

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

**Rendered to:**

**EAGLE WINDOW & DOOR, INC.**

**SERIES/MODEL: Double Hung 4060  
PRODUCT TYPE: Aluminum Clad Wood Double Hung**

<b>Title</b>	<b>Summary of Results</b>
Primary Product Designator	LC-PG55-H 1219 x 1829 (48 x 72)*
Design Pressure	2640 Pa (55.0 psf)
Operating Force (in motion)	99 N (22.3 lbf)
Air Infiltration	<0.05 L/s/m <sup>2</sup> (<0.01 cfm/ft <sup>2</sup> )
Water Penetration Resistance Test Pressure	400 Pa (8.25 psf)
Uniform Load Structural Test Pressure	±3960 Pa (82.5 psf)
Forced Entry Resistance	Grade 10

**Test Completion Date:** 05/30/07

Reference must be made to Report No. 73119.03-201-44, dated 12/04/08 for complete test specimen description and data. Reference Architectural Testing, Inc. Report No. 73119.01-201-44, dated 12/04/08 for complete *Gateway* test specimen description and test results

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

Rendered to:

EAGLE WINDOW & DOOR, INC.  
2045 Kerper Boulevard  
Dubuque, Iowa 52001

Report No.:	73119.03-201-44
Test Dates:	05/30/07
Through:	06/01/07
Original Report Date:	06/27/07
Revised Report Date:	12/04/08
Expiration Date:	05/30/11

**Project Summary:** Architectural Testing, Inc. was contracted by Eagle Window & Door, Inc. to perform testing on a Series/Model Double Hung 4060, Aluminum Clad Wood Double Hung window. The sample tested successfully met the performance requirements for a LC-PG55-H 1219 x 1829 (48 x 72)\*. Test specimen description and results are reported herein. Reference Architectural Testing, Inc. Report No. 73119.01-201-44, dated 12/04/08 for complete *Gateway* test specimen description and test results.

**General Note:** An asterisk (\*) next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.

**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:** Double Hung 3460

**Product Type:** Aluminum Clad Wood Double Hung window

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

**Lower Sash Size:** 1124 mm (44-1/4") wide by 921 mm (36-1/4") high

**Upper Sash Size:** 1124 mm (44-1/4") wide by 870 mm (34-1/4") high

**Overall Area:** 2.2 m<sup>2</sup> (24.0 ft<sup>2</sup>)

## Test Specimen Description: (Continued)

**Finish:** Exterior cladding was painted white, interior wood was natural.

**Frame Construction:** Head frame corners were coped, butted, sealed with silicone, and secured with three 11 mm (7/16") by 44 mm (1-3/4") long staples per corner. Sill frame corners were coped, butted, sealed with a corner gasket and silicone, and secured with two #8 by 44 mm (1-3/4") screws. Aluminum cladding was slip-fit over wood members, miter-cut at head corners and secured with a corner key and two #6 by 11 mm (7/16") screws per corner. Sill corners were coped, butted, sealed with a corner gasket and silicone and secured with a #7 by 32 mm (1-1/4") screw and a #6 by 11 mm (7/16") screw.

**Sash Construction:** The lower sash and upper sash, top rail and stiles consisted of molded pine sections, the lower sash meeting rail was LVL. Upper sash corners were mortise-and-tenon construction and secured with glue and one 5 mm (3/16") by 38 mm (1-1/2") staple per corner. Aluminum cladding was slip-fit over wood members, upper sash corners were miter-cut, sealed with butyl and secured with a corner key and two #4 by 13 mm (1/2") screws per corner. Lower sash corners were mortise-and-tenon construction; meeting rail corners were secured with glue and two 5 mm (3/16") by 38 mm (1-1/2") staples per corner; bottom rail corners were secured with glue and one #8 by 57 mm (2-1/4") screw per corner. Aluminum cladding were slip-fit over wood members, corners were coped, butted and sealed with butyl.

**Screen Construction:** The screen was comprised of roll-formed aluminum with plastic corner keys. Fiberglass screen cloth was attached with a vinyl spline.

**Glazing Details:** The sash were glazed with nominal 16 mm (5/8") insulating glass comprised of two nominal 3 mm (1/8") annealed sheets separated by a desiccant-filled stainless steel spacer system. The glass was set from the interior against InstantGlaze II silicone sealant and secured with wood glazing beads set on the interior, secured with 25 mm (1") brad nails spaced 152 mm to 203 mm (6" to 8") on center.

## Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Hollow vinyl bulb	1 Row	Lower sash bottom rail; upper sash meeting rail
Foam filled bulb	1 Row	Head jamb and side jambs
Wool pile	2	Side jambs at check rail

**Test Specimen Description:** (Continued)

**Hardware:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Vinyl jamb liner with block-and-tackle balance	2	Jamb pockets
Sweep locks and keepers with integrated tilt latches	2	203 mm (8") from sash corner
Metal tilt pins	4	Bottom corners of stiles

**Installation:** The window was installed within a wood test frame with installation clips that were secured to the window with two #8 by 16 mm (5/8") screws and to the buck on the interior and exterior with two #8 by 38 mm (1-1/2") screws that were spaced 610 mm (24") from corners on side jambs, with 51 mm (2") roofing nails 203 mm (8") on center through flange. The unit was sealed to the buck with silicone.

**Test Results:** The temperature during testing was 21°C (70°F). The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.1	Operating Force per ASTM E 2068**		
	Upper sash		
	Open		
	Initiate motion	63 N (14.2 lbf)	--
	Maintain motion	86 N (19.3 lbf)	180 N (40.0 lbf)
	Close		
	Initiate motion	70 N (15.8 lbf)	--
	Maintain motion	56 N (12.7 lbf)	180 N (40.0 lbf)
	Lower sash		
	Open		
	Initiate motion	78 N (17.5 lbf)	--
	Maintain motion	72 N (16.2 lbf)	180 N (40.0 lbf)
	Close		
	Initiate motion	92 N (20.8 lbf)	--
	Maintain motion	99 N (22.3 lbf)	100 N (40.0 lbf)
	Latches		
	Lock	7 N (1.5 lbf)	100 N (22.5 lbf)
	Unlock	16 N (3.5 lbf)	100 N (22.5 lbf)

**Test Results: (Continued)**

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.2.1	Air Leakage Resistance per ASTM E 283**		
	75 Pa (1.6 psf)	<0.05 L/s/m <sup>2</sup> (<0.01 cfm/ft <sup>2</sup> )	1.5 L/s/m <sup>2</sup> (0.3 cfm/ft <sup>2</sup> max.)
	300 Pa (6.2 psf)	0.81 L/s/m <sup>2</sup> (0.16 cfm/ft <sup>2</sup> )	-- --

**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 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: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Tests A1 through A5; A7	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
5.3.6.3	Deglazing Test**		
	In operating direction - 320 N (70 lbf)		
	Upper sash-top rail	1.8 mm (0.07")	11.4 mm (0.45")
	Upper sash-meeting rail	2.0 mm (0.08")	11.4 mm (0.45")
	Lower sash-meeting rail	2.0 mm (0.08")	11.4 mm (0.45")
	Lower sash-bottom rail	1.5 mm (0.06")	11.4 mm (0.45")
	In remaining direction - 230 N (50 lbf)		
	Upper sash-left stile	1.5 mm (0.06")	11.4 mm (0.45")
	Upper sash-right stile	1.5 mm (0.06")	11.4 mm (0.45")
	Lower sash-left stile	1.3 mm (0.05")	11.4 mm (0.45")
	Lower sash-right stile	1.3 mm (0.05")	11.4 mm (0.45")

**Test Results:** (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance</u>			
4.3.2.1	Water Penetration Resistance per ASTM E 547 and E 331 (with and without insect screen) 400 Pa (8.25 psf)	No leakage	No leakage
4.3.2.1	Uniform Load Deflection per ASTM E 330 (Positive deflections were taken on the sash stile; negative deflections were taken on the meeting rail) (Loads were held for 60 seconds)		
	2640 Pa (55.0 psf) (positive)	9.4 mm (0.23")	See Note #3
	2640 Pa (55.0 psf) (negative)	4.3 mm (0.22")	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)		
	3960 Pa (82.5 psf) (positive)	0.8 mm (0.03")	3.6 mm (0.14") max.
	3960 Pa (82.5 psf) (negative)	2.3 mm (0.09")	3.6 mm (0.14") max.

**\*\*Results** were taken from a larger window of similar construction tested 06/30/07; please see Architectural Testing, Inc. test report 73119.01-201-44.

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.

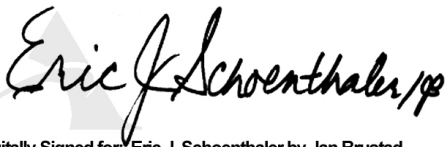
**List of Official Observers:**

<u>Name</u>	<u>Company</u>
Thad McKinley	Eagle Window & Door, Inc.
Joe Cogan	Eagle Window & Door, 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.

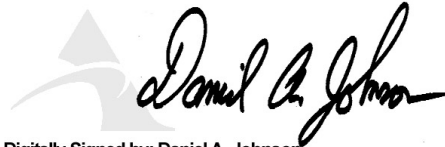
Results obtained are tested values and were secured by using the designated test methods. No conclusions of any kind regarding the adequacy or inadequacy of the glass in the test specimen can be made. This report does not constitute certification of this product nor an opinion or endorsement by this 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.



Digitally Signed for: Eric J. Schoenthaler by Jan Brustad

Eric J. Schoenthaler  
Project Manager



Digitally Signed by: Daniel A. Johnson

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 (41)

### Revision Log

<b><u>Rev. #</u></b>	<b><u>Date</u></b>	<b><u>Page(s)</u></b>	<b><u>Revision(s)</u></b>
0	06/27/07	N/A	Original report issue. Report and drawings forwarded to AMS for Hallmark Certification.
1	07/06/07	2	Corrected glazing sealant in glazing paragraph. Report and drawings forwarded to AMS for Hallmark Certification.
2	09/11/07	2	Corrected glazing thickness in glazing paragraph. Report and drawings forwarded to AMS for Hallmark Certification.
3	12/04/08	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](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 #: 73119.03-201-44-R3

Email: [tbergstrom@eaglewindow.com](mailto:tbergstrom@eaglewindow.com)

### Product Relationship:

Extension of currently certified product?

☒ yes ☐ no ☐ n/a

Recertification ☐ New ☒ (check one)

If yes, what CCL # ?

099-H-685.02

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: T7 Talon Double Hung Vent  
(as to be listed on CCL)

Product Type: Hung Window – Vertical Sliding

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	_____
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<b>X</b>	AAMA/WDMA/CSA/101/I.S.2/A440-08	LC-PG55-H + 55 / -55
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## **Appendix C**

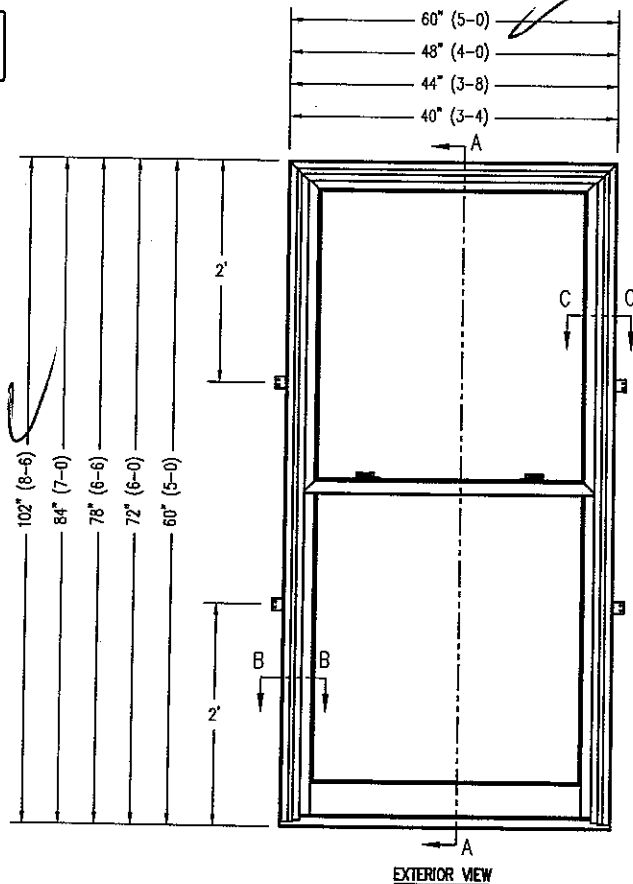
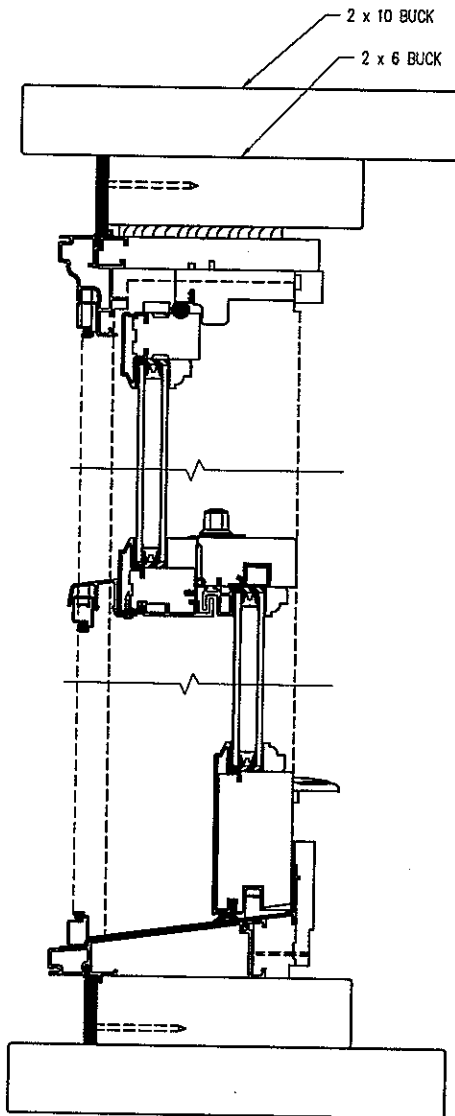
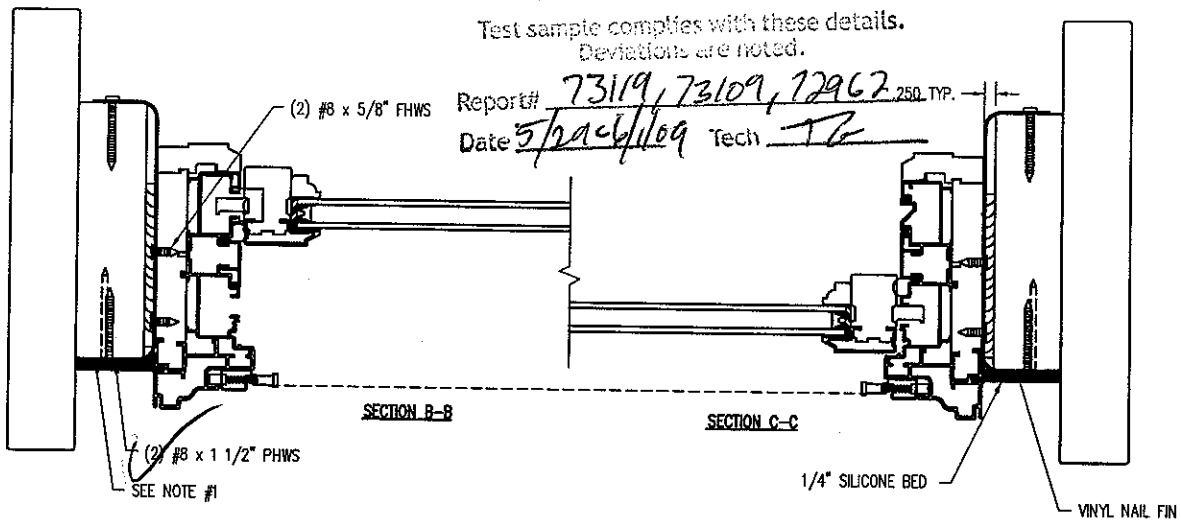
### **Drawings**

1. (36) 2" ROOFING NAILS THROUGH NAIL FIN INTO BUCK SPACES 3 1/2" FROM EACH END AND 6" ON CENTER THEREAFTER

Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 12962 250 TYP.  
Date 5/29/09 Tech TR



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TITLE: CDHV  
INSTALLATION DETAIL

FINISH:

MATERIAL:

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DCN: 0881 DRWG: 0535  
DATE: 3/19/07 C 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE

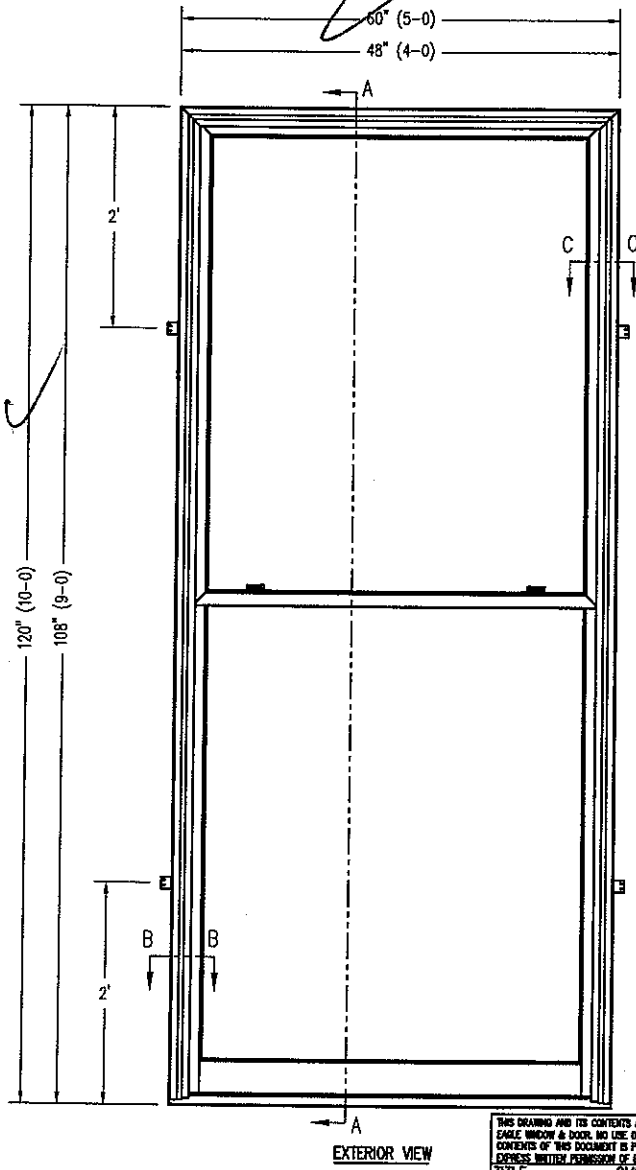
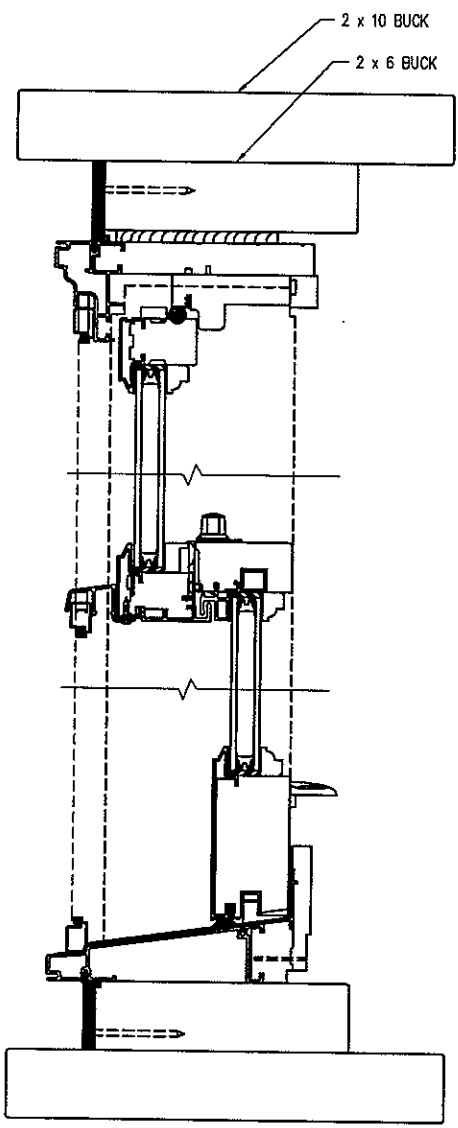
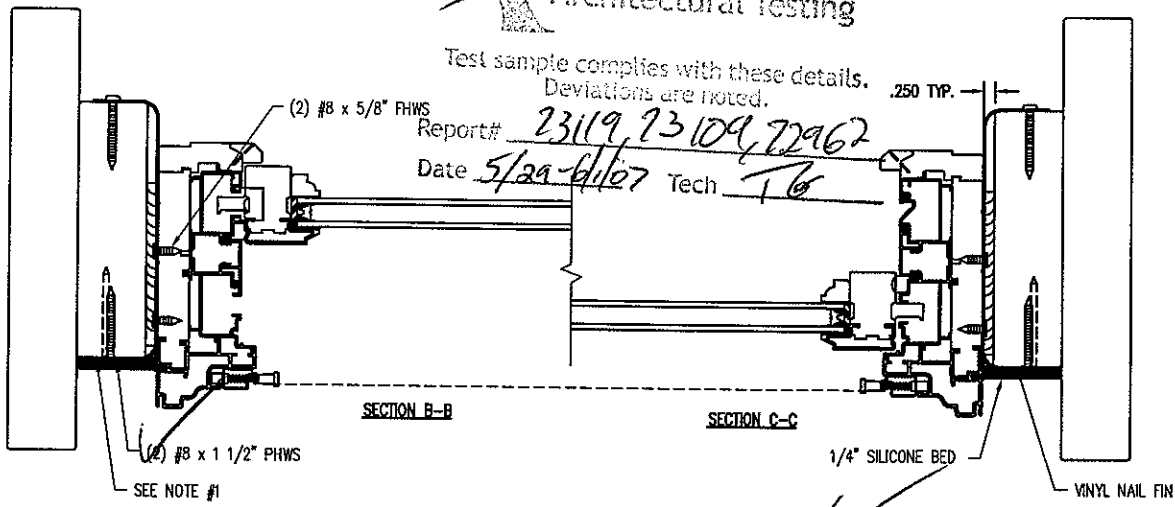
1. (36) 2" ROOFING NAILS THROUGH NAIL FIN INTO BUCK SPACES 3 1/2" FROM EACH END AND 6" ON CENTER THEREAFTER.

Architectural Testing

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Report# 23119, 23109, 22962

Date 5/29-6/1/07 Tech TB



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INSTALLATION DETAIL  
FINISH:  
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DFT: KJS SCALE: 1=4  
DCN: 0881 DRWG: 0535  
DATE: 3/19/07 C 02

NO	DESCRIPTION	DFT	DOC	DATE

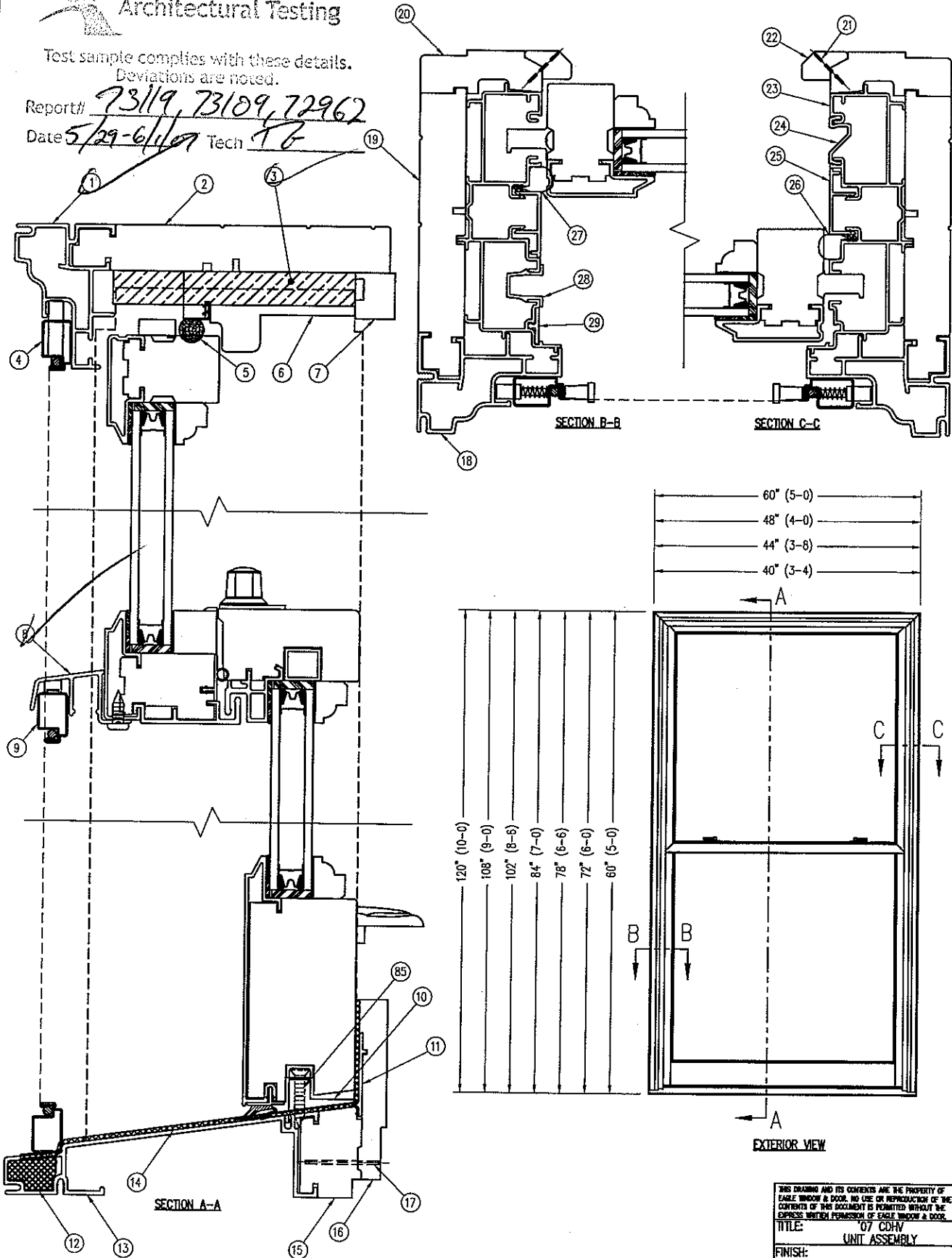


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Report# 73119, 73109, 72962

Date 5/29-6/1/07 Tech TG



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FINISH:			
MAIL:			
DFT:	KJS	SCALE:	1-2
DCN:	0881	DRWG:	0534
DATE:	3/19/07	C	01 OF 12

NO	DESCRIPTION	DFT	DOC	DATE



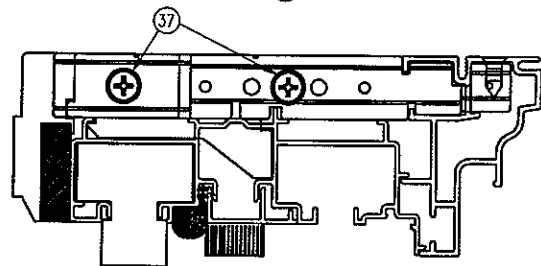
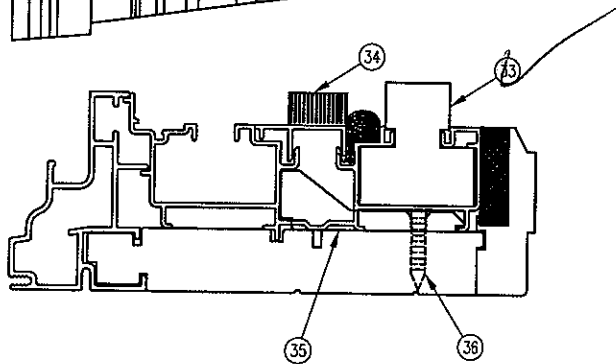
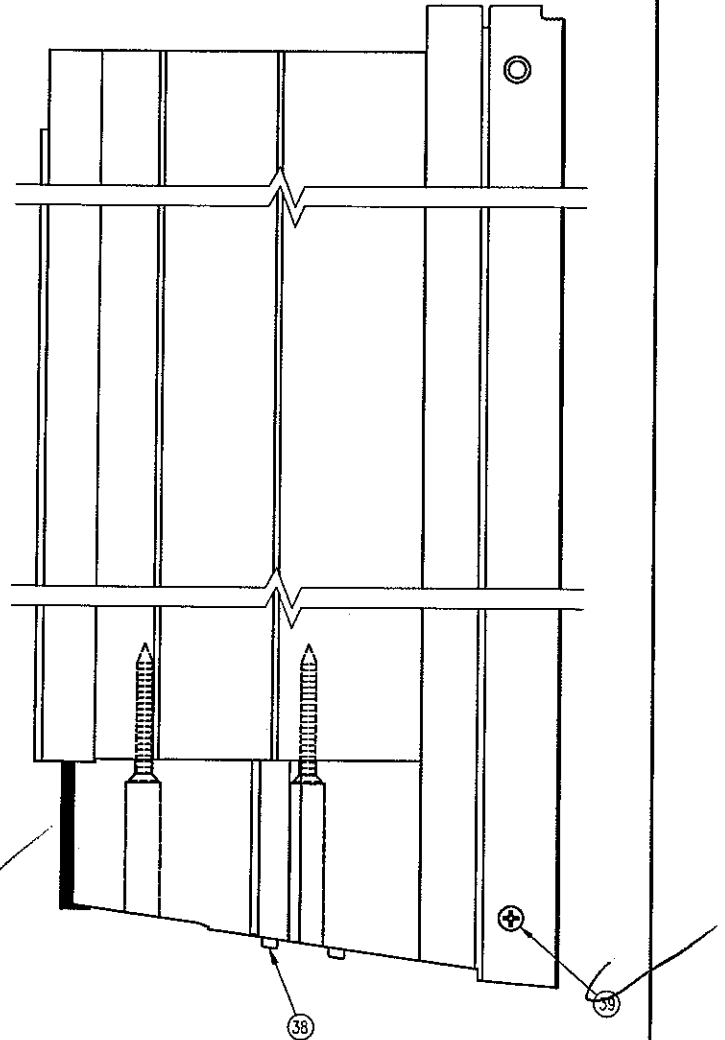
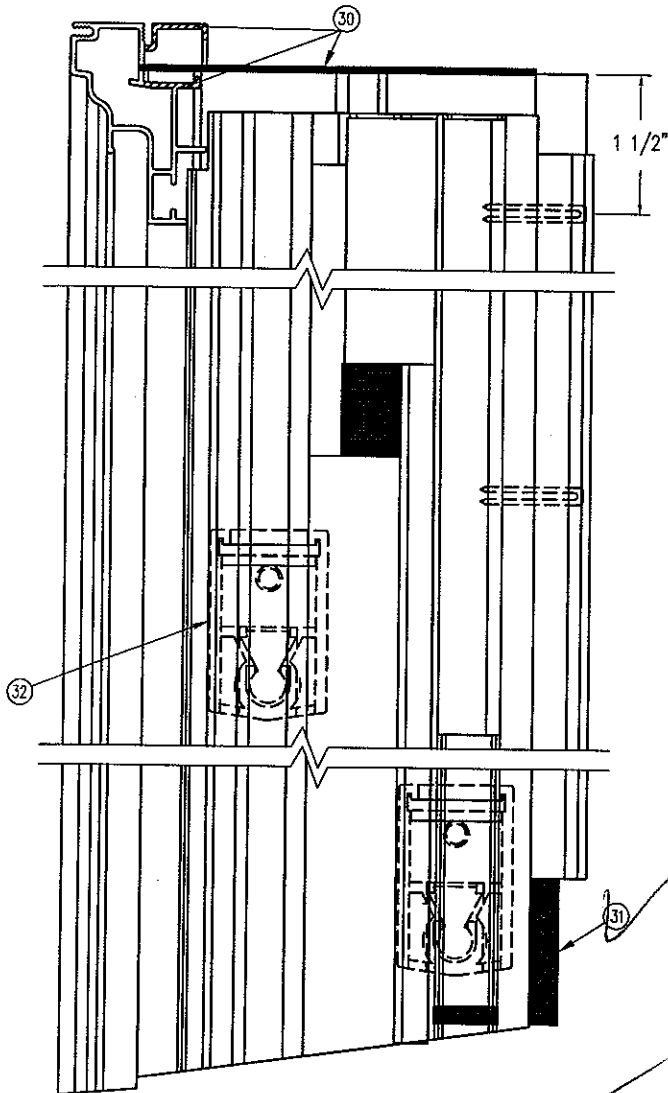
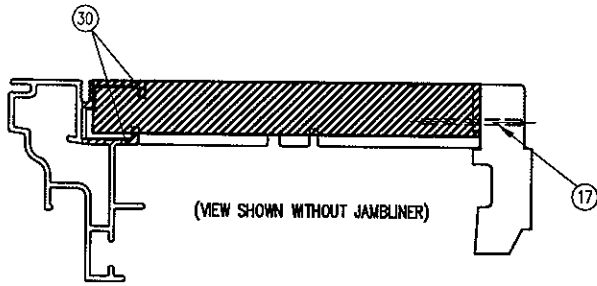


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Report# 73119, 73109, 72962

Date 5/29-6/1/07 Tech TG



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TITLE: CDHV  
UNIT ASSEMBLY

FINISH:

MATL:

DFT: KJS SCALE: 1=2

DCN: 0881 DRWG: 0534

DATE: 3/19/07 C 02

NO DESCRIPTION

DFT DOC DATE



# Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report#

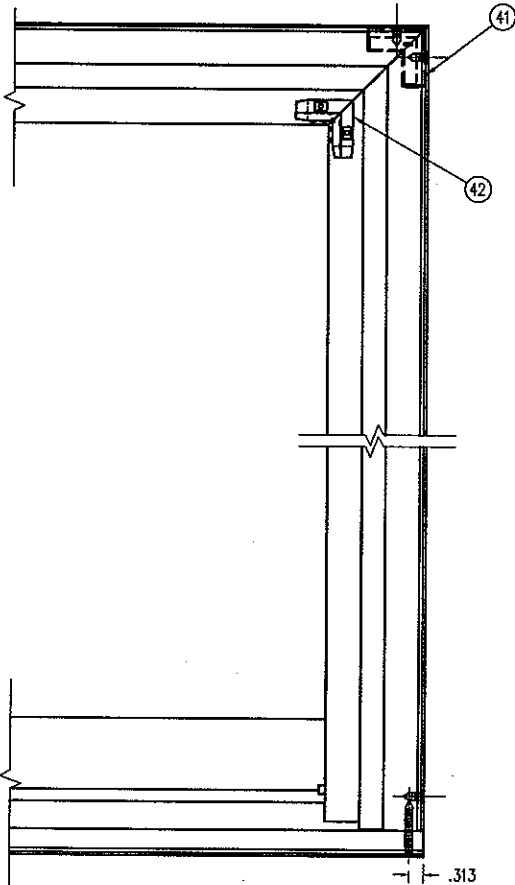
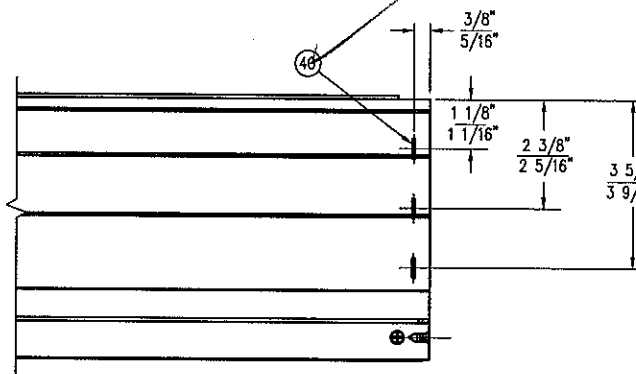
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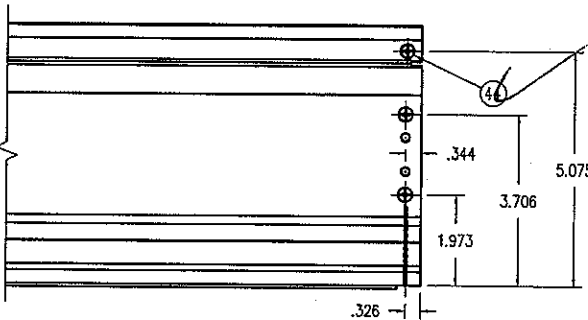
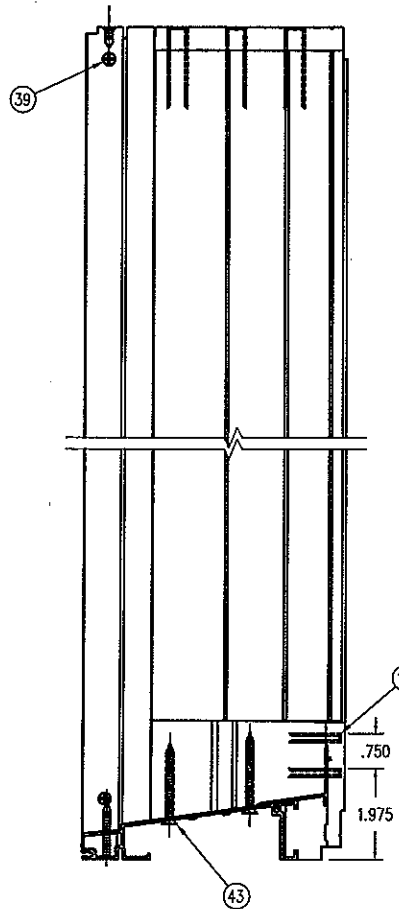
5/29-6/10/07

Tech

16



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FINISH:		UNIT ASSEMBLY	
MATERIAL:			
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DRAWN BY:	0881	DATE:	3/19/07
CHECKED BY:		DATE:	3/19/07
DATE:	3/19/07	DATE:	3/19/07
DATE:	3/19/07	DATE:	3/19/07

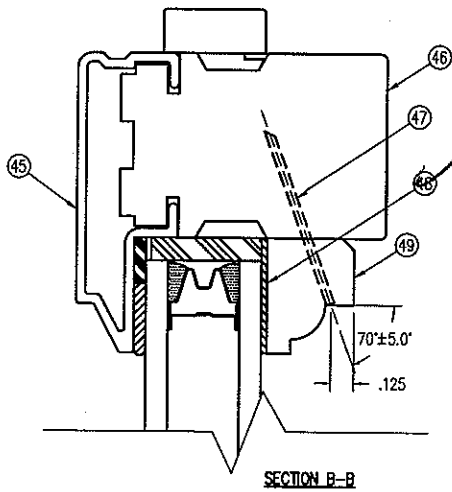
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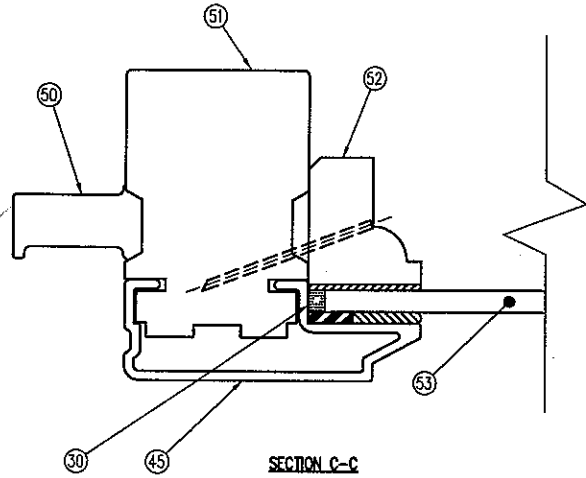
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Deviations are noted.

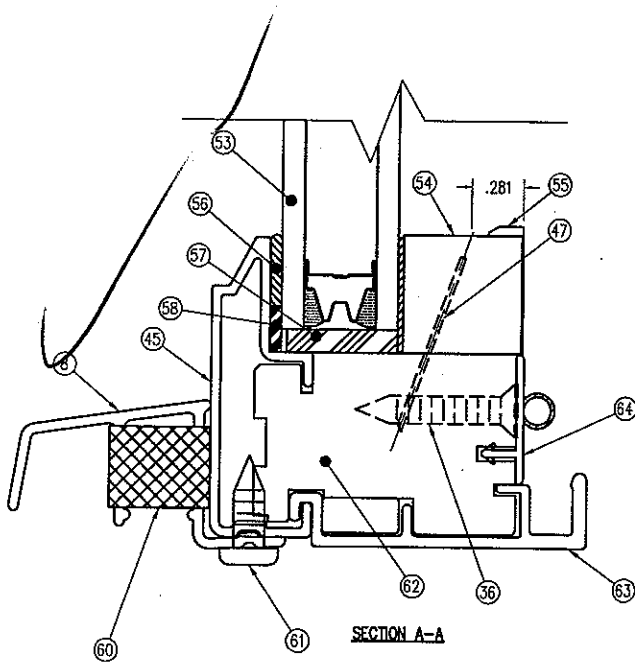
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Date 5/29-6/1/07 Tech LG



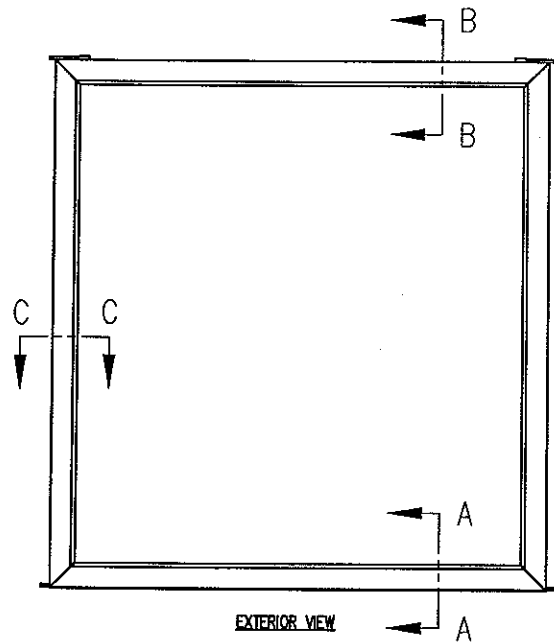
SECTION B-B



SECTION C-C



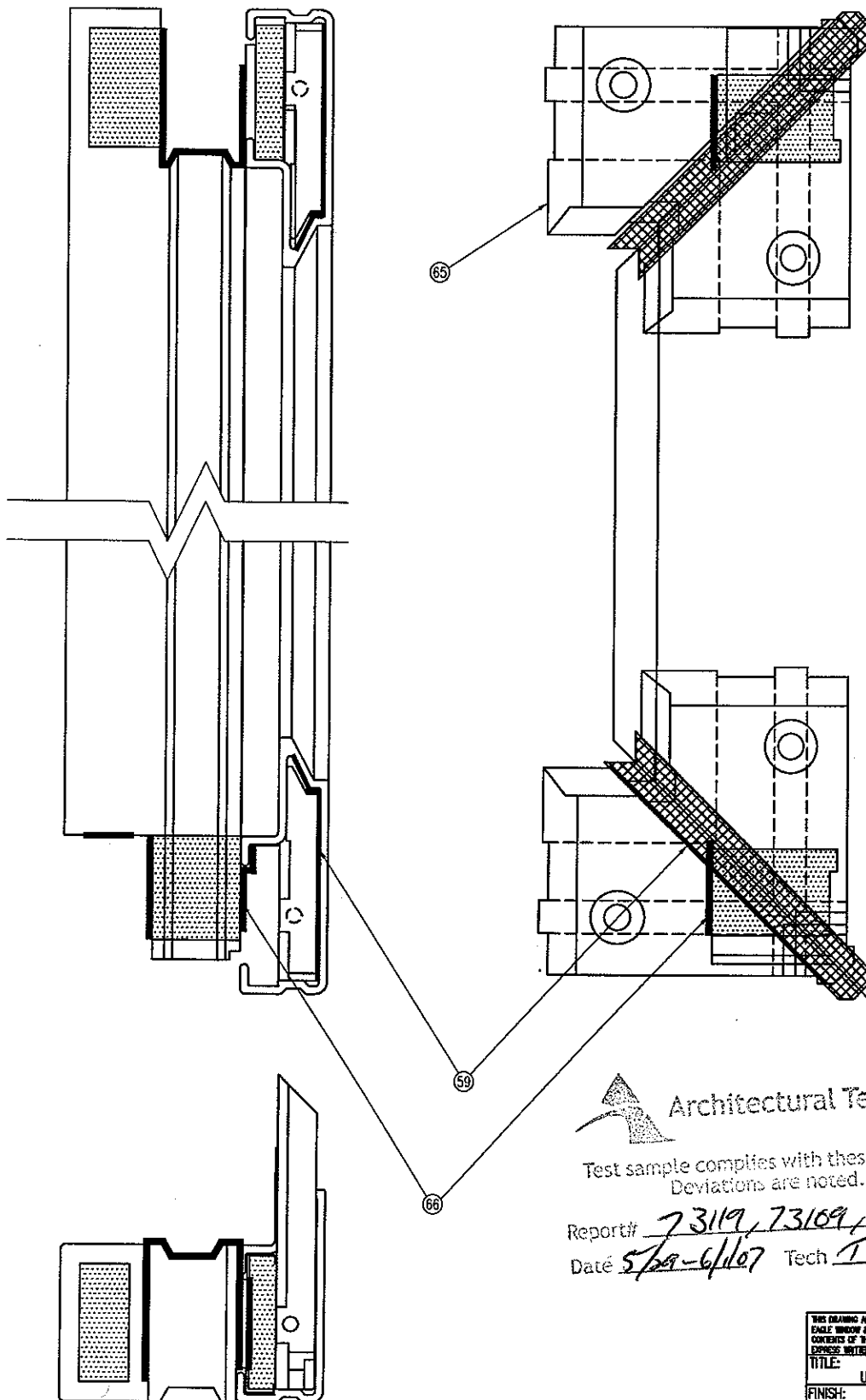
SECTION A-A



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TITLE: CDHV	
FINISH: UPPER SASH ASSEMBLY	
MATERIAL:	
DFT: KJS	SCALE: 1=1
DCN: 0881	DRWG: 0534
DATE: 3/19/07	C 04

NO	DESCRIPTION	DFT	DOC	DATE
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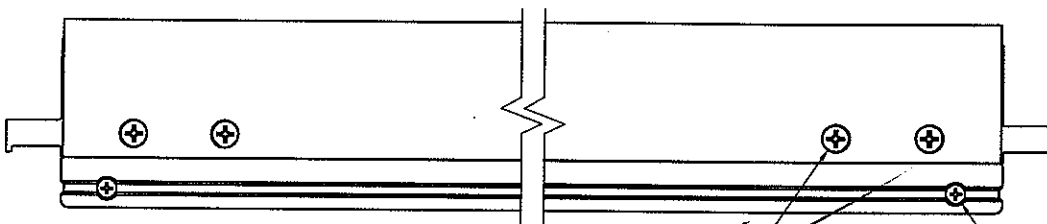
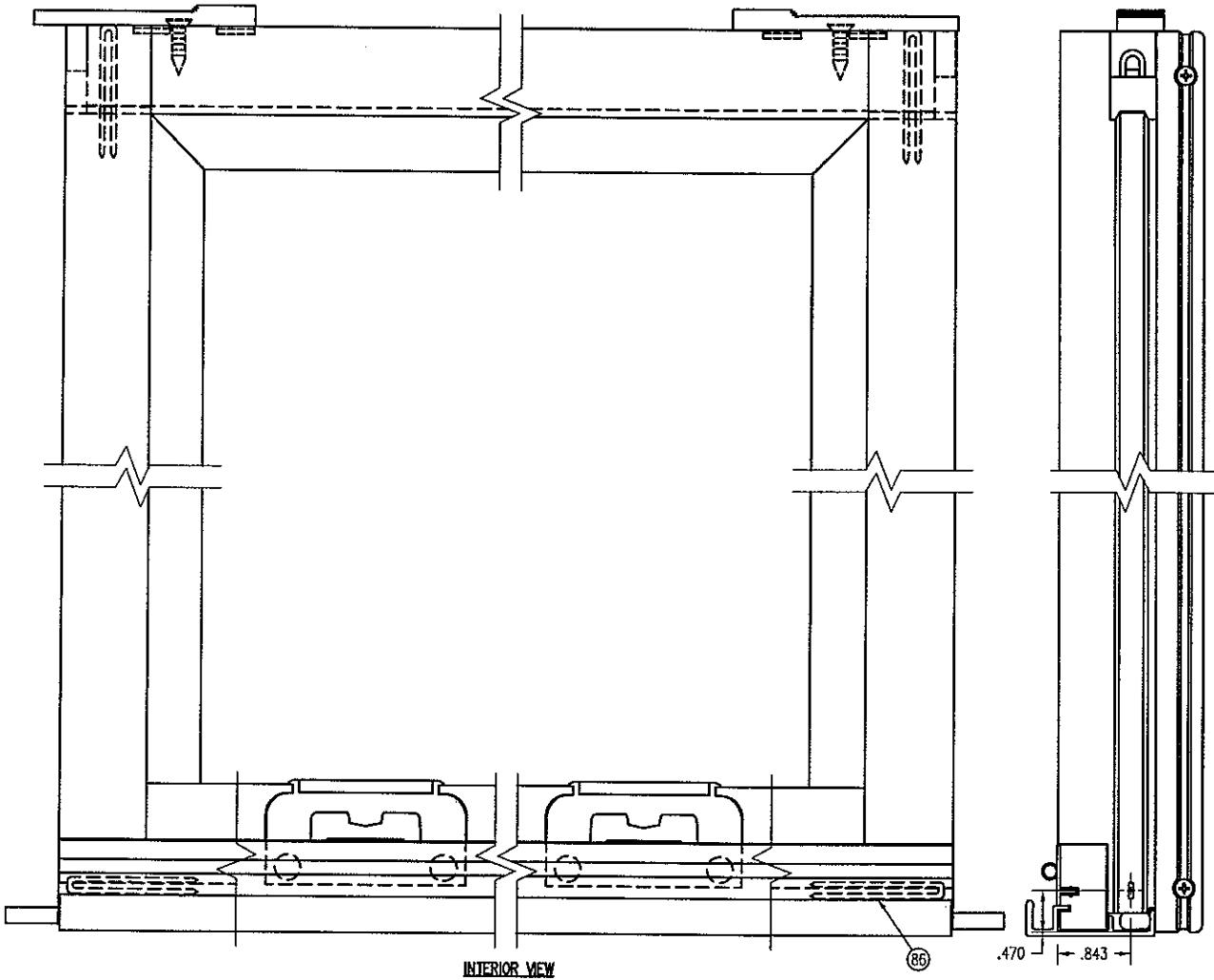
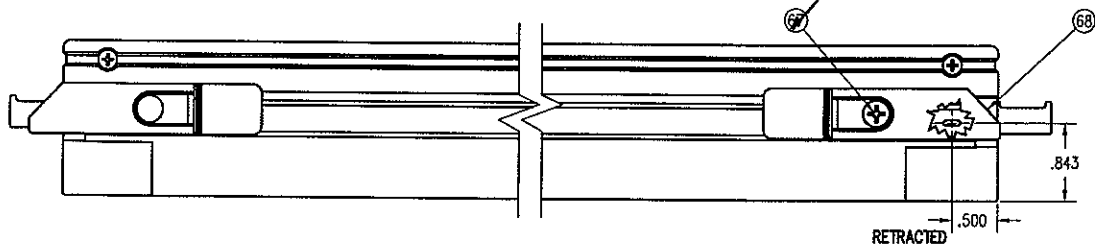
## Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29-6/1/07 Tech TG

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TITLE:	CDHV
FINISH:	UPPER SASH ASSEMBLY
DATE:	
DATE:	3/19/07
SCALE:	1=1
DCN:	0881
DRWG:	0534
C:	05

NO	DESCRIPTION	DATE	DATE	DATE



Architectural Testing

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Report# 73119, 73109, 72962  
Date 5/29-6/1/07 Tech TG

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TITLE:	CDHV		
	UPPER SASH ASSEMBLY		
FINISH:			
MATERIAL:			
DFT:	KJS	SCALE:	1=2
DCN:	0881	DRWG:	0534
DATE:	3/19/07	C	06

NO	DESCRIPTION	DFT	DOC	DATE
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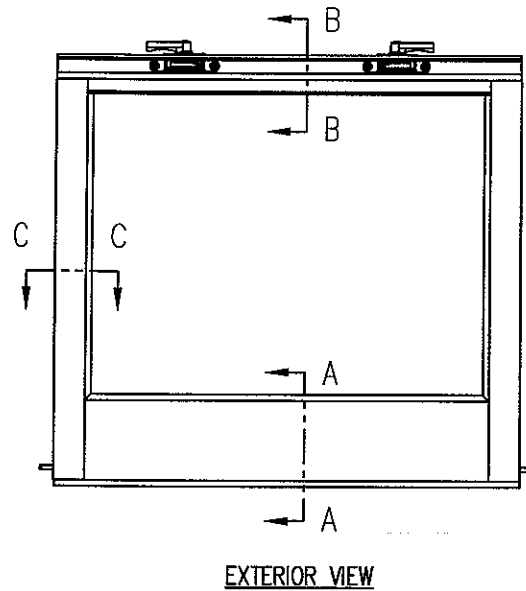
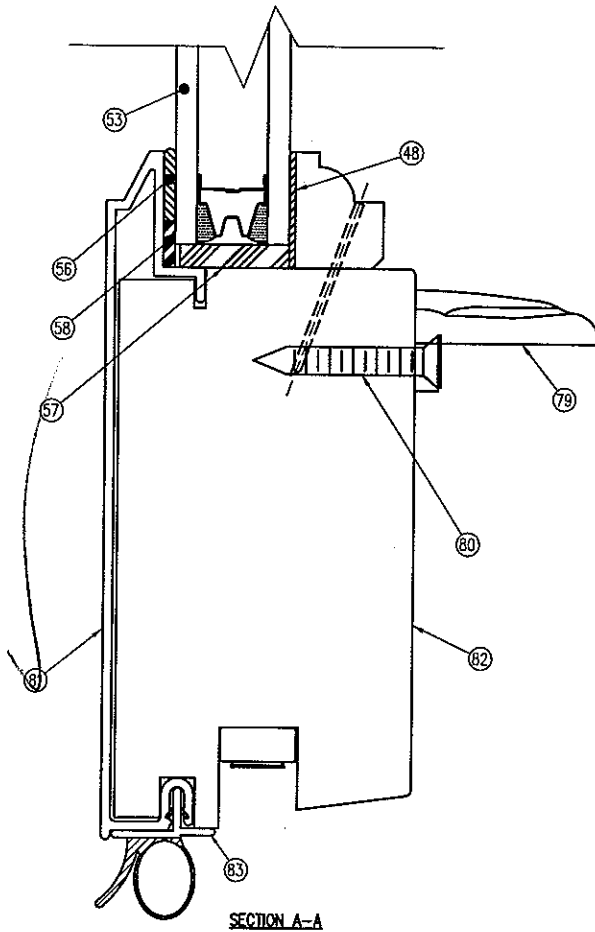
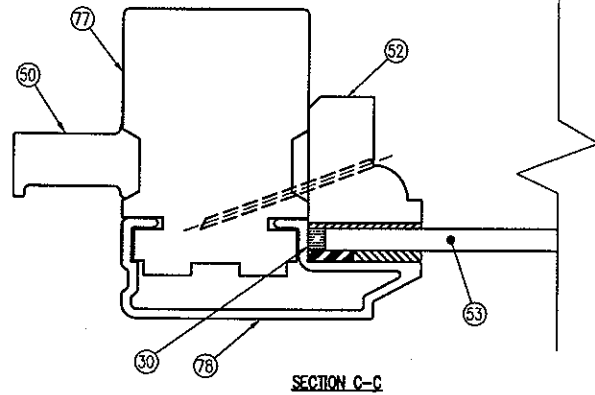
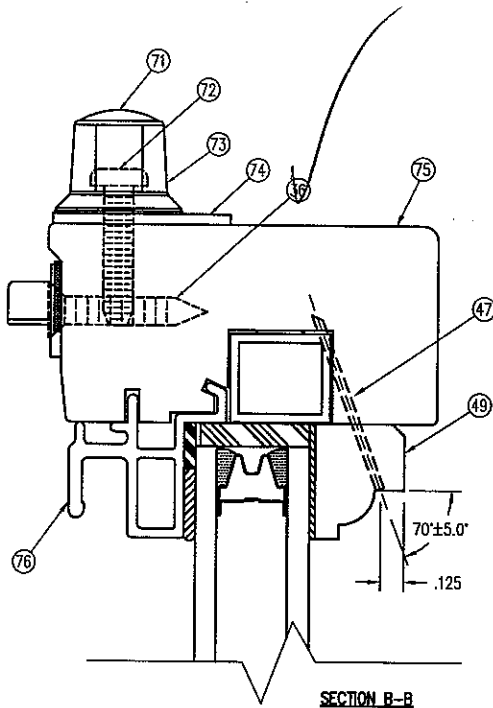


## Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962

Date 5/24-6/1/07 Tech TB



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TITLE:		CDHV	
FINISH:		LOWER SASH ASSEMBLY	
MATERIAL:			
DFT:	KJS	SCALE:	1=1
DCN:	0881	DRWG:	0534
DATE:	3/19/07	C	07

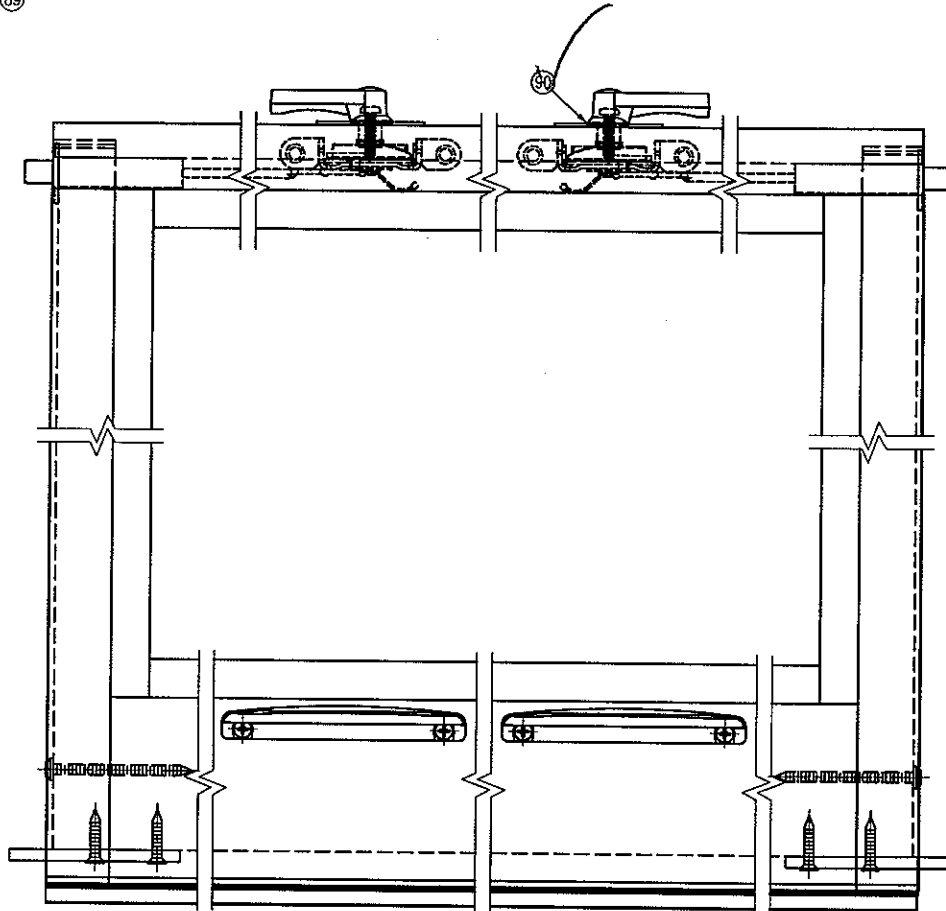
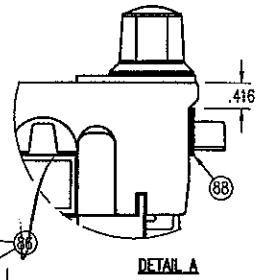
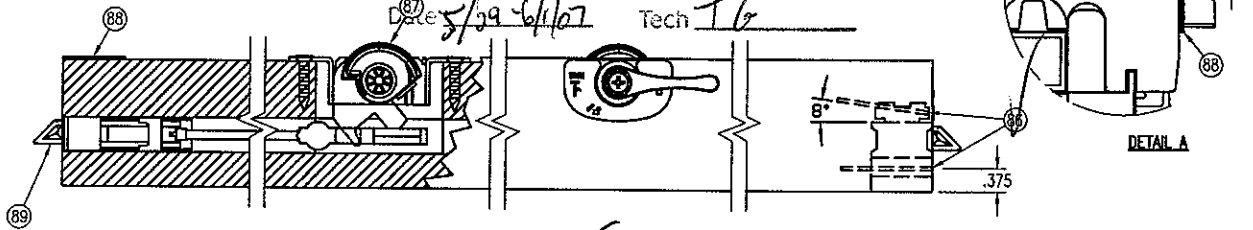
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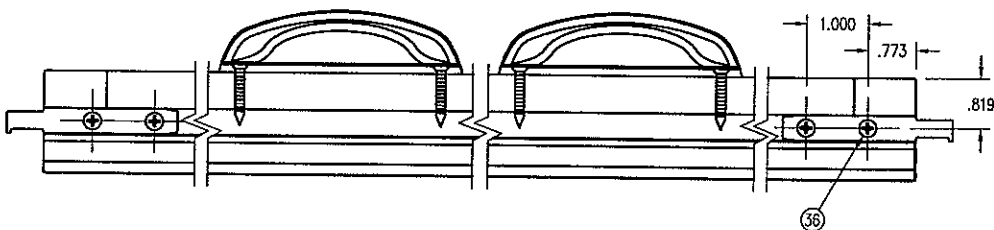
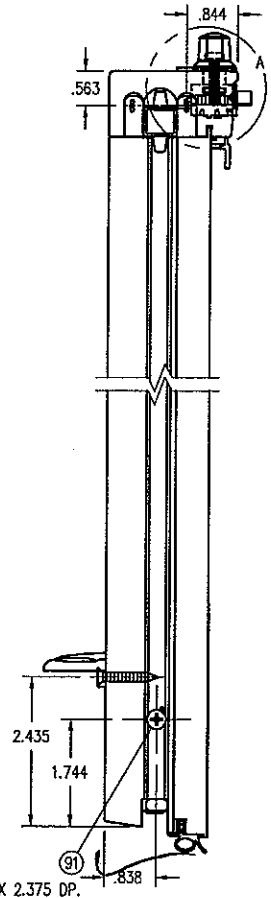
# Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29 6/1/07 Tech 16



INTERIOR VIEW



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TITLE: CDHV  
LOWER SASH ASSEMBLY

FINISH:

MAIL:

DFT: KJS SCALE: 1=3  
DCN: 0881 DRWG: 0534  
DATE: 3/19/07 C 09

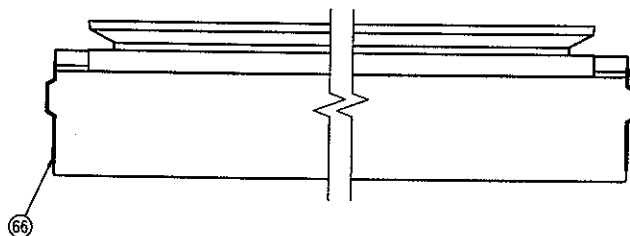
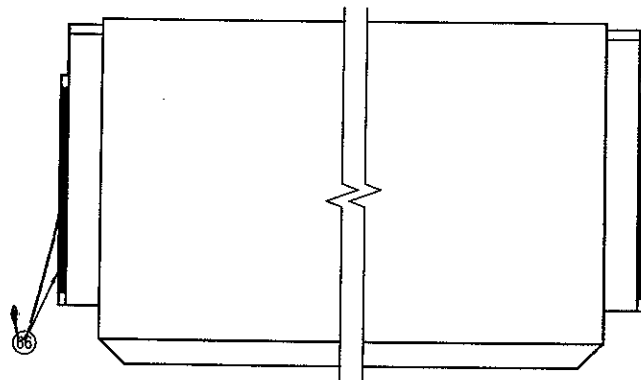
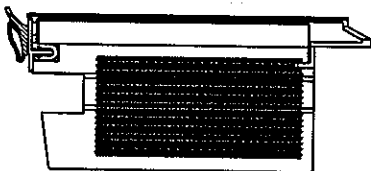
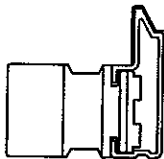
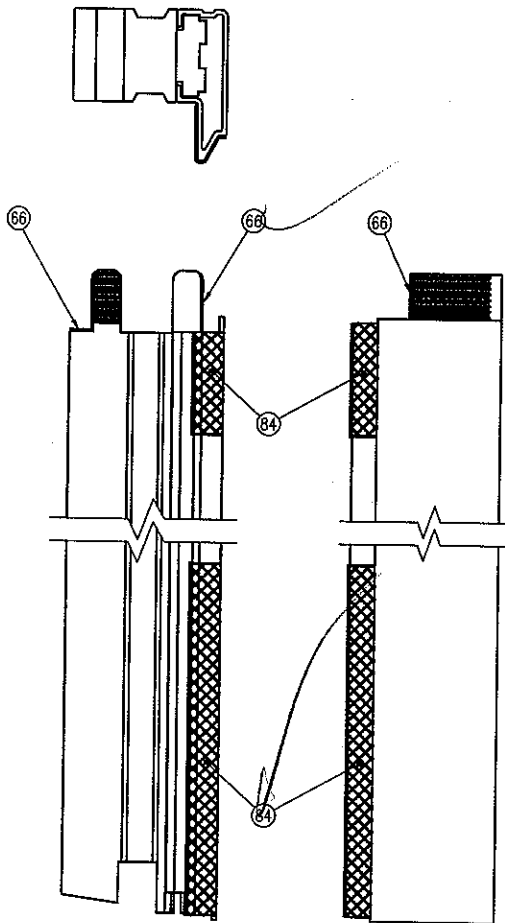
NO	DESCRIPTION	DFT	DOC	DATE
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## Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29-6/1/07 Tech TC



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TITLE: CDHV			
LOWER SASH ASSEMBLY			
FINISH:			
MATERIAL:			
DFT:	KJS	SCALE:	1=2
DCN:	0881	DRWG:	0534
DATE:	3/19/07	C	08

NO	DESCRIPTION	DFT	DOC	DATE
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NO.	DWG NO.	DESCRIPTION	QUANTITY	MATERIAL	SUPPLIER
1	A514	HEAD FRAME CLADDING	1	ALUMINUM	BONNELL
2	21E9	HEAD	1	WOOD (LVL)	EAGLE WINDOW & DOOR
3	A52D	HEAD PAD	2	EPDM	CLIM-A-TECH
4	046W	SCREEN ASSEMBLY (OPT.)	1	ALUMINUM	HOMESHIELD
5	A43G	HEAD WEATHER STRIP	1	URETHANE FOAM	AMESBURY FOAMTITE
6	21YA	FRAME PARTING STOP/HEAD COVER	1	WOOD	EAGLE WINDOW & DOOR
7	212N	VENT INTERIOR HEAD STOP	1	WOOD	EAGLE WINDOW & DOOR
8	A473	HALF SCREEN RETAINER	1	ALUMINUM	BONNELL
9	046X	HALF SCREEN ASSEMBLY (OPT.)	1	ALUMINUM	HOMESHIELD
10	A732	SNUBBER	2	GLASS FILLED NYLON	LCS
11	A74H	SILL WATER DAM	1	VINYL	CLIM-A-TECH
12	A72H	FRAME PLUG	2	NYLON	LCS
13	A571	FRAME SILL COVER	1	ALUMINUM	HYDRO
14	A735	SETTING PAD	2	PVC FOAM	CLIM-A-TECH
15	20F1	THERMAL BLOCK	1	WOOD	EAGLE WINDOW & DOOR
16	20F8	SILL STOP	1	WOOD	EAGLE WINDOW & DOOR
	20FM	SILL STOP - AUX OPTION	1	WOOD	EAGLE WINDOW & DOOR
17	A00L	3/16" x 1 1/8" STAPLE	AS REQUIRED	GALVANIZED STEEL	ABILITY FASTENERS
18	A514	SIDE FRAME COVER	2	ALUMINUM	HYDRO
19	2134	JAMB	2	WOOD (LVL)	EAGLE WINDOW & DOOR
20	20F6	SIDE INTERIOR STOP	2	WOOD	EAGLE WINDOW & DOOR
21	A28C	5/8" BRAD HEAD FINISH NAIL - 18 GA.	AS REQUIRED	GALVANIZED STEEL	ABILITY FASTENERS
22	20FL	INTERIOR SIDE STOP (MONUMENTAL)	2	WOOD	EAGLE WINDOW & DOOR
23	A71W 01	JAMBLINER	2	VINYL	CLIM-A-TECH
	A71W 02	JAMBLINER (W/ NOTCH) (MONUMENTAL)	2	VINYL	CLIM-A-TECH
24	A71N	SPRING COVER	2	PVC	CLIM-A-TECH
25	A48Y	PVC SNAP IN UPPER	2	RIGID PVC	CLIM-A-TECH
	A558	WOOD VENEER SNAP IN UPPER (OPT.)	2	RIGID PVC	CLIM-A-TECH
26	A523	JAMB WEATHERSTRIP UPPER	2	URETHANE FOAM	SCHLEGEL
27	A523	JAMB WEATHERSTRIP LOWER	2	URETHANE FOAM	SCHLEGEL
28	A52F	SASH STOP	2	RIGID PVC	CLIM-A-TECH
29	A522	ALUM. SNAP IN LOWER EXT. (OPT.)	2	ALUMINUM	HOMESHIELD
30	A030	SILICONE SEALANT	AS REQUIRED	SILICONE	DOW CORNING
31	A733	FOAM SILL FILLER	1	CLOSED CELLFOAM	CLIM-A-TECH
32	A43R	LOCK TERMINAL SHOE	2		UNIQUE BALANCE
33	A734	07 CDHV SILL CUSHION	1	CLOSED CELLFOAM	CLIM-A-TECH
34	A54P	INTERLOCK FUZZ PAD	1	FELT ADHESIVE BACK	AMESBURY
35	A72Y	FRAME CLEAT (MONUMENTAL)	1	GLASS FILLED NYLON	LCS
36	A00T	#7 x 7/8" FHWS S.S.	17	STEEL	ABILITY FASTENERS
37	A330	#8 x 1 1/2" FHWS Z&Y	2	STEEL	ABILITY FASTENERS
38	A70K	07 CORNER BLOCK	1		LCS
39	A11K	#6 x 7/16", #8 BODY FHMS S.S.	7	STAINLESS STEEL	ABILITY FASTENERS
40	A11D	7/16" x 1 3/4" 16 GA. STAPLE	6	GALVANIZED STEEL	ABILITY FASTENERS
41	A100	90 CORNER KEY	2	NYLON	LAKE COUNTRY SALES
42	A08W	MDL CORNER KEY	2	ABS COMPOUND	LAKE COUNTRY SALES
43	A02E	#8 x 1 3/4" FH SMS (Z&Y)	4	STEEL	ABILITY FASTENERS
44	A39W	#7 x 1 1/4" FH SMS (S.S.)	2	STEEL	ABILITY FASTENERS
45	A16K	SASH COVER	4	ALUMINUM	HYDRO
46	20F4	UPPER RAIL	1	WOOD	EAGLE WINDOW & DOOR
47	A40E	1" HARDENED STEEL BRAD (18 GA.)	AS REQUIRED	STEEL	ABILITY FASTENERS
48	A67M	.031 x .625 FOAM TAPE (GLASS STOP TAPE)	AS REQUIRED	POLYTHYLENE	ADHESIVE RESEARCH
49	220N	HORZ. COLONIAL GLAZING STOP	4	WOOD	EAGLE WINDOW & DOOR
50	A742	PIVOT PIN (DIE-CAST) "STD. DH"	4	ZAMACK-3	DECO
	A743	PIVOT PIN (S.S.) "MONUMENTAL SH"	4	STAINLESS STEEL	GIESE
51	20F4	UPPER STILE	2	WOOD	EAGLE WINDOW & DOOR
52	220J	VERT. COLONIAL GLAZING STOP	4	WOOD	EAGLE WINDOW & DOOR
53	A08J	5/8" INSULATED GLASS	1	GLASS	CARDINAL IG
	A32Y	SINGLE PANE GLASS (OPT.)	1	GLASS	CARDINAL IG
54	221H	GLAZING STOP	1	WOOD	EAGLE WINDOW & DOOR
55	A72N	KEEPER	2	ZAMACK-3	ASHLAND
56	A51H	INSTANT GLAZE II SEALANT	AS REQUIRED	POLYURETHANE	DOW CORNING
57	A00E	NEOPRENE GLASS SETTING BLOCK	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH



## Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29-6/1/07 Tech TG

TITLE:	CDHV
	UNIT ASSEMBLY
FINISH:	
MATL:	
DFT:	KJS
DCN:	0881
DATE:	3/19/07
SCALE:	1=1
DRWG:	0534
C	11

NO.	DWG NO.	DESCRIPTION	QUANTITY	MATERIAL	SUPPLIER
58	A08K	GLAZING SHIM .250 x .065 x 4.000	AS REQUIRED	NEOPRENE RUBBER	CLIM-A-TECH
59	A01A	.094 x .265 BUTYL TAPE	AS REQUIRED	BUTYL RUBBER	PTI INC.
60	A627	FOAM END PLUG	2	POLYETHYLENE	CLIM-A-TECH
61	A04T	#8 x 1/2" PH TEKS SCREW	AS REQUIRED	STEEL	ABILITY FASTENERS
62	20F2	UPPER CHECK RAIL	1	WOOD	EAGLE WINDOW & DOOR
63	A72W	CHECK RAIL COVER (UPPER)	1	ALUMINUM	HYDRO
64	A72T	WEATHER STRIP	1	VINYL	CLIM-A-TECH
65	A172	SASH CORNER KEY	4	NYLON	LAKE COUNTRY SALES
66	A01D	TYPE 1 BOND WOOD ADHESIVE	AS REQUIRED	COPOLYMER	NATIONAL STARCH
67	A00R	#7 x 5/8" FHSMS	2	STAINLESS STEEL	ABILITY FASTENERS
68	A72R	SURFACE TILT-LATCH	2	NYLON	HILL DESIGN
69					
70	A19H	#4 x 1/2" FHSMS	8	STAINLESS STEEL	ABILITY FASTENERS
71	A54J	DH HANDLE SCREW HOLE PLUG	2	NYLON	ASHLAND HARDWARE
72	A54L	#8-32 x 7/8" PPHMS, TRI-OBIAL	2	STEEL	ASHLAND HARDWARE
73	A54G	E-TILT DH LOCK HANDLE	2	ZAMACK-3	ASHLAND HARDWARE
74	A54H	E-TILT DH BEZEL PLATE	2	ZAMACK-3	ASHLAND HARDWARE
75	20F5	LOWER CHECK RAIL	1	WOOD	EAGLE WINDOW & DOOR
76	A72X	CHECK RAIL COVER (LOWER)	1	ALUMINUM	HYDRO
77	20F4	LOWER STILE	2	WOOD	EAGLE WINDOW & DOOR
78	A741	LOWER STILE COVER	2	ALUMINUM	HYDRO
79	A63A	FINGER LIFT	AS REQUIRED	ZAMACK-3	ASHLAND HARDWARE
80	A03Y	#6 x 1 FHSMS Z&Y (PAINTED HEAD)	AS REQUIRED	STEEL	ABILITY FASTENERS
81	A71X	LOWER RAIL COVER	1	ALUMINUM	HYDRO
82	20E8	LOWER RAIL	1	WOOD	EAGLE WINDOW & DOOR
83	A72G	LOWER SASH WEATHER STRIP	1		CLIM-A-TECH
84	A737	.031 x 1.125 SEALANT (BUTYL TAPE)	3	BUTYL RUBBER	DEVAN SEALANTS
85	A54N	#6 x 1 1/4" FHWS TEKS POINT S.S.	4	STAINLESS STEEL	ABILITY FASTENERS
86	A131	3/16 x 1 1/2 STAPLE (STD. DH)	6	GALVANIZED STEEL	ABILITY FASTENERS
87	A54F	E-TILT DOUBLE HUNG LOCK	2		ASHLAND HARDWARE
88	A67G	LOWER SASH PAD	2		CLIM-A-TECH
89	A72P	TILT-LATCH ARM	2	PVC	ASHLAND HARDWARE
90	A54D	SPRING WASHER	2	STAINLESS STEEL	ASHLAND HARDWARE
91	A48C	#8 x 2 1/4" COMBO ROUND WASHER HEAD	2	STEEL	ABILITY FASTENERS
92	H-40	5/8" BETWEEN GLASS MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
93	P/PD	1" CONTOUR MUNTIN	AS REQUIRED	ALUMINUM	ALLMETAL
94	220H	1 1/2" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
95	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
96	A507	1 1/2" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	HYDRO
97	A67X	1 1/2" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
98	A67L	1 1/2" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
99	220H	1 1/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
100	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
101	A507	1 1/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	HYDRO
102	A67W	1 1/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
103	A67R	1 1/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
104	220H	7/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
105	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
106	A507	7/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	HYDRO
107	A67T	7/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
108	A67N	7/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
109	20FA	5/8" INTERIOR COLONIAL MDL BAR	AS REQUIRED	WOOD	EAGLE WINDOW & DOOR
110	H-40	SPACER CHANNEL	AS REQUIRED	ALUMINUM	ALLMETAL
111	A72D	5/8" EXTERIOR MDL BAR	AS REQUIRED	ALUMINUM	HYDRO
112	A75N	5/8" MDL ADHESIVE TAPE (EXTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
113	A75M	5/8" MDL ADHESIVE TAPE (INTERIOR TAPE)	AS REQUIRED	POLYETHYLENE	ADHESIVE RESEARCH
114	N/A	ADHESIVE FOAM TAPE	AS REQUIRED	POLYETHYLENE	CARDINAL



## Architectural Testing

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Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29/10 Tech 16

TITLE:	CDHV
UNIT ASSEMBLY	
FINISH:	
MATL:	
DFT:	KJS
SCALE:	1=1
DCN:	0881
DRWG:	0534
DATE:	3/19/07
C	12

NO | DESCRIPTION | DFT | DOC | DATE

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  $\pm 1/2^\circ$ .

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

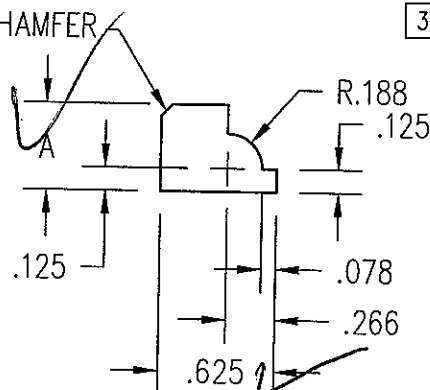


Test sample complies with these details.  
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Report# 73119, 73109, 72962  
Date 5/29-6/1/07 Tech 16

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

.062 x .062 CHAMFER



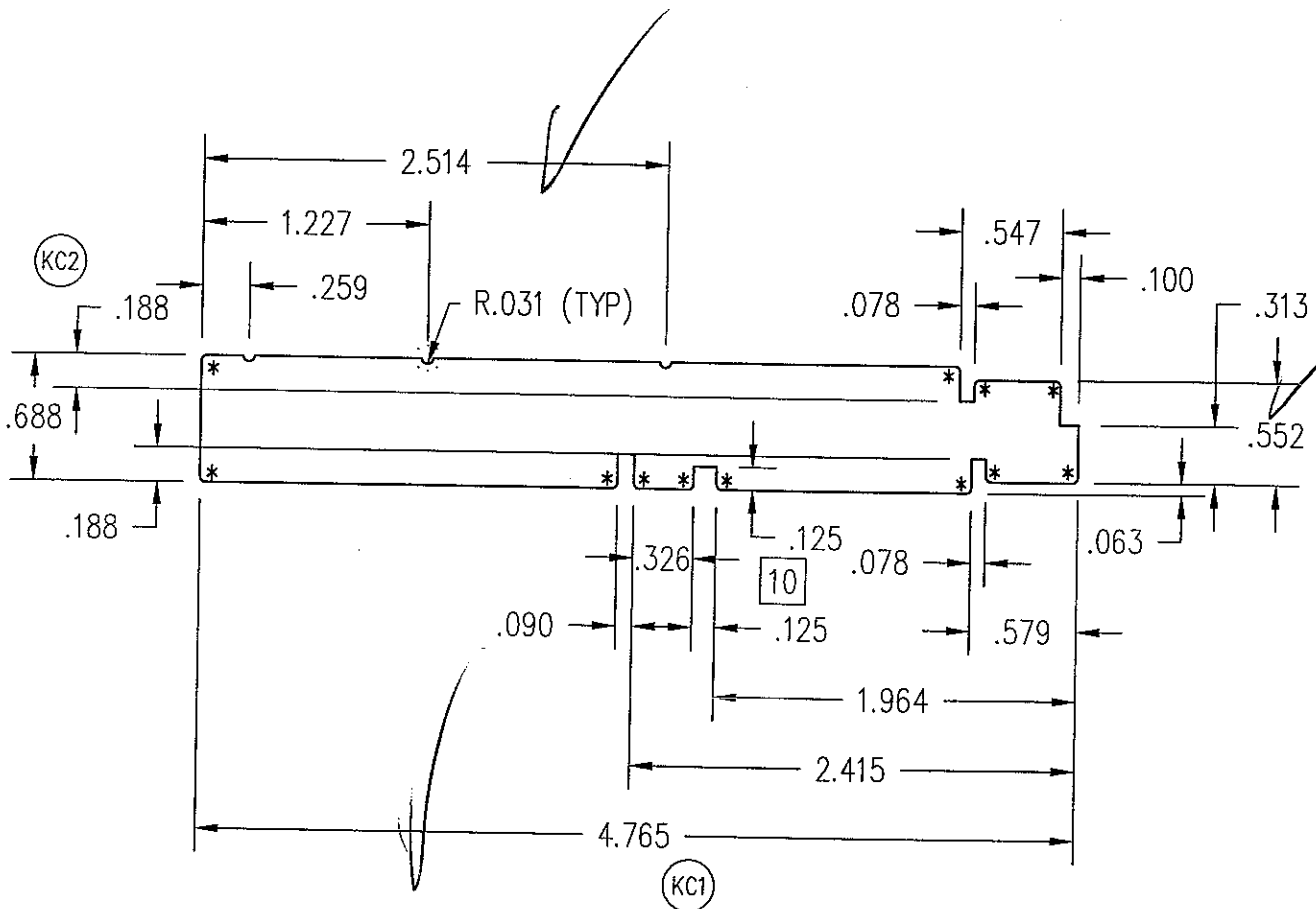
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TITLE: COLONIAL GLAZING STOP

FINISH:

04	ADDED CDHG PICT TO CHART	KJS	0881	3/6/07	MATL:
03	ADDED SIZE FOR IMPACT GLAZING	TWN	0972	9/1/05	EAGLE STD WOOD OFFERINGS
02	CHG'D CLAD PANEL STOP "A" DIM	JH	0794	6/30/05	DFT: JMH 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 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 ALL RADII = .031. DENOTED BY \* (12 PLCS).



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 73119, 73109, 72962  
 Date 5/29-6/1/07 Tech TG

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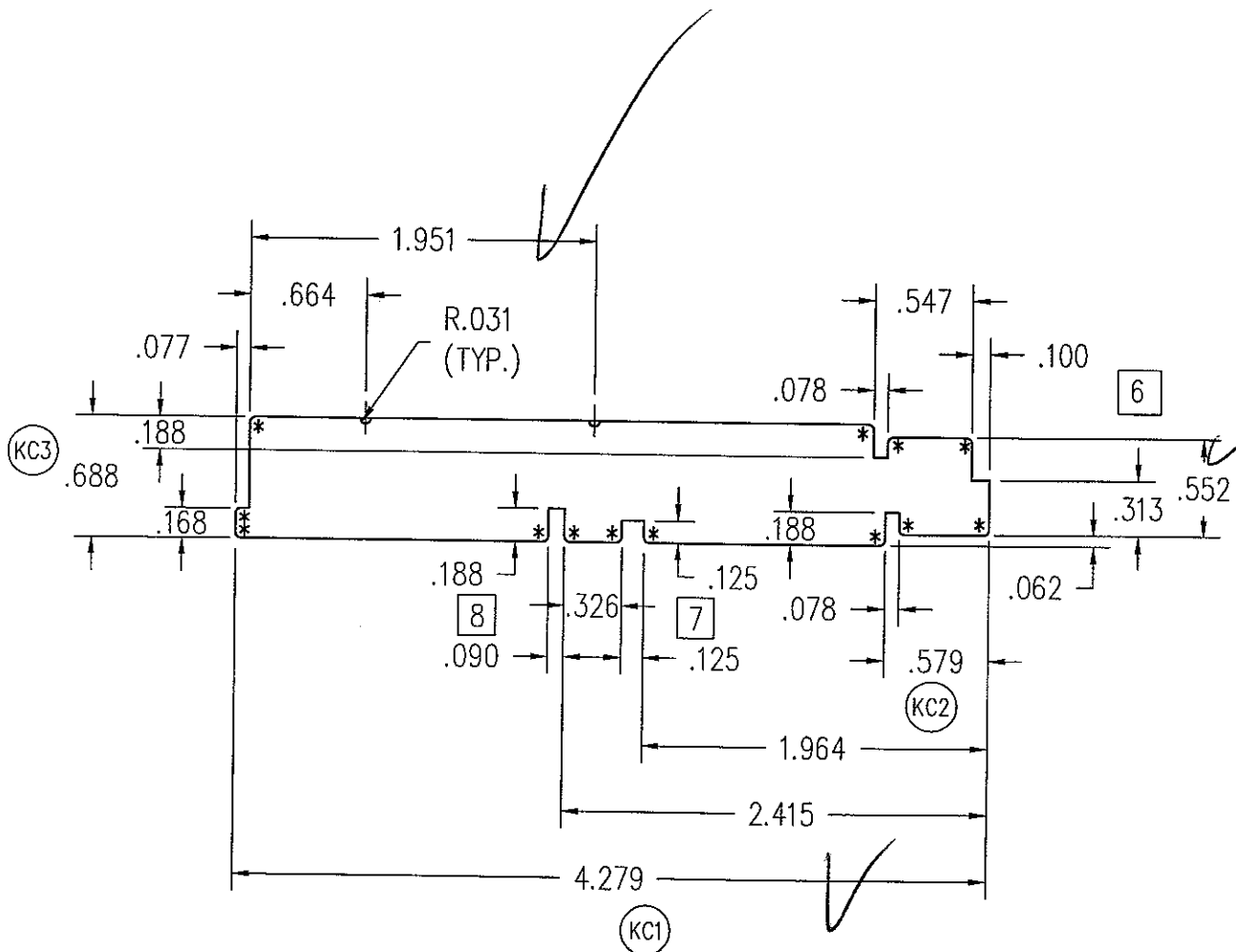
TITLE: CDHV/CDHVT/CSW - HEAD  
 CDHF - HEAD/SIDE JAMB

FINISH:

MATL: SEE PAGE 02

10	ADD 2ND KERF TO MATCH #2134	TWN	0768	1/30/03	DFT: BRL	SCALE: 1=1
09	ADDED E-TILT DHG	RJW	0589	6/26/02	DCN: 0215	DRWG: 21E9
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 9/29/1995	A 01 OF 02

- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm .005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. UNLESS OTHERWISE SPECIFIED ALL RADII = .031. DENOTED BY \* (13 PLCS)



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 73119, 73109, 72962  
 Date 5/29-6/1/07 Tech TG

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TITLE: CDHV/CDHVET/CSW  
 SIDE JAMB

FINISH:

08	ADD 2ND KEFT TO MATCH #21E9	TWN	0768	1/30/2003
07	ADDED KERF FOR E-TILT	AWW	0589	5/26/2002
06	CHNG'D PROFILE	AWW	0580	8/3/2001
05	ADD RADIUS TO CORNERS	SCT	0292	5/1/1998
04	CHG'D DESCRIPTION	CEL	0247	5/5/1997
N0	DESCRIPTION	DFT	DOC	DATE

MATL: SEE PAGE 02

DFT: GDE SCALE: 1=1

DCN: 0073 DRWG: 2134

DATE: 3/2/1993 A 01 OF 02

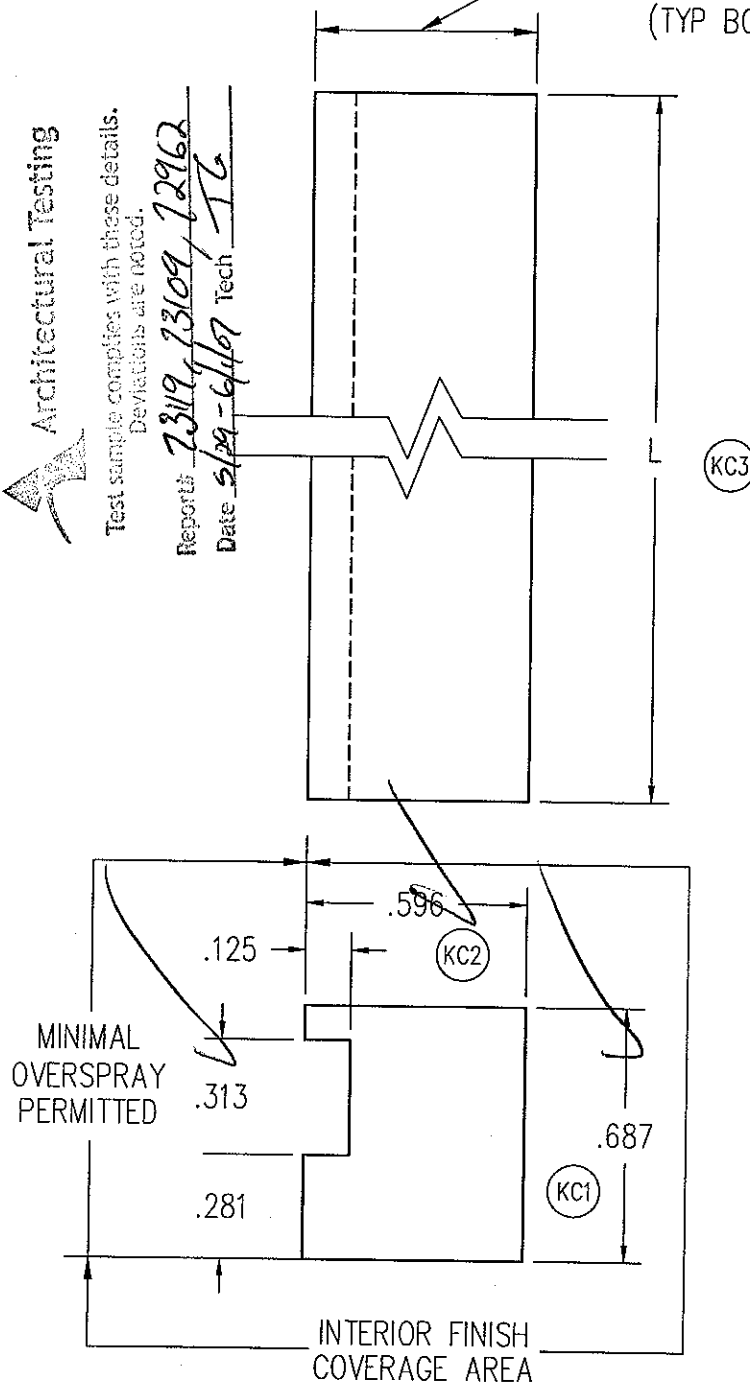
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. L = FRAME WIDTH -  $1 \frac{3}{8}$ .

Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report: 7319, 73109, 72962  
 Date: 5/29-6/1/97 Tech: JLG

MINIMAL  
 OVERSPRAY  
 PERMITTED  
 (TYP BOTH ENDS)



DOUBLE HUNG	
FRAME WIDTH	L
20	18 5/8
24	22 5/8
28	26 5/8
30	28 5/8
32	30 5/8
36	34 5/8
40	38 5/8
44	42 5/8
48	46 5/8
60	58 5/8

CSW / WSW	
FRAME WIDTH	L
36	34 5/8
48	46 5/8
60	58 5/8
72	70 5/8
96	94 5/8

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TITLE: CDHV,WDHV,CSW,WSW  
 HEAD INTERIOR STOP

FINISH:

MATL: CLEAR PINE

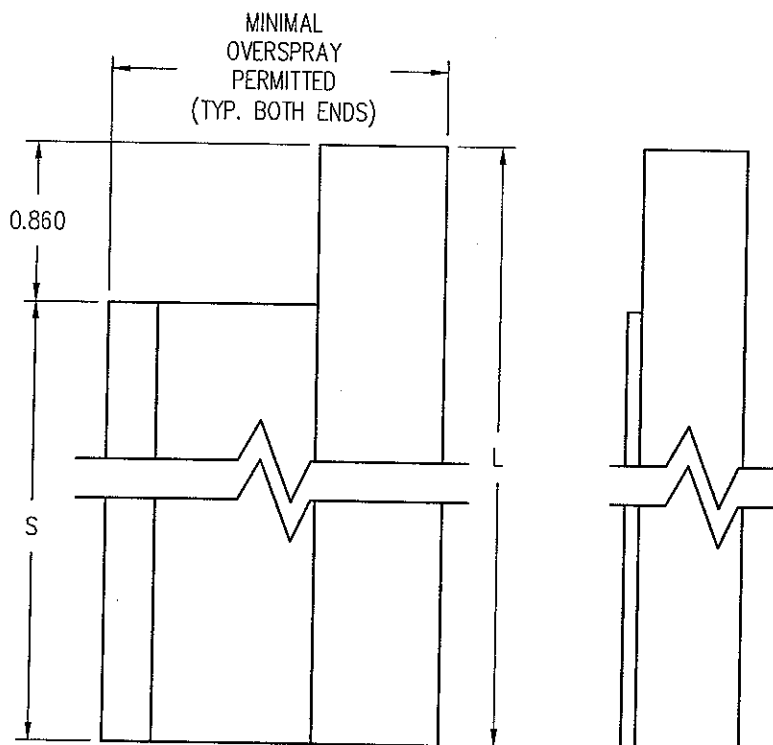
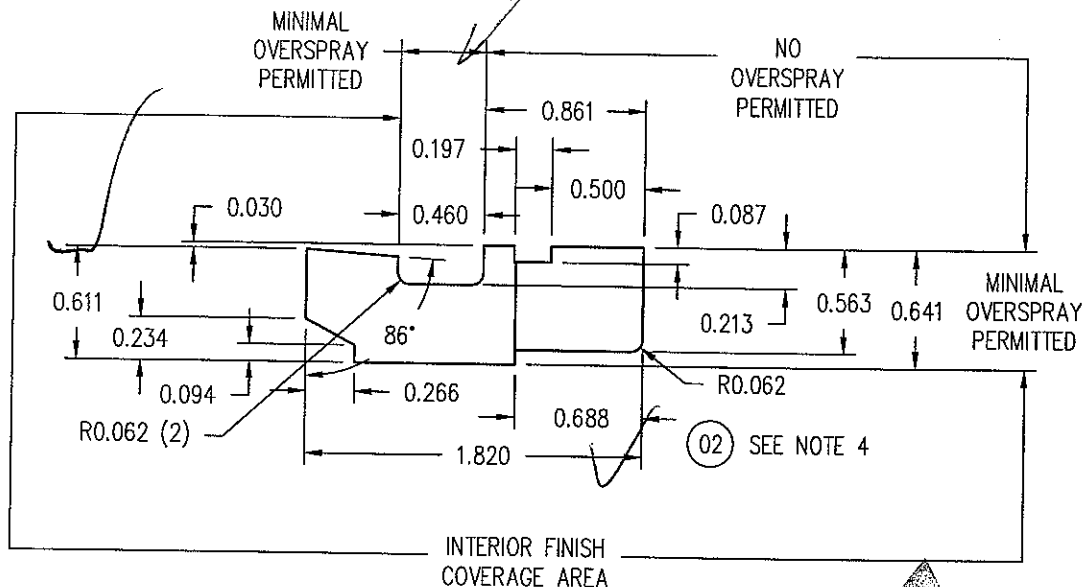
DFT: GDE SCALE: 2=1

DCN: 0073 DRWG: 212N

DATE: 3/25/1993 A 01 OF 01

06	CHG'D PROFILE	JH	0840	8/15/2003
NO	DESCRIPTION	DFT	DOC	DATE

- 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 L = FRAME HEIGHT - 2 11/16".  
 3 LEFT & RIGHTS REQUIRED, LEFT HAND SHOWN (AS VIEWED FROM EXT.)  
 4 HOLD 0.750 AT TENON BEFORE MOULDING



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 73119, 73129, 72962  
 Date 5/22-9/1/02 Tech 16

FRAME HEIGHT	L	S
36	33 5/16	32 7/16
40	37 5/16	36 7/16
48	45 5/16	44 7/16
54	51 5/16	50 7/16
60	57 5/16	56 7/16
66	63 5/16	62 7/16
72	69 5/16	68 7/16
78	75 5/16	74 7/16
84	81 5/16	80 7/16
90	87 5/16	86 7/16

02	ADDED NOTE #4	JH	0893	06/17/2004
01	ADD FILLET	PJB	0723	10/08/2002
NO	Description of Change	Drafter	DCN#	Date
Title:	CDHVET/WDHVET SIDE INTERIOR STOP	Finish:	INT FINISH SEE A02F	Material
				CLEAR PINE
Scale:	1"=1"	Date:	1/18/2002	
Drafter:	AWW	DCN#	0723	
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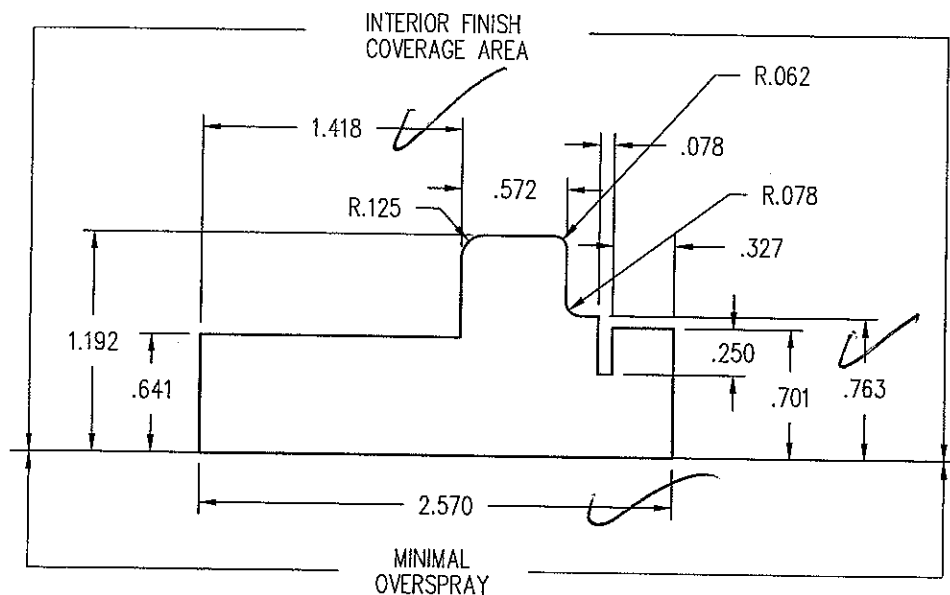
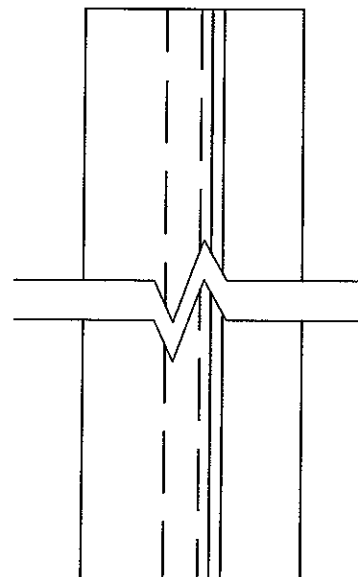
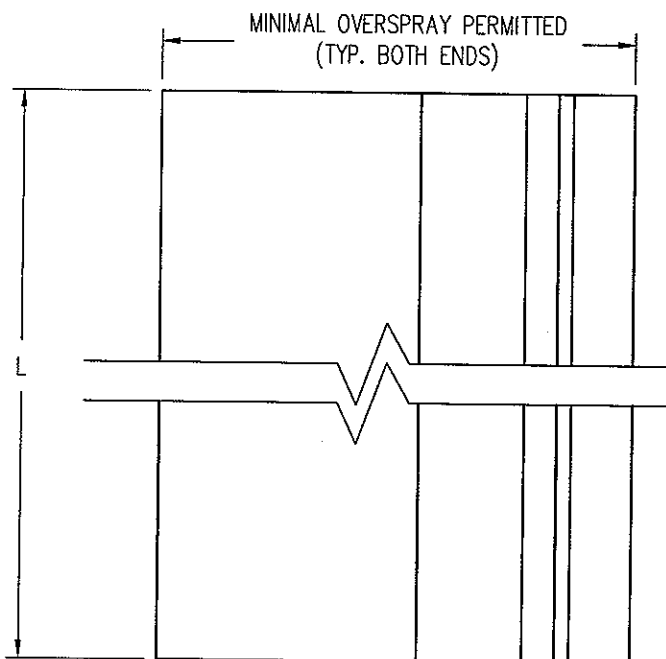
Note: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE:  
 DEC. +/- .005, FRACTION +/- 1/64, ANGLES +/- 1/2.  
 2. L = FRAME WIDTH - 3 21/32".



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 73109, 73109, 72962  
 Date 5/24-6/1/07 Tech TG



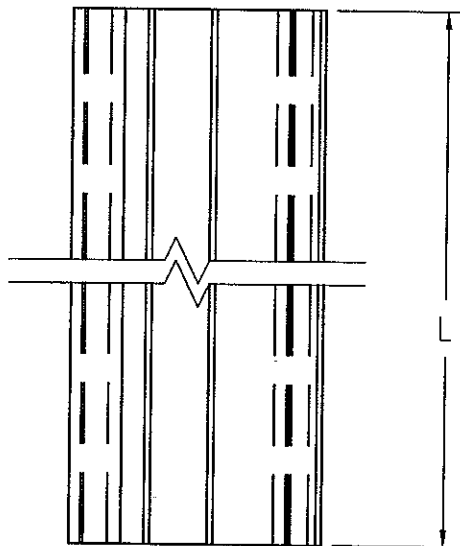
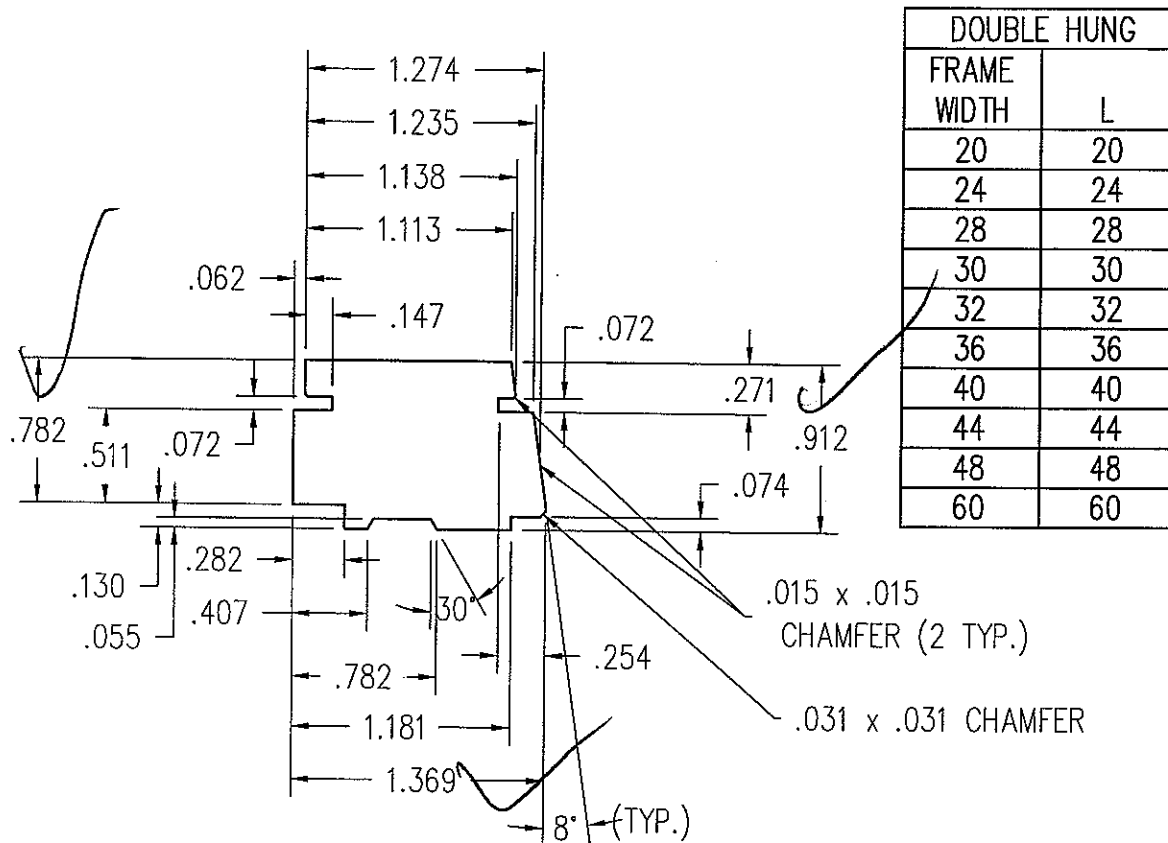
FRAME WIDTH	L
20	16 11/32
24	20 11/32
28	24 11/32
30	26 11/32
32	28 11/32
36	32 11/32
40	36 11/32
44	40 11/32
48	44 11/32
60	56 11/32

03	CHANGED PROFILE SIZE		TWN	0881	3/30/07
02	CHANGED SCALE		KJS	BOM	05/02/06
01	ADDED FINISH TO TITLE BLOCK		JH	0893	06/17/04
NO	Description of Change		Drafter	DCN#	Date
Title: CDHV/WDHV HEAD PARTING STOP		Finish: PRESERVATIVE	Material: CLEAR PINE		
Scale: 1"=1"		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: 21YA 3 01 of 01
Date: 1/18/2002					
Drafter: AWW		DCN# 0589			

20,54,60



- 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. L = FRAME WIDTH.



Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29-6/1/07 Tech TG

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TITLE: '07 DOUBLE HUNG  
THERMAL BLOCK

FINISH: PRESERVATIVE

MATL: EDGE GLUED AND  
FINGER JOINTED PINE

DFT: tries SCALE: 1=1

DCN: 0881 DRWG: 20F1

DATE: 9/28/2006 A 01 OF 01

01	UPDATED PROFILE	KJS	0881	1/4/07
NO	DESCRIPTION	DFT	DOC	DATE

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  $\pm 1/2^\circ$ .

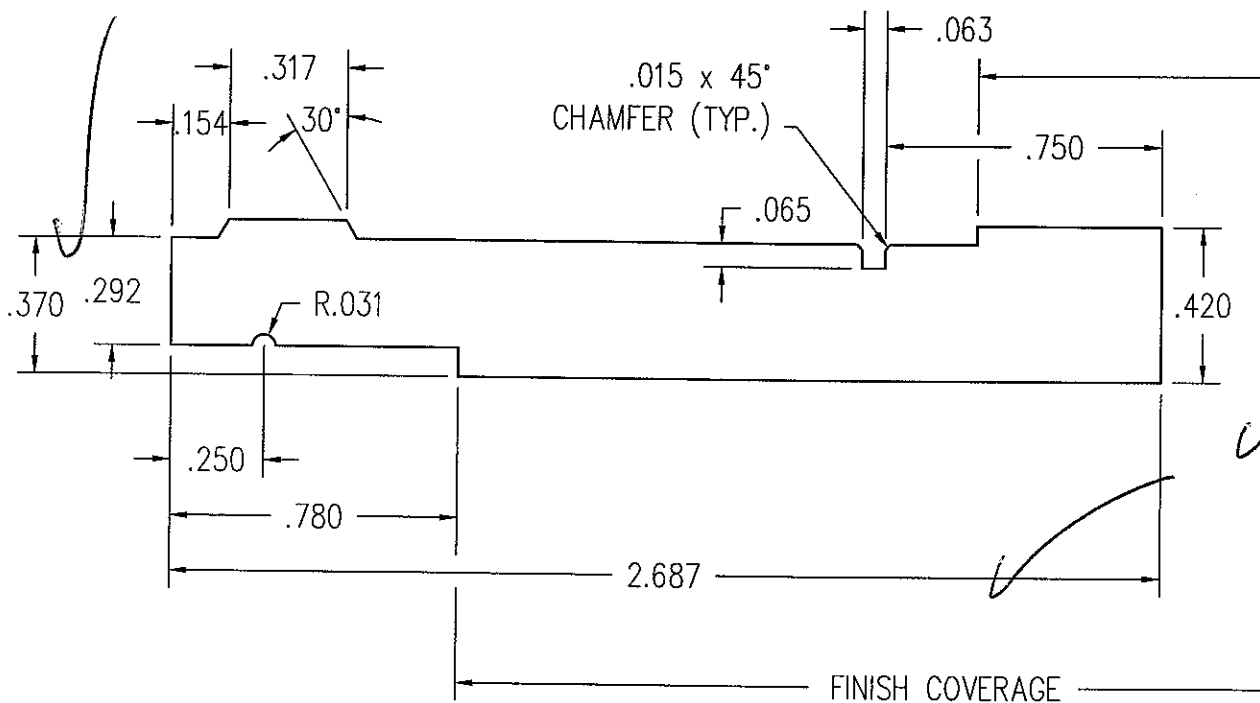


Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73601, 78962

Date \_\_\_\_\_ Tech \_\_\_\_\_



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TITLE: '07 SILL STOP

FINISH:

MATL: CLEAR PINE

DFT: tnies SCALE: 2=1

DCN: 0881 DRWG: 20F8

DATE: 12/12/2006 A 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE
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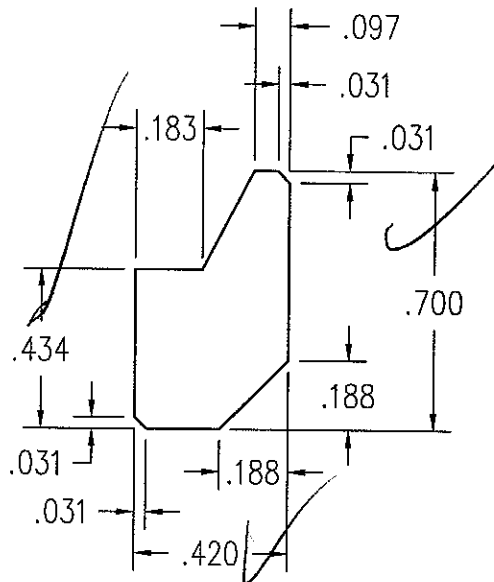
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .
2.  $L = AFH - 4.344$ .



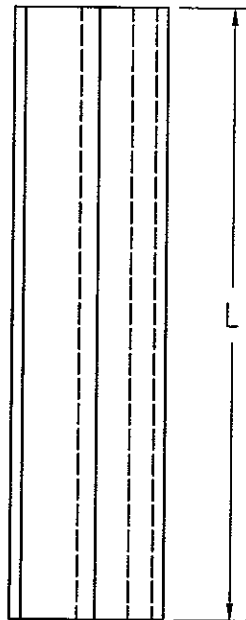
Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29-6/1/07 Tech FB



FRAME HEIGHT	L
72	67.656
78	73.656
84	79.656
90	85.656
96	91.656
102	97.656
108	103.656
114	109.656
120	115.656



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TITLE: '07 CSHMV - INTERIOR  
SIDE STOP

FINISH:

MATL: CLEAR PINE

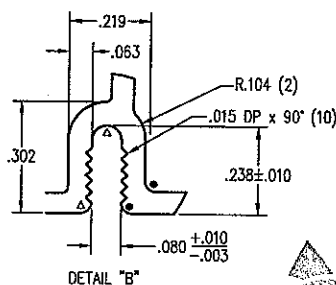
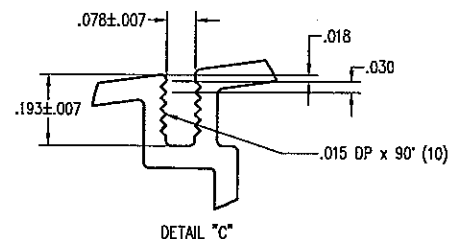
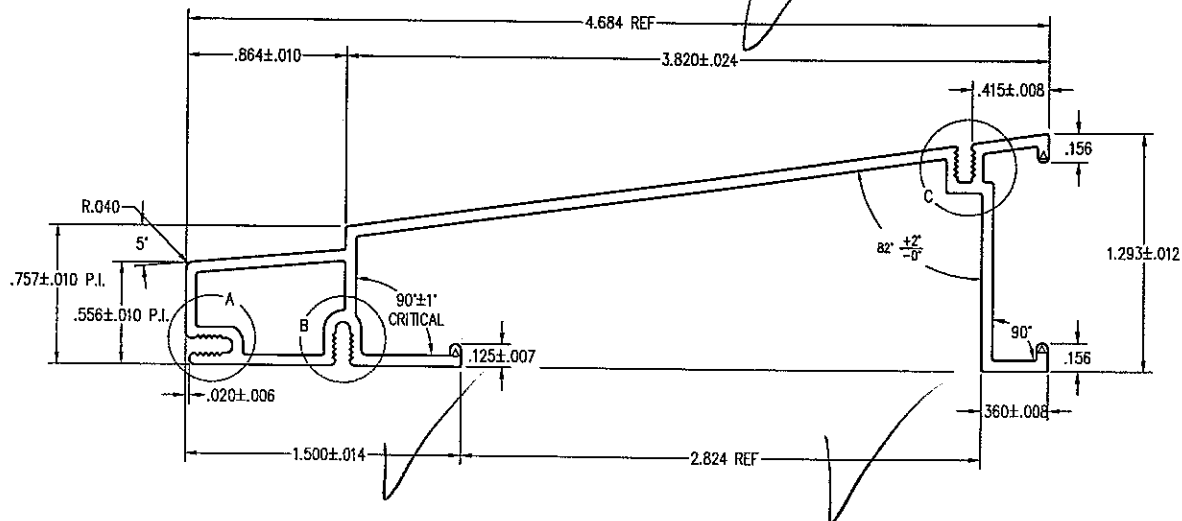
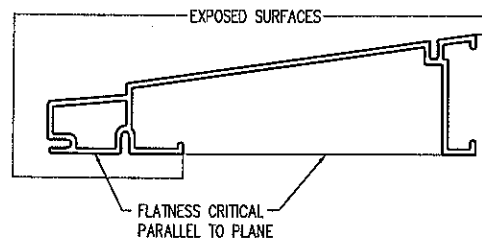
DFT: tnies SCALE: 2=1

DCN: 0881 DRWG: 20FL

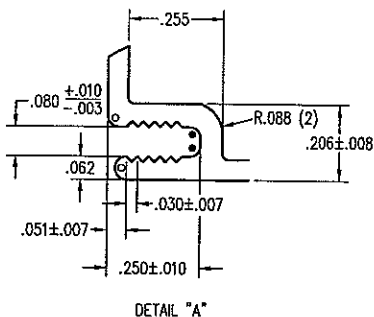
DATE: 2/2/2007 A 01 OF 01

NO	DESCRIPTION	DFT	DOC	DATE
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- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. UNLESS OTHERWISE SPECIFIED, WALL THICKNESS IS .060.  
 3. UNLESS OTHERWISE SPECIFIED BREAK ALL CORNERS .015 RADIUS.  
 4. AREA = .572 SQIN  
 5. MILL PART NO. = # M5746 ,  
 6. BON-L # EWD-285



- R .028 (6)
- R .031 (2)
- x R .062 (0)
- △ FULL RAD.(4)



**Architectural Testing**

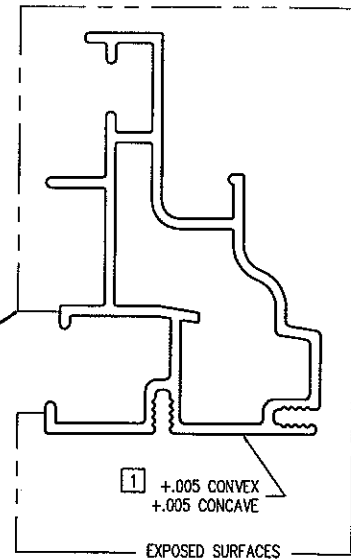
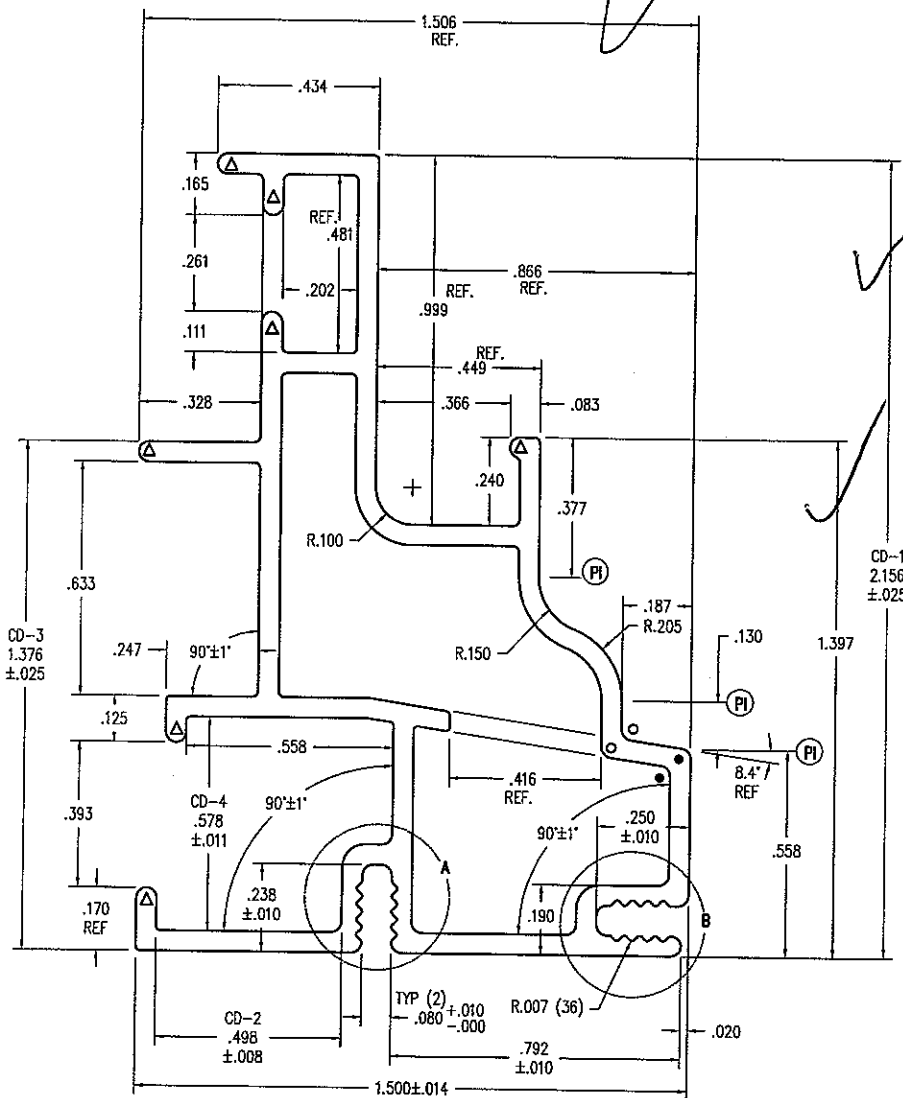
Test sample complies with these details.  
 Deviations are noted.

Report# 73119, 73109, 72962  
 Date 5/29-6/1/07 Tech TG

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TITLE:	CDH/CDF/CSW		
	SILL COVER (HOLLOW NOSE)		
FINISH:	EAGLE'S STD. COLORS		
MATL:	6063 T-6 ALUMINUM		
DFT:	RJB	SCALE:	1=1
DCN:	0734	DRWG:	A571
DATE:	7/23/2002	C	01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE
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- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm .005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. UNLESS OTHERWISE SPECIFIED, WALL THICKNESS IS .055.  
 3. UNLESS OTHERWISE SPECIFIED, BREAK ALL CORNERS .010 RADIUS.  
 4. AREA = .463 SQ.IN.  
 5. MILL PART NO. = #M5740

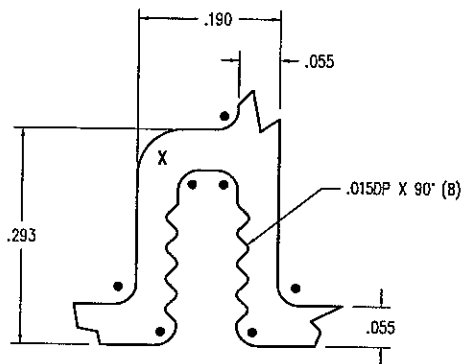


- R .028 (13)
- R .031 (3)
- X R .082 (2)
- △ FULL RAD.(5)

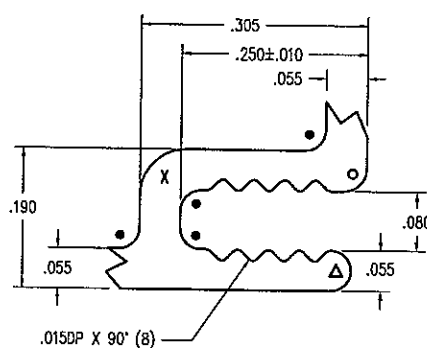
Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 73119, 73109, 72963  
 Date 5/29-6/1/07 Tech 1/1



DETAIL "A"



DETAIL "B"

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 TITLE: CDH/CDHF/CSW  
 FINISH: EAGLE'S STD. COLORS  
 MATL: 6063 T-6 ALUMINUM

01	ADDED/CHG'D DIM. & TOLERANCE	TWN	0778	14/4/2003	DCN	0667	DRWG	A514
NO	DESCRIPTION	IDFT	DOC	DATE	DATE	11/7/2001	C	01 OF 03



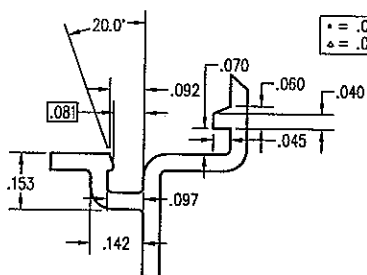
- 

## Architectural Testing

Test sample complies with these details.  
Deviations are noted.

~~Report~~

Date 5/29-6/1/07 tech



• = .060 RADIUS  
△ = .030 RADIUS

.000-.125	±.010
.125-.500	±.015
.500-2.00	±.020
2.00-4.00	±.030
4.00-5.00	±.040
WALLS	±.005
ANGLES	+3°



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TITLE:	CDH/VET/WDH/VET RIGID JAMBLINER
FINISH:	BEIGE, WHITE

FINISH: BEIGE, WHITE

MATL: RIGID PVC

03	CHANGED DIM/TOLERANCE	TWN	0805	7/9/2003	MATL: RIGID PVC	
02	ADDED .048 CRITICAL DIM	P.B	0784	5/27/2003	DFI: AWW	SCALE: 1=1
01	ADDED CRITICAL INDICATORS	TWN	0730	2/20/2003	DCN: 0589	DRWG: A48X
NO	DESCRIPTION	DFI	DOC	DATE	DATE: 6/21/2001	C 01 OF 05

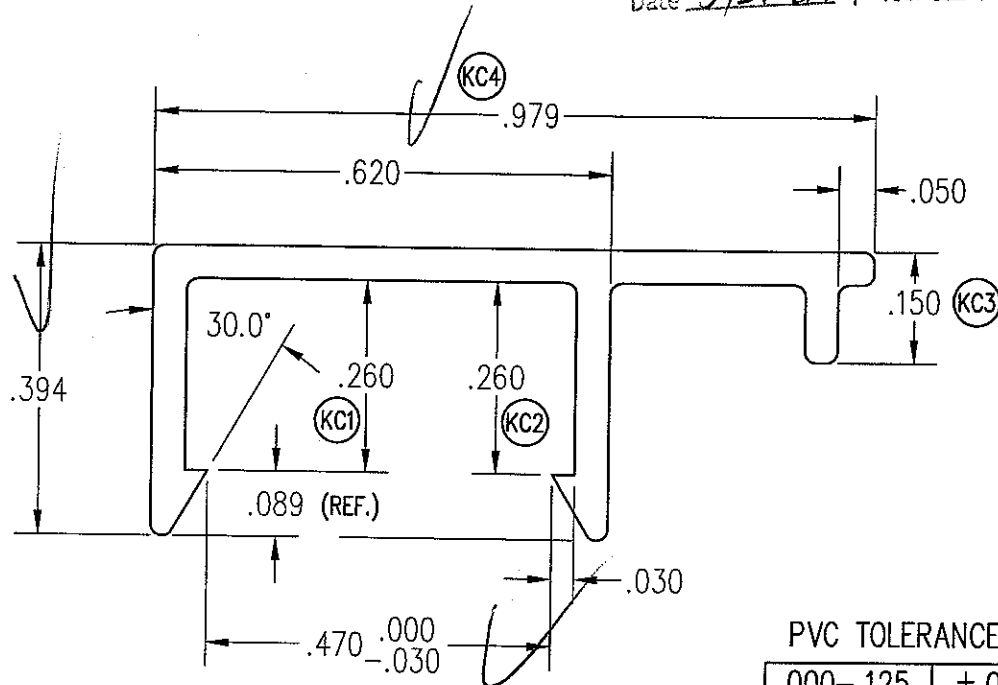
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm .005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .
2. WALL THICKNESS = .045.
3. AREA = .0808 SQ. IN.
4. ALL RADII = .015.



Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109 72962  
Date 5/29-6/1/07 Tech FB



PVC TOLERANCES

.000-.125	$\pm .010$
.125-.500	$\pm .015$
.500-2.00	$\pm .020$
2.00-4.00	$\pm .030$
4.00-5.00	$\pm .040$
WALLS	$\pm .005$
ANGLES	$\pm 3^\circ$

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TITLE: CDHV/WDHV  
PVC JAMBLINER COVER

FINISH: BEIGE, WHITE

MATL: RIGID PVC

DFT: PJB SCALE: 4=1

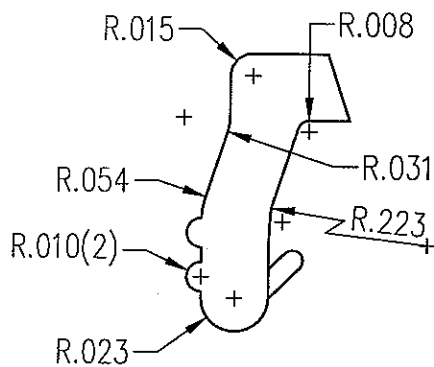
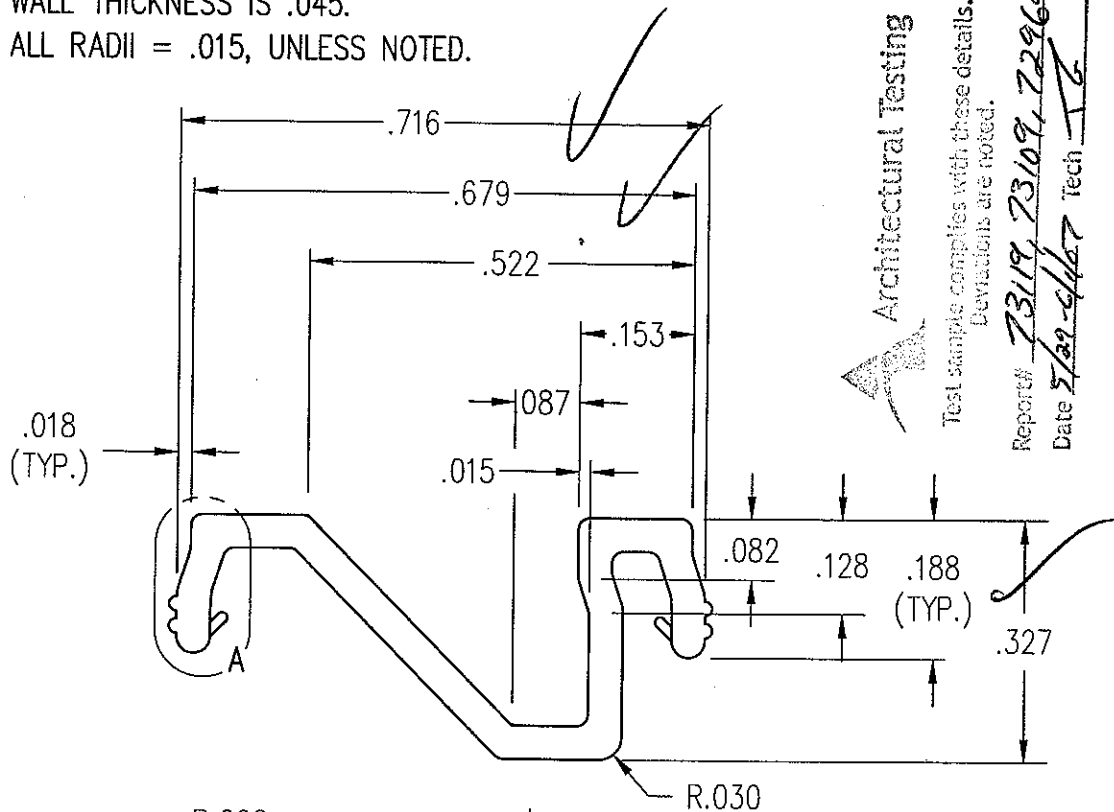
DCN: 0589 DRWG: A48Y

DATE: 6/21/2001 A 01 OF 03

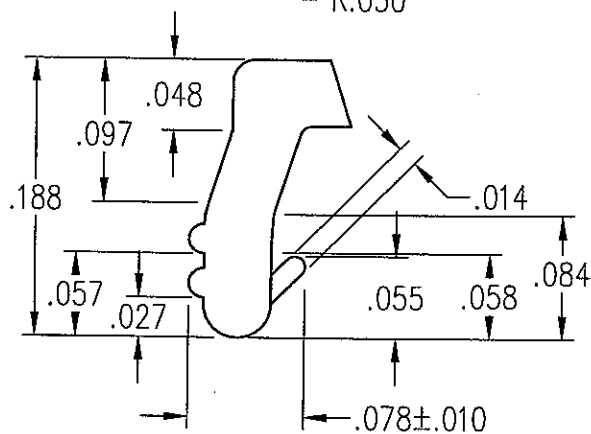
01	ADDED CRITICAL DIM & TOL. BLK.	PJB	PRE	6/4/2002
NO	DESCRIPTION	DFT	DOC	DATE



- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm .005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .
2. WALL THICKNESS IS .045.
3. ALL RADII = .015, UNLESS NOTED.



DETAIL "A" --- RADII



DETAIL "A"

#### PVC TOLERANCES

.000-.125	$\pm .010$
.125-.500	$\pm .015$
.500-2.00	$\pm .020$
2.00-4.00	$\pm .030$
4.00-5.00	$\pm .040$
WALLS	$\pm .005$
ANGLES	$\pm 3^\circ$

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TITLE: '07 CDHV  
SPRING COVER

FINISH: BEIGE, WHITE

MATL: PVC

DFT: ksmith SCALE: 4=1

DCN: 0881 DRWG: A71N

DATE: 1/29/2007 A 01 OF 02

Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73109, 72962  
Date 5/29/07 Tech JG

NO	DESCRIPTION	DFT	DOC	DATE
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- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
2. DOUGLAS FIR LVL IS REQUIRED.

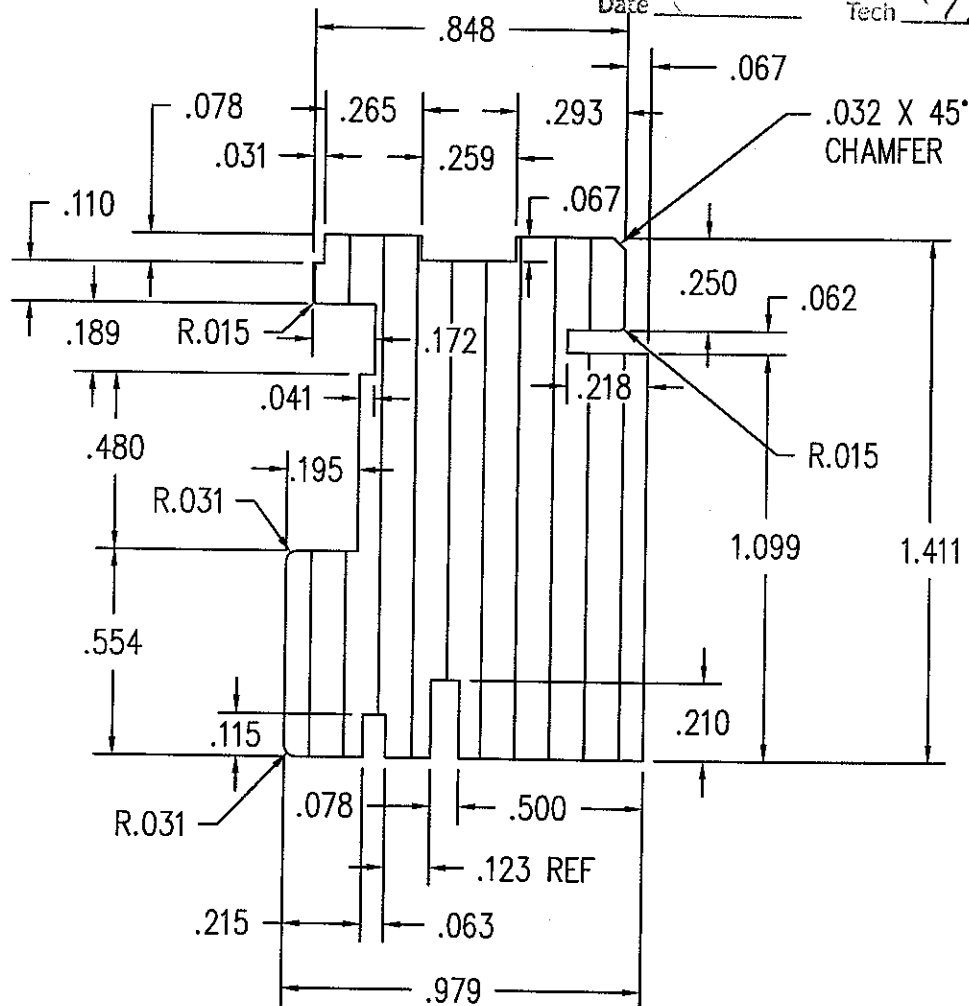


Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73120, 73109, 72962

Date 1/2 Tech 1/2



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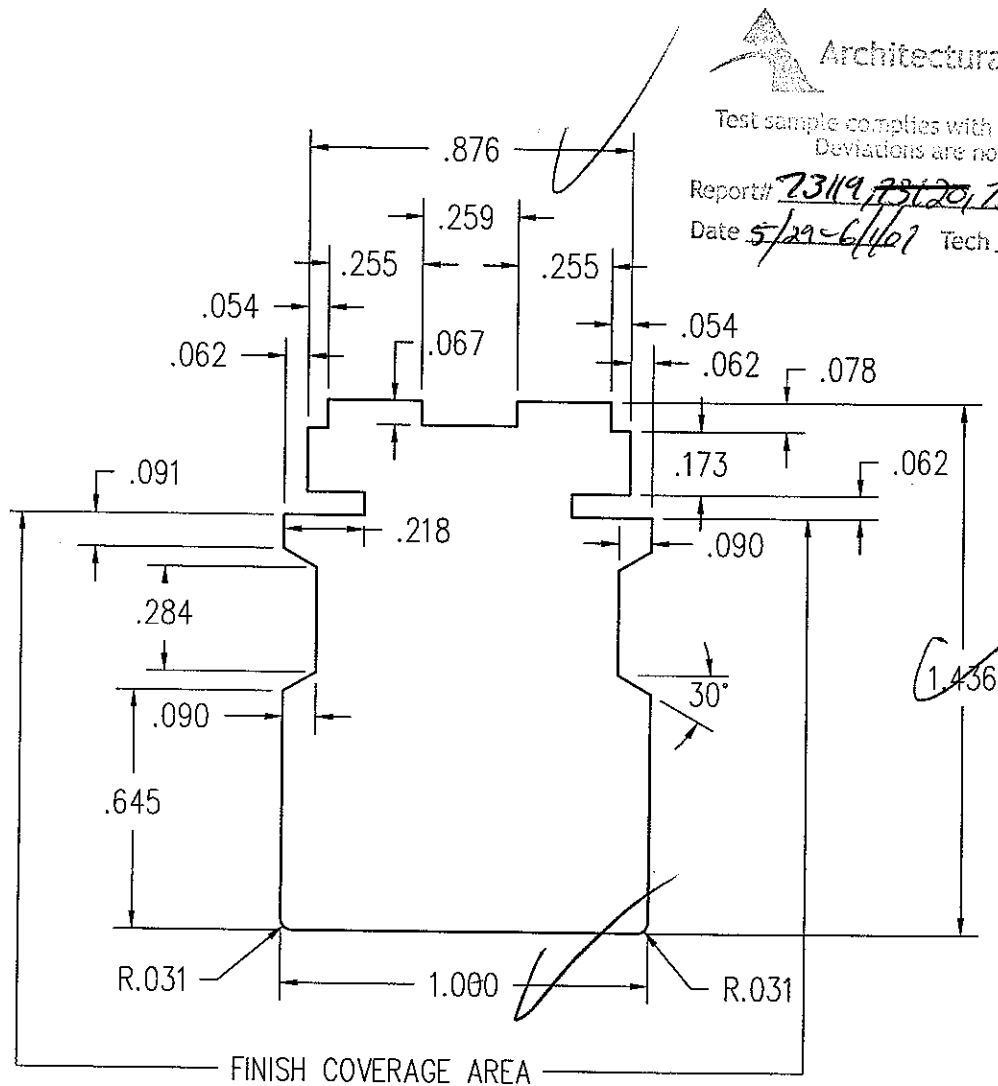
TITLE: '07 CLAD DOUBLE HUNG  
UPPER CHECK RAIL

FINISH:

MATL: SEE NOTE #2

03	CHANGED PROFILE	TWN	PRE	3/20/07	DFT:	tnies	SCALE:	2=1
02	REVISED PROFILE	TWN	PRE	1/15/07	DCN:	0881	DRWG:	20F2
01	UPDATED PROFILE	KJS	0881	1/4/07	DATE:	9/28/2006	A	01 OF 02
NO	DESCRIPTION	DFT	DOC	DATE				

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  $\pm 1/2^\circ$ .



Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73120, 73109, 22962

Date 5/29/6/01 Tech TG

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TITLE: '07 CDHV/CSHV - STILE/RAIL

FINISH: PRESERVATIVE

MATL: CLEAR PINE

DFT: ksmith SCALE: 2=1

DCN: 0881 DRWG: 20F4

DATE: 1/4/2007 A 01 OF 06

NO	DESCRIPTION	DFT	DOC	DATE

Test sample complies with these details.  
Deviations are noted.

Technical drawing of a mechanical part, likely a bracket or base plate, showing dimensions and annotations. The drawing includes the following features:

- Dimensions:**
  - Overall width: 2.115
  - Overall height: 1.063
  - Top left corner radius: R.031
  - Top right corner radius: R.031
  - Bottom right corner radius: R.078
  - Bottom left corner radius: R.031
  - Top left vertical edge: .429
  - Top left horizontal edge: .132
  - Top left vertical edge: .280
  - Top left horizontal edge: .855
  - Top left vertical edge: .930
  - Top left horizontal edge: .075
  - Top left vertical edge: .175
  - Top left horizontal edge: .171
  - Top left vertical edge: .078
  - Top left horizontal edge: .240
  - Top left vertical edge: .023
  - Top left horizontal edge: .092
  - Top left vertical edge: .500
  - Top left horizontal edge: .557
  - Top left vertical edge: .309
  - Top left horizontal edge: .063
  - Top left vertical edge: .116
  - Top left horizontal edge: .055
- Angles:**
  - 6° (top left corner)
  - 45° (bottom left corner)
  - 25° (top right corner)
- Annotations:**
  - Date: 5/29-6/1/07
  - Tech: 16

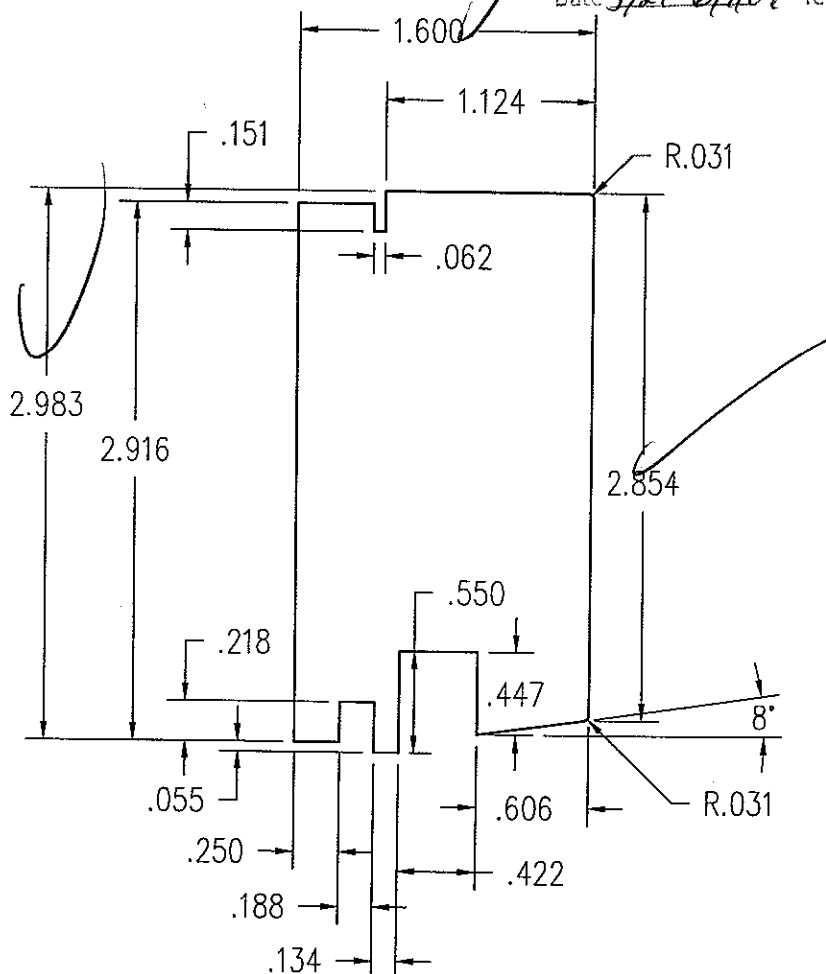
DCN: 0881	DRWG: 20F5
DATE: 9/28/2006	A 01 OF 02

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  $\pm 1/2^\circ$ .

Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73120, 73109, 72962  
Date 5/29-6/1/07 Tech TE



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TITLE: '07 CDHV, CDHF  
WIDE RAIL

FINISH:

MATL: CLEAR PINE

DFT: tnies

SCALE: 1=1

DCN: 0881

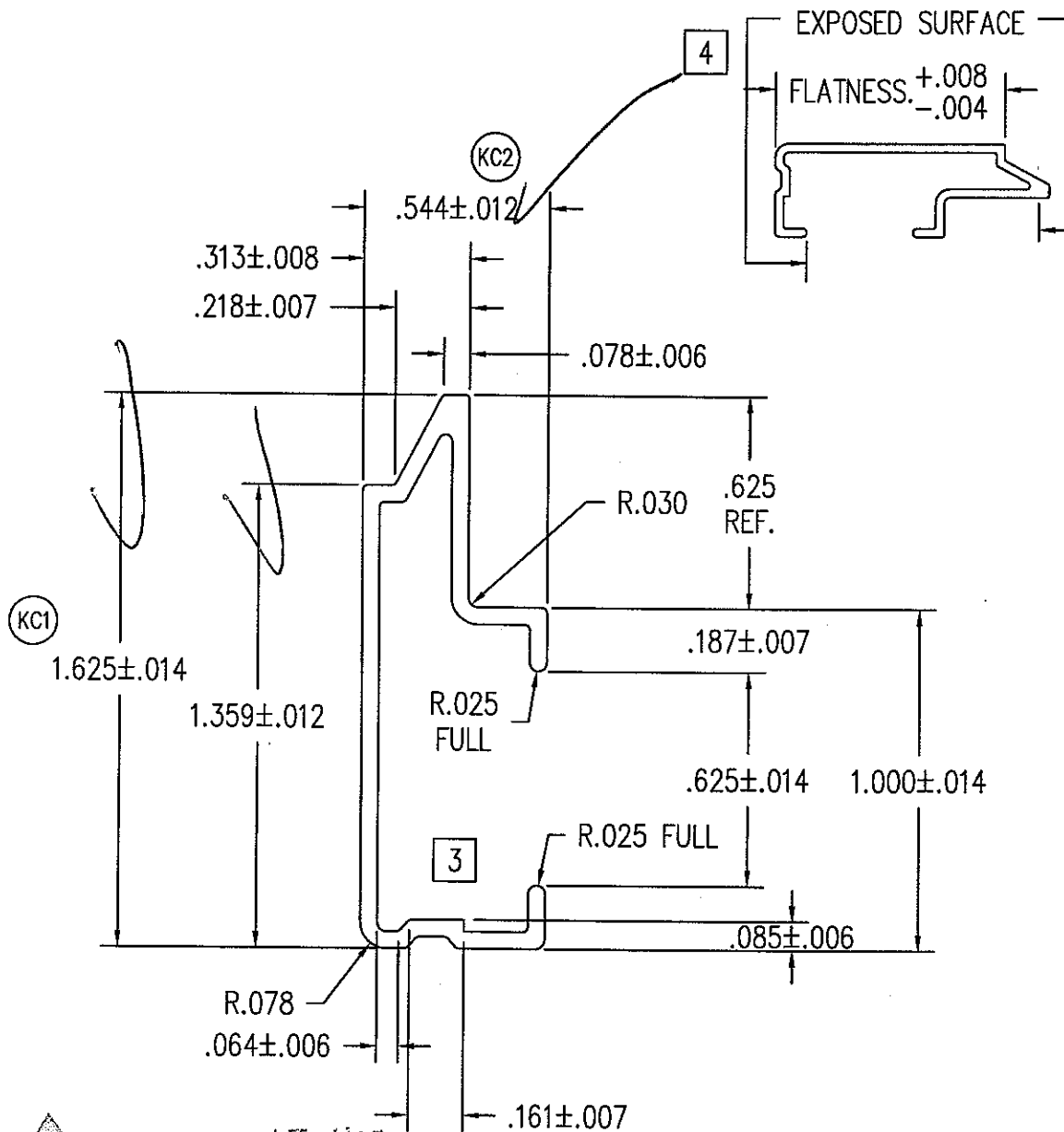
DRWG: 20E8

DATE: 9/29/2006

A 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE

- 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. TYPICAL WALL THICKNESS  $.050 \pm .005$ .  
 3. UNSPECIFIED RADIUS TO BE  $.015$ .



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 73119, 73120, 73107, 72962  
 Date 5/29-6/10/97 Tech JG

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TITLE: CDHV, CDHF, CSW, CDHVT  
 SASH COVER

FINISH: EAGLE'S STD. COLORS

05	ADDED E-TILT DHG	RJW	0589	6/26/2002		
04	ADDED TOLERANCE SPECS.	TWN	0595	8/31/2001	MATL:	6063 T-6 ALUMINUM
03	REVISED PROFILE	CEL	0366	10/27/1998		OR EQUIVALENT
02	CHG'D DESCRIPTION	CEL	0247	4/14/1997	DFT:	GDE
01	PROFILE REDESIGNED	BRL	0215	8/29/1995	DCN:	0073
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 3/26/1993	SCALE: 2=1
						DRWG: A16K
						A 01 OF 02

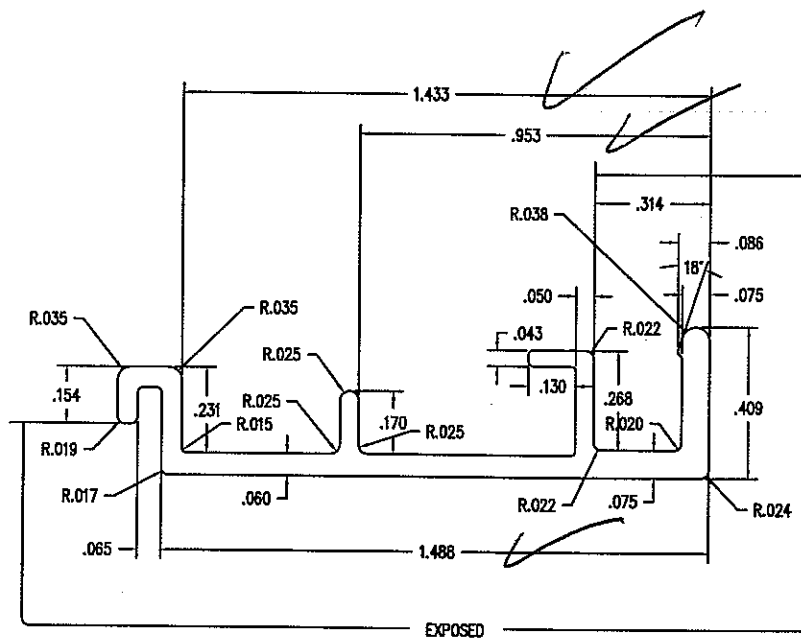
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm .005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. TYPICAL WALL THICKNESS .055  
 3. ALL RADIUS TO BE .010 UNLESS OTHERWISE SPECIFIED.  
 4. AREA = .171 SQ. IN.



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

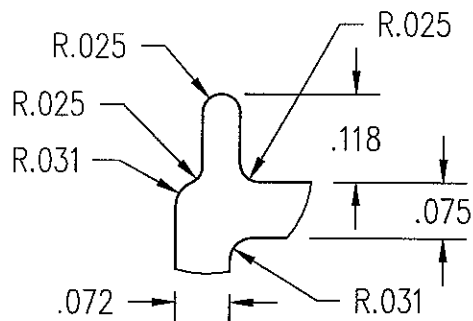
Report# 73119, 73120, 73109, 73962  
 Date 5/1-6/1/07 Tech TG



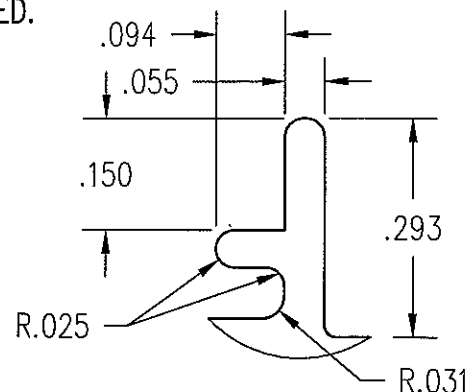
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 CONTENTS OF THIS DOCUMENT IS PERMITTED WITHOUT THE  
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 TITLE: 07 CDHV, CSHV  
 CHECK RAIL  
 FINISH: EAGLE'S STD. COLORS  
 MAIL: 6063 - T6 ALUMINUM  
 DFT: ksmith SCALE: 2=1  
 DCN: 0881 DRWG: A72W  
 DATE: 1/29/2007 C 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE

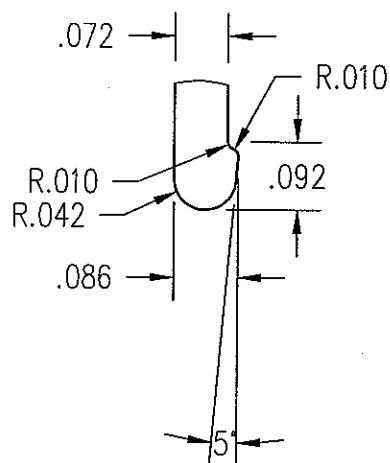
- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm .005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. WALL THICKNESS TO BE .050 UNLESS OTHERWISE SPECIFIED.  
 3. RADIUS TO BE .016 UNLESS OTHERWISE SPECIFIED.



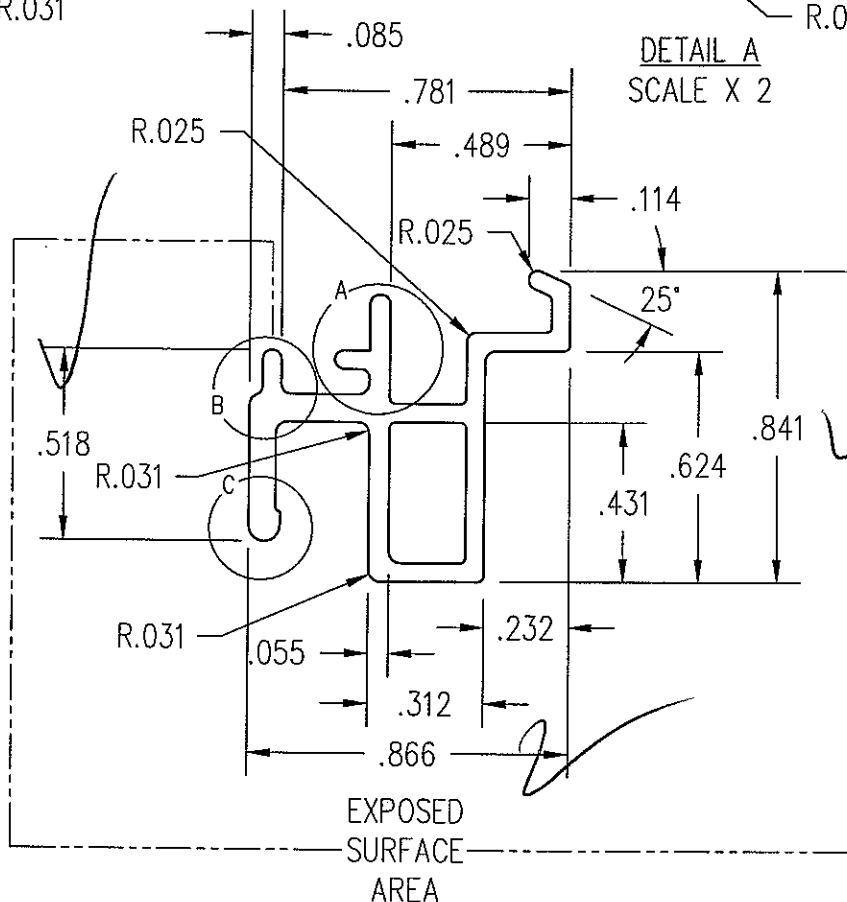
DETAIL B  
SCALE X 2



DETAIL A  
SCALE X 2



DETAIL C  
SCALE X 2



Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73120, 73109, 72962

Date 5/29-6/16/07 Tech TG

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TITLE: '07 CDHV

BOTTOM CHECK RAIL

FINISH: EAGLE'S STD. COLORS

MATL: 6063 - T6 ALUMINUM

DFT: ksmith

SCALE: 2=1

DCN: 0881

DRWG: A72X

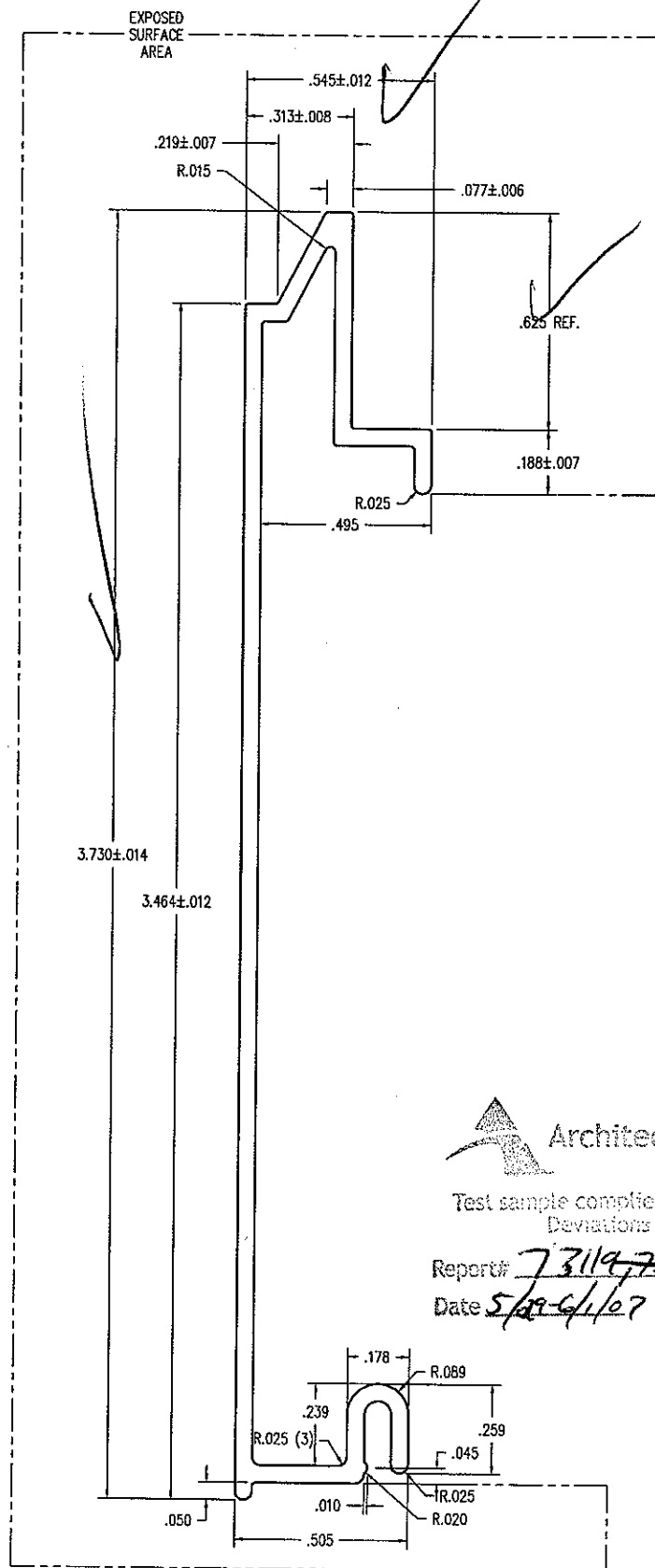
DATE: 1/29/2007

A 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE



- NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.010$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .  
 2. TYPICAL WALL THICKNESS .050.  
 3. UNSPECIFIED RADIUS TO BE .010.  
 4. AREA = .287 SQ. IN.



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 73119, 73120, 73109, 72962

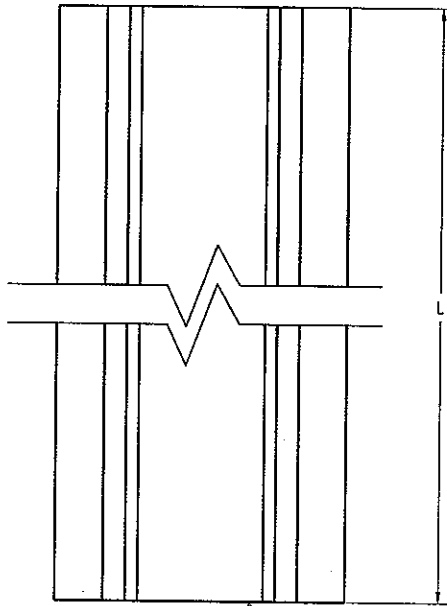
Date 5/29/07 Tech TG

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TITLE: 107 CDHV, CDHF  
 LOWER RAIL COVER  
 FINISH: EAGLE'S STD. COLORS  
 MATL: 6063 T-6 ALUMINUM

01 CHANGED PROFILE	TWN	PRE	12/12/06	DCN:	0881	DRWG:	A71X
NO	DESCRIPTION	DFT	DOC	DATE	DATE: 1/29/2007	C	01 OF 02

- 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 .045  
 3. UNLESS SPECIFIED, BREAK ALL CORNERS .015.  
 4. PROFILE AREA = .075 SQ. IN.  
 5. SHG (L) = AFH/2 - 1.188.  
 SHG COTT. (L) = AFH/2 + 4.812.  
 SHG REV. COTT. (L) = AFH/2 - 7.188.

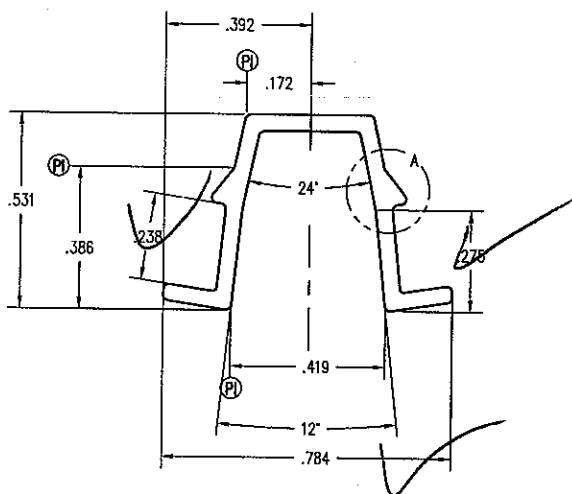


DOUBLE HUNG	
FRAME HEIGHT	L
36	0
40	0
48	0
54	0
60	0
66	12
72	12
78	12
84	12
90	24

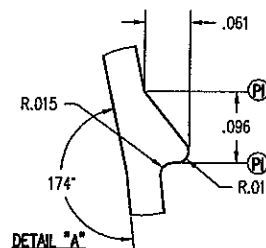
SINGLE HUNG	
FRAME HEIGHT	L
36	16 13/16
40	18 13/16
48	22 13/16
54	25 13/16
60	28 13/16
66	31 13/16
72	34 13/16
78	37 13/16
84	40 13/16
90	43 13/16

DH COTT.	
FRAME HEIGHT	L
36	0
40	0
48	0
54	14
60	14
66	14
72	14
78	14
84	14
90	24

DH REV. COTT.	
FRAME HEIGHT	L
36	0
40	0
48	0
54	0
60	0
66	0
72	12
78	12
84	12
90	12



3



#### PVC TOLERANCES

.000-.125	$\pm 0.010$
.125-.500	$\pm 0.015$
.500-2.00	$\pm 0.020$
2.00-4.00	$\pm 0.030$
4.00-5.00	$\pm 0.040$
WALLS	$\pm 0.005$
ANGLES	$\pm 3^\circ$



Architectural Testing

Test sample complies with these details.  
 Deviations are noted.

Report# 23119, 23120, 73101, 72962  
 Date 5/29-6/1/07 Tech TG

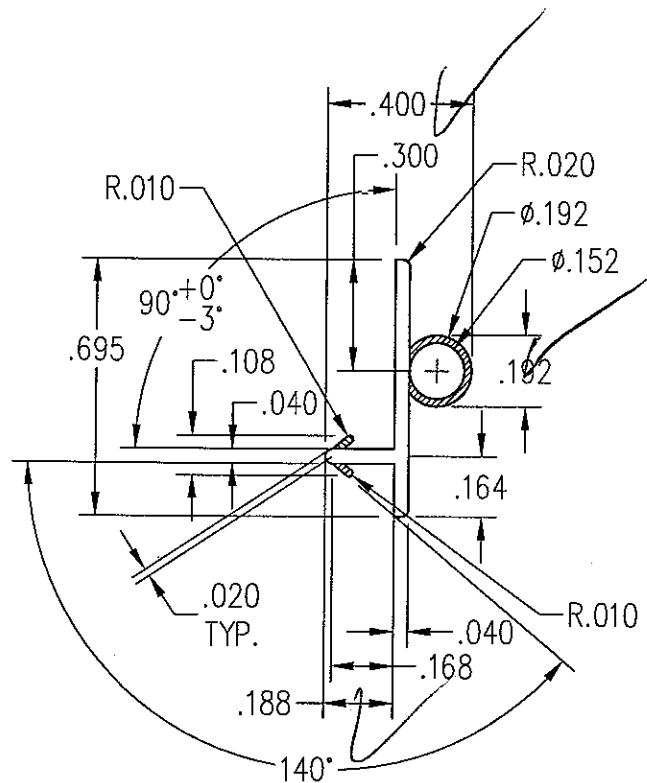
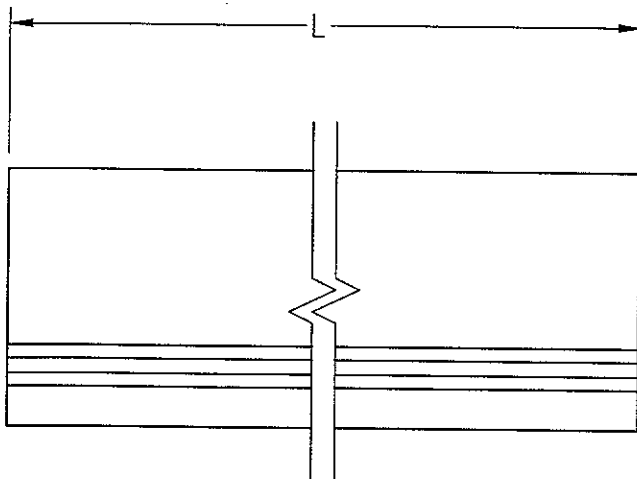
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TITLE: CDHV/WDHV  
 SASH STOP  
 FINISH: BEIGE, WHITE

MATL: RIGID PVC

031 CHGD LENGTHS TO 14"	TWN	TRKR	10/20/05	DFT	AWW	SCALE: 2=1
021 CORRECT 78" SHG (L)	AWW	0844	1/22/04	DCN:	0589	DRWG: A52F
011 FLARED LEGS APART	PJB	0805	7/9/03	DATE:	2/4/2002	C 01 OF 01
NO DESCRIPTION	DFT	DOC	DATE			

- 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. ALL NON LABELED RADIUS ARE  $.020$ .
3.  $L = AFW - 3 \frac{13}{16}"$ .



Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73120, 73109, 72962  
Date 5/29-6/1/07 Tech SG

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TITLE: '07 CDHV  
CR WEATHERSTRIP

FINISH: BEIGE

MATL: DUAL DURAMETER / VINYL

DFT: ksmith

SCALE: 2=1

DCN: 0881

DRWG: A72T

DATE: 1/29/2007

A 01 OF 01

01	CHANGED BULB SIZE	TWN	PRE	3/20/07
NO	DESCRIPTION	DFT	DOC	DATE

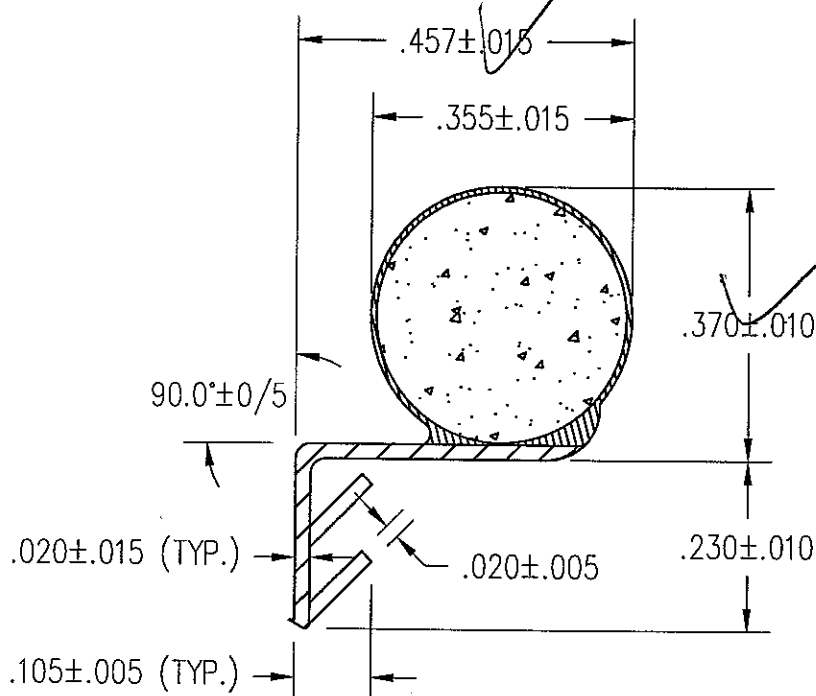
NOTE: 1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHOWN ARE IN INCHES AND ALL TOLERANCES ARE TO BE: DEC.  $\pm 0.005$ ; FRAC.  $\pm 1/64$ ; ANGLES  $\pm 1/2^\circ$ .



Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 73119, 73120, 73109, 72962  
Date 5/29/64/67 Tech LG



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TITLE: DH HEAD WEATHERSTRIP

FINISH:

MATL:

DFT: RJW

SCALE: 4=1

DCN: 0498

DRWG: A43G

DATE: 9/28/00

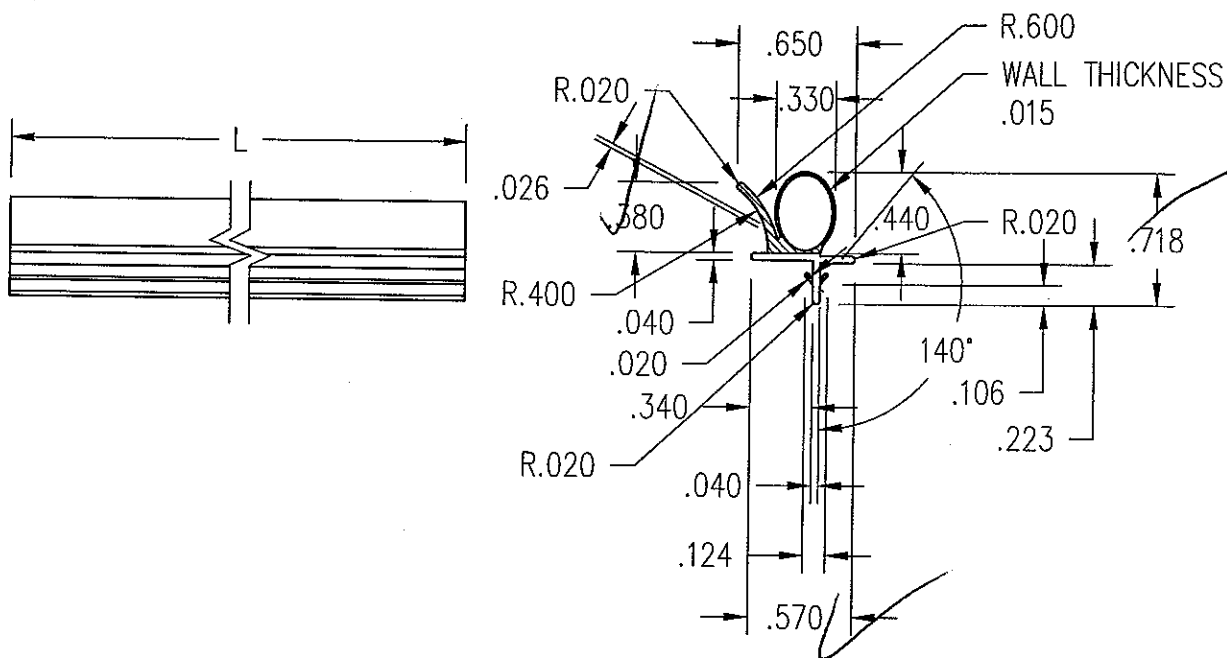
A 01 OF 02

NO	DESCRIPTION	DFT	DOC	DATE
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$$2. L = AFW - 3.800.$$


Test sample complies with these details.  
 Deviations are noted.

Report# 73119-73120, 7309, 72962  
Date 5/29-6/1/07 Tech TE



01	0F	01
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01	CHANGED PROFILE	TWN	PRE	3/20/07
NO	DESCRIPTION	DFT	DOC	DATE

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. (4) PCS./UNIT REQ'D. -- (2) TOP (EXT.), (2) BOTTOM (INT.).

3. UPPER SASH: DH L = AFH/2 - 2".

LOWER SASH: DH L = AFH/2 + 11/32".

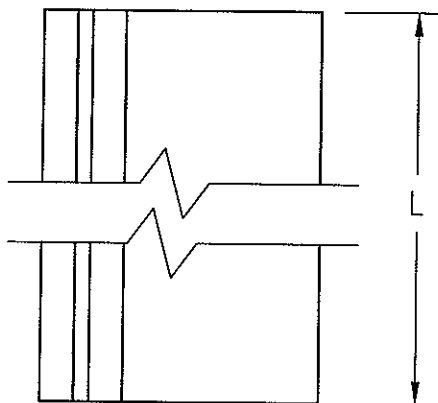
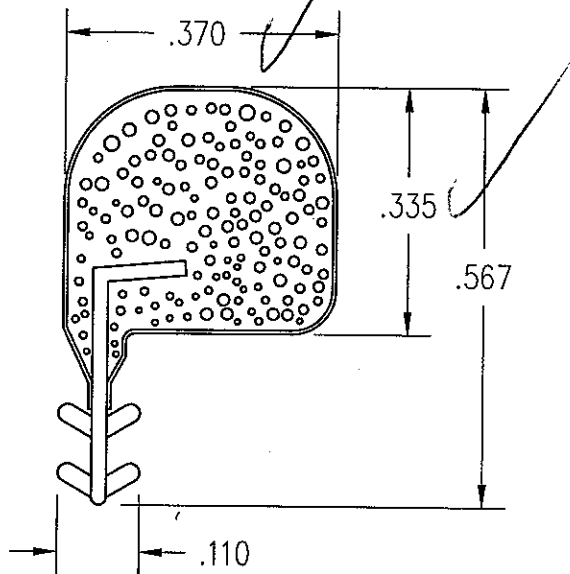
4. CSD USES BEIGE, (L) = AFH - 1 7/8"

5. COMPRESSION SPECIFICATION

A) 4.5 LBS  $\pm 1$  LB @  
25% COMPRESSION (.084")

B) .2 LBS PRE-LOAD

C) 4.000" PIECE  $\pm .020$ "



DOUBLE HUNG		
FRAME HEIGHT	UPPER SASH L	LOWER SASH L
36	16	18 11/32
40	18	20 11/32
48	22	24 11/32
54	25	27 11/32
60	28	30 11/32
66	31	33 11/32
72	34	36 11/32
78	37	39 11/32
84	40	42 11/32
90	43	45 11/32
96	46	48 11/32
102	49	51 11/32
108	52	54 11/32
114	55	57 11/32
120	58	60 11/32

CSD (INTERLOCK)	
FRAME HEIGHT	L
80	78 1/8
82	80 1/8
96	94 1/8
120	118 1/8

Architectural Testing

Test sample complies with these details.  
Deviations are noted.

Report# 7319, 7319, 7319, 7319, 7319, 7319  
Date 5/29/07 Test 1/5

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TITLE: DHG JAMB WEATHER STRIP  
SCHLEGEL (LAMINATED LINER)

FINISH:

MATL: CORE: HR URETHANE FOAM  
SKIN: PE LINER M5

03	UPDATED DHG CHART & NOTE #3	KJS	0881	1/5/07	DFT:	AWW	SCALE:	4=1
02	ADD COMPRESSION SPEC	PJB	0873	4/6/2004	DCN:	0589	DRWG:	A523
01	ADD CSD CHART	AWW	0743	2/17/2003	DATE:	8/23/2001	A	01 OF 01
NO	DESCRIPTION	DFT	DOC	DATE	DATE:	8/23/2001	A	01 OF 01