

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

**Rendered to:**

**EAGLE WINDOW & DOOR, INC.**

**SERIES/MODEL: Series 01 5080 Clad One-Piece Casement Fixed  
PRODUCT TYPE: Aluminum Clad Fixed Wood Window**

| <b>Title</b>                               | <b>Summary of Results</b>                             |
|--|---|
| Primary Product Designator                 | LC-PG70-FW 1524 x 2438 (60 x 96)                      |
| Design Pressure                            | 3360 Pa (70.0 psf)                                    |
| Air Infiltration                           | <0.05 L/s/m <sup>2</sup> (<0.01 cfm/ft <sup>2</sup> ) |
| Water Penetration Resistance Test Pressure | 730 Pa (15.0 psf)                                     |
| Uniform Load Structural Test Pressure      | ±5040 Pa (± 105.0 psf)                                |
| Forced Entry Resistance                    | Grade 40  |

**Test Completion Date:** 03/30/06

Reference should be made to Report No. 62113.01-201-44, dated 12/22/08 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 Blvd.  
Dubuque, IA 52004-1072

Report No.: 62113.01-201-44  
Test Dates: 01/23/06  
Through: 03/30/06  
Original Report Date: 04/06/06  
Revised Report Date: 12/22/08  
Expiration Date: 01/23/10

**Project Summary:** Architectural Testing, Inc. was contracted by Eagle Window & Door, Inc. to perform testing on a Series/Model Series 01 5080 Clad One-Piece Casement Fixed, Aluminum Clad Fixed Wood Window. The sample tested successfully met the performance requirements for an LC-PG70-FW (60 x 96) 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 01 5080 Clad One-Piece Casement Fixed

**Product Type:** Aluminum Clad Fixed Wood Window

**Overall Size:** 1524 mm (60") wide by 2438 mm (96") high

**Daylight Opening Size:** 1143 mm (54") wide by 2286 mm (90") high

**Overall Area:** 3.7 m<sup>2</sup> (40.0 ft<sup>2</sup>)

**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 and one 13mm by 25 mm (1/2" by 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 two nylon corner keys, two #6 by 11 mm (7/16") screws and one #10 by 64 mm (2-1/2") screw per corner.

**Sash Construction:** The wood sash utilized lap joint construction and was fastened with glue and one 5 mm by 29 mm (3/16" by 1-1/8") staple per corner. The sash assembly was set into the frame assembly and held into place by wood frame stops secured with 5 mm by 29 mm (3/16" by 1-1/8") staples located 25 mm to 51 mm (1" to 2") from each end of the stop and 152 mm by 203 mm (6" to 8") on center.

**Glazing Details:** The window utilized a nominal 19 mm (3/4") thick insulating glass unit fabricated from two nominal 5 mm (3/16") sheets of heat strengthened glass separated by a desiccant filled aluminum spacer system. The glass was set from the interior against butyl rubber glazing tape 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 51 mm (2") from each corner and 152 mm to 203 mm (6" to 8") on center.

**Installation:** The window was installed within a wood test buck. The window was anchored to the buck through the vinyl nailing flange with 51 mm (2") roofing nails 89 mm (3-1/2") from each corner and 152 mm (6") on center. The window was additionally secured with #10 by 76 mm (3") screws through the jambs 152 mm (6") from each corner and midspan. Silicone sealant was used to seal the window to the test buck.

**Test Results:** The temperature during testing was 21°C (70F). 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 <sup>2</sup><br>(<0.01 cfm/ft <sup>2</sup> ) | 1.5 L/s/m <sup>2</sup><br>(0.3 cfm/ft <sup>2</sup> ) max. |
|                  | 300 Pa (6.2 psf)                      | <0.05 L/s/m <sup>2</sup><br>(<0.01 cfm/ft <sup>2</sup> ) | --<br>--  |

**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.*

**Test Results:** (Continued)

| <u>Paragraph</u> | <u>Title of Test - Test Method</u>        | <u>Results</u> | <u>Allowed</u> |
|------------------|---|----------------|----------------|
| 5.3.3.2          | Water Resistance per ASTM E 547 and E 331 |                | See Note #2    |
| 5.3.4.2          | Uniform Load Deflection per ASTM E 330    |                | See Note #2    |
| 5.3.4.3          | Uniform Load Structural per ASTM E 330    |                | See Note #2    |

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

|       |  |           |          |
|-------|--|-----------|----------|
| 5.3.5 | Forced Entry Resistance per ASTM F 588 |           |          |
|       | Type: D                                | Grade: 40 |          |
|       | 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 and E 331<br>730 Pa (15.0 psf)   | No leakage     | No leakage  |
| 4.3.2.1 | Uniform Load Deflection per ASTM E 330<br>(Deflections reported were taken on the frame between anchors)<br>(Loads were held for 60 seconds) |                |             |
|         | 3360 Pa (70.0 psf) (positive)  | 2.3 mm (0.09") | See Note #3 |
|         | 3360 Pa (70.0 psf) (negative)  | 2.3 mm (0.09") | 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<br>(Permanent sets reported were taken on the frame between anchors)<br>(Loads were held for 10 seconds) |                |                     |
|         | 5040 Pa (105.0 psf) (positive)  | 0.3 mm (0.01") | 4.3 mm (0.17") max. |
|         | 5040 Pa (105.0 psf) (negative)  | 0.5 mm (0.02") | 4.3 mm (0.17") max. |

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

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

**List of Official Observers:**

| <u>Name</u>          | <u>Company</u>              |
|----------------------|-----------------------------|
| Eddy J. Popp         | Architectural Testing, Inc. |
| Jason A. Needham     | 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 specimen tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

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Eric J. Schoenthaler  
Project Manager

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Daniel A. Johnson  
Director - Regional Operations

EJS:mb

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

Appendix A: WDMA Submittal Forms (2)

Appendix B: Drawings (11)

### Revision Log

| <u>Rev. #</u> | <u>Date</u> | <u>Page(s)</u> | <u>Revision(s)</u>  |
|---------------|-------------|----------------|---|
| 0             | 04/06/06    | N/A            | Original report issue.  |
| 1             | 11/26/08    | All            | Test report results conducted prior to 2008 standard being published; report is as compared to 2008 standard. |
| 2             | 12/22/08    | 3              | Added results to Forced Entry Resistance. Report and drawings forwarded to AMS for Hallmark Certification.    |

**Appendix A**  
**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](mailto: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 #: 62113.01-201-44-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-649.00

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

Is this a Gateway Test ?  yes  no  n/a

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

Impact Report:

If this is not an impact report check here:

AWS Report # \_\_\_\_\_

Test Plan # ?  yes  no  n/a \_\_\_\_\_

Installation Instructions submitted ?  yes  no  n/a

Certification to Florida:

If this will not be submitted to Florida check here:

AMS to Input to Database  yes  no  n/a

Manufacturer to input  yes  no  n/a



# WDMA HALLMARK CERTIFICATION PROGRAM REPORT SUBMISSION FORM

Product Name: 5080 Axiom Clad One-Piece Casement Fixed  
(as to be listed on CCL)

Product Type: Fixed Window

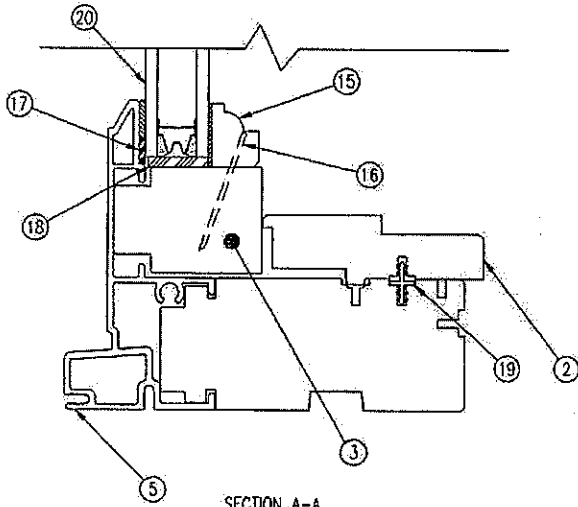
Additional Manufacturer ID #: \_\_\_\_\_

n/a

| <u>Hallmark CCL</u>                 | <u>Standard</u>                 | <u>Rating</u>      |
|-------------------------------------|---------------------------------|--------------------|
| <input type="checkbox"/>            | ANSI/AAMA/NWWDA 101/I.S. 2 97   | _____              |
| <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-PG70-FW +70/-70 |
| <input type="checkbox"/>            | ASTM E 1996 99 / E1886-97       | _____              |
| <input type="checkbox"/>            | ASTM E 1996 01 / E1886-97       | _____              |
| <input type="checkbox"/>            | ASTM E 1996 02 / E1886-02       | _____              |
| <input type="checkbox"/>            | ASTM E 1996 03 / E1886-02       | _____              |
| <input type="checkbox"/>            | ASTM E 1996 04 / E1886-04       | _____              |
| <input type="checkbox"/>            | ASTM E 1996 05 / E1886-05       | _____              |
| <input type="checkbox"/>            | ASTM E330 02                    | _____              |
| <input type="checkbox"/>            | ANSI A250.13-03                 | _____              |
| <input type="checkbox"/>            | TAS 201-94                      | _____              |
| <input type="checkbox"/>            | TAS 202-94                      | _____              |
| <input type="checkbox"/>            | TAS 203-94                      | _____              |
| <input type="checkbox"/>            | Other:                          | _____              |
|                                     |                                 | _____              |

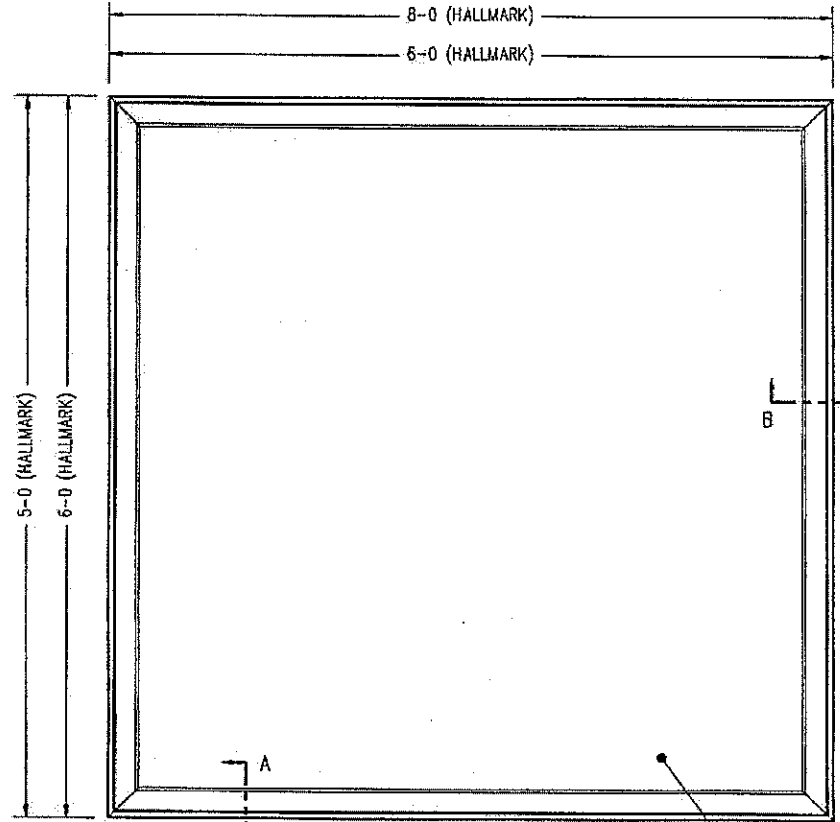
## **Appendix B**

### **Drawings**

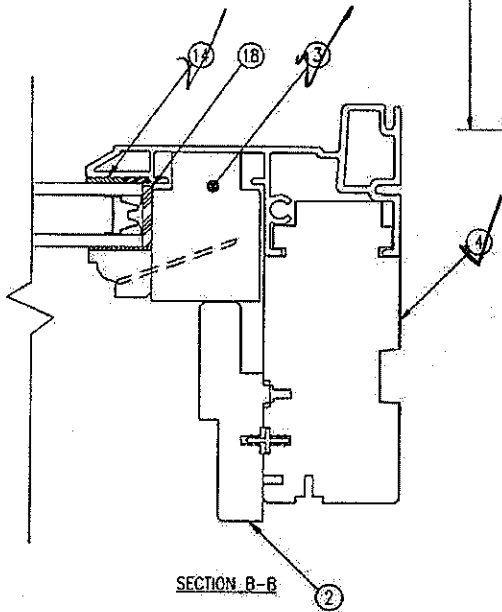


SECTION A-A

**Architectural Testing**  
 Test sample complies with these details.  
 Deviations are noted.  
 Report# 62113 Tech Jason Brandt  
 Date 11/16/06

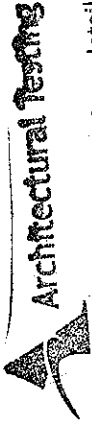


EXTERIOR VIEW



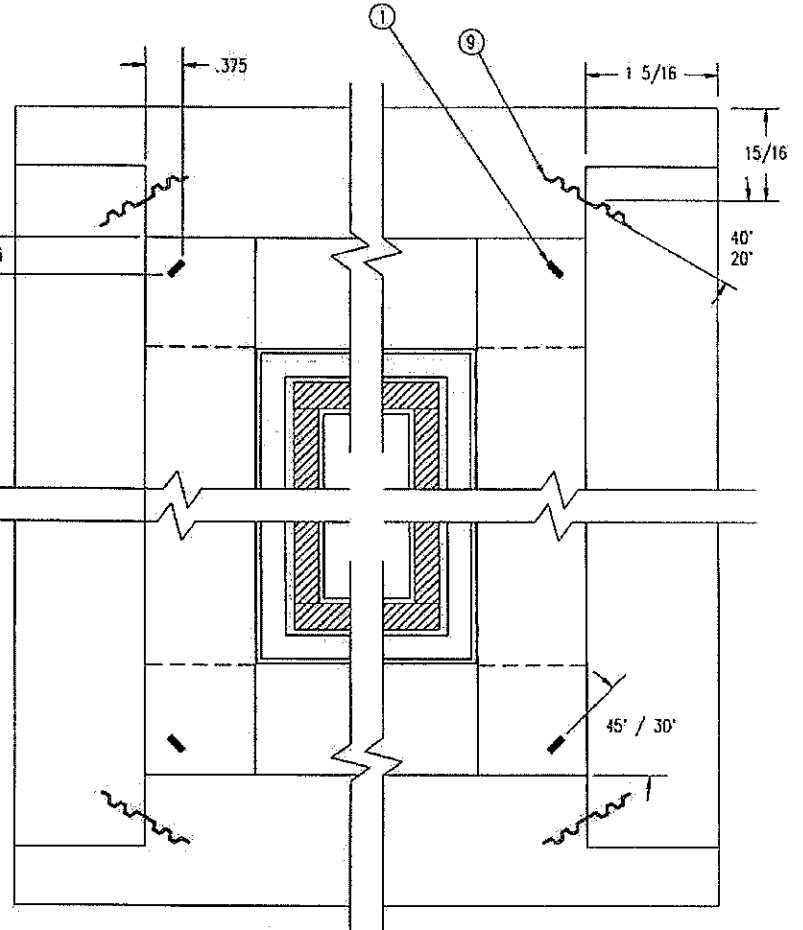
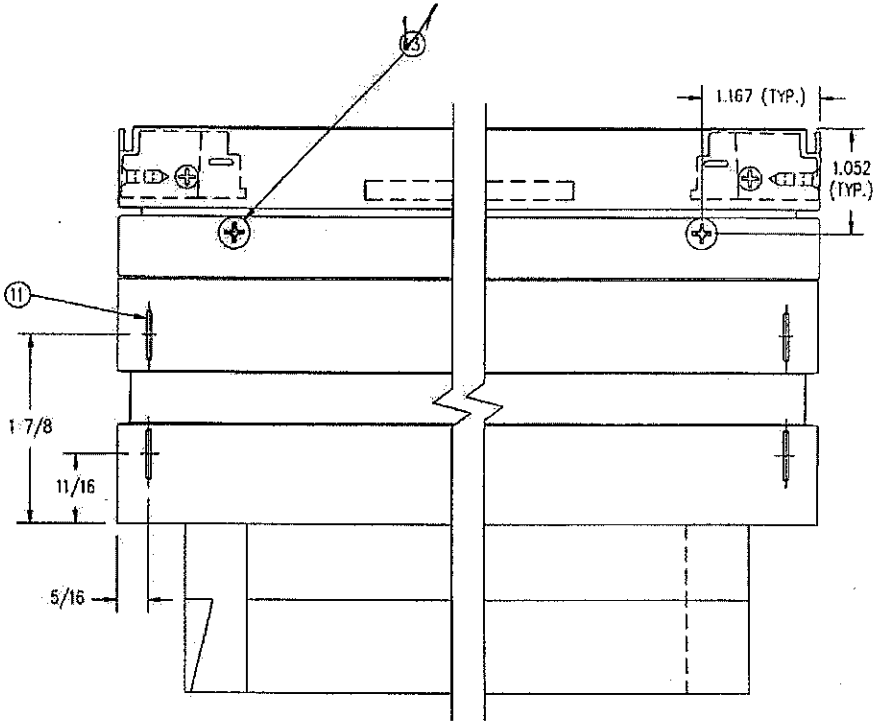
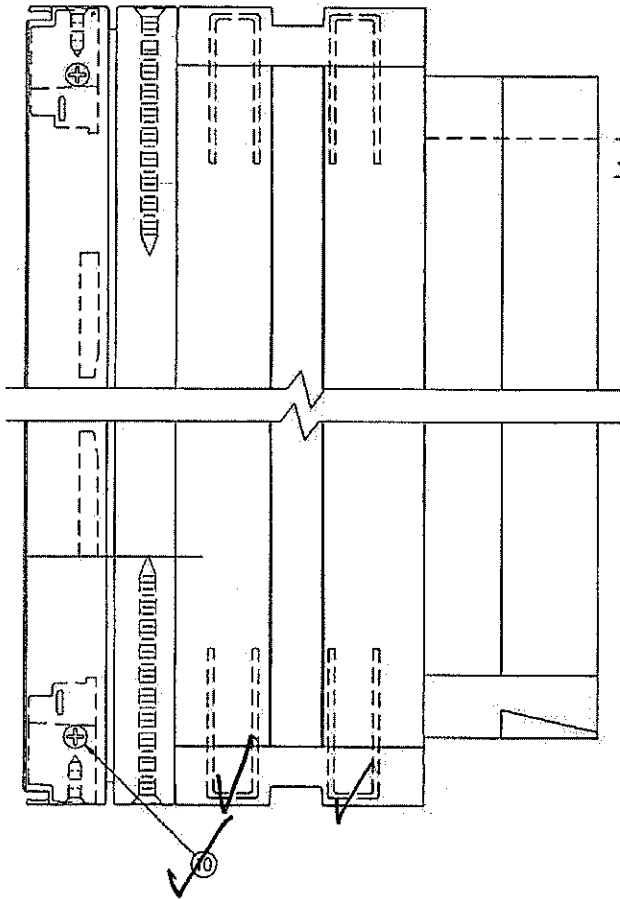
SECTION B-B

|  |             |        |          |
|--|-------------|--------|----------|
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| TITLE: CLAD 1 PC. FIXED CSMT ASSEMBLY  |             |        |          |
| FINISH:  |             |        |          |
| MATERIAL:  |             |        |          |
| DFT:   | RJW         | SCALE: | 1=2      |
| DCN:   | 0710        | DRWG:  | 0401     |
| NO:  | DESCRIPTION | DFT    | DOC      |
| DATE:  | 12/27/02    | C      | 01 OF 05 |



Test sample complies with these details.  
Deviations are noted.

Report# **62113** Tech **Jason Brandt**  
Date **4/19/04**



INTERIOR VIEW SHOWN WITHOUT GLASS, STOPS, OR EXTENSION JAMB.

|  |      |                          |          |
|--|------|--------------------------|----------|
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| TITLE:   |      | CLAD-1 PC. CSMT ASSEMBLY |          |
| FINISH:  |      | W/ IMPACT GLASS          |          |
| MATERIAL:  |      |                          |          |
| DFT:   | RJW  | SCALE:                   | 1=2      |
| DCN:   | 0710 | DRWC:                    | 040T     |
| NO:  |      | DATE:                    | 12/27/02 |
| DESCRIPTION:   |      |                          | C 03     |

|    |             |     |     |      |
|----|-------------|-----|-----|------|
| NO | DESCRIPTION | DFT | DOC | DATE |
|----|-------------|-----|-----|------|

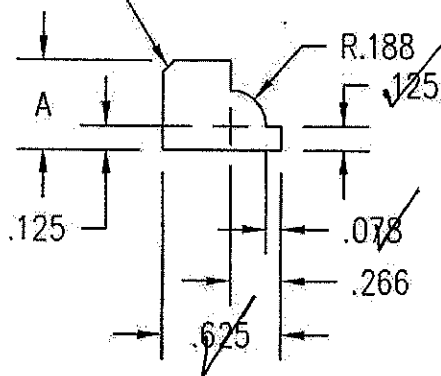
NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC. ±.005; FRAC. ±1/64; ANGLES ±1/2°.

| 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 |
| ALL CLAD AND WOOD WINDOWS AND DOORS EXCEPT AUXILIARY UNITS WHICH ALWAYS USES .469 | SINGLE GLAZED | .680 |

**Architectural Testing**  
 Test sample complies with these details.  
 Deviations are noted.  
 Report# 62-113  
 Date 4/19/06  
 Tech Jason Brandt

| PANEL STOPS            |      |
|------------------------|------|
| PRODUCT                | A    |
| CLAD OUTSWING SIDELITE | .469 |
| CLAD INSWING SIDELITE  | .469 |
| CLAD INSWING TRANSOM   | .469 |
| WOOD OUTSWING SIDELITE | .469 |
| WOOD OUTSWING TRANSOM  | .469 |
| WOOD INSWING SIDELITE  | .469 |
| WOOD INSWING TRANSOM   | .469 |

.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: 5/29/02

A 01 OF 03

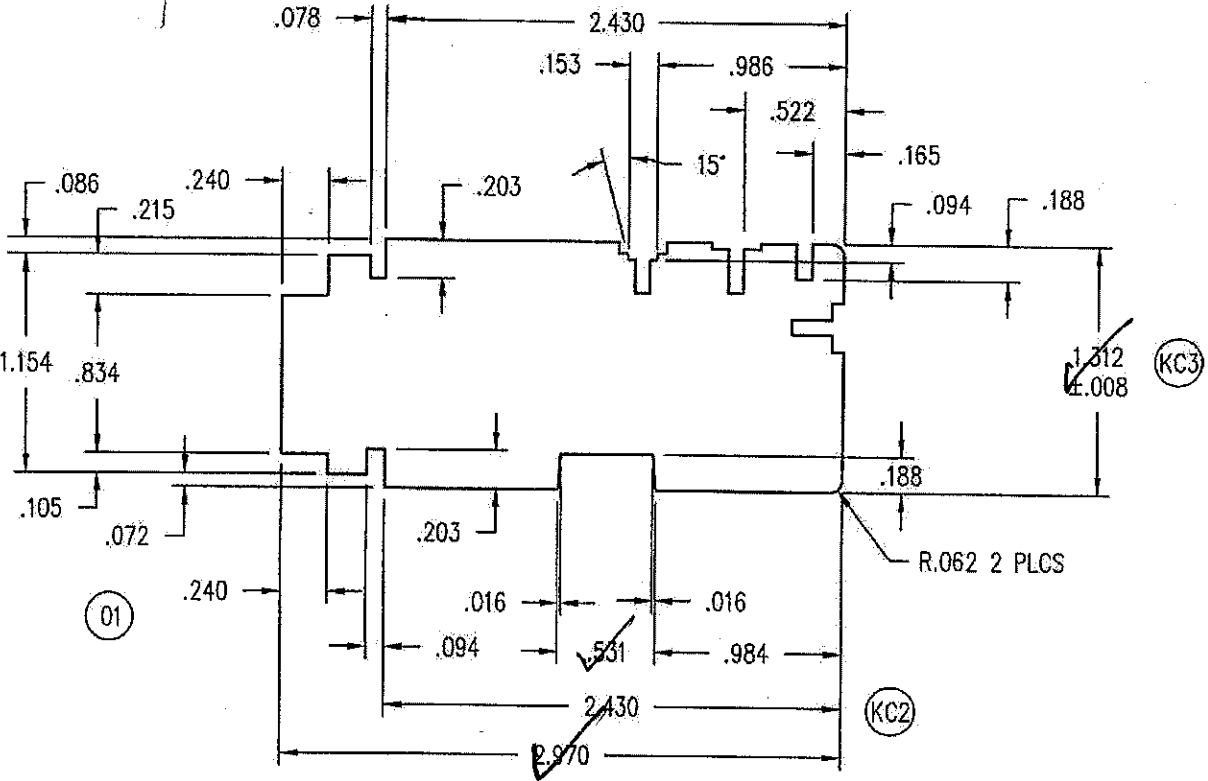
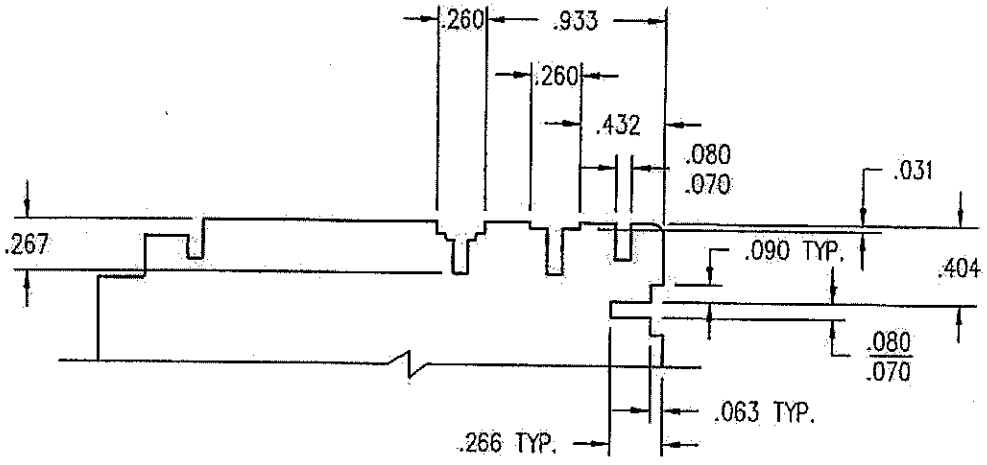
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|----|-------------|-----|-----|------|
|    |             |     |     |      |

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.

Date 4/19/06 Technician Braudt  
 Report# 62113

Test sample complies with these details.  
 Deviations are noted.

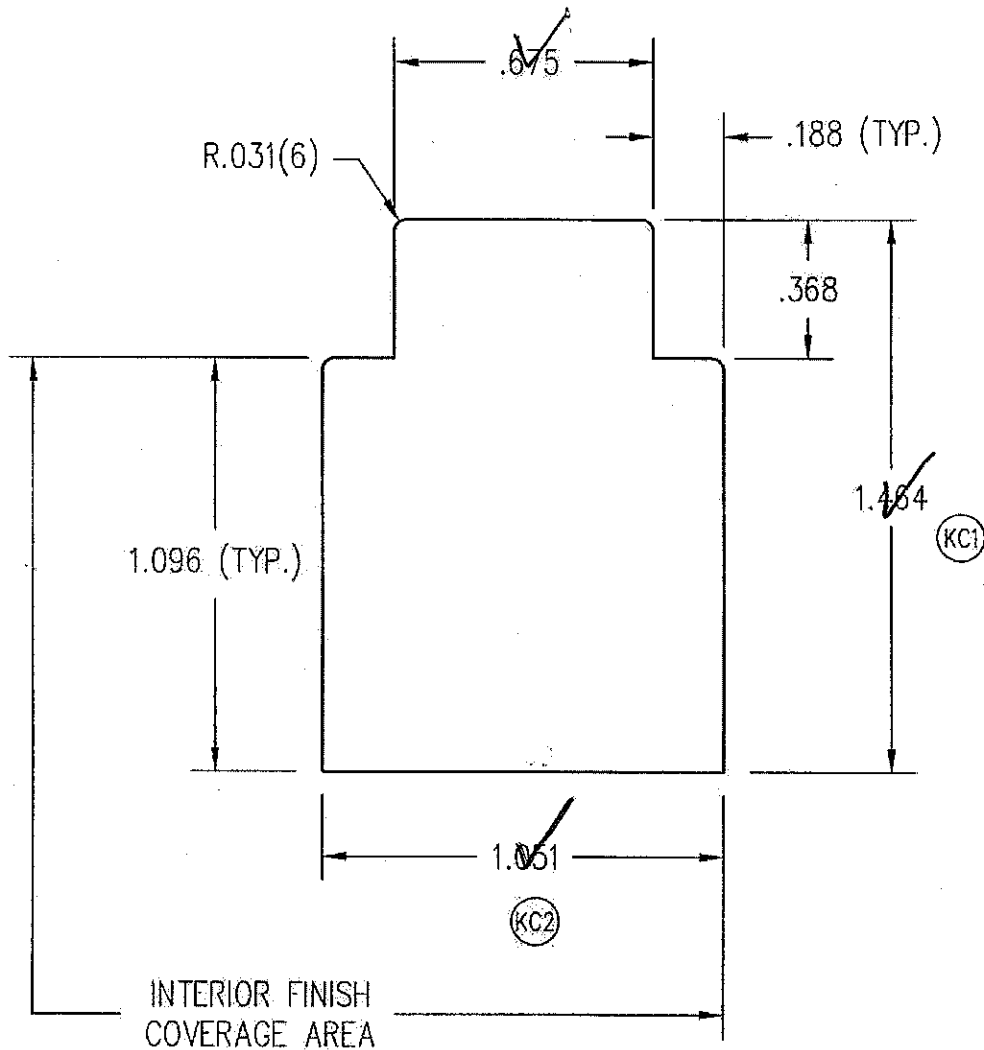
Architectural Testing



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

05, 35, 36, 64

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  $\pm 1/2^\circ$ .



**Architectural Testing**

Test sample complies with these details.  
Deviations are noted.

Report# 62113  
Date 4/19/06 Tech Jason Brandt

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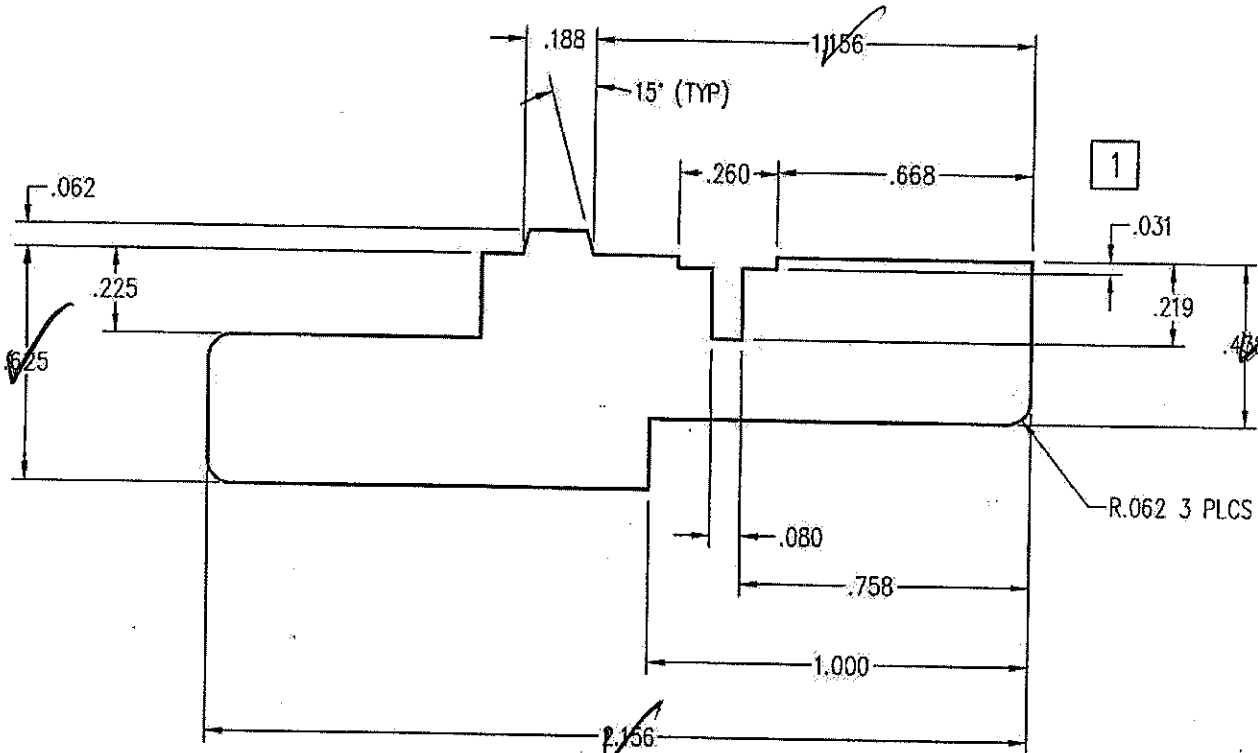
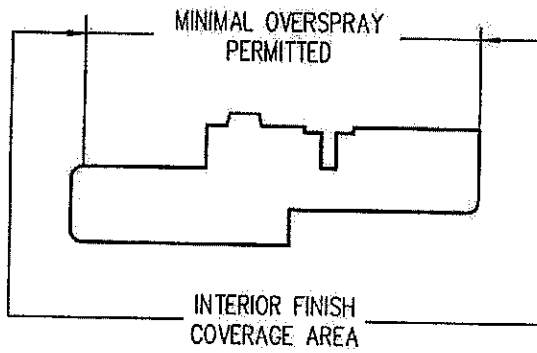
TITLE: CLAD 1 PC. FIXED CSMT  
RAIL/STILE

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 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.

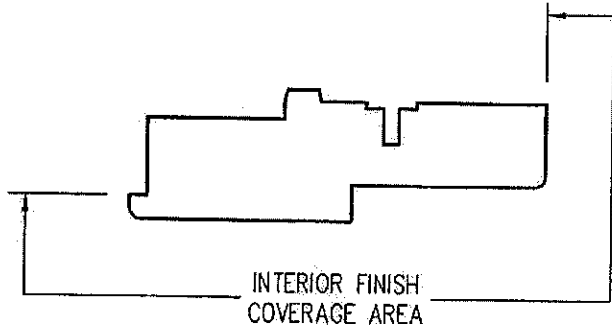
Report# 62113

Date 4/19/06 Tech Jason Brandt

|              |   |   |          |                  |
|--------------|---|---|----------|------------------|
| 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       |
|              | Description of Change                           | Drafter   | DCN#     | Date             |
|              | CASEMENT CONCEALED LOCK<br>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<br>EAGLE WINDOW & DOOR. NO USE OR REPRODUCTION OF THE<br>CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE<br>EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR. |          | REVISION: 20C0   |
| Drafter: AWW | DCN# 0681                                       |   |          | 2 01 of 03       |

49 111 110 20 43.50.56.57.58.64

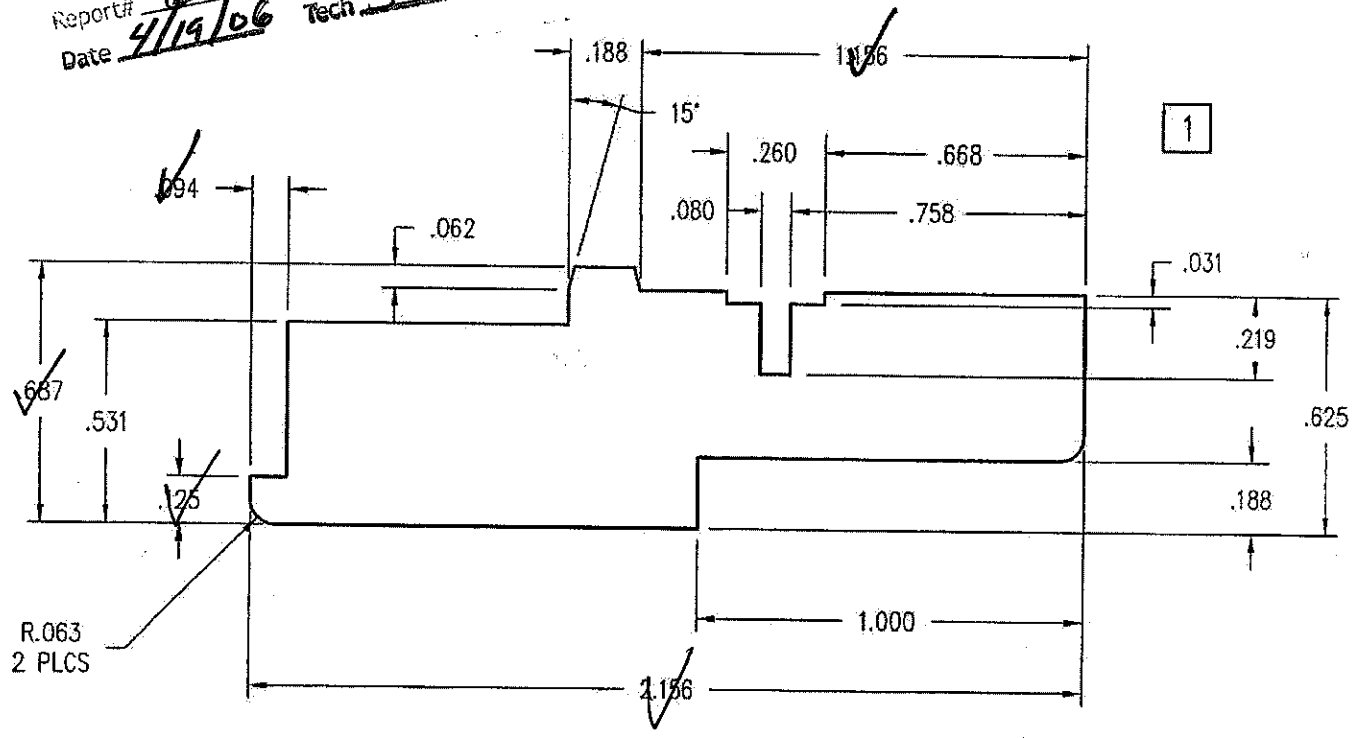
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE:  
 DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.



INTERIOR FINISH  
 COVERAGE AREA

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

Report# 62113  
 Date 4/19/06 Tech. Tason Brandt



|              |   |   |          |                    |
|--------------|---|---|----------|--------------------|
| 01           | REVISED PROFILE -- ADDED BLIND NAIL CLIP ROUT | RDA   | 0925     | 09/30/04           |
| NO           | Description of Change                         | Drafter   | DCN#     | Date               |
|              | 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<br>EAGLE WINDOW & DOOR. NO USE OR REPRODUCTION OF THE<br>CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE<br>EXPRESS WRITTEN PERMISSION OF EAGLE WINDOW & DOOR. |          |                    |
| Drafter: TWN | DCN# 0803                                     |   |          |                    |

59, 43, 50, 57, 64

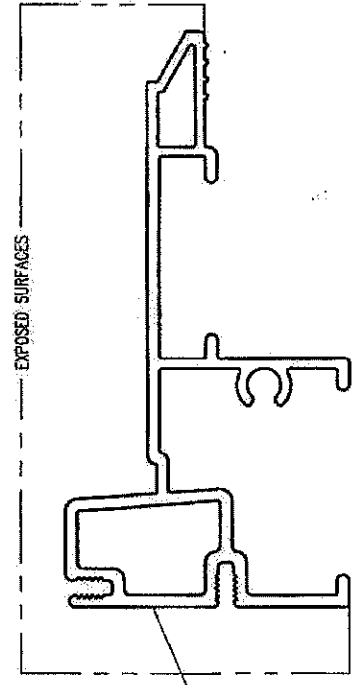
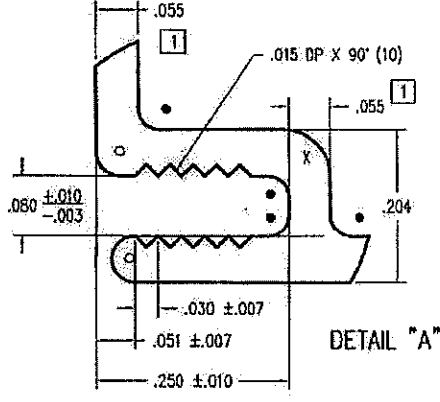
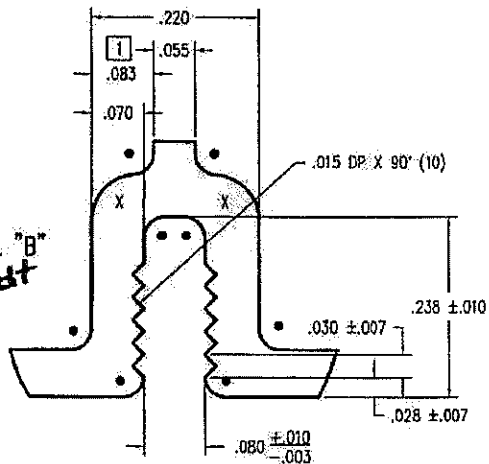
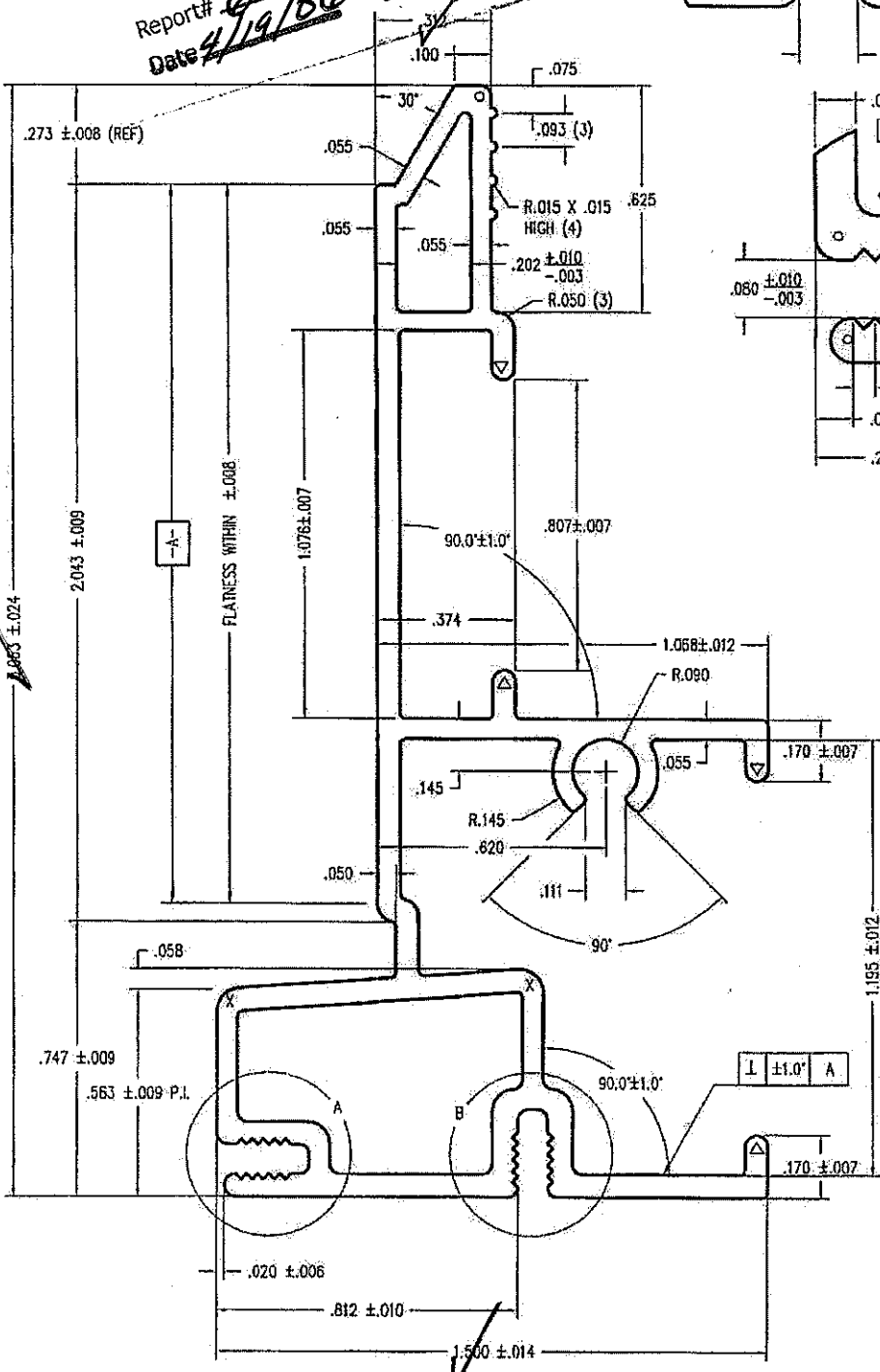
NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. UNLESS OTHERWISE SPECIFIED, WALL THICKNESS IS  $.062$ .  
 3. UNLESS OTHERWISE SPECIFIED, BREAK ALL CORNERS  $.015$  RADIUS.

- R .028 (12)
- R .031 (3)
- X R .052 (6)
- △ FULL RND. (4)

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

Report# **62113**  
 Date **4/19/06**

Tech **Jason Brandt**

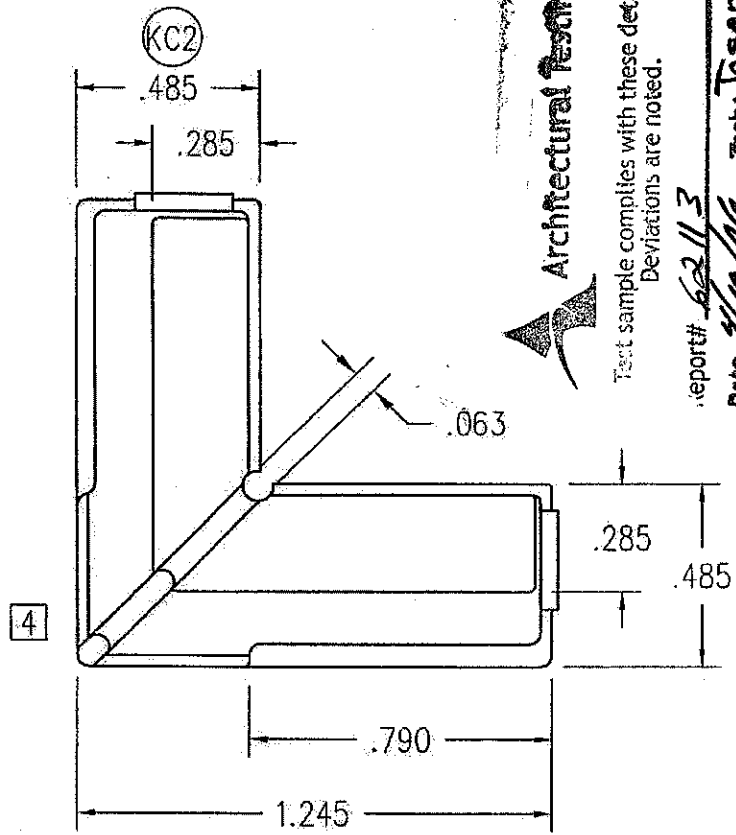
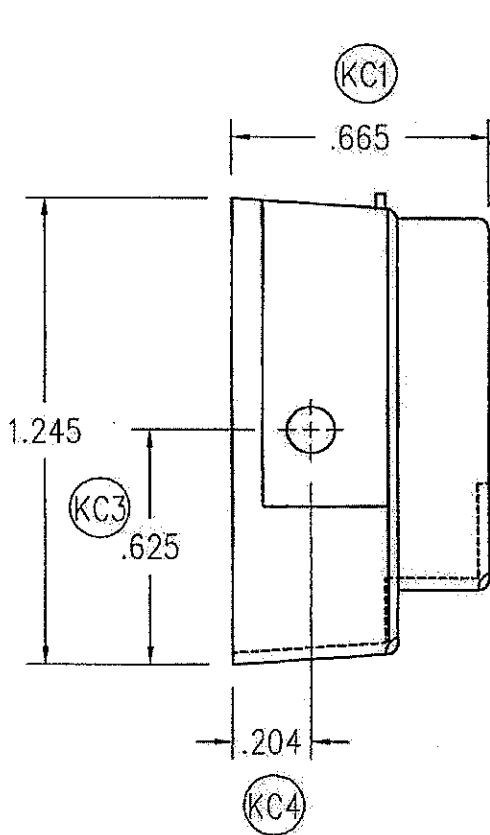
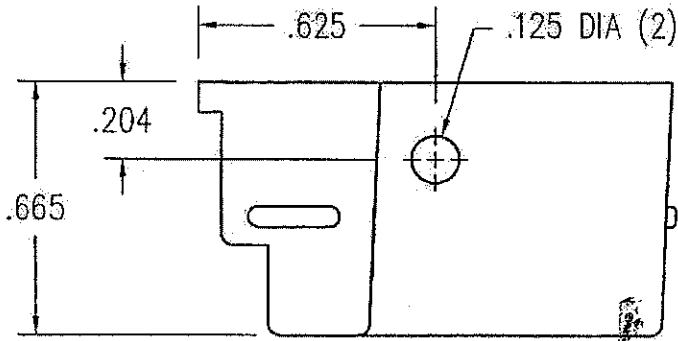


+ .005 CONVEX  
 + .005 CONCAVE

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 TITLE: FRAME/SASH CLADDING  
 1 PC. CSMT (W/SCREW BOSS)  
 FINISH: EAGLE'S STD. COLORS  
 MATERIAL: 6063 T-6 ALUMINUM OR EQUIVALENT  
 DFT: ANW SCALE: 2=1  
 DATE: 0683 DRWG: A553

| NO | DESCRIPTION                  | DFT | DOC  | DATE     | DATE: 3/26/2002 | C          | 01 OF 03 |
|----|------------------------------|-----|------|----------|-----------------|------------|----------|
| 01 | ADDED/CHK'D DIM. & TOLERANCE | TWN | 0778 | 4/4/2003 | 0683            | DRWG: A553 |          |

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  $\pm 1/2^\circ$ .



Architectural Testing

Test sample complies with these details. Deviations are noted.

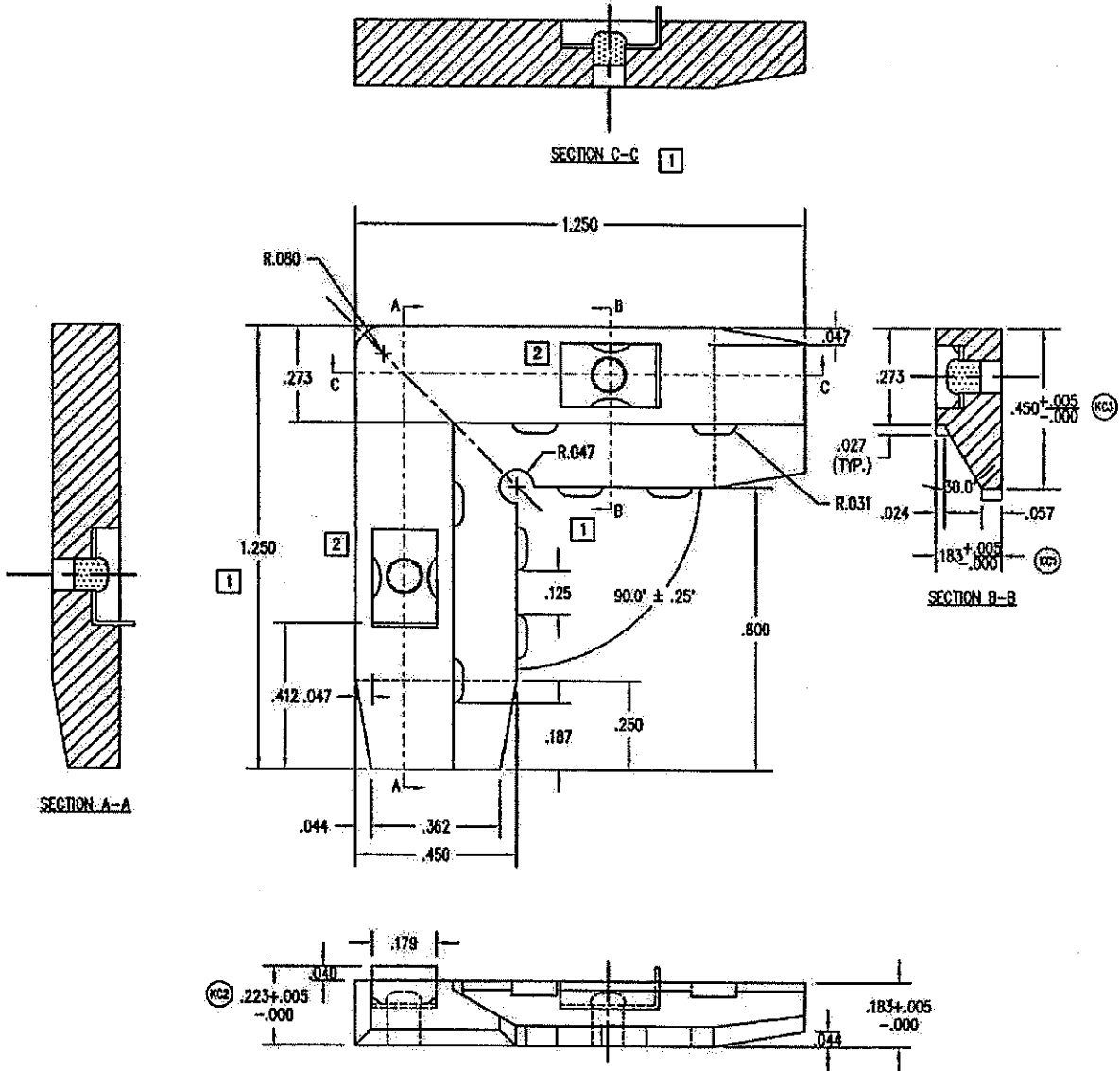
Report# 62113  
 Date 2/19/06 Tech Jason Brandt

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 TITLE: NYLON CORNER KEY WITH HOLES

FINISH:

|    |                        |     |      |           |                                |            |
|----|------------------------|-----|------|-----------|--------------------------------|------------|
| 05 | ADDED KC SYMBOLS       | RJW | 0770 | 1/31/2003 |                                |            |
| 04 | ADDED SEALANT RECESSES | CEL | 0379 | 2/10/1999 | MATL: ST NYLON BLACK (REGRIND) |            |
| 03 | ADDED MATERIAL         | CEL | 0352 | 9/16/1998 |                                |            |
| 02 | CHANGED HOLE DIAMETER  | TWN | MAPI | 9/8/1997  | DFT: JMH                       | SCALE: 2=1 |
| 01 | UPDATED & ADDED DIA.   | REL | 0087 | 5/3/1996  | DCN: 0016                      | DRWG: A100 |
| NO | DESCRIPTION            | DFT | DOC  | DATE      | DATE: 1/5/1993                 | A 01 OF 01 |

- 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. BREAK ALL CORNERS  $.010$  R.  
 3. TOLERANCES  $\pm .005$  UNLESS SPECIFIED.



**Architectural Testing**

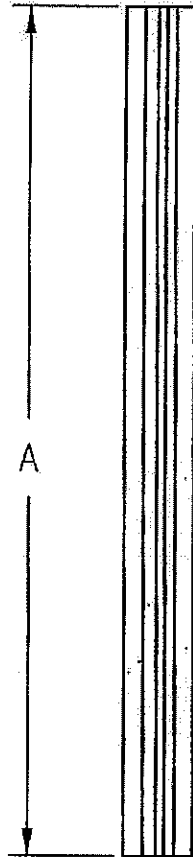
Test sample complies with these details:  
 Deviations are noted.

Report# ~~62113~~ **62113**  
 Date **4/19/06** Tech. **Jason Brandt**

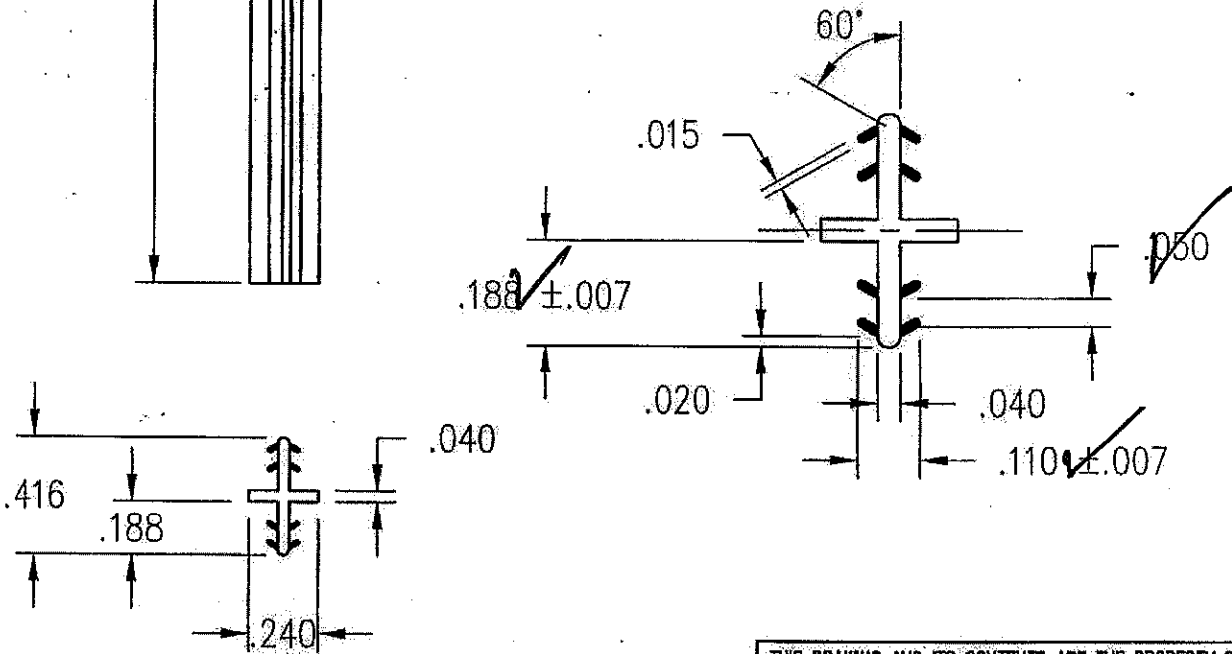
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 TITLE: CORNER KEY  
 FINISH:  
 MATL: PC-BLACK (REGRIND)

| NO | DESCRIPTION             | DFT | DOC | DATE            | DATE: 6/9/1992 | C         | 01 OF 01   |
|----|-------------------------|-----|-----|-----------------|----------------|-----------|------------|
| 01 | ADDED KC SYMBOLS        |     |     | 01/30/2003      |                |           |            |
| 02 | CHANGED SS INSERTS      |     |     | 05/09/11/7/2000 |                | JMH       | SCALE: 2=1 |
| 03 | UPDATED & REVISED PRINT |     |     | 02/01/17/6/1998 |                | DCN: D029 | DRWS: A08W |

NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.005$ ; 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 |



Test sample complies with these details.  
Deviations are noted.

Report# **62113**

Date **4/19/06** Tech **Jason Brandt**

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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 |
|----|-------------|-----|-----|------|
|    |             |     |     |      |

56, 64