDE STOPS	2	WOOD	EAGLE WINDOW & DOOR
9	A030	SILICONE SEALANT	AS REQUIRED	SILICONE	DOW CORNING
10	A15Y	7/16" X 1 1/2" 16GA. STAPLE	AS REQUIRED	STEEL	PACKAGING CORP.
11	A11K	#8 X 7/16" FHSMS W/ #6 HEAD	8	STAINLESS STEEL	ABILITY FASTENERS
12	A100	CORNER KEY	4	ABS COMPOUND	LAKE COUNTRY SALES
13	A47C	STATIONARY SHIM	4		
14	A07L	RAIL / STILE CLADDING	4	ALUMINUM	BONNELL
15	A040	3/16 X 1" STAPLE	8		
16	220J	COLONIAL GLAZING STOP	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
17	A01D	WOOD ADHESIVE	AS REQUIRED	COPOLYMER	NATIONAL STARCH
18	A08W	CORNER KEY	4	NYLON	LAKE COUNTRY SALES
19	A08L	#5 X 1 1/2" FHES	4	STAINLESS STEEL	
20	A01A	GLAZING TAPE	AS REQUIRED	BUTYL RUBBER	PTI INC.
21	A283	BULB WEATHERSTRIP	3	PPR	INTEK
22	A39W	#7 X 1 1/4" FHSMS S.S.	4	STAINLESS STEEL	
23	21DE	RAIL	2	WOOD	EAGLE WINDOW & DOOR
24	21DF	STILE	2	WOOD	EAGLE WINDOW & DOOR
25	A67M	ADHESIVE FOAM TAPE	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
26	A00E	GLASS SETTING BLOCK	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
27	A40F	1 1/4" HARDENED STEEL BRAD - 18 GA.	AS REQUIRED	STEEL	ABILITY FASTENERS
28	A08K	GLAZING SHIM	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
29	A019	3/4" INSULATED GLASS	1	GLASS	CARDINAL IG
	A08J	5/8" INSULATED GLASS		GLASS	CARDINAL IG
	A32Y	SINGLE PANE GLASS (MONOLITHIC)		GLASS	CARDINAL IG
30	H-40	5/8" BETWEEN GLASS MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
31	P/PD	1" CONTOUR MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
32	21M2	1 1/2" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
	21DG	1 1/2" INTERIOR MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
33	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
34	A507	1 1/2" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
35	21M2	1 1/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
36	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
37	A507	1 1/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
38	220H	7/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
	21DG	7/8" INTERIOR MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
39	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
40	A507	7/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
41	N/A	ADHESIVE TAPE	AS REQUIRED	POLYETHYLENE	CARDINAL IG
42	A75M	5/8" MDL ADHESIVE TAPE (INTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
	A67N	7/8" MDL ADHESIVE TAPE (INTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
	A67R	1 1/8" MDL ADHESIVE TAPE (INTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
	A67L	1 1/2" MDL ADHESIVE TAPE (INTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
43	20FA	5/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
44	A72D	5/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	HYDRO
45	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
46	A75N	5/8" MDL ADHESIVE TAPE (EXTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
	A67T	7/8" MDL ADHESIVE TAPE (EXTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
	A67W	1 1/8" MDL ADHESIVE TAPE (EXTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
	A67X	1 1/2" MDL ADHESIVE TAPE (EXTERIOR)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
47	A51H	INSTANT GLAZE II SEALANT	AS REQUIRED	SILICONE	DOW CORNING



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 80183

Date 2/6/08 Tech SPK

NO	DESCRIPTION	DFT	DOC	DATE
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TITLE: CLAD CSMT FIXED UNIT ASSEMBLY

FINISH:

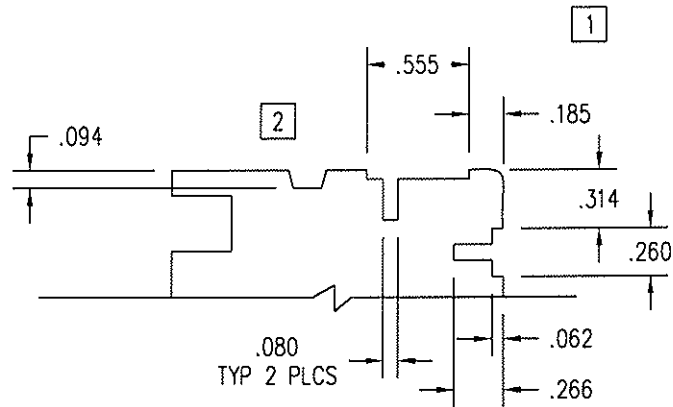
MATL:

DFT: CRC SCALE: 1=1

DCN: 0710 DRWG: 054R

DATE: 08/29/07 C 07

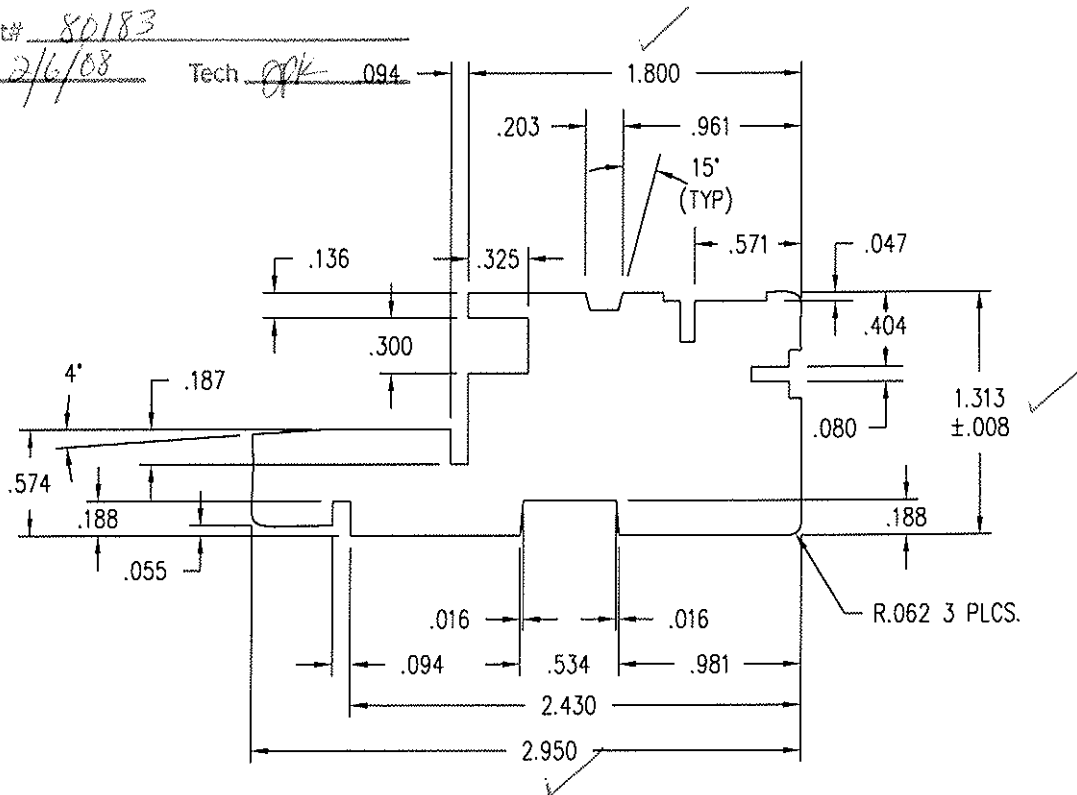
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE:
 DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.



Architectural Testing

Test sample complies with these details.
 Deviations are noted.

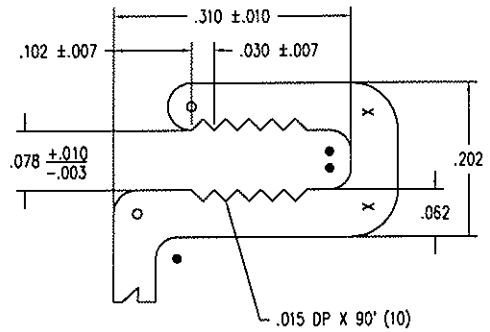
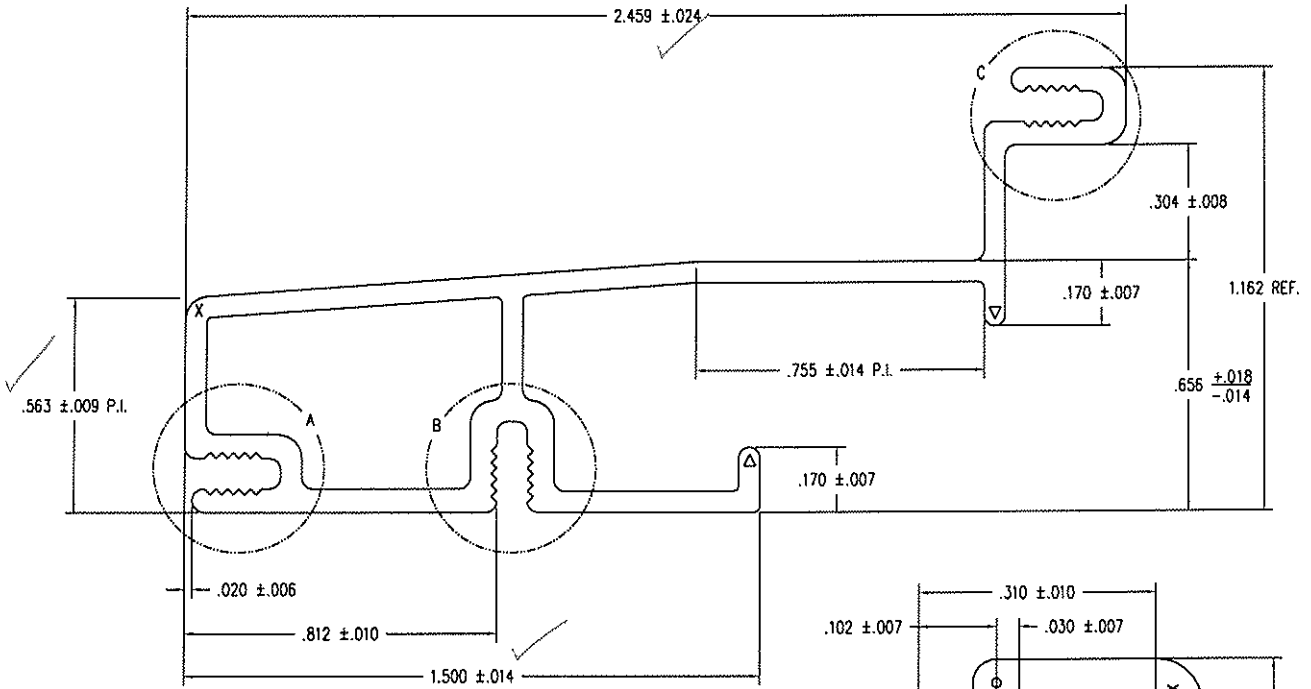
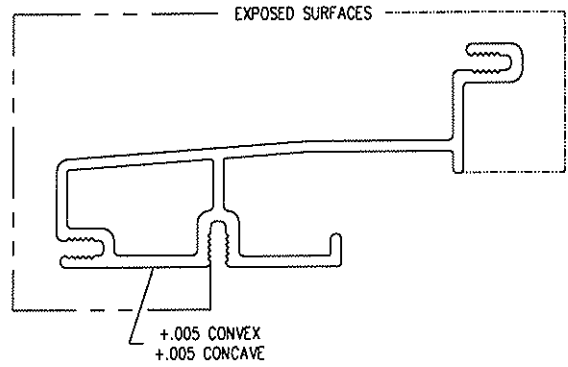
Report# 80183
 Date 2/6/08 Tech OK 094



02	REMOVED 2 KERFS	RDA	1005	11/30/05
01	REVISED PROFILE - ADDED CONCEALED FASTENER ROUT	RDA	0925	09/30/04
NO	Description of Change	Drafter	DCN#	Date
Title: JAMB CCV-CCF-CAV		Finish:		Material: SEE PAGE 02
Scale: 1=1		Date: 5/28/2002		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# 0925		
			REVISION: 2	220L 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 $.055$.
 3. UNLESS OTHERWISE SPECIFIED, BREAK ALL CORNERS $.015$ RADIUS.

- R .028 (15)
- R .031 (4)
- X R .062 (6)
- △ FULL RAD.(2)



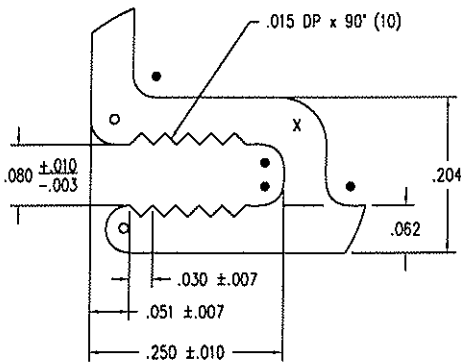
3 DETAIL "C"



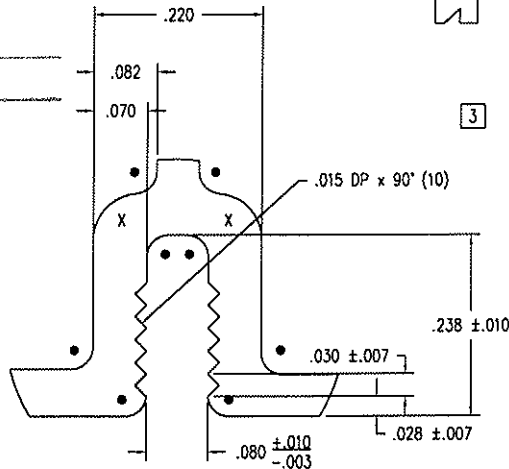
Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 80183
 Date 2/6/08 Tech gfk



DETAIL "A"



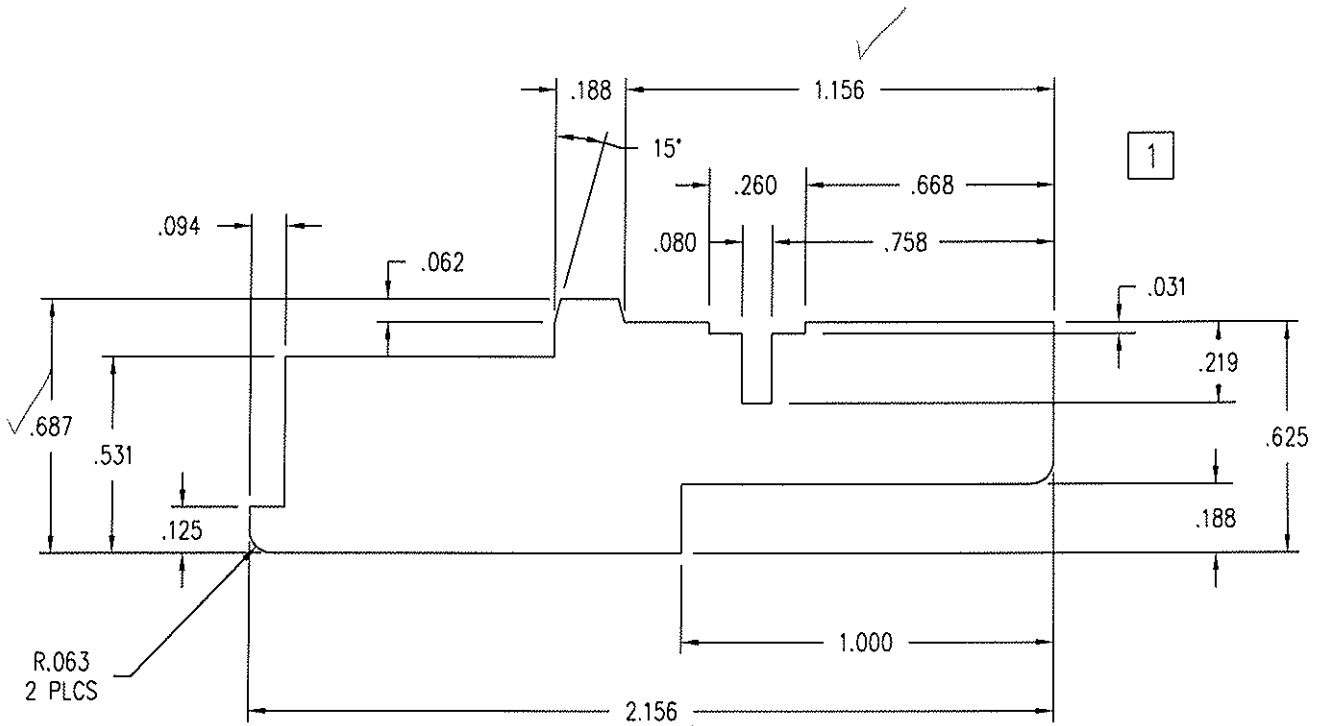
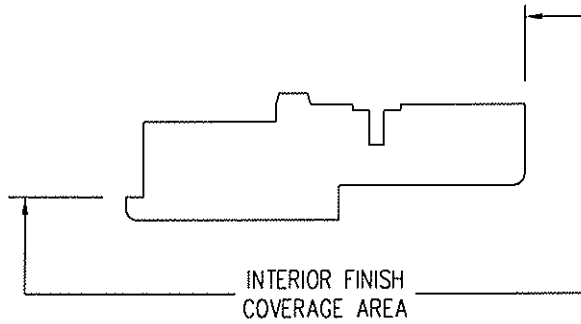
DETAIL "B"

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 TITLE: FRAME COVER CLADDING

FINISH: EAGLE'S STD. COLORS

05	ADDED/CHG'D DIM. & TOLERANCE	TWN	0778	4/4/2003		
04	ADDED TOLERANCE SPECS	TWN	0595	8/31/2001	MAIL:	6063 T-6 ALUMINUM OR EQUIVALENT
03	REVISED PROFILE	CEL	0368	1/27/1999		
02	REVISED PROFILE	RDA	0272	9/17/1997	DF1:	REL SCALE: 2=1
01	CHANGED NOTES	GDE	0048	8/7/1992	DCN:	0004 DRWG: AD4A
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 7/21/1992	C 01 OF 02

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.



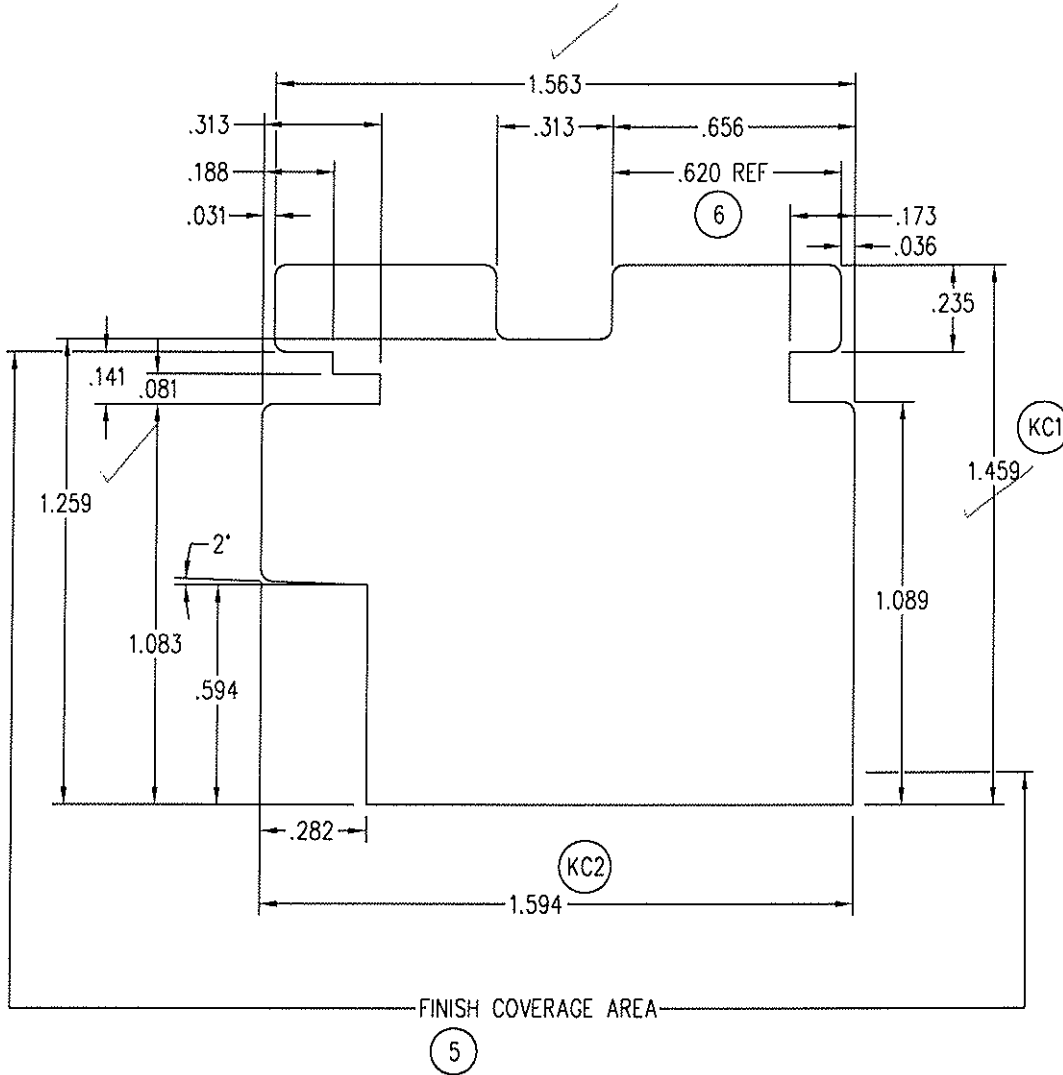
Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 80183
 Date 2/6/08 Tech. [Signature]

01	REVISED PROFILE - ADDED BLIND NAIL CLIP ROUT	RDA	0925	09/30/04	
NO	Description of Change	Drafter	DCN#	Date	
Title:	SIDE STOP	Finish:	STD. EAGLE FINISHES	Material	STD. EAGLE SPECIES
Scale:	2=1	Date:	7/10/2003	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:	TWN	DCN#	0803	REVISION:	20D0 1 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.



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 80183
Date 2/6/08 Tech JFK

06	ADDED DIMENSION	TWN	TRKR	9/13/2006
05	ADDED COVERAGE AREA	JH	0924	9/17/2004
NO	Description of Change	Drafter	DCN#	Date
Title: CLAD CSMT RAIL		Finish:		Material: EAGLE'S STD WOOD SPECIES
Scale: 1/2"=1"		Date: 8/7/1995		REVISION: 21DE 6 01 of 02
Drafter: CEL		DCN# 0154		
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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'.

PRODUCT	GLASS	A
(PRE '96 & NG) CLAD CASEMENT & AWNING	5/8"	.469
(PRE '96 & NG) CLAD CASEMENT PICTURE	3/4"	.469
CLAD PIANO HINGE CASEMENT	5/8"	.469
CLAD PIANO HINGE CASEMENT (3056 & ABOVE)	3/4"	.469
CLAD RADIUS CASEMENT	5/8" & 3/4"	.469
(PRE '96 & NG) CLAD DOUBLE / SINGLE HUNG	5/8"	.469
(PRE '96 & NG) CLAD DOUBLE HUNG PICTURE	5/8"	.469
CLAD DOUBLE HUNG TRANSOM	5/8"	.469
CLAD DOUBLE HUNG REPLACEMENT SASH	5/8"	.469
ALL CLAD (NON-RADIUS) AUXILIARY (0-15 SQ. FT.)	3/4"	.469
ALL CLAD (NON-RADIUS) AUXILIARY (15+ SQ. FT.)	1"	.469
CLAD SLIDING WINDOW	5/8"	.469
CLAD INSWING / OUTSWING FRENCH DOOR	3/4"	.469
CLAD FRENCH DOOR TRANSOM	3/4"	.469
CLAD PATIO / FRENCH SLIDING DOOR	3/4"	.469
(PRE '98) WOOD CASEMENT & AWNING	3/4"	.680
(PRE '98) WOOD CASEMENT PICTURE	3/4"	.680
(NG) WOOD CASEMENT & AWNING	5/8"	.469
(NG) WOOD CASEMENT PICTURE	5/8" & 3/4"	.469
WOOD PIANO HINGE CASEMENT	5/8"	.469
WOOD PIANO HINGE CASEMENT (3056 & ABOVE)	3/4"	.469
(PRE '96 & NG) WOOD DOUBLE / SINGLE HUNG	5/8"	.469
(PRE '96 & NG) WOOD DOUBLE HUNG PICTURE	5/8"	.469
WOOD SLIDING WINDOW	5/8"	.469
WOOD DOUBLE HUNG TRANSOM	5/8"	.469
WOOD DOUBLE HUNG REPLACEMENT SASH	5/8"	.469
WOOD (NON-RADIUS) AUXILIARY (0-15 SQ. FT.)	3/4"	.469
WOOD (NON-RADIUS) AUXILIARY (15+ SQ. FT.)	1"	.469
WOOD INSWING / OUTSWING FRENCH DOOR	3/4"	.469
WOOD FRENCH DOOR TRANSOM	3/4"	.469
WOOD PATIO / FRENCH SLIDING DOOR	3/4"	.469
CLAD & WOOD PATIO/FR. SLIDING DOOR (BLIND GLASS)	1"	.406
ALL CLAD AND WOOD WINDOWS AND DOORS EXCEPT AUXILIARY UNITS WHICH ALWAYS USES	SINGLE GLAZED H. MSTR MONO	.680



Architectural Testing

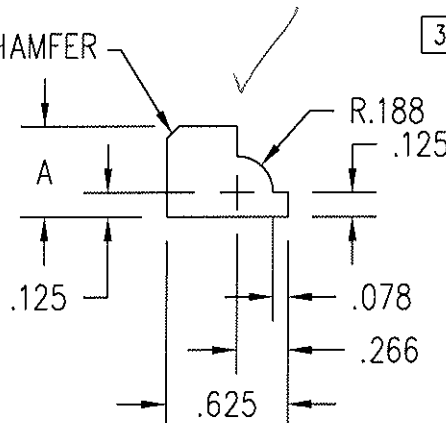
Test sample complies with these details.
Deviations are noted.

Report# 80183

Date 2/6/08 Tech *gpk*

PANEL STOPS	
PRODUCT	A
WOOD OUTSWING SIDELITE	.469
WOOD OUTSWING TRANSOM	.469
WOOD INSWING SIDELITE	.469
WOOD INSWING TRANSOM	.469
CLAD DHG PICTURE	.406

.062 x .062 CHAMFER



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TITLE: COLONIAL GLAZING STOP

FINISH:

MATL:

EAGLE STD WOOD OFFERINGS

DFT: JMH

SCALE: 1=1

DCN: 0650

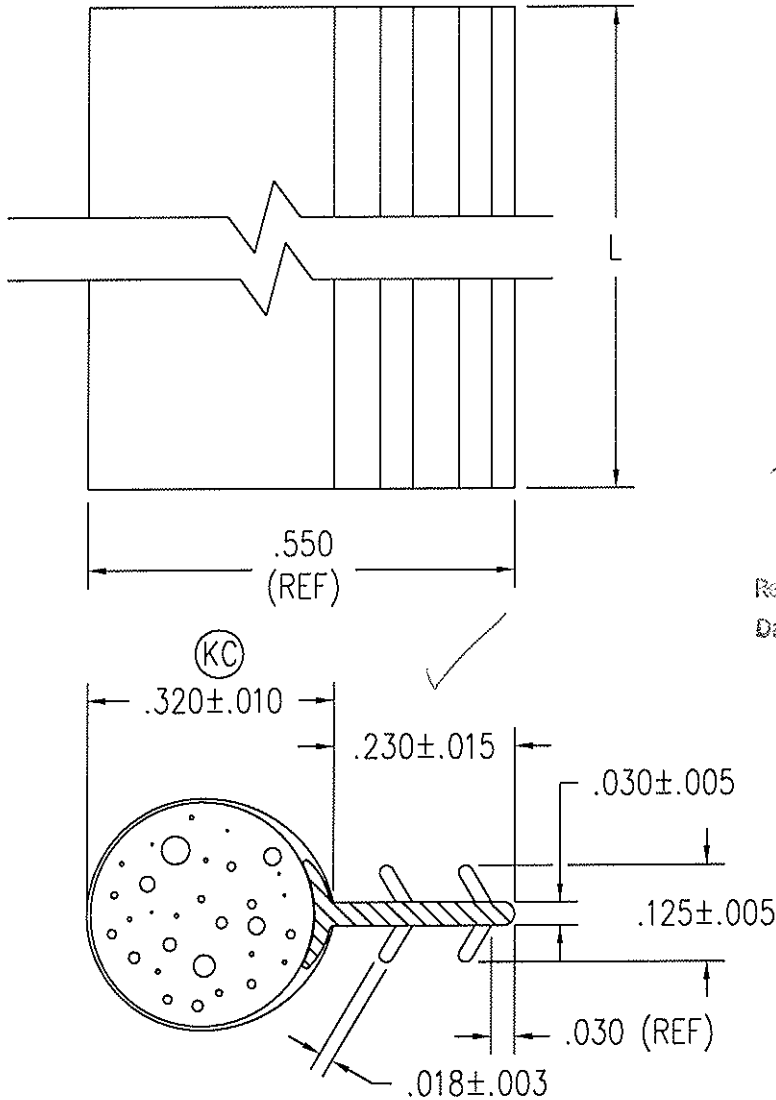
DRWG: 220J

DATE: 5/29/2002

A 01 OF 03

04	ADDED CDHG PICT TO CHART	KJS	0881	3/6/07	MATL:
03	ADDED SIZE FOR IMPACT GLAZING	TWN	0972	9/1/05	EAGLE STD WOOD OFFERINGS
02	CHG'D CLAD PANEL STOP "A" DIM	JH	0794	6/30/05	DFT: JMH
01	ADDED KYLER BLIND SIZE	TWN	0910	4/19/05	DCN: 0650
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 5/29/2002

- 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. $L = ((\text{FRAME HEIGHT} + \text{FRAME WIDTH}) \times 2) - 8 \text{ } 11/16"$ (CASEMENT, AWNING, AND CLAD FRENCH CSMT)
 L (RADIUS CSMT) = USE THE SAME DIMENSIONS AS A NON-RADIUS UNIT OF SAME OVERALL SIZE.
3. MATERIAL: CORE - CLOSED CELL TSE FOAM
 BASE - POLYPROPYLENE COATING
 SKIN - #60 DUROMETER (15% SLIP ADDITIVE) 1
 COMPRESSION FORCE (BY .150) = 13-19 LB/FT.



Test sample conformance with these details.
 Deviations are noted.

Report# 00183
 Date 2/6/08 Tech JK

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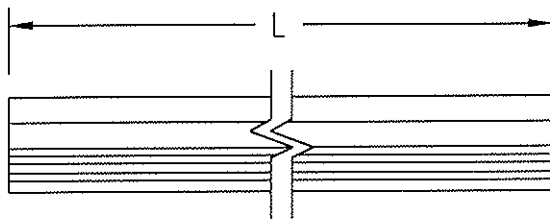
TITLE: BULB WEATHERSTRIP (.320)
 CASEMENT

FINISH: TAN
 PART #12202

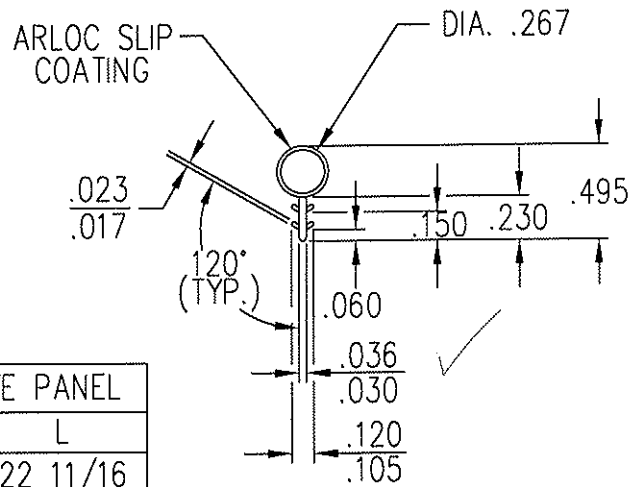
MATL: SEE NOTE 3

02	ADDED FRENCH CASEMENT	RJW	0640	10/14/03	DFT: AWW	SCALE: 4=1
01	ADDED SLIP NOTE	AWW	0795	6/4/2003	DCN: 0679	DRWG: A55N
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 5/15/2002	A 01 OF 01

- 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

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

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

Report# 80183
 Date 2/6/08 Tech JJK

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