

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

Rendered to:

EAGLE WINDOW & DOOR, INC.

SERIES/MODEL: 4030 Series 02 Clad Awning Vent

PRODUCT TYPE: Aluminum Clad Wood Awning

Title	Summary of Results
Primary Product Designator	LC-PG50-AP 1219 x 914 (48 x 36)
Design Pressure	2400 Pa (50.0 psf)
Operating Force (in motion)	18 N (4.0 lbf)
Air Infiltration	<0.05 L/s/m ² (<0.01 cfm/ft ²)
Water Penetration Resistance Test Pressure	510 Pa (10.5 psf)
Uniform Load Structural Test Pressure	±3600 Pa (±75.0 psf)
Forced Entry Resistance	Grade 10

Test Completion Date: 08/07/07

Reference must be made to Report No. 75735.01-201-44, dated 12/08/08 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.: 75735.01-201-44
Test Dates: 08/07/07
Through: 08/08/07
Original Report Date: 08/21/07
Revised Report Date: 12/08/08
Expiration Date: 08/07/11

Project Summary: Architectural Testing, Inc. was contracted by Eagle Window & Door, Inc. to perform testing on a Series/Model 4030 Series 02 Clad Awning Vent, Aluminum Clad Wood Awning. The sample tested successfully met the performance requirements for an LC-PG50-AP 1219 x 914 (48 x 36) rating. Test specimen description and results are reported herein. The sample was provided by the client.

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: 4030 Series 02 Clad Awning Vent

Product Type: Aluminum Clad Wood Awning

Overall Size: 1219 mm (48") wide by 914 mm (36") high

Sash Size: 1181 mm (46-1/2") wide by 876 mm (34-1/2") high

Overall Area: 1.1 m² (12.0 ft²)

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

Test Specimen Description: (Continued)

Frame Construction: The wood frame was comprised of laminated veneer lumber with corners square cut, butted, sealed with silicone and secured with two 16 gauge 11 mm (7/16") by 38 mm (1-1/2") 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 #6 by 11 mm (7/16") screws per corner.

Sash Construction: Sash 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, sealed with silicone 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>
TPE bulb weatherstrip	1 Row	Sash stiles and top rail
One-piece foam filled TPE weatherstrip	1 Row	Interior frame stop perimeter

Glazing Details: The window utilized a nominal 16 mm (5/8") thick insulating glass unit fabricated from two double strength sheets of annealed glass separated by a desiccant-filled metal spacer system. The glass was set from the interior against a hot-melt glazing sealant and back-filled with silicone. Wood glazing stops with single-sided adhesive foam tape were utilized on the interior and secured with 32 mm (1-1/4") 18- gauge brads spaced 25 mm (1") from each corner and 152 mm (6") to 203 mm (8") on center.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Awning hinge with slide shoe	1 pair	Side jambs
Lock with keepers	2	Jambs; 305 mm (12") up from bottom of sash
Roto-operator	1	Midspan of sill
Snubber	3	Head jamb 102 mm (4") from each corner and midspan

Test Specimen Description: (Continued)

Installation: The window was installed within a wood test buck and secured with installation straps. The installation straps were secured to the window frame with two #8 by 16 mm (5/8") screws and to the buck with two #8 by 38 mm (1-1/2") screws, two on the interior and two on the exterior. The installation straps were spaced 152 mm (6") from each corner and midspan on the head and sill and (6") from each corner on the jambs. The unit was additionally secured through the nail flange with 51 mm (2") roof nails spaced 102 mm (4") from each corner and 203 mm (8") on center. The nail flange was sealed to the buck with silicone.

Test Results: The temperature during testing was 26°C (78°F). The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.1	Operating Force per ASTM E 2068		
	Open		
	Initiate motion	71 N (16.0 lbf)	Report Only
	Maintain motion	13 N (3.0 lbf)	30 N (7.0 lbf)
	Close		
	Initiate motion	13 N (3.0 lbf)	Report Only
	Maintain motion	18 N (4.0 lbf)	30 N (7.0 lbf)
	Latches	40 N (9.0 lbf)	100 N (22.5 lbf)
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)	0.10 L/s/m ² (0.02 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 E331	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".*

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 ASTM F 588 Type: B	Grade: 10	
	Disassembly Test	No entry	No entry
	Tests B1 through B3	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
5.3.6.6.6	Awning, Hopper, Projected Hardware Load Test 140 N (30 lbf)	1.8 mm (0.07")	39.4 mm (1.55")

Optional Performance

4.3.2.1	Water Penetration Resistance per ASTM E 547 and E331 510 Pa (10.5 psf)	No leakage	No leakage
4.3.2.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the sash stile) (Loads were held for 60 seconds)		
	2400 Pa (50.0 psf) (positive)	2.5 mm (0.10")	See Note #3
	2400 Pa (50.0 psf) (negative)	1.3 mm (0.05")	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.*

4.3.2.1	Uniform Load Structural per ASTM E 330 (Permanent sets 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, Inc.
Mike Blum	Eagle Window & Door, Inc.
Tony 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 Forms (2)
- Appendix-C: Drawings (16)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	08/21/07	N/A	Original report issue. Report and drawings forwarded to AMS for Hallmark Certification.
1	12/08/08	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 #: 75735.01-201-44-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-652.02

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 02 Axiom Clad Awning Vent 4030
(as to be listed on CCL)

Product Type: Awning

Additional Manufacturer ID #: _____

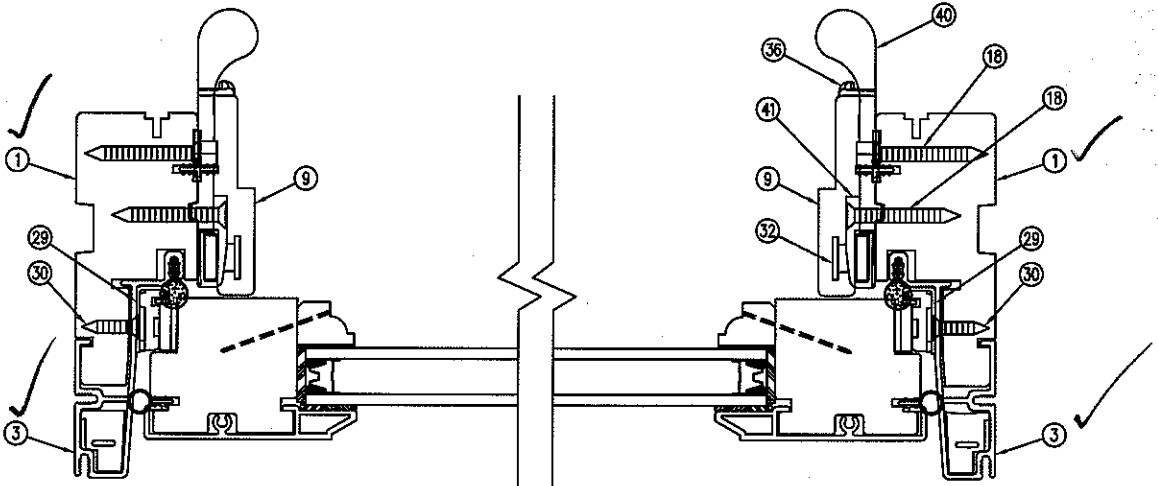
n/a

<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-AP +50/-50
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<input type="checkbox"/>	ASTM E 1996 01 / E1886-97	_____
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<input type="checkbox"/>	ASTM E 1996 03 / E1886-02	_____
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<input type="checkbox"/>	Other:	_____

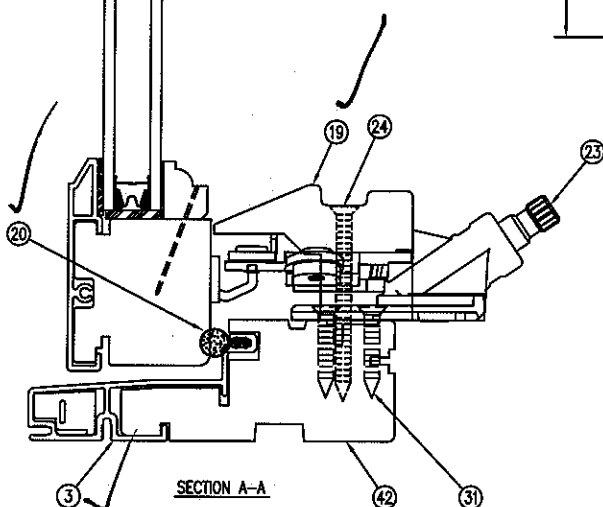
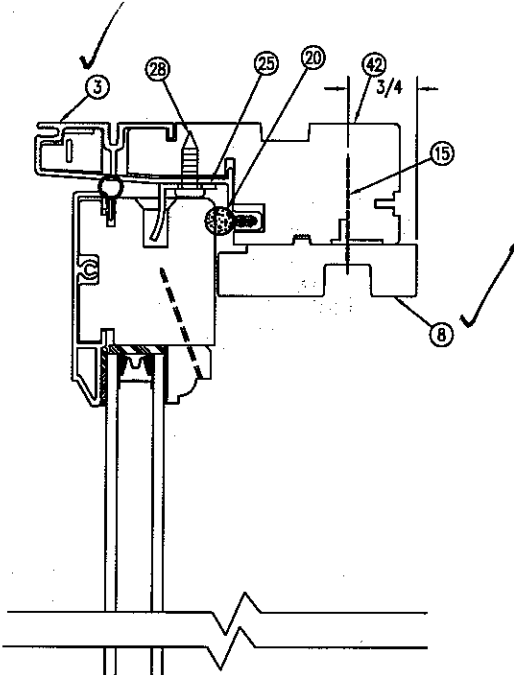
Appendix-C

Drawings

NOTE: 1. STAPLES TO BE 0 TO 1/32" BELOW SIDE STOP SURFACE.
 2. SIDE STOP STAPLES LOCATED 2 ± 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

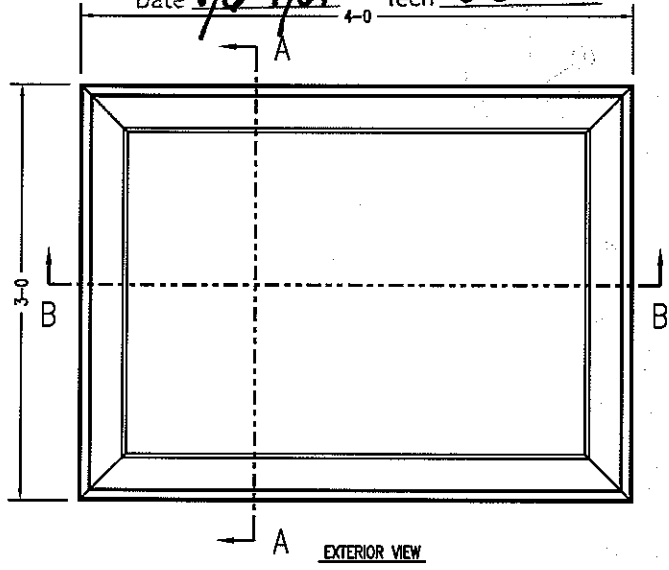


SECTION A-A

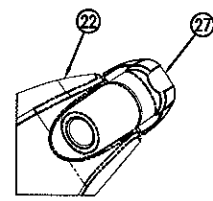


Test sample complies with these details.
 Deviations are noted.

Report# 75735
 Date 8/6-7/07 Tech WS



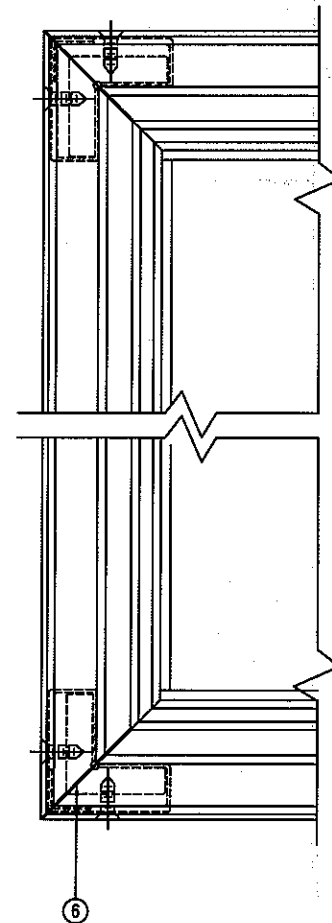
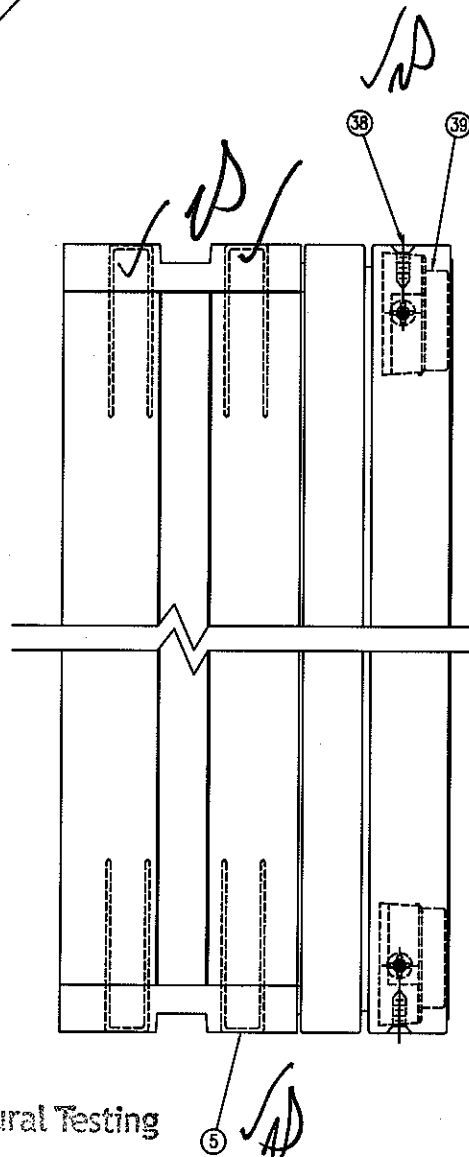
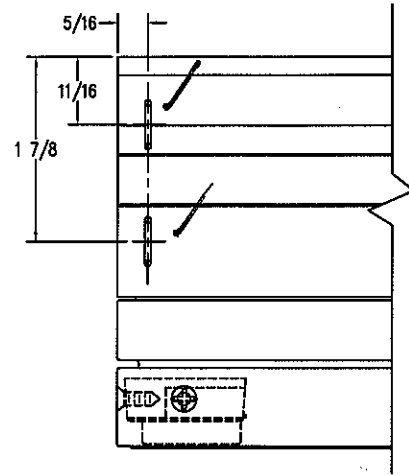
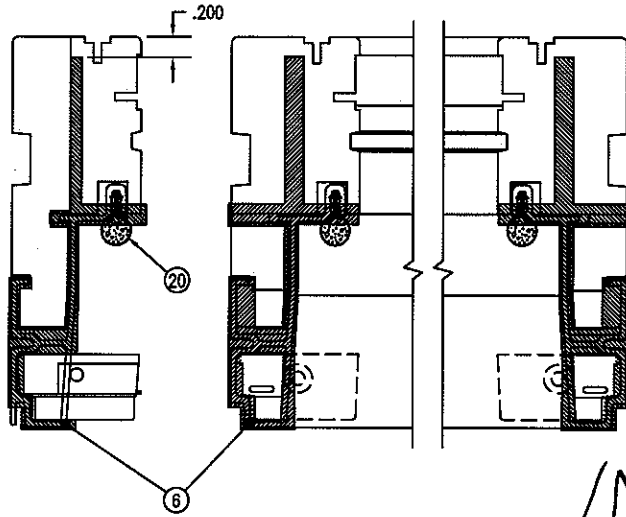
EXTERIOR VIEW



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TITLE: CLAD AWNING VENT UNIT ASSEMBLY			
FINISH:			
MATERIAL:			
DFT: CRC	SCALE: 1=2		
DCN: 0710	DRWG: 054K		
DATE: 7/6/07	C	01 OF 08	

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. INSERT CORNER KEY BEFORE APPLYING SEALANT.



Architectural Testing

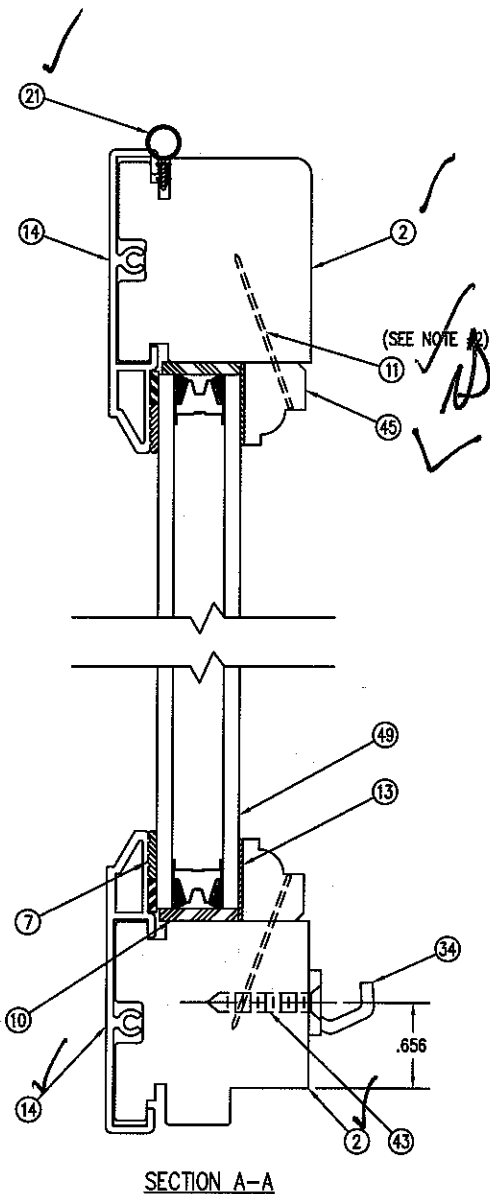
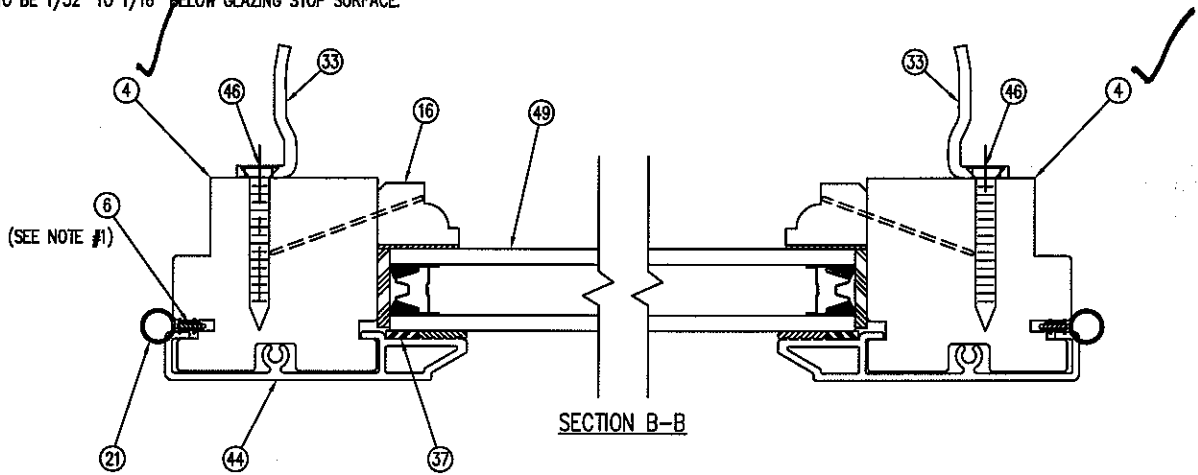
Test sample complies with these details.
Deviations are noted.

Report# 75735
Date 8/6-7/07 Tech AD

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TITLE: CLAD AWNING VENT UNIT ASSEMBLY	
FINISH:	
MATERIAL:	
DFT: CRC	SCALE: 1=2
DCN: 0710	DRWG: 054K
DATE: 7/6/07	C 02

NO	DESCRIPTION	DFT	DOC	DATE

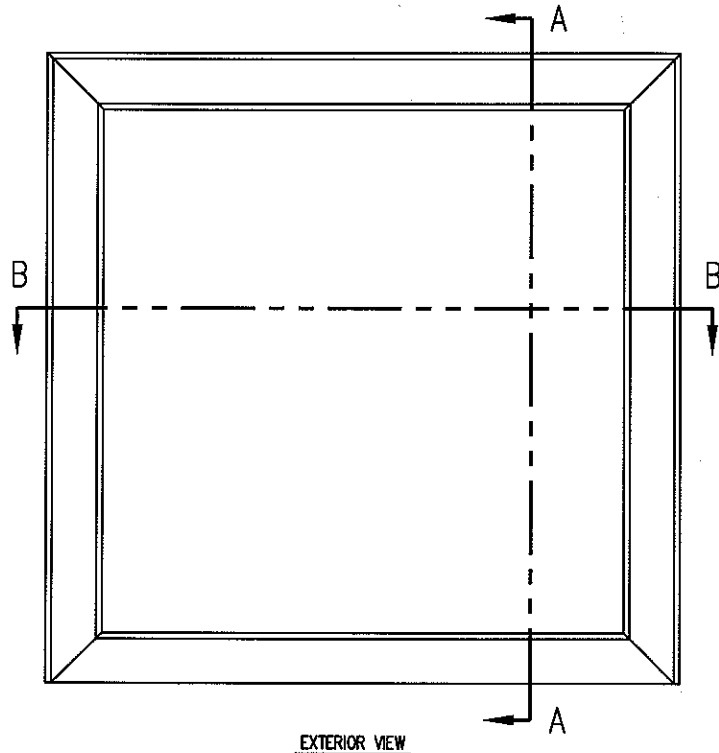
NOTE: 1. SILICONE SEALANT TO BE APPLIED TO THE CORNERS OF THE SASH BULB GROOVE PRIOR TO INSERTING THE BULB WEATHERSTRIP. THE SEALANT SHOULD FILL THE GROOVE FOR APPROX. 1/8" LENGTH FROM EACH CORNER.
 2. BRADS TO BE 1/32" TO 1/16" BELOW GLAZING STOP SURFACE.



Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 75735
 Date 8/6-7/07 Tech AS

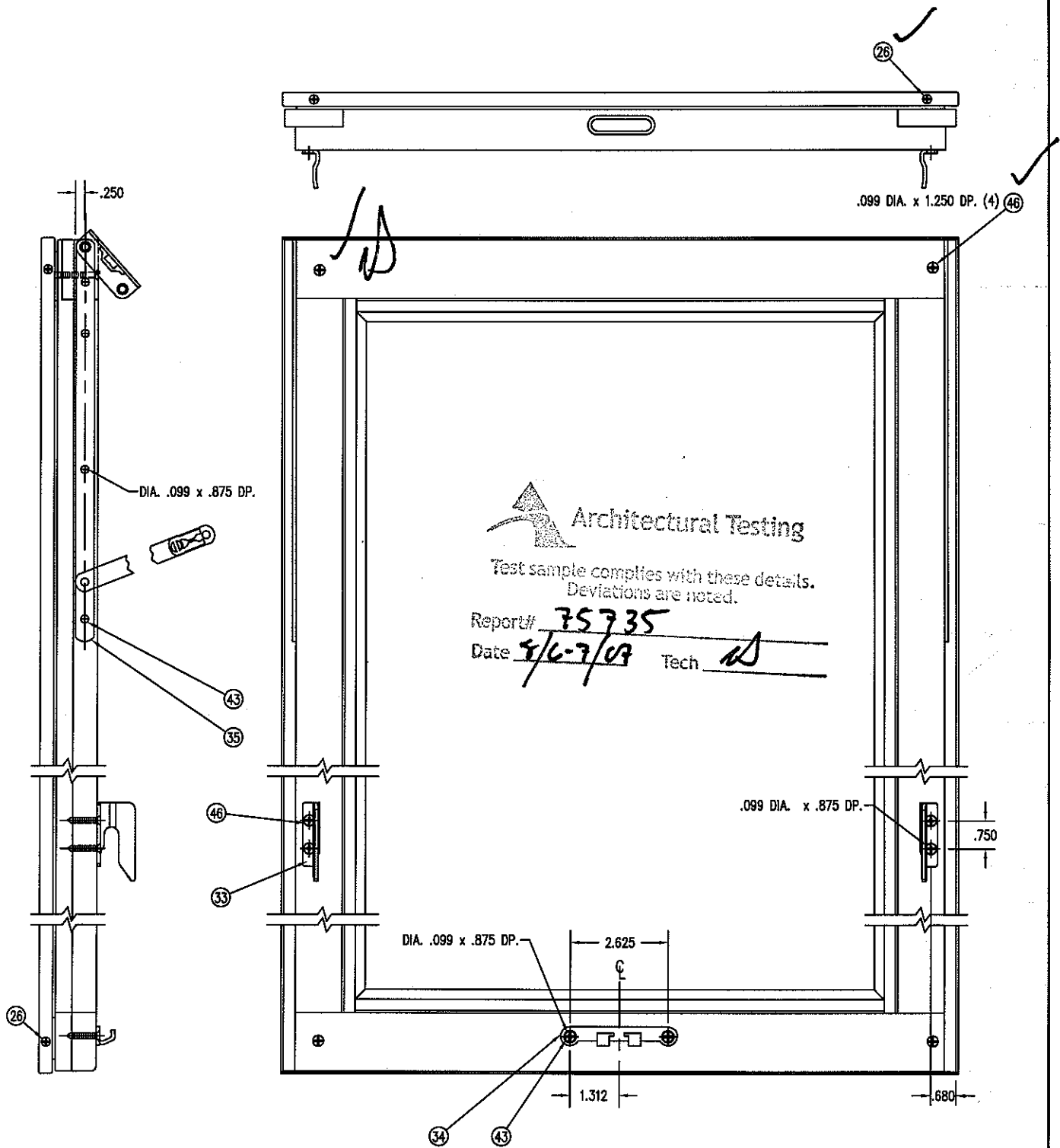


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TITLE: CLAD AWNING VENT SASH ASSEMBLY	
FINISH:	
MATL:	
DFT: CRC	SCALE: 1=1 1/2
DCN: 0710	DRWG: 054K
DATE: 7/6/07	C 03

NO	DESCRIPTION	DFT	DOC	DATE

NOTE: 1. SASH SHOWN WITHOUT WEATHERSTRIP.
 2. NO GAP ALLOWED BETWEEN STILE AND RAIL AT THIS JOINT. OFFSET ALLOWED BETWEEN THESE SURFACES IS A MAXIMUM OF .010".
 OFFSET EXCEEDING .010" MUST BE FINISH SANDED TO .000.



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TITLE: CLAD AWNING VENT SASH ASSEMBLY	
FINISH:	
MATERIAL:	
DFT: CRC	SCALE: 1=4
DCN: 0710	DRWG: 054K
DATE: 7/6/07	C 04

NO	DESCRIPTION	DFT	DOC	DATE

NO.	DWG. NO.	PART DESCRIPTION	QUANTITY	MATERIAL	SUPPLIER
1	228L	SIDE JAMB	2	WOOD (LVL)	EAGLE WINDOW & DOOR
2	21DE	RAIL	2	WOOD	EAGLE WINDOW & DOOR
3	A04A	FRAME CLADDING	4	ALUMINUM	BONNELL
4	21DF	STILE	2	WOOD	EAGLE WINDOW & DOOR
5	A15Y	7/16" X 1 1/2" 16 GA. STAPLE	AS REQUIRED	STEEL	PACKAGING CORP.
6	A030	SILICONE SEALANT	AS REQUIRED	SILICONE	DOW CORNING
7	A51H	INSTANT GLAZE II SEALANT	AS REQUIRED	SILICONE	DOW CORNING
8	220T	HEAD STOP	1	WOOD	EAGLE WINDOW & DOOR
9	2209	LOCK SIDE STOP	2	WOOD	EAGLE WINDOW & DOOR
10	A00E	GLASS SETTING BLOCK	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
11	A40F	1 1/4" HARDENED STEEL BRAD - 18 GA.	AS REQUIRED	STEEL	ABILITY FASTENERS
12	A08W	CORNER KEY	4	ABS COMPOUND	LAKE COUNRTY SALES
13	A67M	FOAM TAPE (GLASS STOP TAPE)	AS REQUIRED	POLYETHELENE	ADHESIVE RESEARCH
14	A07L	RAIL CLADDING	2	ALUMINUM	BONNELL
15	A00L	3/16 X 1 1/8 STAPLE	AS REQUIRED	GALVANIZED STEEL	ABILITY FASTENERS
16	220J	VERTICAL GLAZING STOP	2	WOOD	EAGLE WINDOW & DOOR
17	A01D	WOOD ADHESIVE	AS REQUIRED	COPOLYMER	NATIONAL STARCH
18	A070	#7 X 1 1/4" FH WS	AS REQUIRED	STAINLESS STEEL	ABILITY FASTENERS
19	223N	SILL COVER	1	WOOD	EAGLE WINDOW & DOOR
20	A55N	FRAME WEATHERSTRIP	4	CLOSED CELL FOAM	AMESBURY
21	A283	HEAD BULB WEATHERSTRIP	1		
	A32N	SIDE BULB WEATHERSTRIP	2	PPR	INTEK
22	A66T	OPERATOR COVER (PLASTIC)	1	PLASTIC	
	A66W	OPERATOR COVER (ZINC DIE-CAST)		ZINC	ASHLAND HARDWARE
23	A66L	20.5" AWNING OPERATOR AFW >=32"	1	STEEL	ASHLAND HARDWARE
24	A00N	#8 X 2 1/8" FHSMS Z&Y	AS REQUIRED	STEEL	SILLCVRSCR
25	A219	SASH RETAINER	1	STEEL	ALLMETAL
26	A08L	#5 X 1 1/2" FHES	4	STAINLESS STEEL	ABILITY FASTENERS
27	A66R	FOLDING CRANK HANDLE	1	STEEL	ASHLAND HARDWARE
28	A279	#8 X 5/8" PH WS	2	STAINLESS STEEL	ABILITY FASTENERS
29	A673	HINGE TRACK - 10" (S.S.)	2		
	A678	HINGE TRACK - 22" (S.S.)		STEEL	ALLMETAL
30	A00R	#7 X 5/8" SS FH. WS.	AS REQUIRED	STAINLESS STEEL	ABILITY FASTENERS
31	A00P	#8 X 1" FH SMS	AS REQUIRED	STEEL	ABILITY FASTENERS
32	A560	MULTI-POINT LOCK BAR	2	STEEL	ASHLAND HARDWARE
33	A549	LOCK KEEPER	2	STEEL	ASHLAND HARDWARE
34	A66P	SASH HOOK	1	STEEL	ASHLAND HARDWARE
35	A674	SUPPORT ARM - 10" (S.S.)	2		
	A677	SUPPORT ARM - 22" (S.S.)		STEEL	ALLMETAL
36	A543	CSMT / AWNING BEZEL (PLASTIC)	2	PLASTIC	
	A544	CSMT / AWNING BEZEL (ZINC DIE-CAST)		ZINC	ASHLAND HARDWARE
37	A08K	GLAZING SHIM	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
38	A11K	#8 X 7/16" FHSMS W/ #6 HEAD	8	STAINLESS STEEL	ABILITY FASTENERS
39	A100	CORNER KEY	4	NYLON	LAKE COUNRTY SALES
40	A551	LOCK HANDLE	2	DIE CAST ZINC	ASHLAND HARDWARE
41	A550	LOCK BAR GUIDE	2	PLASTIC	ASHLAND HARDWARE
42	220M	HEAD & SILL	2	WOOD	EAGLE WINDOW & DOOR
43	A00T	#7 X 7/8" FLAT HEAD WOOD SCREW	AS REQUIRED	STAINLESS STEEL	ABILITY FASTENERS
44	A13C	STILE CLADDING	2	ALUMINUM	BONNELL
45	220N	HORIZONTAL GLAZING STOP	2	WOOD	EAGLE WINDOW & DOOR
46	A39W	#7 X 1 1/4" FHSMS S.S.	8		
	A54N	#6 X 1 1/4" 410 S.S. TEKS FH (FOR HARDW		STAINLESS STEEL	ABILITY FASTENERS
47	A08J	5/8" INSULATED GLASS	1	GLASS	CARDINAL IG
48	H-40	5/8" BETWEEN GLASS MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
49	P/PPD	1" CONTOUR MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
50	220H	1 1/2" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
51	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
52	A507	1 1/2" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
53	A67X	1 1/2" MDL ADHESIVE TAPE (EXTERIOR TA	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
54	A67L	1 1/2" MDL ADHESIVE TAPE (INTERIOR TA	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
55	220H	1 1/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
56	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
57	A507	1 1/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
58	A67W	1 1/8" MDL ADHESIVE TAPE (EXTERIOR TA	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
59	A67R	1 1/8" MDL ADHESIVE TAPE (INTERIOR TA	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
60	220H	7/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
61	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
62	A507	7/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
63	A67T	7/8" MDL ADHESIVE TAPE (EXTERIOR TA	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
64	A67N	7/8" MDL ADHESIVE TAPE (INTERIOR TA	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
65	N/A	ADHESIVE TAPE	AS REQUIRED	POLYETHYLENE	CARDINAL IG



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report#

75735

Date

8/16-3/07

Tech

TITLE: CAV UNIT ASSEMBLY
FOR CONCEALED LOCK

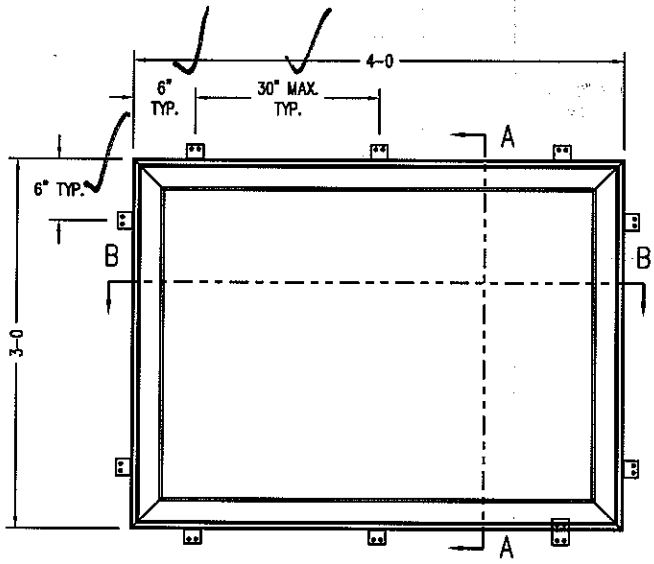
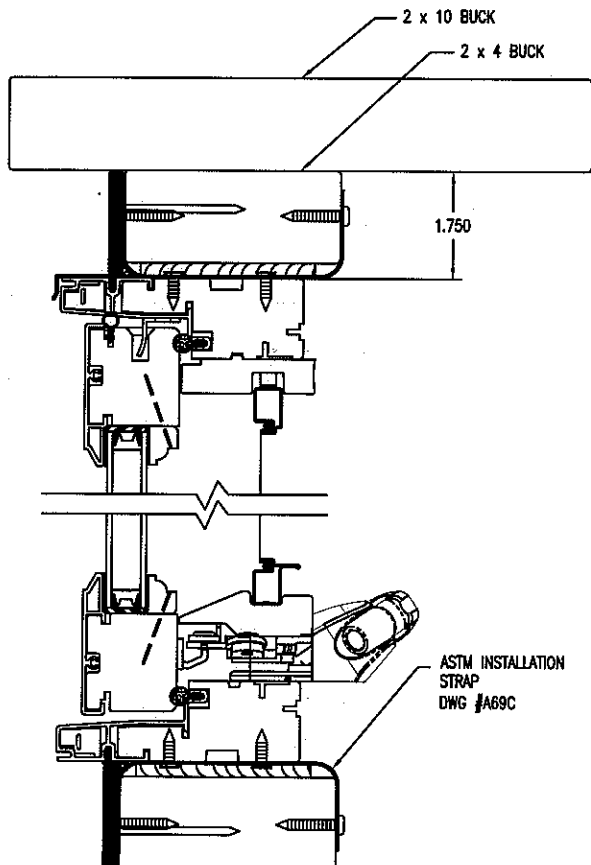
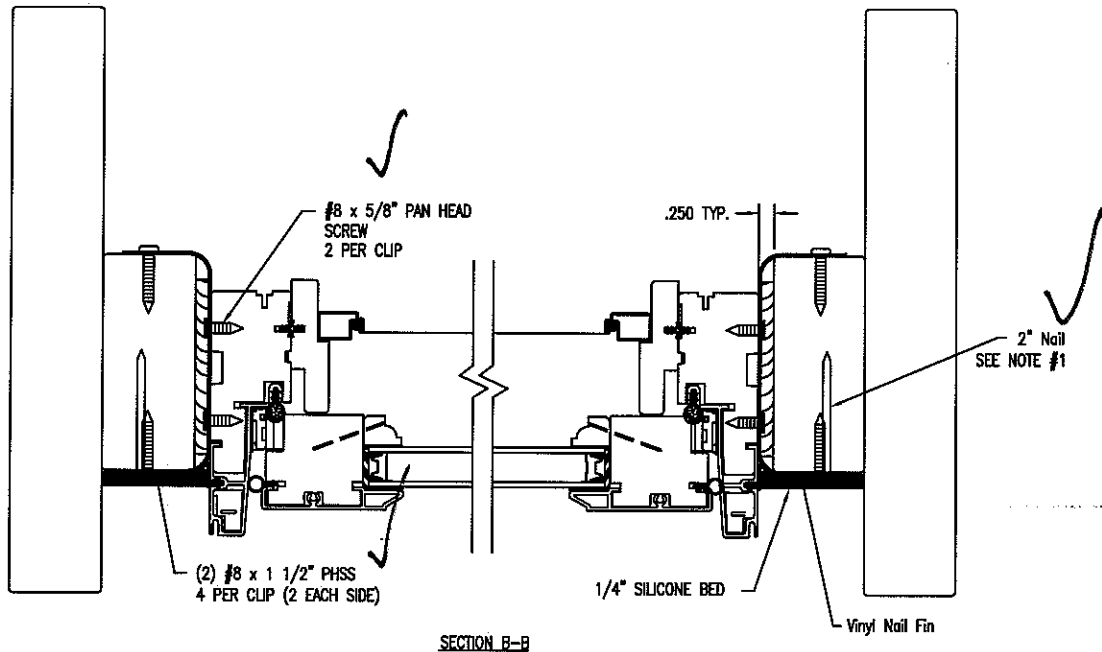
FINISH:

MATL:

DFT: CRC SCALE: 1=1
DCN: 0710 DRWG: 054K

NO	DESCRIPTION	DFT	DOC	DATE	DATE: 07/09/07	C 08
----	-------------	-----	-----	------	----------------	------

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

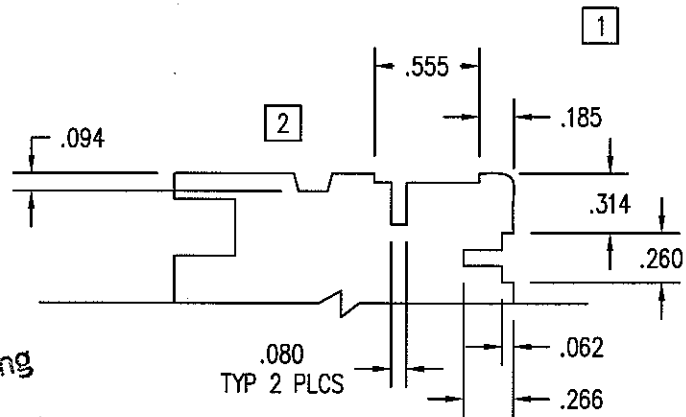
Test sample complies with these details.
Deviations are noted.

Report# **75735**
Date **8/6-7/07** Tech **JD**

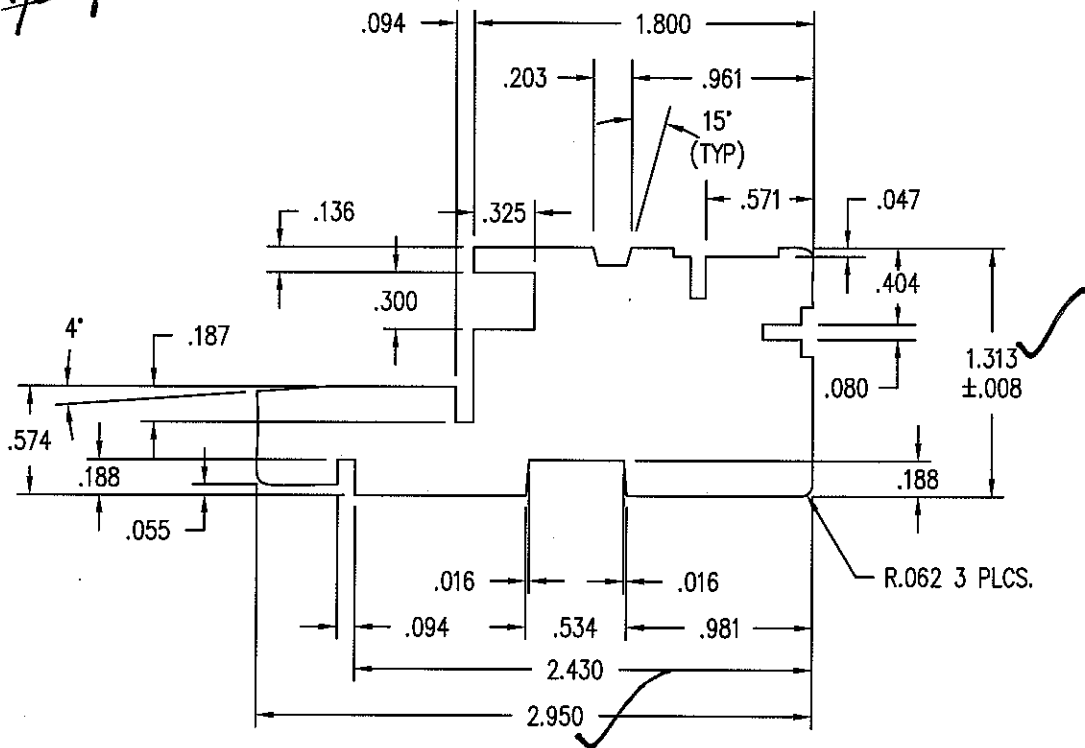
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TITLE:		CLAD AWNING INSTALLATION DETAIL	
FINISH:			
MATERIAL:			
DFT:	CRC	SCALE:	1=3
DCN:	1099	DRWG:	054J
DATE:	7/6/07	C	04

NO	DESCRIPTION	DFT	DOC	DATE

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.

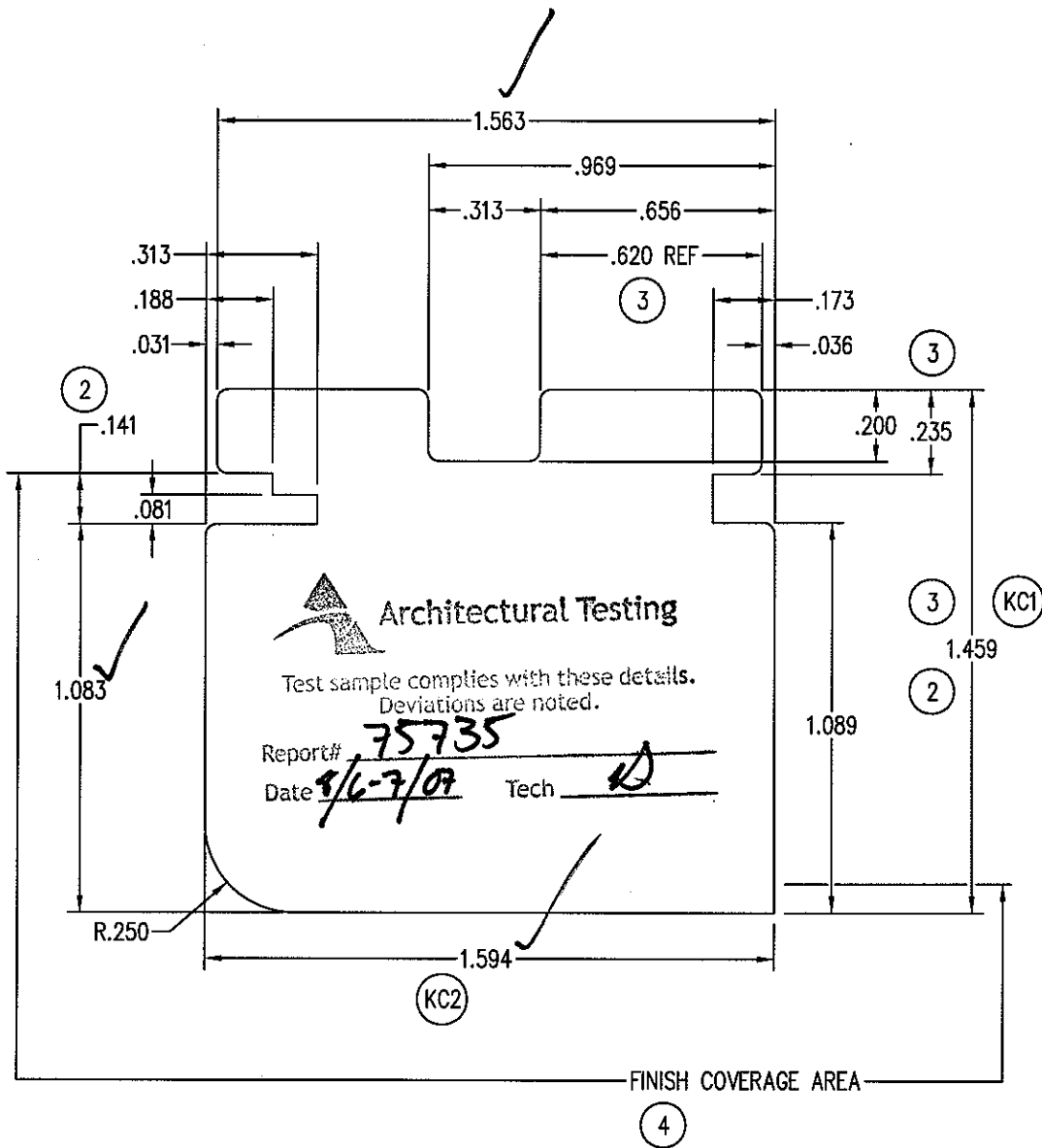


Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# 75735
 Date 9/6-7/07 Tech [Signature]



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. REVISION: 220L 2 01 of 03
Drafter: JMH		DCN# 0925		

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.

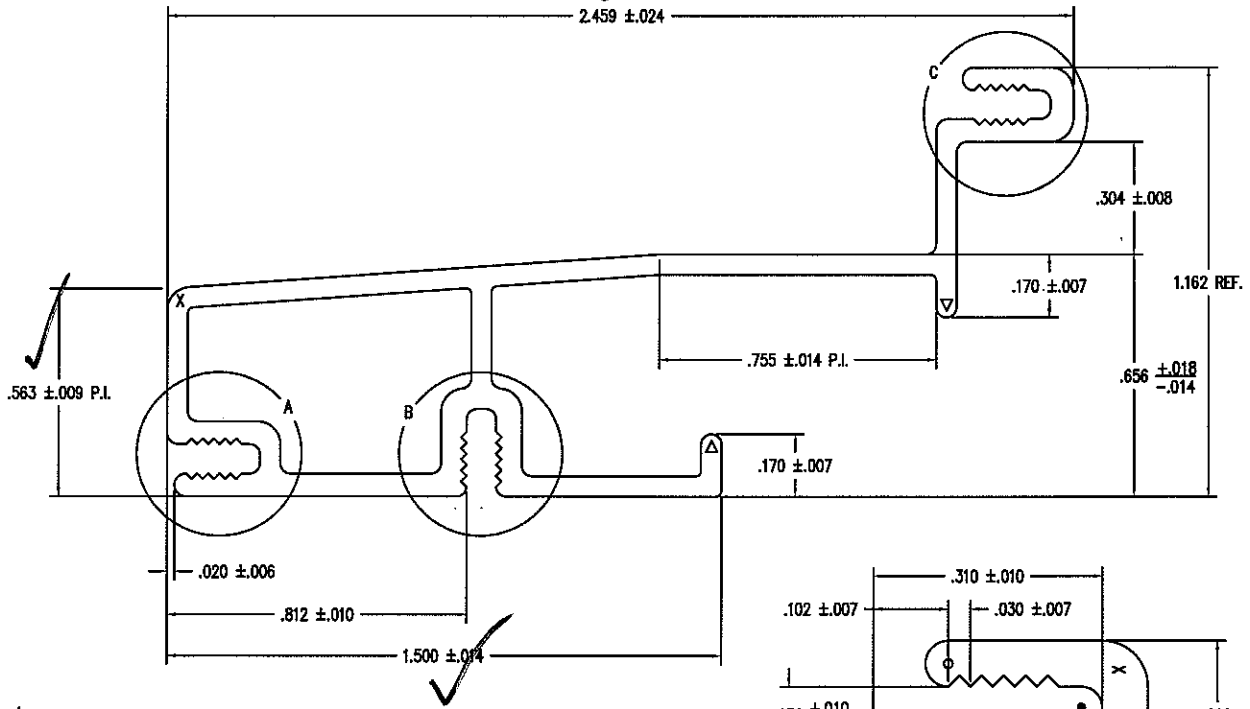
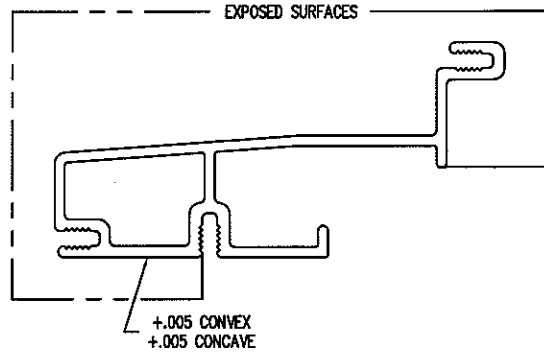


NO	Description of Change	Drafter	DCN#	Date
05	ADDED DIMENSION	TWN	TRKR	9/03/2006
04	ADDED COVERAGE AREA, AND CHANGED TITLE BLOCK	JH	0924	9/17/2004
03	REVISED DIMENSIONS	TWN	0874	3/12/2004
02	REVISED DIM'S	CEL	0394	4/15/1999
01	ADDED FINISH/MAT'L INFO	DJF	0300	4/9/1998

Title: CLAD CSMT STILE		Finish:	Material: CLEAR PINE
Scale: 1/2"=1"	Date: 8/7/1995	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: CEL	DCN# 0154		

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.

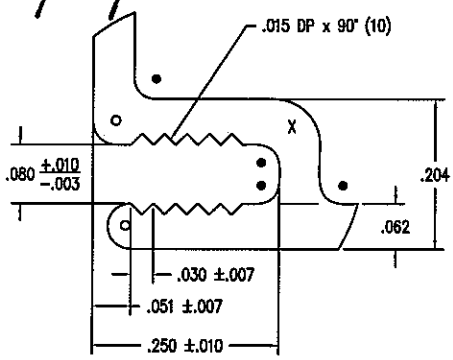
- R .028 (15)
- R .031 (4)
- X R .062 (6)
- △ FULL RAD.(2)



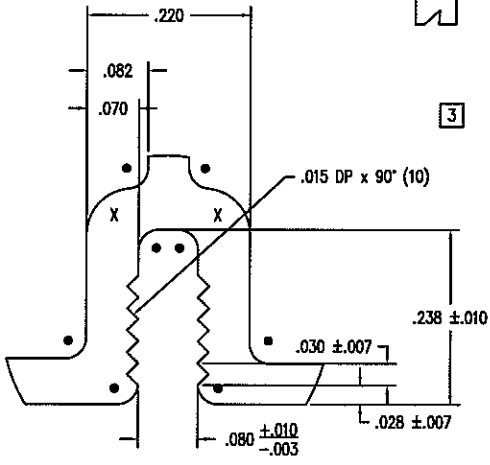
Architectural Testing

Test sample complies with these details.
 Deviations are noted.

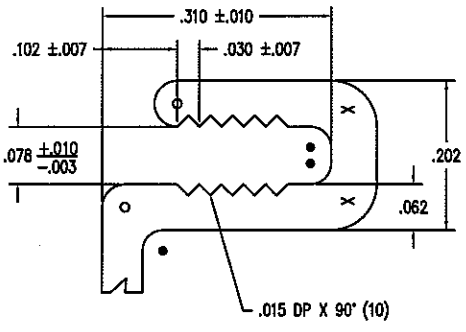
Report# 75735
 Date 8/6-7/02 Tech ND



DETAIL "A"



DETAIL "B"



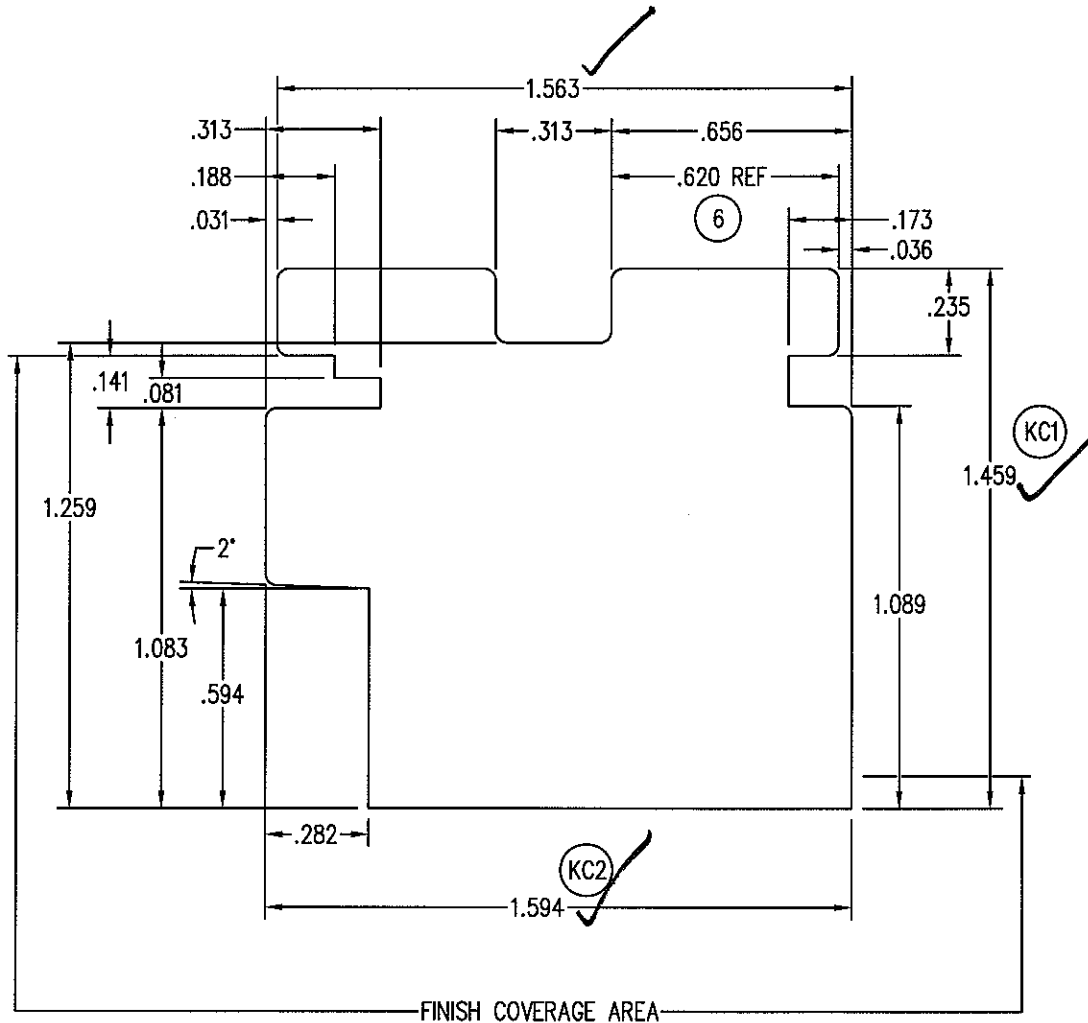
3 DETAIL "C"

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 TITLE: FRAME COVER GLAZING

FINISH: EAGLE'S STD. COLORS

05	ADDED/CHG'D DIM. & TOLERANCE	TWN	0778	14/4/2003			
04	ADDED TOLERANCE SPECS	TWN	0595	8/31/2001	MATL:	6063 T-6 ALUMINUM	
03	REVISED PROFILE	CEL	0368	8/27/1998		OR EQUIVALENT	
02	REVISED PROFILE	RDA	0272	8/17/1997	DFT:	REL	SCALE: 2=1
01	CHANGED NOTES	GDE	0048	8/7/1992	DCN:	0004	DRWG: A04A
NO	DESCRIPTION	DFT	DOC	DATE	DATE:	7/21/1992	C 01 OF 02

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.



FINISH COVERAGE AREA

(5)



Test sample complies with these details.
 Deviations are noted.

Report# 75735
 Date 8/6-7/07 Tech [Signature]

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		Material: EAGLE'S STD WOOD SPECIES		
Scale: 1/2"=1"		Date: 8/7/1995		
Drafter: CEL		DCN# 0154		
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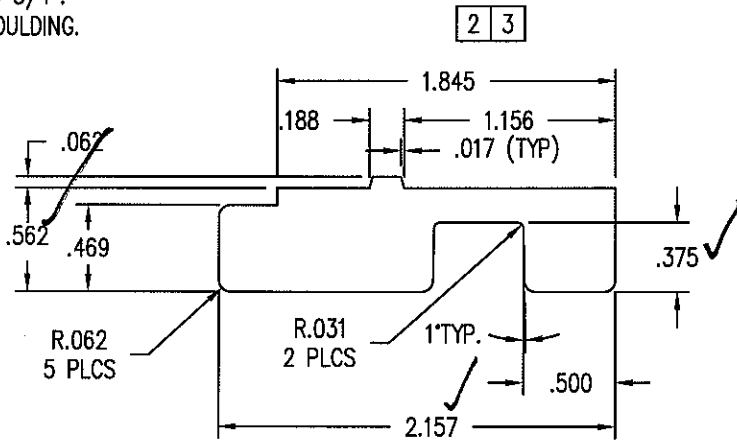
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.
2. CASEMENT, L = FRAME WIDTH - 3 1/2".
3. O/S VENTING SDLT, L = AFH - 3 3/4".
4. HOLD 1.062 AT TENON BEFORE MOULDING.



Architectural Testing

Test sample complies with these details. Deviations are noted.

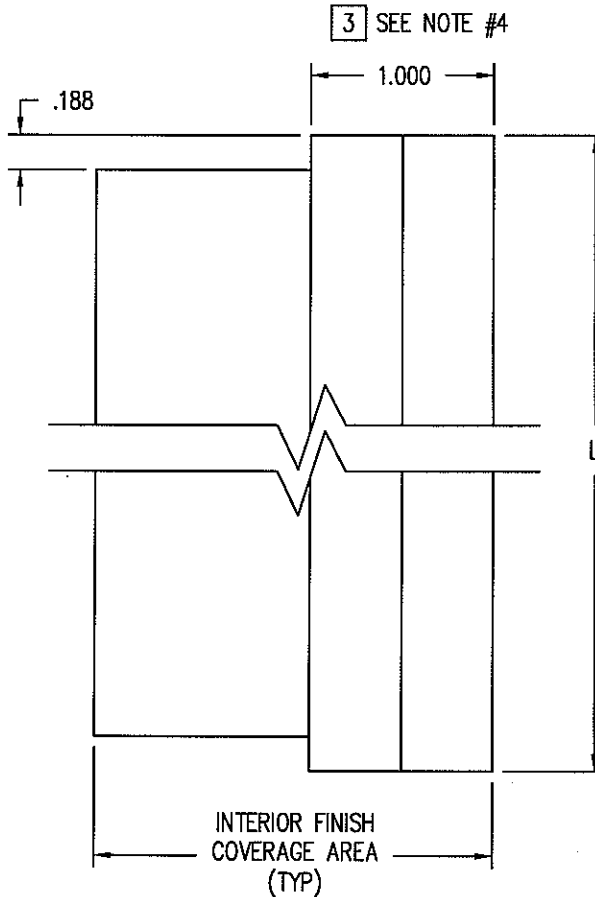
Report# 75735
 Date 8/16-7/07 Tech AD



CSMT HEAD STOP	
FRAME WIDTH	L
17 3/4	14 1/4
20	16 1/2
24	20 1/2
28	24 1/2
30	26 1/2
32	28 1/2
36	32 1/2
40	36 1/2
48	44 1/2

O/S VENTING SDLT SIDE STOP	
FRAME WIDTH	L
79 5/16	75 9/16
81 5/16	77 9/16
83 5/16	79 9/16
95 5/16	91 9/16

[4]



NO	Description of Change	Drafter	DCN#	Date
04	ADDED OUTSWING VENTING SIDELITE CHART	TWN	0952	03/31/06
03	REMOVE KERF	RDA	1000	01/10/05
02	REVISED PROFILE - ADDED CONCEALED FASTENER KERF	RDA	0925	02/22/05
01	ADDED NOTE #3	JH	0893	06/11/04

Title: HEAD STOP	Finish: INTERIOR FINISH SEE A02F	Material: EAGLE STANDARD SPECIES
Scale: 1=1	Date: 5/29/2002	Revision: 220T
Drafter: JMH	DCN#: 0681	4 01 of 01

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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 .469	SINGLE GLAZED H. MSTR MONO	.680



Architectural Testing

Test sample complies with these details. Deviations are noted.

Report# 75735
Date 8/6-7/07 Tech *W*

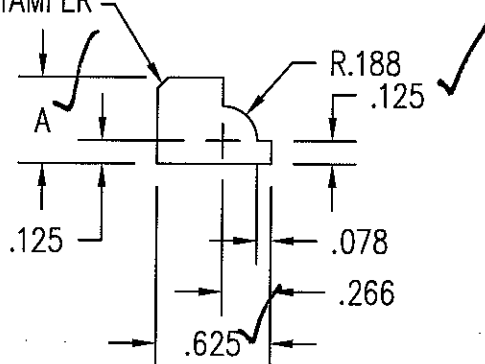
PANEL STOPS	
PRODUCT	A
WOOD OUTSWING SIDELITE	.469
WOOD OUTSWING TRANSOM	.469
WOOD INSWING SIDELITE	.469
WOOD INSWING TRANSOM	.469

2

1

3

.062 x .062 CHAMFER



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TITLE: COLONIAL GLAZING STOP

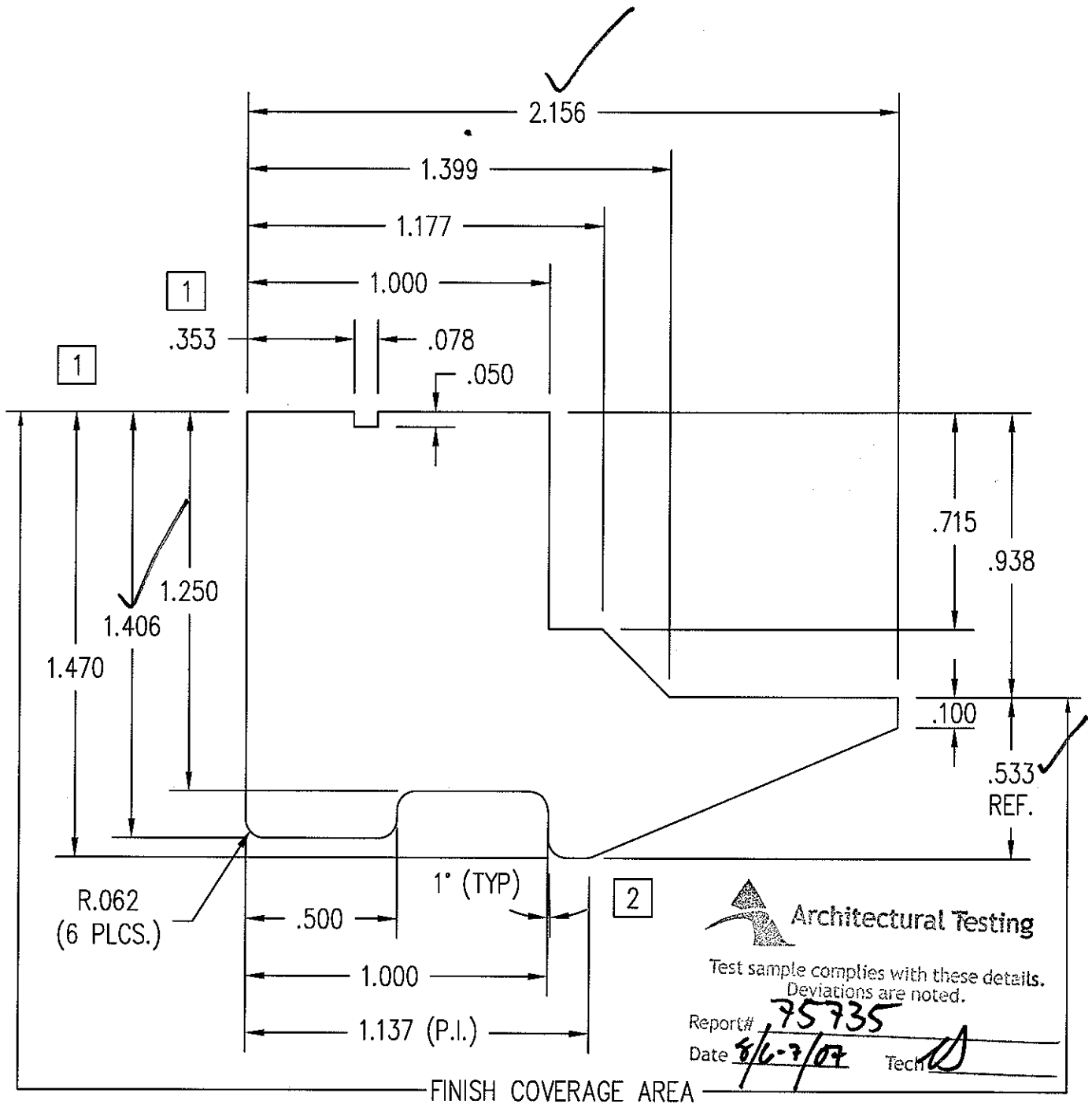
FINISH:

MATL:

EAGLE STD WOOD OFFERINGS

03	ADDED SIZE FOR IMPACT GLAZING	TWN	0972	9/1/05		
02	CHG'D CLAD PANEL STOP "A" DIM	JH	0794	6/30/05	DFT: JMH	SCALE: 1=1
01	ADDED KYLER BLIND SIZE	TWN	0910	4/19/05	DCN: 0650	DRWG: 220J
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 5/29/2002	A 01 OF 03

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



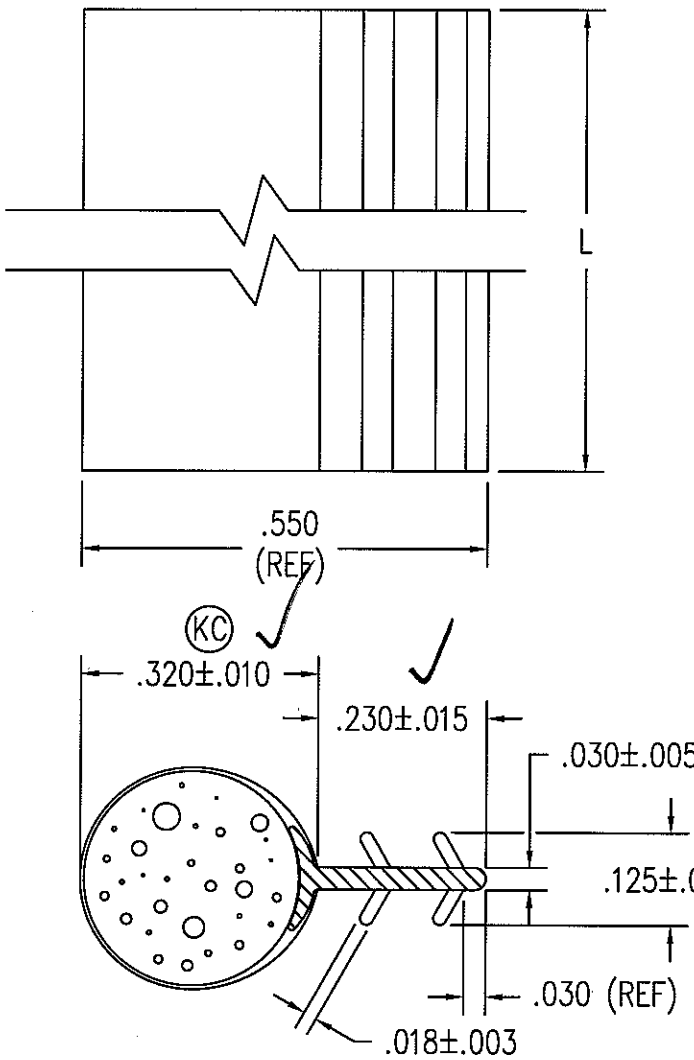
Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# **75735**
Date **8/6-7/07** Tech **[Signature]**

02	CHANGED OVERALL PART HEIGHT, 1.470 WAS 1.485	TWN	1105	5/16/2007
01	CHANGED OVERALL HEIGHT AN ADDED I.D. NOTCH	TWN	0927A	3/9/2005
NO	Description of Change	Drafter	DCN#	Date
Title: CSMT/AWN SILL COVER CONCEALED LOCK		Finish:		Material
Scale: 1/2"=1" Date: 9/23/2004		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: 223N
Drafter: pblasen DCN# 0927				2 01 of 05

- 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.



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

Report# 75735
 Date 6/7/07 Tech D

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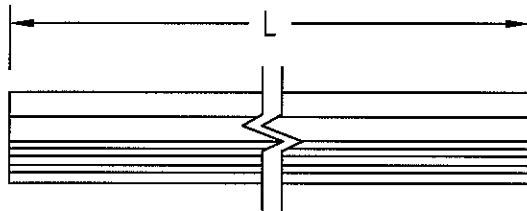
TITLE: BULB WEATHERSTRIP (.320) CASEMENT

FINISH: TAN
 PART #12202

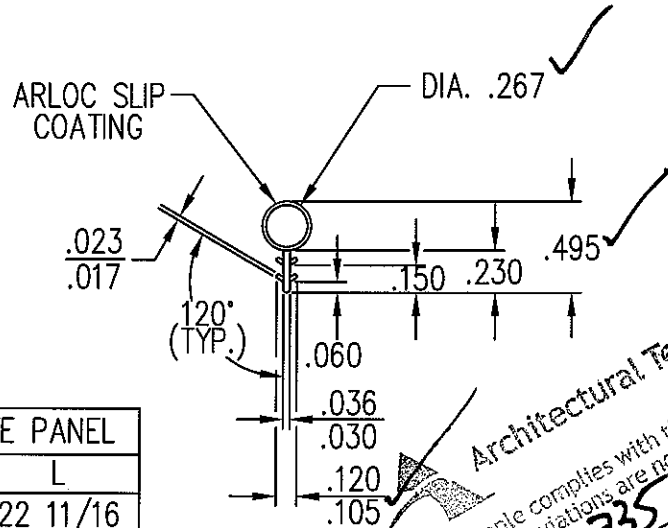
MATL: SEE NOTE 3

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

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

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

Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# 75735
 Date 4/6-7/03
 Tech [Signature]

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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