

**AAMA/WDMA/CSA 101/IS.2/A440-05
TEST REPORT**

Rendered to:

EAGLE WINDOW & DOOR COMPANY

**PRODUCT TYPE: Series 01 Axiom Clad One-Piece Casement Fixed 4060
SERIES/MODEL: Aluminum Clad Fixed Wood
Window with Impact Glass**

Title	Summary of Results
Primary Product Designator	FW-R70 1219 x 1829 (48 x 72)
Design Pressure	3360 Pa (70.0 psf)
Negative Design Pressure	3840 Pa (80.0 psf)
Air Infiltration	<0.05 L/s/m ² (<0.01 cfm/ft ²)
Water Penetration Resistance Test Pressure	580 Pa (12.0 psf)
Uniform Load Structural Test Pressure	+5040, -5760 Pa (+105.0, -120.0 psf)
Forced Entry Resistance	Grade 40

Test Completion Date: 05/16/07

Reference must be made to Report No. 73105.01-201-44, dated 07/11/07 for complete test specimen description and data.

AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT

Rendered to:

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

Report No.: 73105.01-201-44
Test Dates: 05/14/07
Through: 05/16/07
Report Date: 07/11/07
Expiration Date: 05/14/11

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Eagle Window & Door to perform testing on Series 01 Axiom Clad One-Piece Casement Fixed 4060, Aluminum Clad Fixed Wood window with impact glass. The sample tested successfully met the performance requirements for a FW-R70 1219 x 1829 (48 x 72) 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/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights*.

Test Specimen Description:

Series/Model: Series 01 Axiom Clad One-Piece Casement Fixed 4060

Type: Aluminum Clad Fixed Wood Window with Impact Glass

Overall Size: 1219 mm (48") wide by 1829 mm (72") high

Sash Size: 1181 mm (46-1/2") wide by 1791 mm (70-1/2") high

Area: 2.2 m² (24.0 ft²)

Finish: Exterior cladding was painted; interior wood was natural.

Frame Construction: The wood frame was comprised of laminated veneer lumber with corners square cut, butted, sealed with silicone and secured with two 11 mm (7/16") by 38 mm (1-1/2") staples and 38 mm (1-1/2") by 25 mm (1") corrugated fastener 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, two #6 by 11 mm (7/16") screws per corner and one #10 by 64 mm (2-1/2") screw per corner.

Test Specimen Description: (Continued)

Sash Construction: The wood sash utilized lap-joint construction and was fastened with glue and one 5 mm (3/16") by 29 mm (1-1/8") staple per corner. The sash assembly was set into the frame assembly and held in place by wood frame stops secured with 5 mm (3/16") by 29 mm (1-1/8") staples located 25 mm (1") from each corner and 152 mm (6") to 203 mm (8") on center.

Glazing Details: The window utilized a nominal 19 mm (3/4") thick insulating glass unit fabricated from one nominal 4 mm (5/32") sheet of heat strengthened glass and one laminated sheet of glass separated by a desiccant-filled aluminum box spacer system. The laminated glass was comprised of two nominal 3 mm (1/8") annealed sheets with a 2 mm (0.090") SGP interlayer. 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") brad nails spaced 25 mm (1") from each corner and 152 mm (6") to 203 mm (8") on center.

Installation: The window was installed within a wood test buck. The window was anchored to the buck with #10 by 64 mm (2-1/2") wood screws. The screws were located 152 mm (6") from each corner and spaced 305 mm (12") on center. Silicone sealant was used to seal the window to the 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>
5.3.2	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/A440-05 for air leakage resistance.*

5.3.3 Water Penetration Resistance per ASTM E 547 and E 331 (See Note #2)

5.3.4.2 Uniform Load Deflection per ASTM E 330 (See Note #2)

5.3.4.3 Uniform Load Structural per ASTM E 330 (See Note #2)

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

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: D	Grade: 40	
	Lock Hardware Manipulation Test	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry

Optional Performance

4.4.2.6	Water Penetration Resistance per ASTM E 547 and E 331 580 Pa (12.0 psf)	No leakage	No leakage
4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the frame between anchors) (Loads were held for 60 seconds)		
	3360 Pa (70.0 psf) (positive)	<0.25 mm (<0.01")	See Note #3
	3840 Pa (80.0 psf) (negative)	0.25 mm (0.01")	See Note #3

Note #3: *The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the frame between anchors) (Loads were held for 10 seconds)		
	5040 Pa (105.0 psf) (positive)	<0.25 mm (<0.01")	1.78 mm (0.07") max.
	5760 Pa (120.0 psf) (negative)	<0.25 mm (<0.01")	1.78 mm (0.07") max.

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

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. 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 specimen(s) 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 (13)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	07/11/07	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

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

Contact: Todd Bergstrom

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

Phone: 563-556-2270

Test Report #: 73105.01

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-624

Difference from Certified Product: Re-Certification – Report 02-43980 expires 6/16/07

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: **Axiom Clad Casement Fixed**
(as to be listed on CCL)

Product Type: Fixed

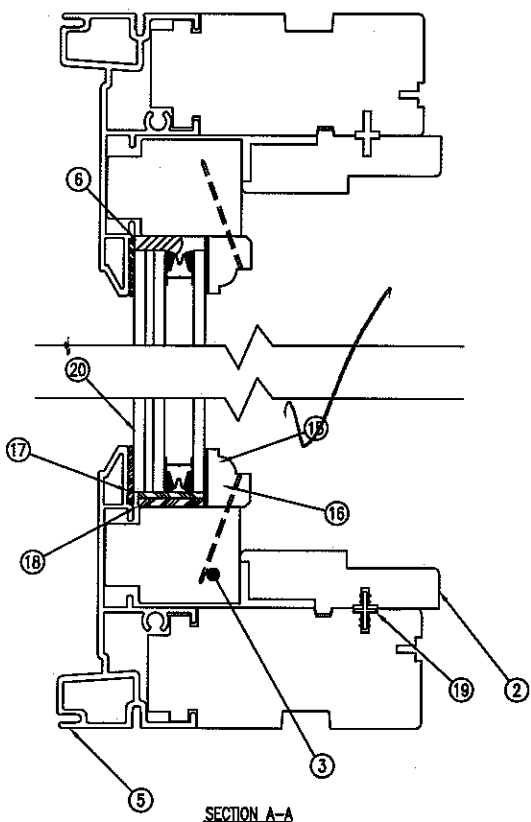
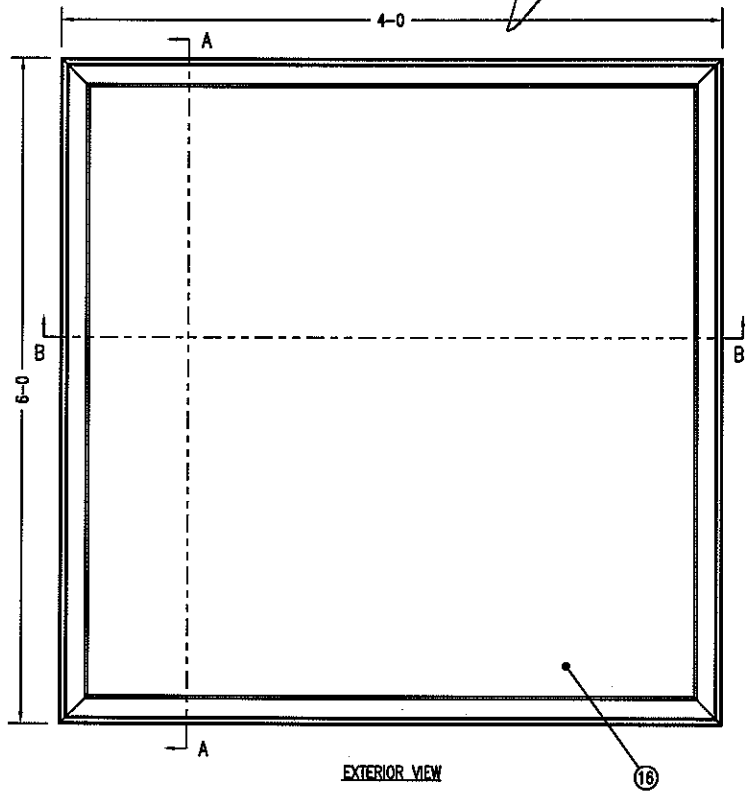
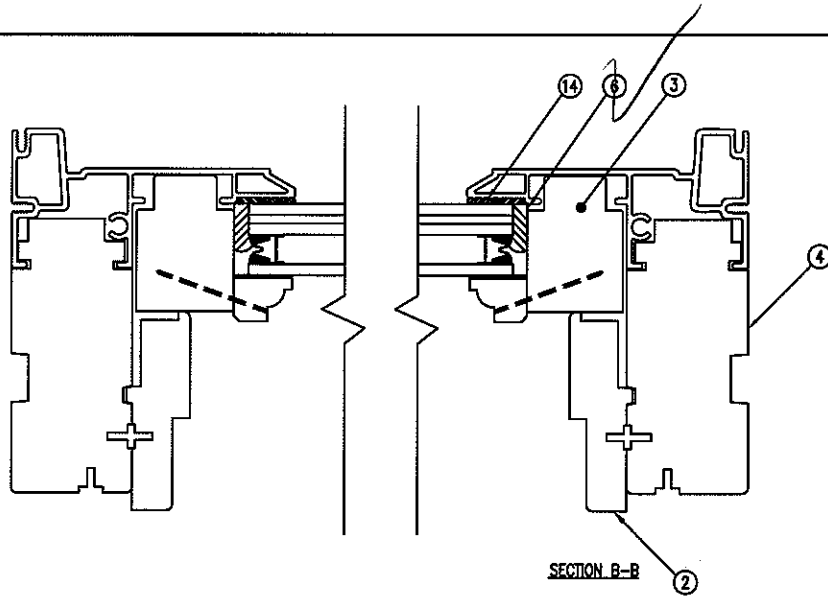
Additional Manufacturer ID #: _____

n/a

<u>Hallmark CCL</u>	<u>Standard</u>	<u>Rating</u>
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<input type="checkbox"/>	101/I.S.2/NAFS-02	_____
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<input type="checkbox"/>	TAS 203-94	_____
<input type="checkbox"/>	Other:	_____

Appendix C

Drawings



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 73105
Date 5/14-16/07 Tech TL

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TITLE: CLAD 1 PC. CSMT (IMPACT) ASSEMBLY

FINISH:

MATERIAL:

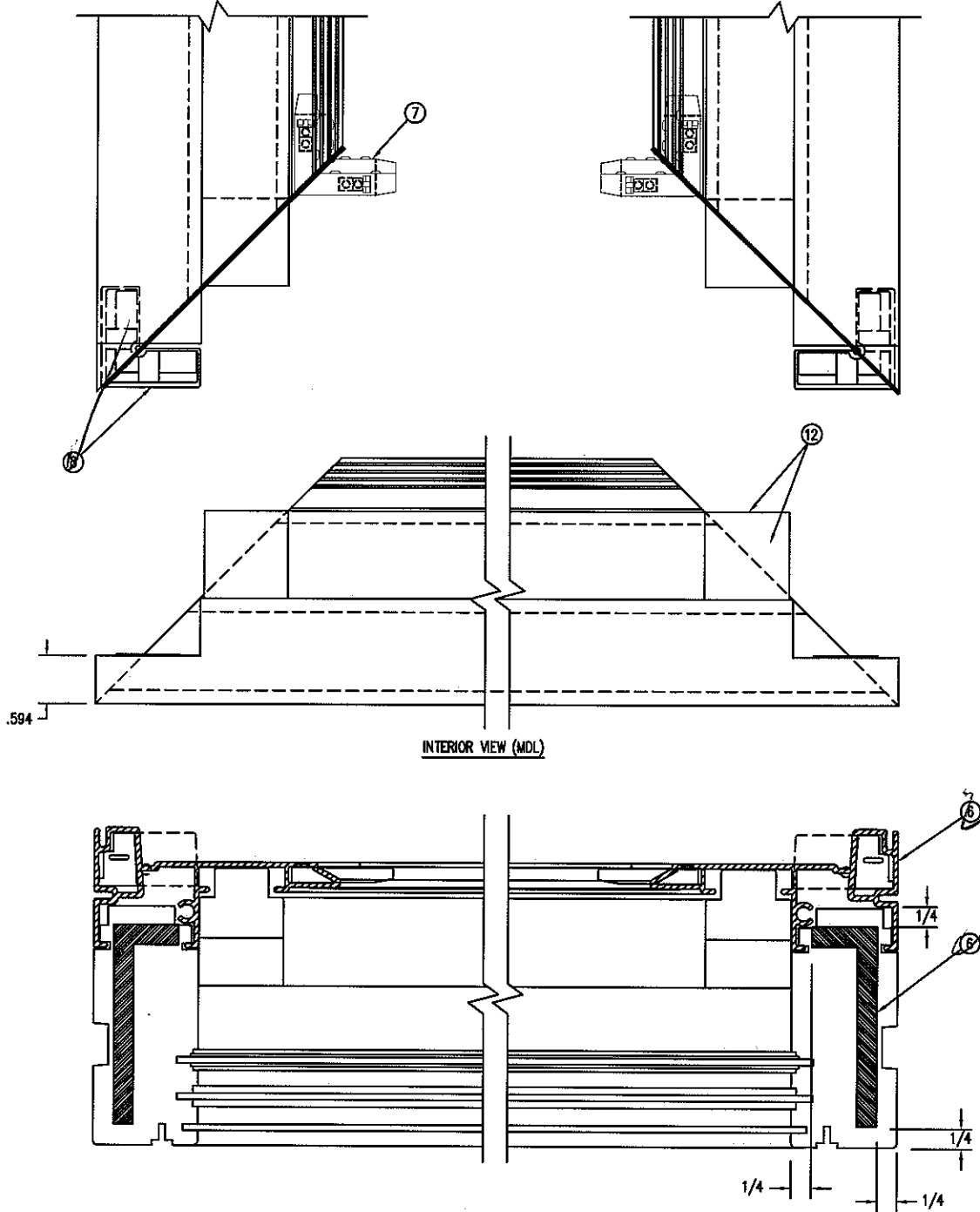
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DCN: 0710 DRWG: 0547
DATE: 5/31/07 C 01 OF 04

NO	DESCRIPTION	DFT	DOC	DATE

Architectural Testing

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Report# 73108
Date 5/14/67 Tech TG



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TITLE: CLAD 1 PC. CSMT (IMPACT)
ASSEMBLY

FINISH:

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DCN: 0710 DRWG: 0547
DATE: 5/31/07 C 02

(NO)	DESCRIPTION	(DFT)	DOC	DATE

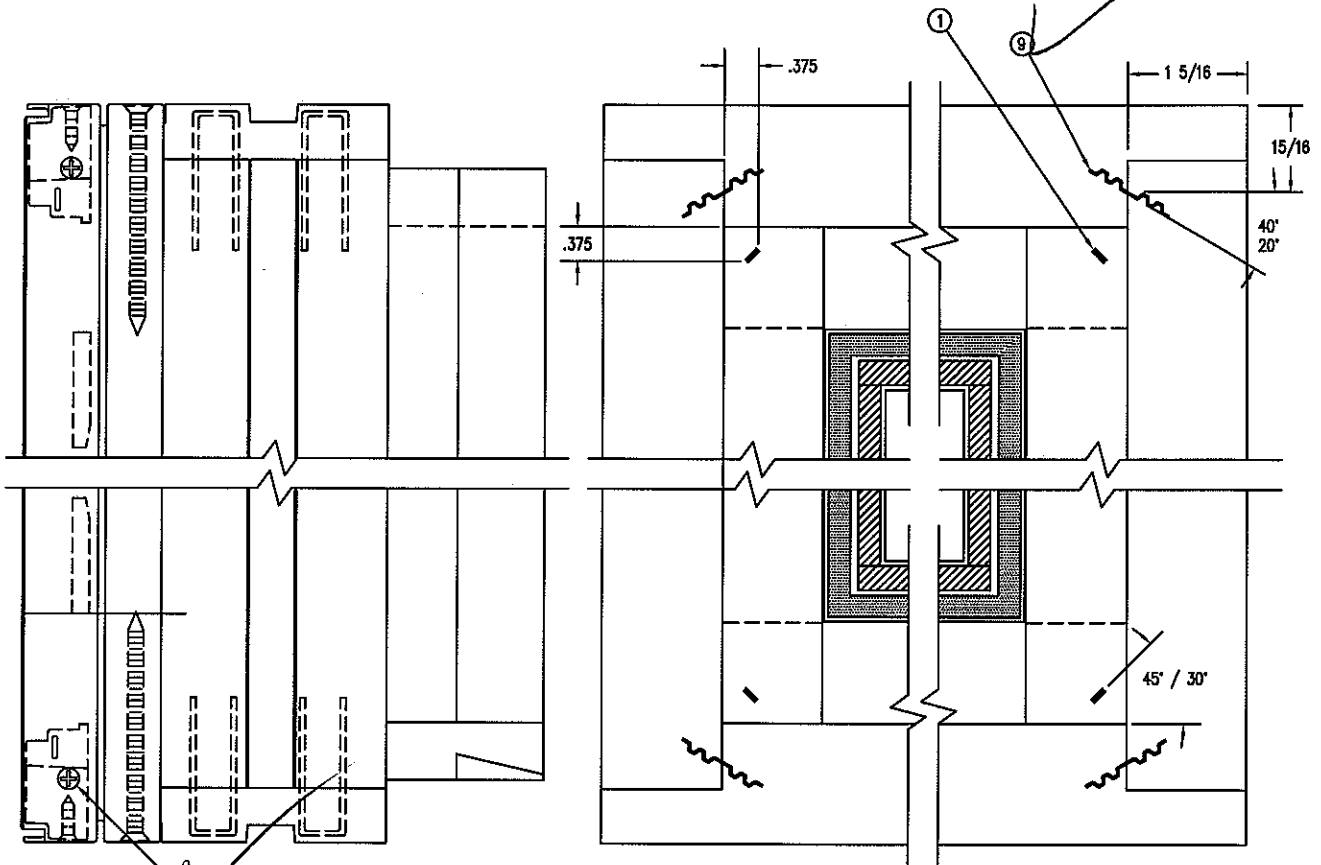
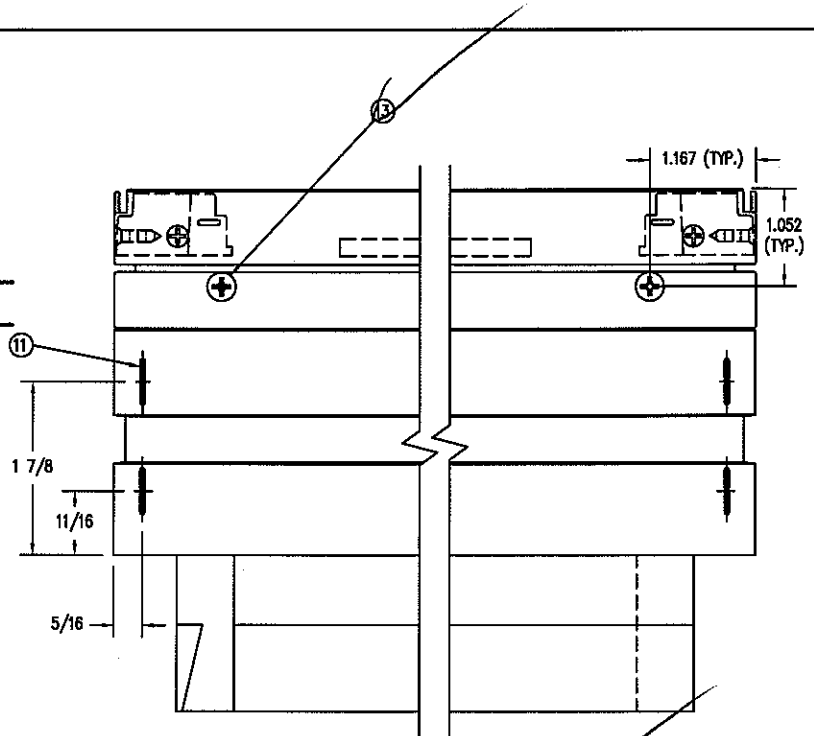


Architectural Testing

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Report# 73105

Date 5/14/07 Tech TG



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TITLE: CLAD 1 PC. CSMT (IMPACT)
ASSEMBLY

FINISH:

MATL:

DFI: CRC SCALE: 1=2

DCN: 0710 DRWG: 0547

DATE: 5/31/07 C 03

NO	DESCRIPTION	DFT	DOC	DATE

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°.



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 73105
Date 5/14/16/07 Tech TG

NO.	DWG. NO.	DESCRIPTION	QUANTITY	MATERIAL	SUPPLIER
1	A00L	3/16 x 1 1/8 (18 GA.) STAPLE	AS REQUIRED	STEEL	ABILITY FASTENERS
2	20C0	SIDE STOP	2	WOOD	EAGLE WINDOW AND DOOR
	20D0	SIDE STOP	2	WOOD	EAGLE WINDOW AND DOOR
3	2211	RAIL / STILE	2		
4	220C	FRAME MEMBER	4	WOOD	EAGLE WINDOW AND DOOR
5	A553	FRAME / SASH CLADDING	1	ALUMINUM	BONNELL
6	A030	SILICONE SEALANT	AS REQUIRED	SILICONE	DOW CORNING
7	A08W	CORNER KEY	4	ABS COMPOUND	LAKE COUNTRY SALES
8	A100	90° NYLON FRAME CORNER	4	NYLON	LAKE COUNTRY SALES
9	A02Y	1/2" x 1" CORRUGATED FASTENER	4	STEEL	ABILITY FASTENERS
10	A11K	#8 x 7/16 FHWS W/ #6 HEAD S.S.	8	STEEL	ABILITY FASTENERS
11	A00H	7/16" x 1 1/2" STAPLE	8	STEEL	ABILITY FASTENERS
12	A01D	GLUE	SEE PAGE 2	COPOLYMER	NATIONAL STARCH
13	A046	#10 x 2 1/2" FHWS S.S.	4	STEEL	ABILITY FASTENERS
14	A51H	INSTANT GLAZE II SEALANT	AS REQUIRED	SILICONE	DOW CORNING
15	220J	COLONIAL GLASS STOP	4	WOOD	EAGLE WINDOW AND DOOR
16	A40F	1 1/4" HARDENED STEEL BRAD (18GA)	AS REQUIRED	STEEL	ABILITY FASTENERS
17	A08K	GLAZING SHIM, .250 x .065 x 4.000	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
18	A00E	NEOPRENE GLASS SETTING BLOCK	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
19	A67E	CONCEALED FASTENER SPLINE	1	VINYL	CLIM-A-TECH
20	A478	IMPACT RESISTANT GLASS	1	GLASS	CARDINAL IG
21	H-40	5/8" BETWEEN GLASS MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
22	P/PD	1" CONTOUR MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
23	21M2	1 1/2" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
24	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
25	A507	1 1/2" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
26	A67X	1 1/2" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
27	A67L	1 1/2" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
28	21M2	1 1/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
29	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
30	A507	1 1/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
31	A67W	1 1/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
32	A67R	1 1/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
33	220H	7/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
34	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
35	A507	7/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	BONNELL
36	A67T	7/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
37	A67N	7/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
38	N/A	ADHESIVE TAPE	AS REQUIRED	POLYETHYLENE	CARDINAL

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TITLE: CLAD 1 PC. CSMT (IMPACT) ASSEMBLY

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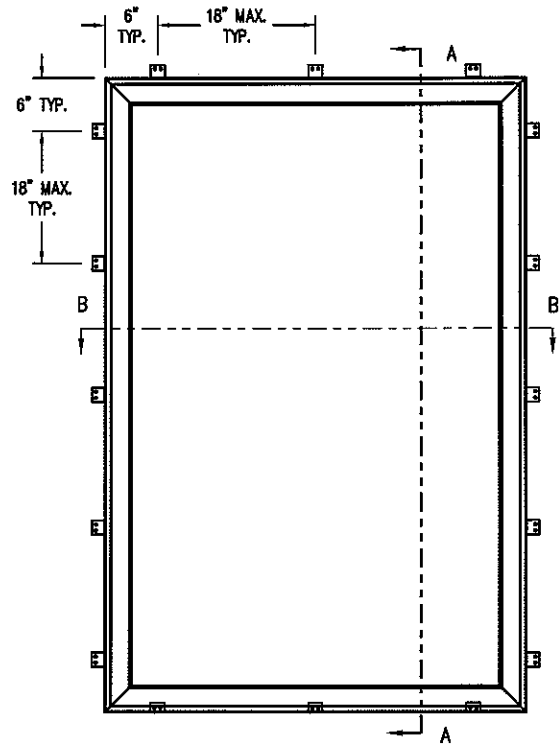
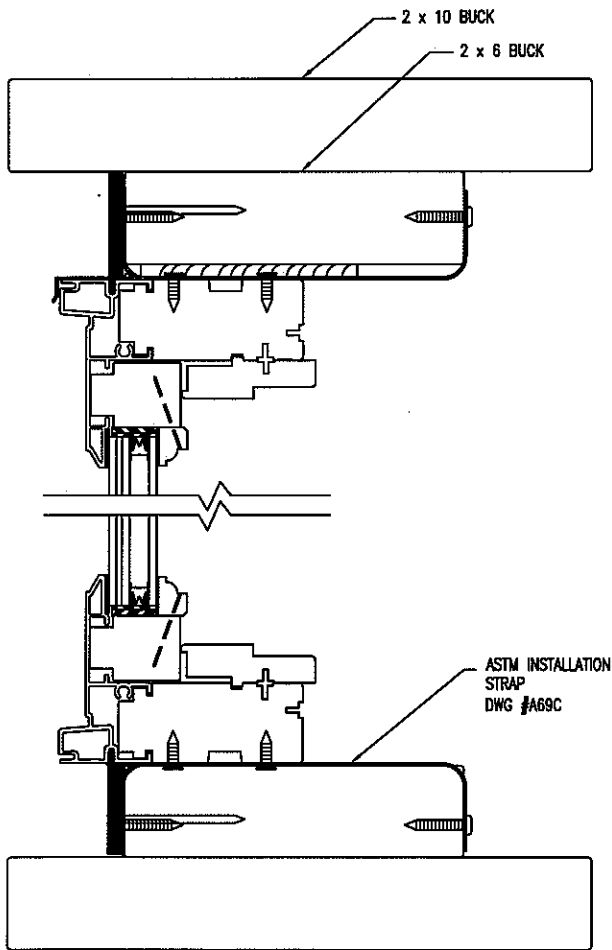
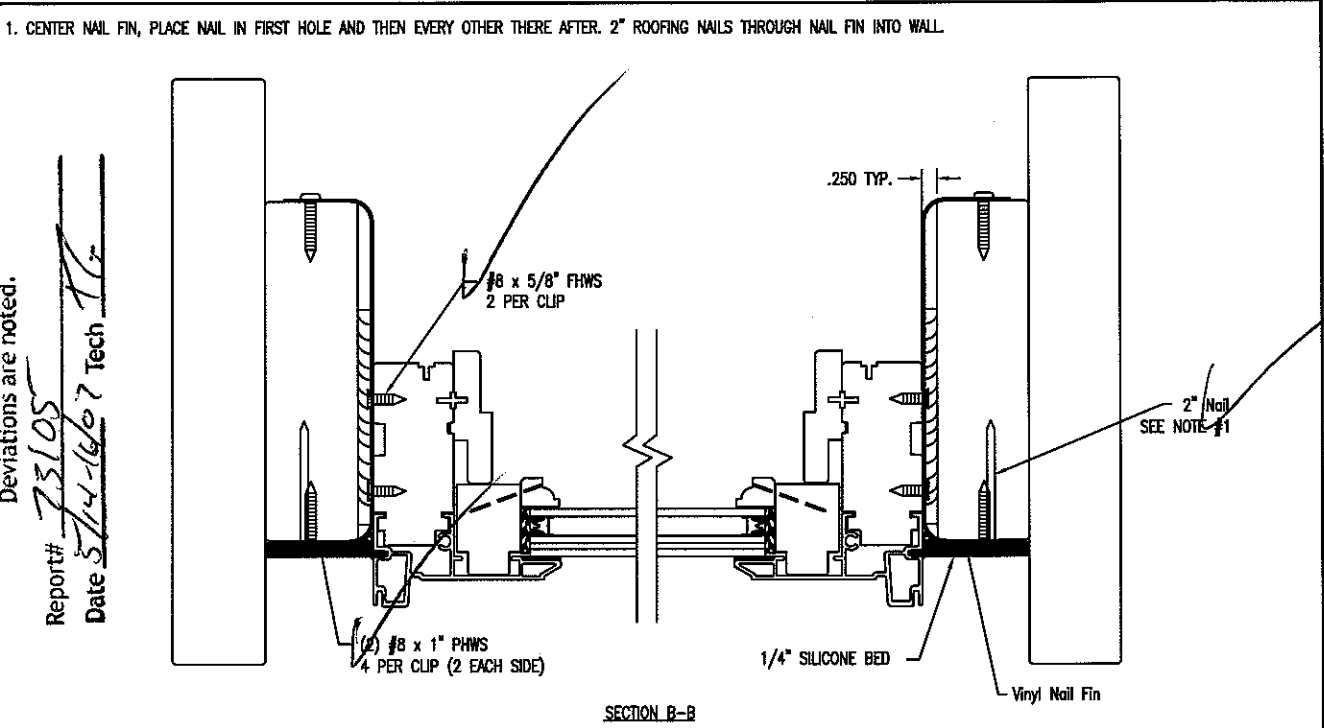
MATL:

DFT: CRC SCALE: 1=2
DCN: 0710 DRWS: 0547
DATE: 5/31/07 C 04

(NO) DESCRIPTION | DFT | DOC | DATE

Test samples comply with these details.
Deviations are noted.

Report# 73105
Date 5/4/607 Tech TR



4060 CLAD 1 PC CASEMENT
EXTERIOR VIEW

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TITLE: CLAD 1 PC CASEMENT
INSTALLATION DETAIL (IMPACT)

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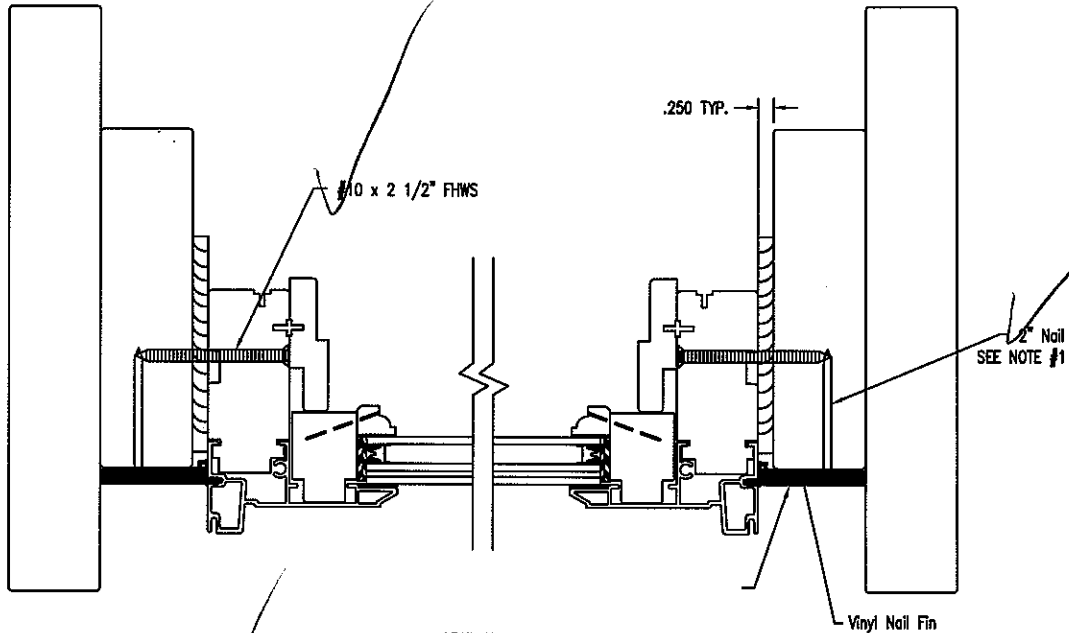
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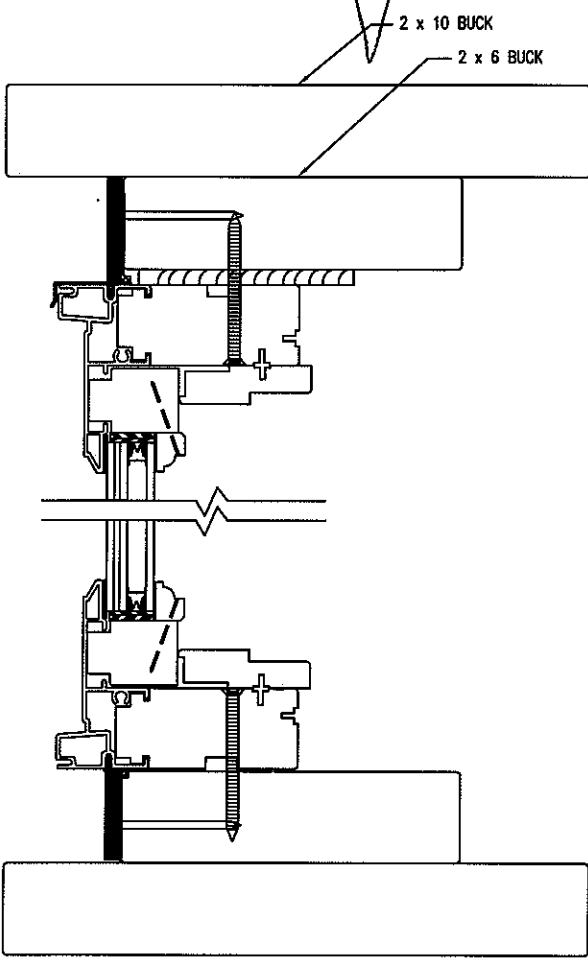
Test sample complies with these details. Deviations are noted.

Report# 73105
Date 5/14/07 Tech JZ

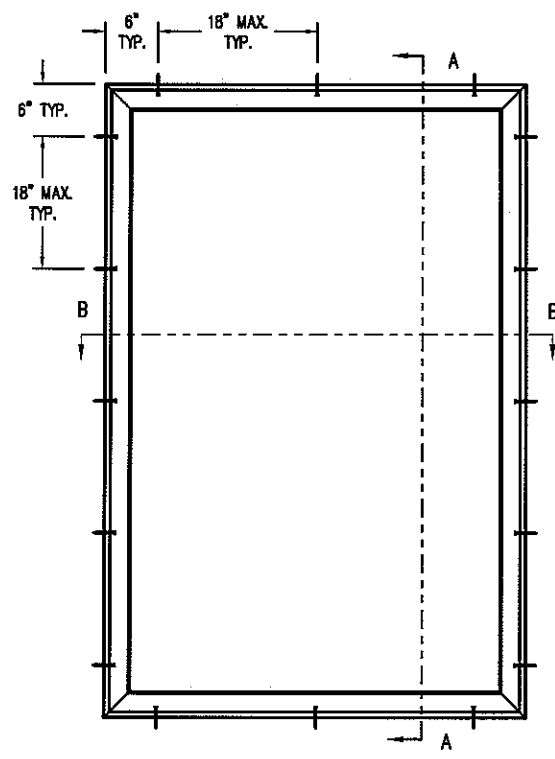
1. CENTER NAIL FIN, PLACE NAIL IN FIRST HOLE AND THEN EVERY OTHER THERE AFTER. 2" ROOFING NAILS THROUGH NAIL FIN INTO WALL.



SECTION B-B



SECTION A-A



4060 CLAD 1 PC CASEMENT EXTERIOR VIEW

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TITLE: CLAD 1 PC CASEMENT (INSTALLATION DETAIL (IMPACT))

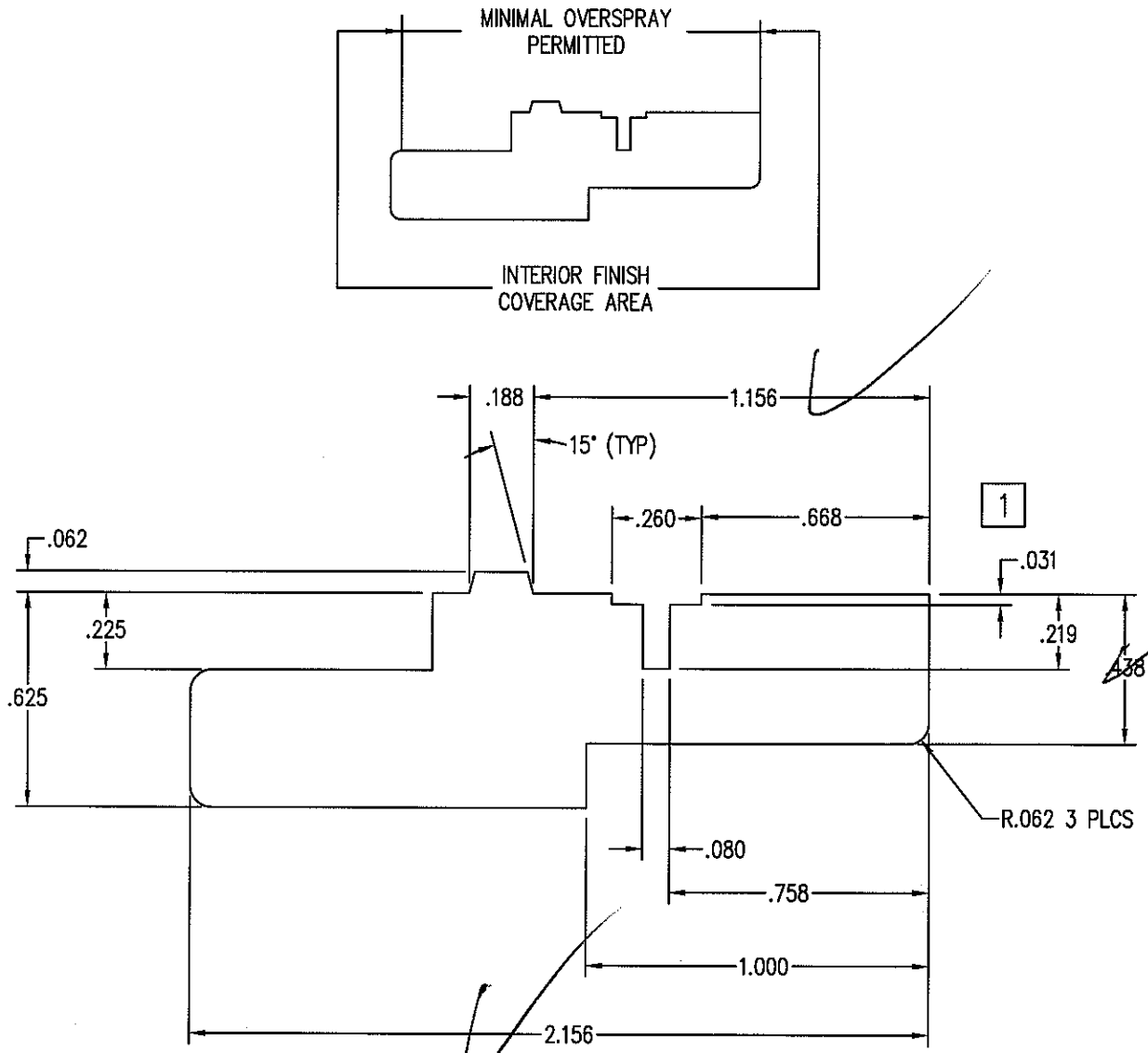
FINISH:

MATERIAL:

DFT: KJS SCALE: 1=3
DCN: 1099 DRWG: 053R
DATE: 5/7/07 C 02

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.



Test sample complies with these details.
 Deviations are noted.

Report# 73105
 Date 5/14-16/07 Tech TG

02	REVISED PROFILE - ADDED CONCEALED FASTENER KERF	RDA	0925	09/30/04
01	ADDED COVERAGE AREA AND CHANGED TITLE BLOCK	JH	0893	06/11/2004
NO	Description of Change	Drafter	DCN#	Date
Title: CASEMENT CONCEALED LOCK HINGE SIDE STOP		Finish: STD. EAGLE FINISHES		Material: STD WOOD SPECIES
Scale: 2=1		Date: 3/6/2002		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: AWW		DCN# 0681		
REVISION: 20C0				01 of 03

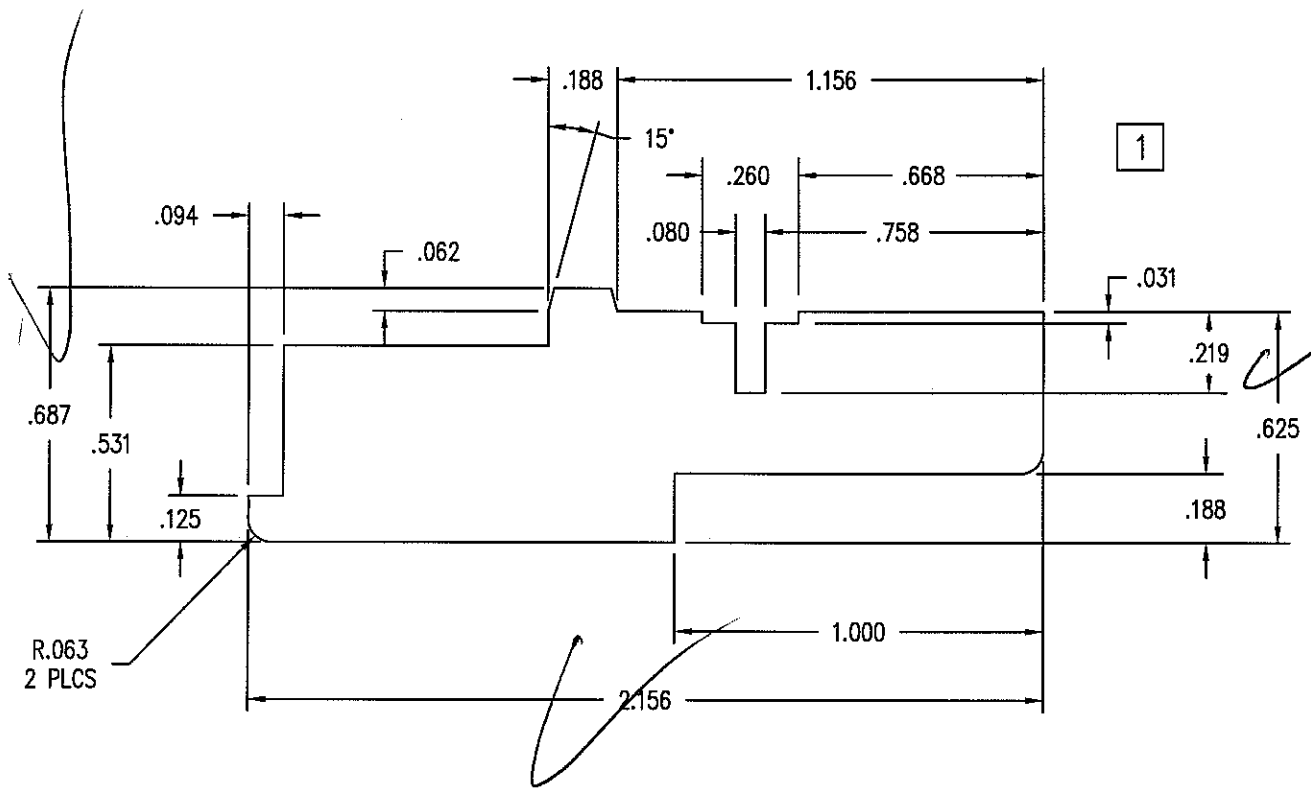
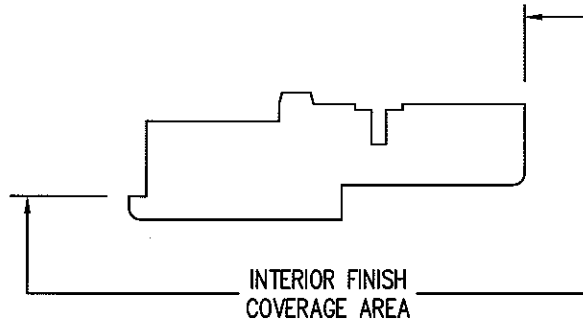
1 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE:
 DEC.+/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.



Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 23105
 Date 5/14-16/07 Tech T6



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		

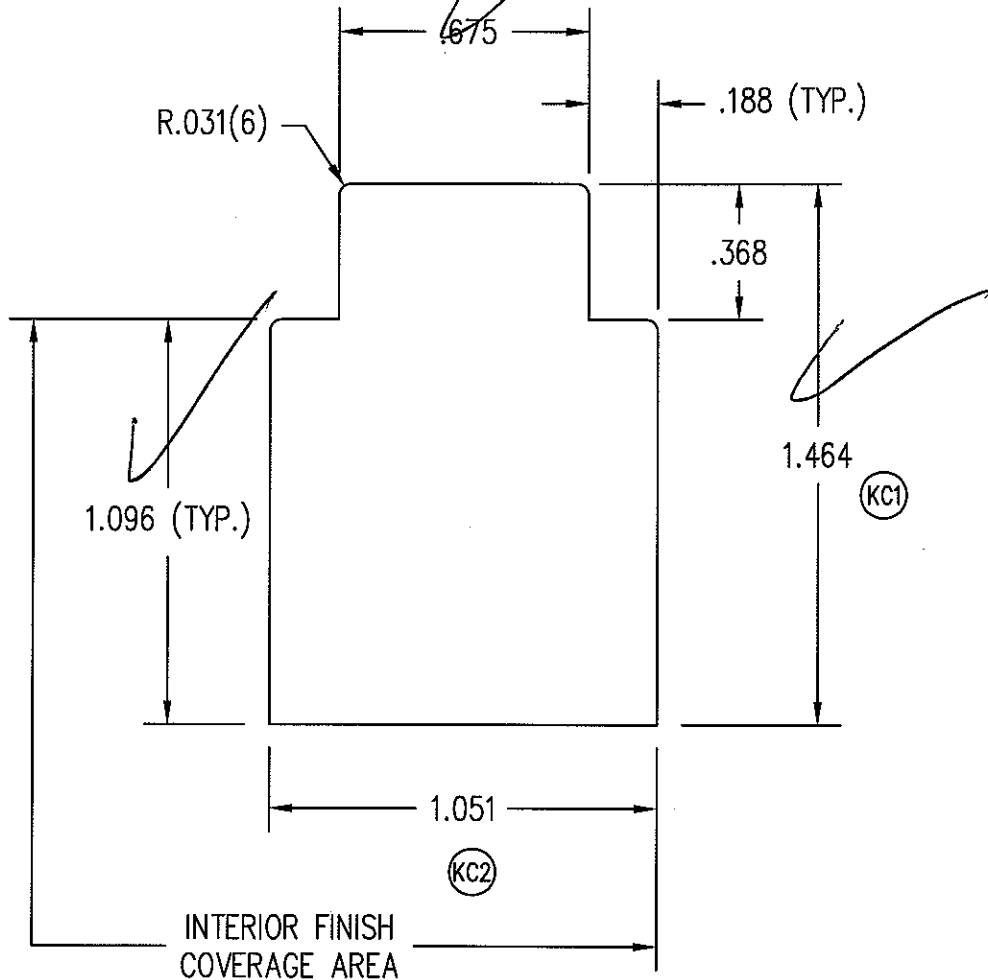
NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ± 0.005 ; FRAC. $\pm 1/64$; ANGLES $\pm 1/2^\circ$.



Architectural Testing

Test sample complies with these details.
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Report# 73105
Date 5/14/07 Tech TE



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TITLE: CLAD 1 PC. FIXED CSMT RAIL/STILE

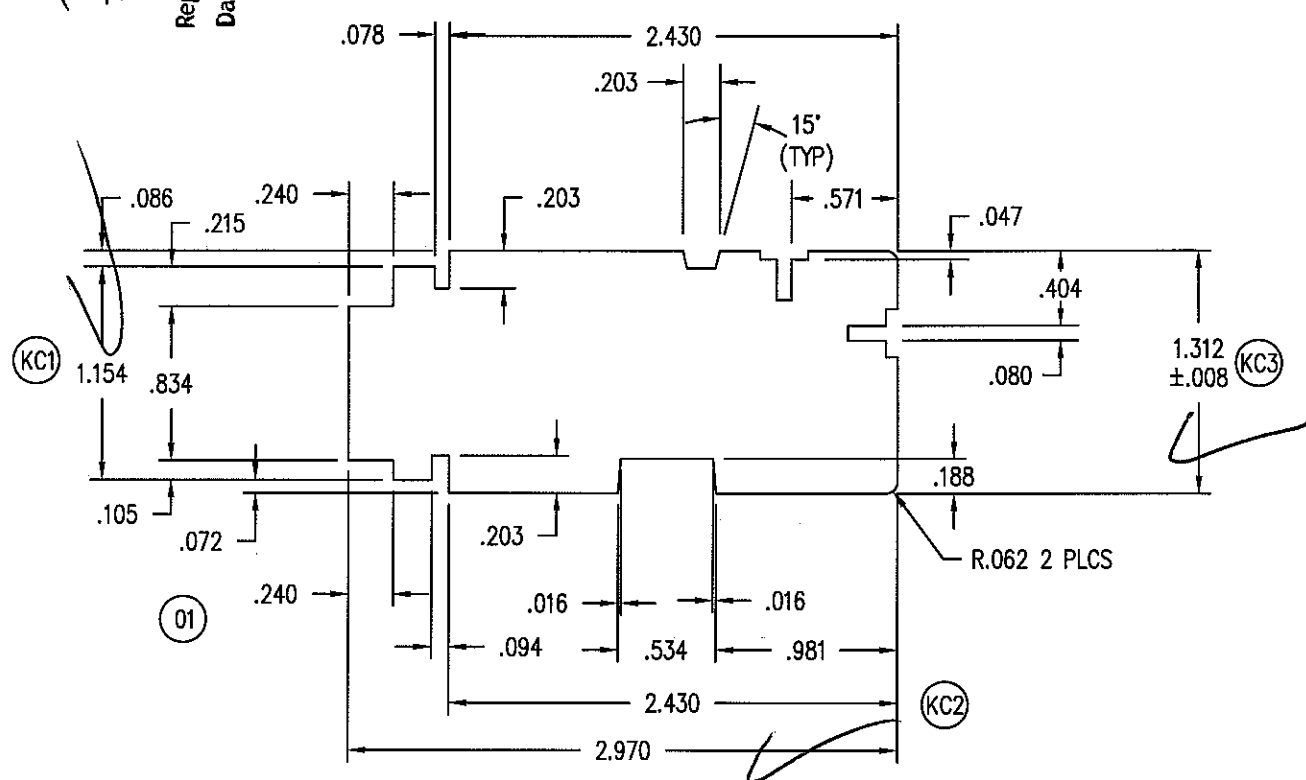
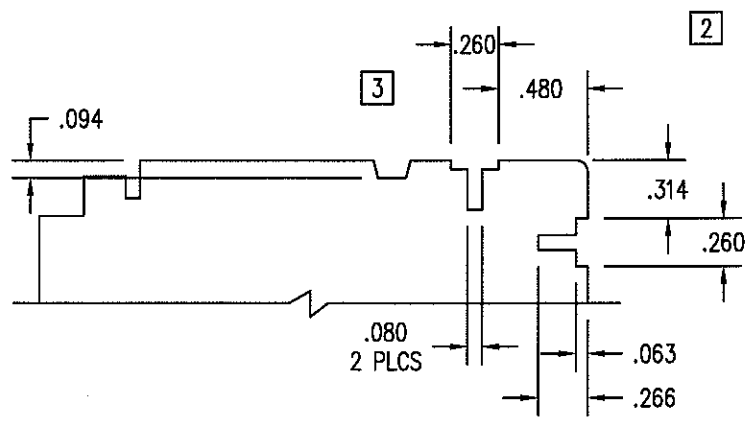
FINISH: CLEAR PINE

MATL: SEE PG. 02

02	ADDED PAGE #03	TWN	610A	1/7/03	DFT: JMH	SCALE: 2=1
01	1.051 WAS 1.083, .188 WAS .204	AWW	0728	9/27/02	DCN: 0683	DRWG: 2211
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 5/31/2002	A 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.

Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# 73105
 Date 5/4/02 Tech JG

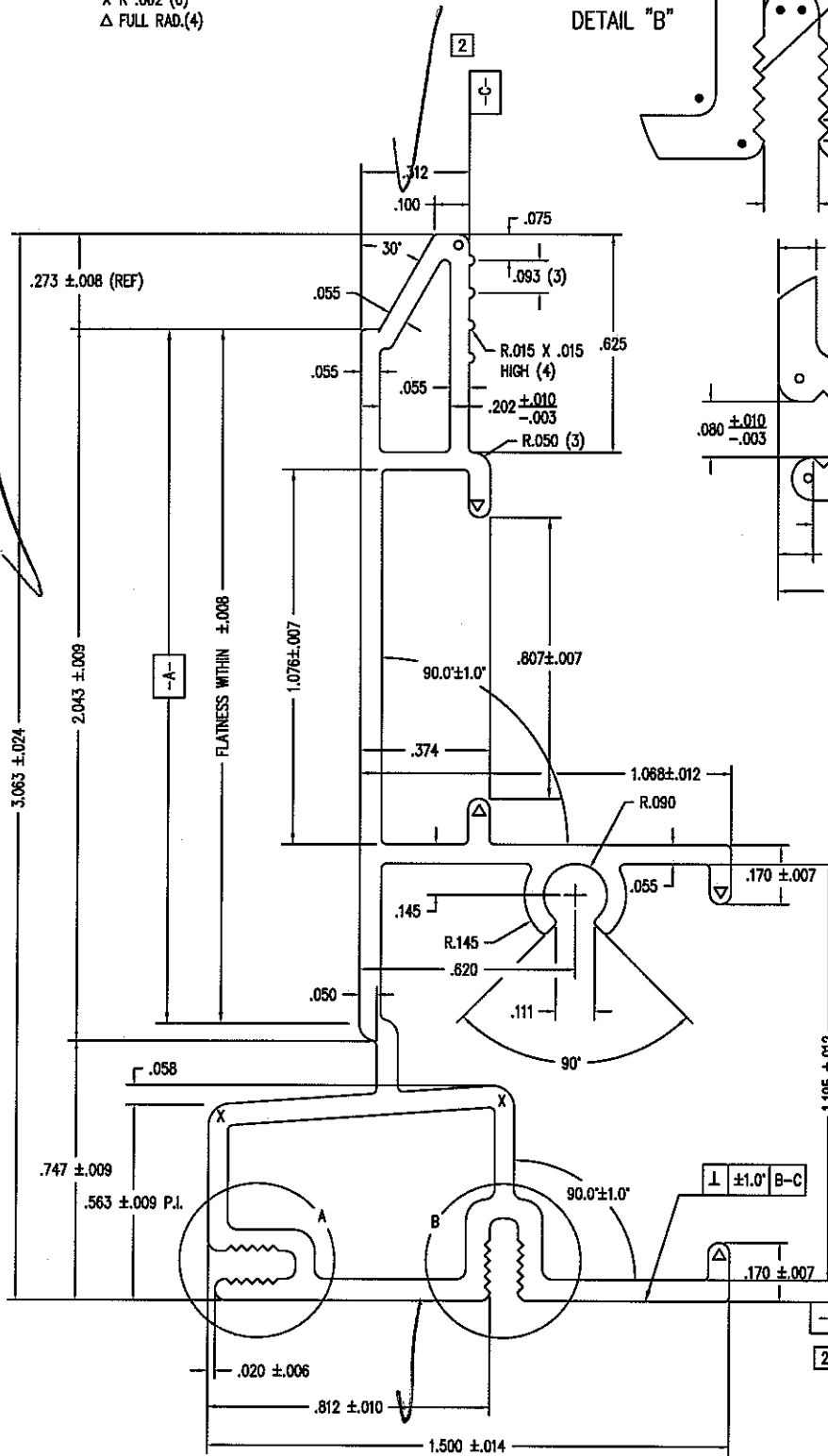


NO	Description of Change	Drafter	DCN#	Date
03	REMOVED 2 KERFS.	RDA	1005	12/05/05
02	REVISED PROFILE - ADDED CONCEALED FASTENER ROUT	RDA	0925	09/30/04
01	ADD .105 x .240 PLOW	AWW	0752	12/03/02

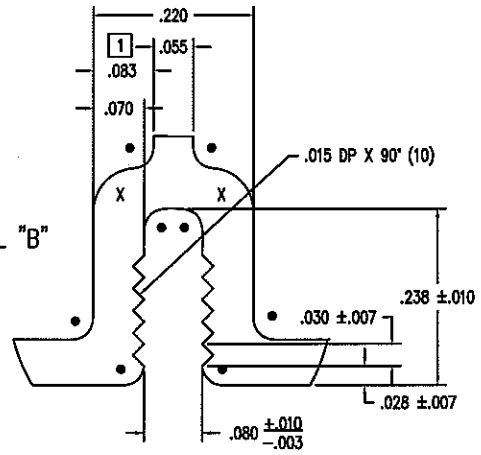
Title: AUXILIARY FRAME		Finish:	Material: SEE PAGE 02
Scale: 1=1	Date: 4/26/2002	THIS DRAWING AND ITS CONTENTS ARE THE PROPERTY OF EAGLE WINDOW & DOOR. NO USE OR REPRODUCTION OF THE CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR.	
Drafter: AWW	DCN# 0683		

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

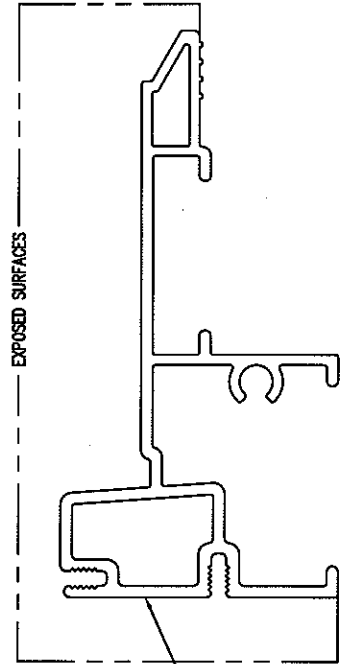
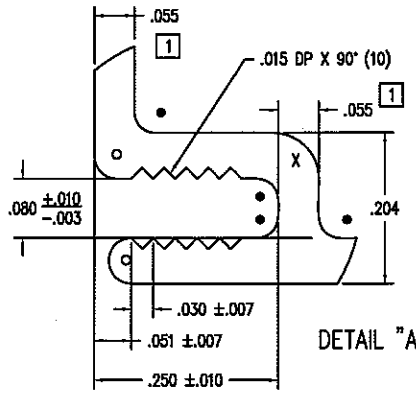
- R .028 (12)
- R .031 (3)
- X R .062 (6)
- △ FULL RAD.(4)



DETAIL "B"



DETAIL "A"



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

Report# 23105
 Date 5/4/667 Tech 16

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 TITLE: FRAME/SASH CLADDING
 1 PC. CSMT (W/SCREW BOSS)
 FINISH: EAGLE'S STD. COLORS
 MATL: 6063 T-6 ALUMINUM OR EQUIVALENT

02	ADDED TOLERANCES	TWN	TRKR	3/22/06	DFT:	AWW	SCALE:	2=1
01	ADDED/CHG'D DIM. & TOLERANCE	TWN	0778	4/4/03	DCN:	0683	DRWG:	A553
NO	DESCRIPTION	DFT	DOC	DATE	DATE:	3/26/2002	C	01 OF 03

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.

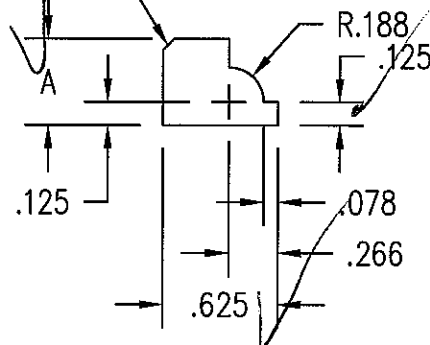
Report# 23105
 Date 5/14/07 Tech TC

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

2

1

.062 x .062 CHAMFER



3

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TITLE: COLONIAL GLAZING STOP

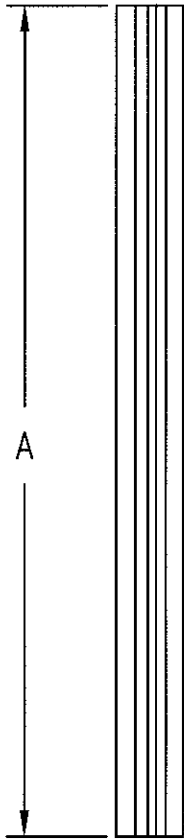
FINISH:

MATL:

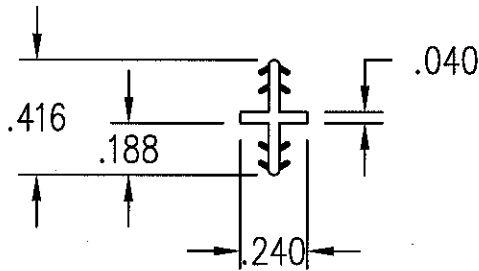
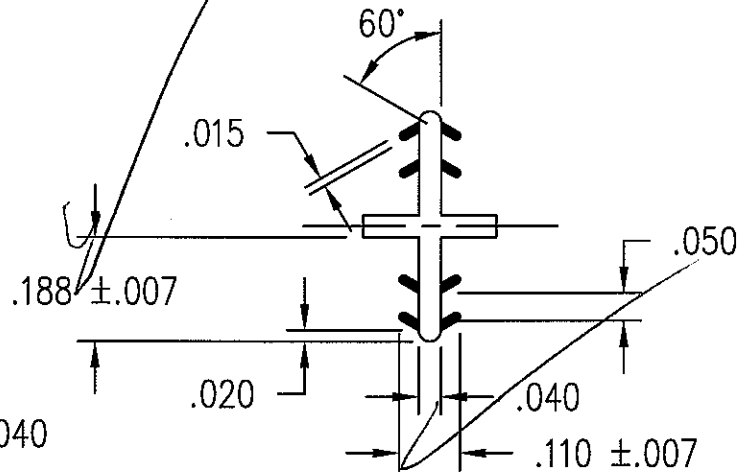
EAGLE STD WOOD OFFERINGS

03	ADDED SIZE FOR IMPACT GLAZING	TWN	0972	9/1/05	DFT:	JMH	SCALE:	1=1
02	CHG'D CLAD PANEL STOP "A" DIM	JH	0794	6/30/05	DCN:	0650	DRWG:	220J
01	ADDED KYLER BLIND SIZE	TWN	0910	4/19/05	DATE:	5/29/2002	A	01 OF 03
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 $\pm 1/2^\circ$.



SPLINE LENGTH	P/N
1"	CFS1
3"	CFS3
6"	CFS6
12"	CFS12
20"	CFS20
34"	CFS34
55"	CFS55
70"	CFS70



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 13105
Date 5/14/10 Tech JG

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TITLE: CONCEALED FASTENER SPLINE

FINISH:

MATL:

DFT: bager

SCALE: 1.5=1

DCN: 0925

DRWG: A67E

DATE: 9/21/2004

A 01 OF 01

NO	DESCRIPTION	DFT	DOC	DATE