

**AAMA/WDMA/CSA 101/I.S.2/A440-05 AND
ANSI/AAMA/NWDA 101/I.S.2-97
TEST REPORT**

Rendered to:

EARTHWISE GROUP LLC

**SERIES/MODEL: 143.095 DH
PRODUCT TYPE: Double Hung Window**

**Report No.: 74670.03-501-47
Test Dates: 06/25/07
Through: 06/27/07
Report Date: 07/26/07
Expiration Date: 06/27/11**

Summary of Results
(Continued)

Title	Summary of Results		
	Test Specimen #1	Test Specimen #2	Test Specimen #3
AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	H-R20 1220 x 1955 (48 x 77)	H-LC25 1220 x 1955 (48 x 77)	H-R20 1120 x 1600 (44 x 63)
ANSI/AAMA/NWWDA 101/I.S.2-97 Rating	H-R20 48 x 77	H-LC25 48 x 77	H-R20 44 x 63
Design Pressure	±960 Pa (±20.06 psf)	±1200 Pa (±25.08 psf)	±960 Pa (±20.06 psf)
Operating Force (in motion)	135 N (30 lbf)	N/A	135 N (30 lbf)
Air Infiltration	0.60 L/s/m ² (0.12 cfm/ft ²)	N/A	0.35 L/s/m ² (0.07 cfm/ft ²)
Water Penetration Resistance Test Pressure	220 Pa (4.60 psf)	260 Pa (5.43 psf)	220 Pa (4.60 psf)
Uniform Load Structural Test Pressure	±1440 Pa (±30.09 psf)	±1800 Pa (±37.62 psf)	±1440 Pa (±30.09 psf)
Forced Entry Resistance	Grade 10	N/A	Grade 10

Title	Summary of Results	
	Test Specimen #4	Test Specimen #5
AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	H-R30 1120 x 1600 (44 x 63)	H-LC35 1120 x 1600* (44 x 63*)
ANSI/AAMA/NWWDA 101/I.S.2-97 Rating	H-R30 44 x 63	H-LC35 44 x 63*
Design Pressure	±1440 Pa (±30.09 psf)	±1680 Pa (±35.11 psf)
Operating Force (in motion)	N/A	N/A
Air Infiltration	N/A	N/A
Water Penetration Resistance Test Pressure	N/A	N/A
Uniform Load Structural Test Pressure	±2160 Pa (±45.14 psf)	±2520 Pa (±52.66 psf)
Forced Entry Resistance	N/A	N/A

Test Completion Date: 06/27/07

Reference must be made to Report No. 74670.03-501-47, dated 07/26/07 for complete test specimen description and data.

AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

EARTHWISE GROUP LLC
 107 Pierce Road
 Clifton Park, New York 12065

Report No.: 74670.03-501-47
 Test Dates: 06/25/07
 Through: 06/27/07
 Report Date: 07/26/07
 Expiration Date: 06/27/11

Project Summary: Architectural Testing, Inc. was contracted by Deceuninck North America, LLC. to witness testing on five Series/Model 143.095 DH, double hung windows at the Deceuninck North America, LLC test facility in Monroe, Ohio. This report is a reissue of the original Report No. 74670.01-501-47. This report is reissued in the name of Earthwise Group LLC through written authorization of Deceuninck North America, LLC. Test specimen description and results are reported herein. The samples were provided by the client. The samples tested successfully met the performance requirements for the following ratings:

Test Specimen No.	AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	ANSI/AAMA/NWWDA 101/I.S.2-97 Rating
1	H-R20 1220 x 1955 (48 x 77)	H-R20 48 x 77
2	H-LC25 1220 x 1955 (48 x 77)	H-LC25 48 x 77
3	H-R20 1120 x 1600 (44 x 63)	H-R20 44 x 63
4	H-R30 1120 x 1600 (44 x 63)	H-R30 44 x 63
5	H-LC35 1120 x 1600* (44 x 63*)	H-LC35 44 x 63*

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 Specifications: The test specimens were evaluated in accordance with the following:

AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights.*

ANSI/AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 143.095 DH

Product Type: Double Hung Window

Test Specimen #1:

Overall Size: 1220 mm (48") wide by 1955 mm (77") high

Interior Sash Size: 1140 mm (44-7/8") wide by 960 mm (37-3/4") high

Exterior Sash Size: 1115 mm (43-7/8") wide by 960 mm (37-3/4") high

Full Screen Size: 1120 mm (44") wide by 1885 mm (74-1/8") high

Half Screen Size: 1120 mm (44") wide by 960 mm (37-3/4") high

Overall Area: 2.39 m² (25.7 ft²)

Reinforcement: Reinforcement was utilized in both meeting rails and bottom rails (Refer to Deceuninck Drawing #A6202).

Test Specimen #2:

Overall Size: 1220 mm (48") wide by 1955 mm (77") high

Interior Sash Size: 1140 mm (44-7/8") wide by 960 mm (37-3/4") high

Exterior Sash Size: 1115 mm (43-7/8") wide by 960 mm (37-3/4") high

Full Screen Size: 1120 mm (44") wide by 1885 mm (74-1/8") high

Half Screen Size: 1120 mm (44") wide by 960 mm (37-3/4") high

Overall Area: 2.39 m² (25.7 ft²)

Reinforcement: Reinforcement was utilized in all sash members (Refer to Deceuninck Drawing #A6202).

Test Specimen Description: (Continued)

Test Specimen #3:

Overall Size: 1120 mm (44") wide by 1600 mm (63") high

Interior Sash Size: 1040 mm (40-7/8") wide by 780 mm (30-3/4") high

Exterior Sash Size: 1015 mm (39-7/8") wide by 780 mm (30-3/4") high

Full Screen Size: 1015 mm (40") wide by 1525 mm (60-1/8") high

Half Screen Size: 1015 mm (40") wide by 785 mm (30-7/8") high

Overall Area: 1.79 m² (19.25 ft²)

Reinforcement: There was no reinforcement utilized.

Test Specimen #4:

Overall Size: 1120 mm (44") wide by 1600 mm (63") high

Interior Sash Size: 1040 mm (40-7/8") wide by 780 mm (30-3/4") high

Exterior Sash Size: 1015 mm (39-7/8") wide by 780 mm (30-3/4") high

Full Screen Size: 1015 mm (40") wide by 1525 mm (60-1/8") high

Half Screen Size: 1015 mm (40") wide by 785 mm (30-7/8") high

Overall Area: 1.79 m² (19.25 ft²)

Reinforcement: Reinforcement was utilized in both meeting rails and bottom rails (Refer to Deceuninck Drawing #A6202).

Test Specimen #5:

Overall Size: 1120 mm (44") wide by 1600 mm (63") high

Interior Sash Size: 1040 mm (40-7/8") wide by 780 mm (30-3/4") high

Exterior Sash Size: 1015 mm (39-7/8") wide by 780 mm (30-3/4") high

Test Specimen Description: (Continued)

Test Specimen #5: (Continued)

Full Screen Size: 1015 mm (40") wide by 1525 mm (60-1/8") high

Half Screen Size: 1015 mm (40") wide by 785 mm (30-7/8") high

Overall Area: 1.79 m² (19.25 ft²)

Reinforcement: Reinforcement was utilized in all sash members (Refer to Deceuninck Drawing #A6202).

The following descriptions apply to all specimens.

Finish: All vinyl was white.

Frame Construction: All frame members were mitered and welded.

Sash Construction: All sash members were mitered and welded.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Polypile with center fin 0.290" high by 0.187" backed	1 Row	Top and interior meeting rail and sill leg
Polypile with center fin 0.290" high by 0.187" backed	2 Rows	All stiles
Offset foam-filled bulb with leaf (Drawing #10008206)	1 Row	Bottom rail
Foam-filled bulb (Q-LON Drawing #Q375T190)	1 Row	Head

Glazing Details: The units were exterior glazed with nominal 19 mm (3/4") thick, sealed insulating glass fabricated from two sheets of single-strength clear annealed glass and a metal U-shaped spacer system. All insulating glass was set against 25 mm (1/2") tape and secured with a vinyl durameter glazing beads.

Test Specimen Description: (Continued)

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Weepslot 1" wide by 1/8" high	2	3-1/2" in from outside corners of sill
Weepslot 3/8" wide by 1/8" high	4	3-1/4" in from outside corners of bottom rails of both sash
Weep notch 2" wide by 3/16" high	4	Corners of screen track legs of sill

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock	2	11" in from outside corners of interior sash meeting rail
Metal keeper	2	11" in from inside corners of exterior meeting rail
Flush mounted plastic tilt latch	4	Top corners of both sash
Metal pivot bars	4	Bottom corners of both sash
Constant force balance with shoe	4	Sash tracks in both jambs

Screen Construction: Screen was constructed utilizing extruded aluminum that was mitered and held together with an inserted metal corner key. The fiberglass mesh screen cloth was secured with a flexible vinyl spline.

Installation: The units were installed into a wood buck using #8 x 5/8" pan head screws spaced every 6-1/2" on center and in corners through nail fin. The nail fin was bedded and sealed in silicone caulking.

Test Results: The temperature during testing was 25°C (78°F). The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1:</u>			
5.3.1	Operating Force per ASTM E 2068		
2.2.1.6.1	Initiate motion	135 N (30 lbf)	Report Only
	Maintain motion	135 N (30 lbf)	135 N (30 lbf)
	Latches	18 N (4 lbf)	100 N (22.5 lbf)
5.3.2.1	Air Leakage Resistance per ASTM E 283		
2.1.2	75 Pa (1.6 psf)	0.60 L/s/m ² (0.12 cfm/ft ²)	1.5 L/s/m ² (0.3 cfm/ft ²) max.

Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWDA 101/I.S.2-97 for air leakage resistance.

5.3.3.2	Water Penetration Resistance per ASTM E 547		See Note #2
2.1.3			

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

5.3.4.2	Uniform Load Deflection per ASTM E 330		
2.1.4.1	(Deflections were taken on the exterior meeting rail) (Loads were held for 52 seconds)		
	720 Pa (15.05 psf) (positive)	9.4 mm (0.37")	See Note #3
	720 Pa (15.05 psf) (negative)	11.2 mm (0.44")	See Note #3

Note #3: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.

5.3.4.3	Uniform Load Structural per ASTM E 330		
2.1.4.2	(Permanent sets were taken on the exterior meeting rail) (Loads were held for 10 seconds)		
	1080 Pa (22.57 psf) (positive)	0.76 mm (0.03")	4.3 mm (0.17") max.
	1080 Pa (22.57 psf) (negative)	0.51 mm (0.02")	4.3 mm (0.17") max.

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1:</u> (Continued)			
5.3.5 2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Test A1 through A7	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
5.3.6.2 2.1.7	Thermoplastic Corner Weld Test	Meets as stated	Meets as stated
5.3.6.3 2.2.1.1.2	Deglazing Test		
	In operating direction - 320 N (70 lbf)		
	Interior meeting rail	6.1 mm (0.24")	11.4 mm (0.45")
	Interior bottom rail	4.6 mm (0.18")	11.4 mm (0.45")
	Exterior meeting rail	4.8 mm (0.19")	11.4 mm (0.45")
	Exterior top rail	3.0 mm (0.12")	11.4 mm (0.45")
	In remaining direction - 230 N (50 lbf)		
	Interior left stile	2.8 mm (0.11")	11.4 mm (0.45")
	Interior right stile	1.8 mm (0.07")	11.4 mm (0.45")
	Exterior left stile	2.0 mm (0.08")	11.4 mm (0.45")
	Exterior right stile	2.0 mm (0.08")	11.4 mm (0.45")
<u>Optional Performance</u>			
4.4.2.6 4.3	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	220 Pa (4.60 psf)	No leakage	No leakage

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1:</u> (Continued)			
<u>Optional Performance:</u> (Continued)			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the exterior meeting rail) (Loads were held for 52 seconds)		
	960 Pa (20.06 psf) (positive)	11.9 mm (0.47")	See Note #3
	960 Pa (20.06 psf) (negative)	15.7 mm (0.62")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the exterior meeting rail) (Loads were held for 10 seconds)		
	1440 Pa (30.09 psf) (positive)	0.51 mm (0.02")	4.3 mm (0.17") max.
	1440 Pa (30.09 psf) (negative)	0.76 mm (0.03")	4.3 mm (0.17") max.

Test Specimen #2:

Optional Performance

4.4.2.6 4.3	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	260 Pa (5.43 psf)	No leakage	No leakage
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the exterior meeting rail) (Loads were held for 52 seconds)		
	1200 Pa (25.08 psf) (positive)	18.3 mm (0.72")	See Note #3
	1200 Pa (25.08 psf) (negative)	20.0 mm (0.79")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the exterior meeting rail) (Loads were held for 10 seconds)		
	1800 Pa (37.62 psf) (positive)	2.0 mm (0.08")	4.3 mm (0.17") max.
	1800 Pa (37.62 psf) (negative)	2.8 mm (0.11")	4.3 mm (0.17") max.

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #3:</u>			
5.3.1	Operating Force per ASTM E 2068		
2.2.1.6.1	Initiate motion	135 N (30 lbf)	Report Only
	Maintain motion	135 N (30 lbf)	135 N (30 lbf)
	Latches	18 N (4 lbf)	100 N (22.5 lbf)
5.3.2.1	Air Leakage Resistance per ASTM E 283		
2.1.2	75 Pa (1.6 psf)	0.35 L/s/m ² (0.07 cfm/ft ²)	1.5 L/s/m ² (0.3 cfm/ft ²) max.
<i>Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWDA 101/I.S.2-97 for air leakage resistance.</i>			
5.3.3.2	Water Penetration Resistance per ASTM E 547		See Note #2
2.1.3			
5.3.4.2	Uniform Load Deflection per ASTM E 330		
2.1.4.1	(Deflections were taken on the exterior meeting rail) (Loads were held for 52 seconds)		
	720 Pa (15.05 psf) (positive)	14.5 mm (0.57")	See Note #3
	720 Pa (15.05 psf) (negative)	14.5 mm (0.57")	See Note #3
5.3.4.3	Uniform Load Structural per ASTM E 330		
2.1.4.2	(Permanent sets were taken on the exterior meeting rail) (Loads were held for 10 seconds)		
	1080 Pa (22.57 psf) (positive)	1.0 mm (0.04")	4.1 mm (0.16") max.
	1080 Pa (22.57 psf) (negative)	0.25 mm (0.01")	4.1 mm (0.16") max.
5.3.5	Forced Entry Resistance per ASTM F 588		
2.1.8			
	Type: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Test A1 through A7	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #3:</u> (Continued)			
5.3.6.2 2.1.7	Thermoplastic Corner Weld Test	Meets as stated	Meets as stated
5.3.6.3 2.2.1.1.2	Deglazing Test In operating direction - 320 N (70 lbf)		
	Interior meeting rail	5.3 mm (0.21")	11.4 mm (0.45")
	Interior bottom rail	5.1 mm (0.20")	11.4 mm (0.45")
	Exterior meeting rail	2.5 mm (0.10")	11.4 mm (0.45")
	Exterior top rail	2.3 mm (0.09")	11.4 mm (0.45")
	In remaining direction - 230 N (50 lbf)		
	Interior left stile	3.0 mm (0.12")	11.4 mm (0.45")
	Interior right stile	2.8 mm (0.11")	11.4 mm (0.45")
	Exterior left stile	1.5 mm (0.06")	11.4 mm (0.45")
	Exterior right stile	1.5 mm (0.06")	11.4 mm (0.45")
<u>Optional Performance</u>			
4.4.2.6 4.3	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	220 Pa (4.60 psf)	No leakage	No leakage
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the exterior meeting rail) (Loads were held for 52 seconds)		
	960 Pa (20.06 psf) (positive)	19.0 mm (0.75")	See Note #3
	960 Pa (20.06 psf) (negative)	21.0 mm (0.83")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the exterior meeting rail) (Loads were held for 10 seconds)		
	1440 Pa (30.09 psf) (positive)	0.76 mm (0.03")	4.1 mm (0.16") max.
	1440 Pa (30.09 psf) (negative)	<0.25 mm (<0.01")	4.1 mm (0.16") max.

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #4:</u>			
<u>Optional Performance</u>			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the exterior meeting rail) (Loads were held for 52 seconds)		
	1440 Pa (30.09 psf) (positive)	10.7 mm (0.42")	See Note #3
	1440 Pa (30.09 psf) (negative)	13.2 mm (0.52")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the exterior meeting rail) (Loads were held for 10 seconds)		
	2160 Pa (45.14 psf) (positive)	0.51 mm (0.02")	4.1 mm (0.16") max.
	2160 Pa (45.14 psf) (negative)	0.51 mm (0.02")	4.1 mm (0.16") max.

Test Specimen #5:

Optional Performance

4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the exterior meeting rail) (Loads were held for 52 seconds)		
	1680 Pa (35.11 psf) (positive)	18.5 mm (0.73")	See Note #3
	1680 Pa (35.11 psf) (negative)	17.8 mm (0.70")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the exterior meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	3.8 mm (0.15")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	1.5 mm (0.06")	4.1 mm (0.16") max.

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

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

List of Official Observers:

<u>Name</u>	<u>Company</u>
Dean Erbaugh Corey A. Eisenhuth	Deceuninck North America, LLC 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.

This report is reissued in the name of Earthwise Group LLC through written authorization of Deceuninck North America, LLC to whom the original report was rendered. The original Deceuninck North America, LLC Report No. is 74670.01-501-47.

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(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

Corey A. Eisenhuth
Senior Technician

Michael L. Mackereth
Director - Operations

CAE:vlm/clw

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

Appendix-A: Alteration Addendum (1)

Appendix-B: Drawings (14)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	07/26/07	N/A	Original report issue – Reissued Report No. 74670.01-501-47-r0 in the name of Earthwise Group LLC

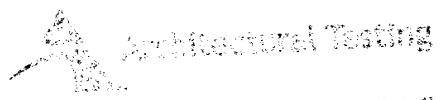
Appendix A
Alteration Addendum

Note: No alterations were required.

Appendix B

Drawings

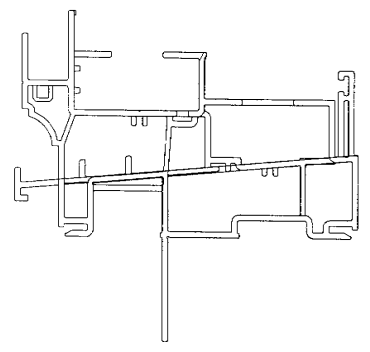
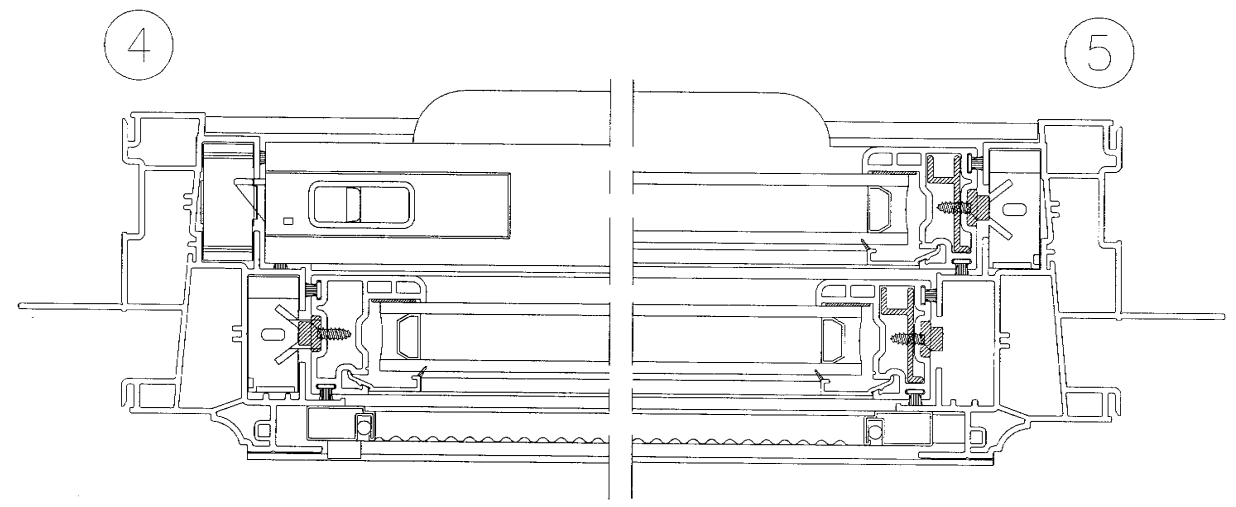
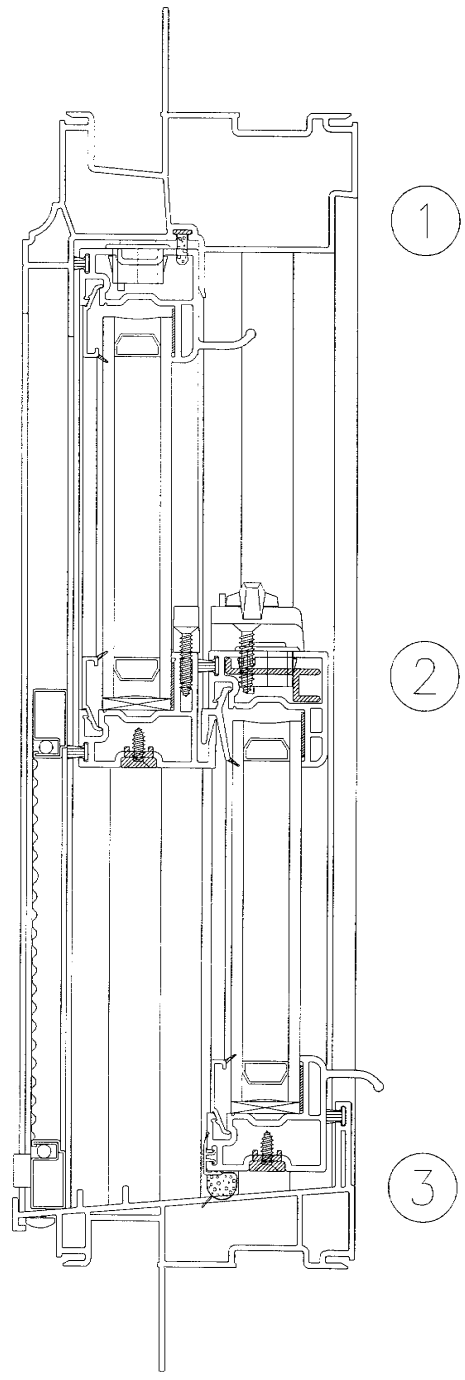
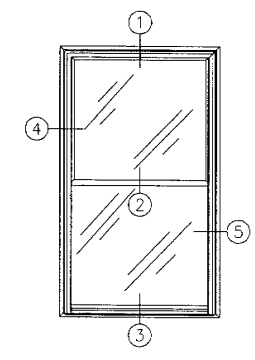
REV.	DATE	DESCRIPTION	BY



Architectural Testing

Test sample conforms with these details.
 Deviations are noted.

Report# 74670.01-501-47
 Date 7-18-07 Test CAE



- NOTES:
1. This print contains proprietary information. Do not copy without express written consent of DAYTON TECHNOLOGIES.
 2. DAYTON TECHNOLOGIES reserves the right to change specifications.
 3. Assembly prints are intended to be guidelines only. See detail prints for actual construction.

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DAYTON TECHNOLOGIES

MUNDOE, OHIO		Copyright 2004	
NAME:	143.095 Double Hung	DATE:	01/07/04
DRAWN BY:	CRB	CHECKED BY:	
SCALE:	1 : 1 "C"	DATE:	
PART ORG. NO.	143095DH		

143.000 DH FRAME - BILL OF MATERIALS - NC

ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	
1	HEAD	1	P8689	P8689F01	A
2	SILL	1	P8673 / P8693 / P8674 Egress	P8673F03	A
3	JAMB	2	P8688	P8688F01	A
4					
5					
6	CENTER FIN WEATHERSTRIPPING	AS REQ'D	.187 BK. X .290 HT.		F
7	SCREEN ASSEMBLY	1	SCREEN - 13		GGG
8	WEATHER SEAL - AT HEAD (P8689)	AS REQ'D	Q-LON - #Q375T190		I
9					
10					
11	BALANCE SYSTEM - CROSSBOW		36" and Less / Over 36" Wide		
12	BALANCE	4	1000 / 10001		BBB
13		4	1200 / 1201		BBB
14		4	1400 / 1401		BBB
15		4	1600 / 1601		BBB
16		4	1800 / 1801		BBB
17		4	2000 / 2001		BBB
18		4	2200 / 2201		BBB
19		4	2400 / 2401		BBB
20		4	2600 / 2601		BBB
21		4	2500 / 2801		BBB
22		4	3000 / 3001		BBB
23		4	3200 / 3201		BBB
24		4	3400 / 3401		BBB
25		4	3600 / 3601		BBB
26		4	3800 / 3801		BBB
27		4	4000 / 4001		BBB
28	1/2" REAR BRAKE SHOE	4	81020		D
29					
30					
31					
32					
33					
34					
35	BALANCE SCREW ANCHOR	2	9637		D
36	BALANCE SCREW	2	#8 x 1 1/4" PFH		B, Z
37					
38					
39	FRAME SCREWS AT SCREEN TRACK	2	#8 x 3/4" PPH		B, Z
40					


Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# 74670.01-501-47
 Date 7-18-07 Tech CAE

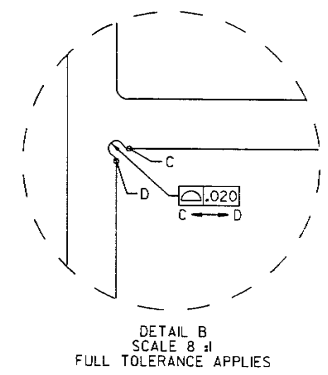
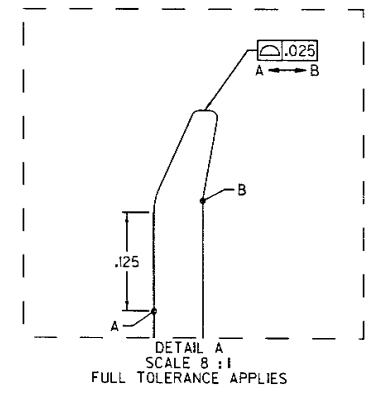
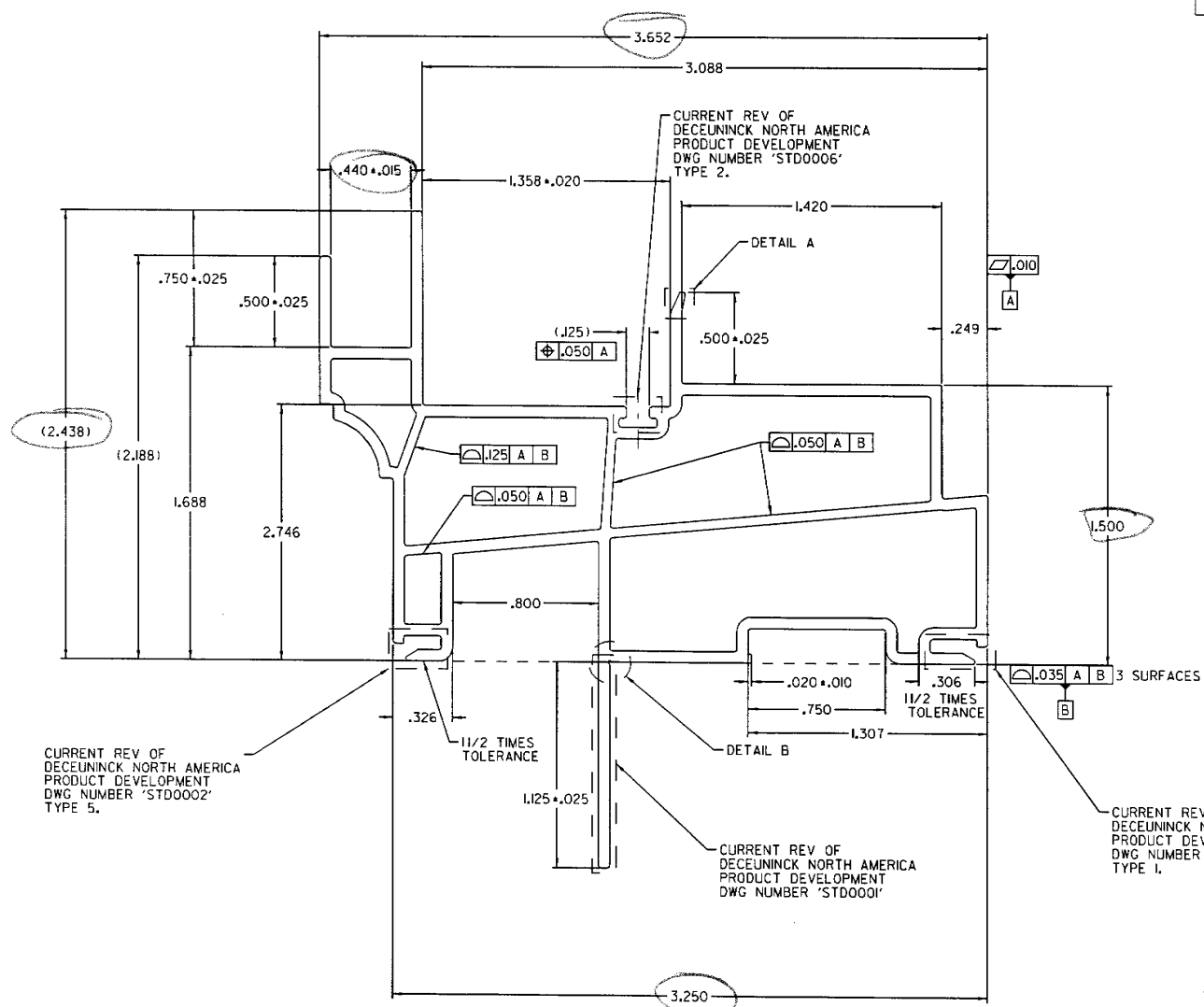
Rev	Date	Description	By
A	1/29/2001	ADDED Q-LON PART #	CRB

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DAYTON TECHNOLOGIES	
MONROE, OH	COPYRIGHT 2000
NAME:	143.000 DH
DWN BY:	CRB 8/9/2000
CHKD BY:	
DWG NO:	143000DH-NC.xls

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
F	CONVERTED TO ONE PAGE FORMAT	05/06/27	BWB

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



CURRENT REV OF DECEUNINCK NORTH AMERICA PRODUCT DEVELOPMENT DWG NUMBER 'STD0002' TYPE 5.

CURRENT REV OF DECEUNINCK NORTH AMERICA PRODUCT DEVELOPMENT DWG NUMBER 'STD0001'

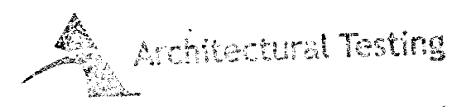
CURRENT REV OF DECEUNINCK NORTH AMERICA PRODUCT DEVELOPMENT DWG NUMBER 'STD0002' TYPE 1.

NOTES:

- PERFECT FORM NOT REQUIRED AT MMC.
- UNLESS OTHERWISE SPECIFIED

	.040	A/B
	.020	A/B

 ALL OVER EXCEPT INTERNAL HOLLOWES.
- ALL BASIC DIMENSIONS INCORPORATED IN ENGINEERING CAD FILE.
- PROFILE OF A SURFACE FEATURE CONTROLS ARE OVER 1" UNIT LENGTH BASIC.
- SEE CURRENT REV OF DNA INF NI-FOR EXPLANATION OF PART IDENTIFICATION NUMBERS.
- SEE CURRENT REV OF DNA PRODUCT DEVELOPMENT DWG NUMBER 'STD00013' STRAIGHTNESS CLASS A AND LENGTH TOLERANCES APPLY.
- DIM "A" IS LENGTH OF PART PER 'STD00013' AND CAN BE ANY NUMERIC CHARACTER.
- SPECIFICATION 10008689 REV NEW APPLIES.
- PACKAGING ARRANGEMENT 10008689PA REV NEW APPLIES.
- UNSPECIFIED EXTERNAL RADII = CR, +.020 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- UNSPECIFIED INTERNAL RADII = CR, +.020 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- UNSPECIFIED EXTERNAL WALL THICKNESS = .056-.068
- UNSPECIFIED INTERNAL THICKNESS = .040-.060

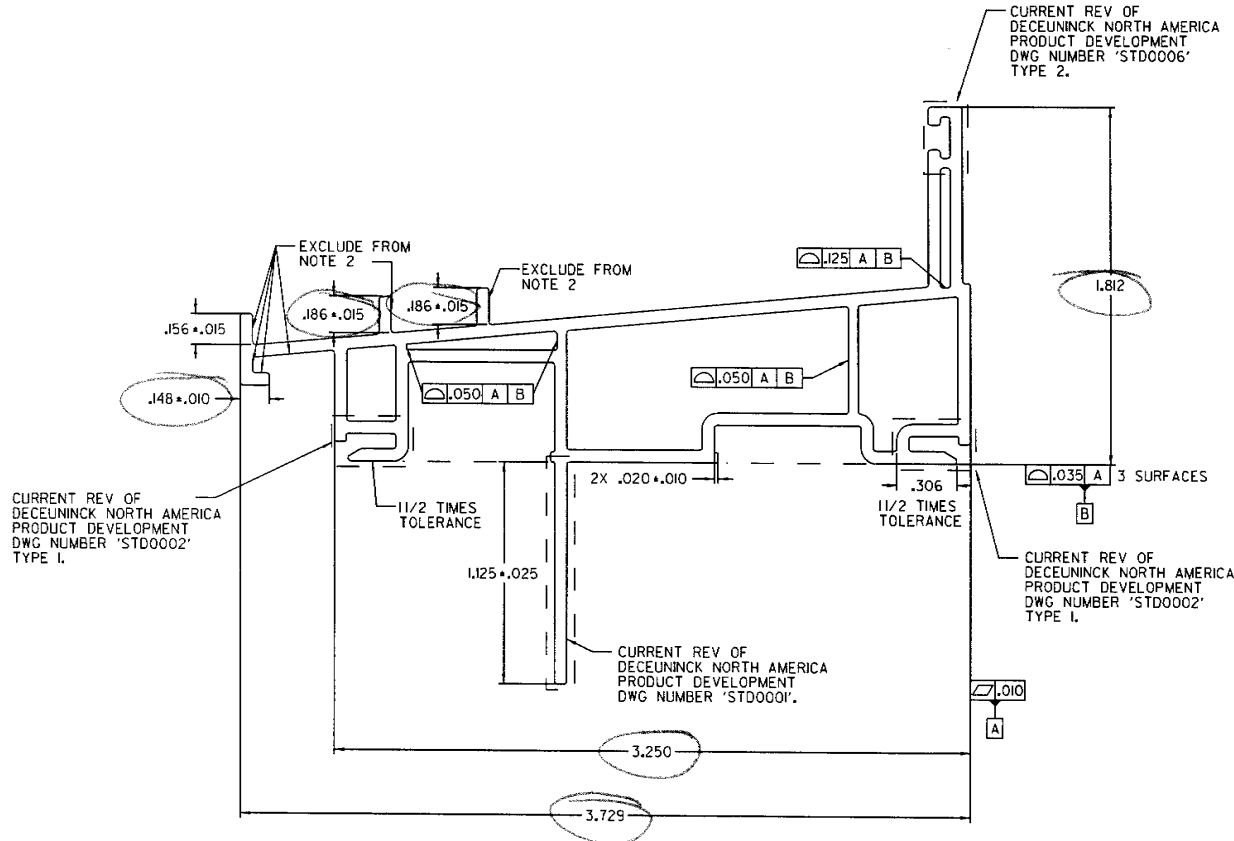


Test sample complies with these details.
Deviations are noted.
Report# 74670.01-501-47
Date 7-18-07 Tech CAE

<p>CONFIDENTIAL</p> <p>UNPUBLISHED WORK © DECEUNINCK NORTH AMERICA</p> <p>THIS DOCUMENT CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION. DO NOT COPY OR DISCLOSE THIS INFORMATION WITHOUT THE EXPRESS WRITTEN CONSENT OF DECEUNINCK NORTH AMERICA. DECEUNINCK NORTH AMERICA RESERVES THE RIGHT TO CHANGE THIS DRAWING AND ANY ASSOCIATED DOCUMENTS.</p>	UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLES = 1° 2 PL: = 0.010* 3 PL: = 0.005* INTERPRET DIM AND TOL PER ASME Y14.5M - 1994	DESIGN BY: CRB	<p>deceuninck </p> <p>NORTH AMERICA</p> <p>351 NORTH OBER ROAD MONROE, OHIO 45050</p>
	THIRD ANGLE PROJECTION	DATE: 00/05/11	
		DRAWN BY: JOE L	
		DATE: 04/03/15	
	AUTH: DATE:	FILENAME: 10008689.sh.DGN	NAME: DOUBLE HUNG HEAD FRAME
	AUTH: DATE:	SCALE: 2:1 (LBS/FT.) .700	REV: F
	AUTH: DATE:	SHEET: 1 OF 1	

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
G	CHANGE TO SINGLE SHEET FORMAT	05/06/30	JCM

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



Test sample complies with these details.
Deviations are noted.

Report# 74670.01-501-47
Date 7-18-07 Tech CAE

NOTES:

1. PERFECT FORM NOT REQUIRED AT MMC.

2. UNLESS OTHERWISE SPECIFIED $\begin{matrix} \Delta & .040 & A & B \\ \angle & .020 & A & B \end{matrix}$ ALL OVER EXCEPT INTERNAL HOLLOW.

- 3. ALL BASIC DIMENSIONS INCORPORATED IN ENGINEERING CAD FILE.
- 4. PROFILE OF A SURFACE FEATURE CONTROLS ARE OVER 1" UNIT LENGTH BASIC.
- 5. SEE CURRENT REV OF DNA INF NI-FOR EXPLANATION OF PART IDENTIFICATION NUMBERS.
- 6. SEE CURRENT REV OF DNA PRODUCT DEVELOPMENT DWG. NUMBER 'STDO0013' STRAIGHTNESS CLASS A AND LENGTH TOLERANCES APPLY.
- 7. DIM 'A' IS LENGTH OF PART PER 'STDO013' AND CAN BE ANY NUMERIC CHARACTER.
- 8. SPECIFICATION 10008673 REV NEW APPLIES.
- 9. PACKAGING ARRANGEMENT 10008673PA REV NEW APPLIES.
- 10. UNSPECIFIED EXTERNAL RADII = CR .015 ± .010 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- 11. UNSPECIFIED INTERNAL RADII = CR .015 ± .020 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- 12. UNSPECIFIED EXTERNAL WALL THICKNESS = .052 - .072
- 13. UNSPECIFIED INTERNAL THICKNESS = .040-.060

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UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLES ± 1°
2 PL: ± 0.010" 3 PL: ± 0.005"
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994

THIRD ANGLE PROJECTION



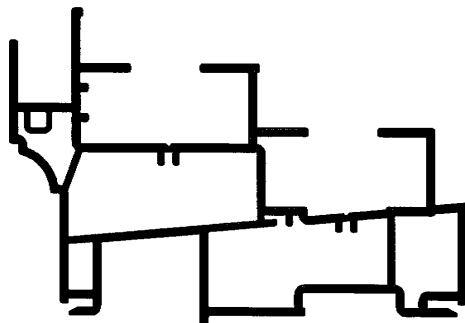
DESIGN BY:	JOE L
DATE:	99/06/04
DRAWN BY:	JOE L
DATE:	02/07/22
AUTH:	DATE:
AUTH:	DATE:
AUTH:	DATE:
FILENAME:	10008673.SH.DGN



351 NORTH CLEVELAND ROAD
MORFHE, OHIO 43050

NAME:
SILL FRAME - SH/DH

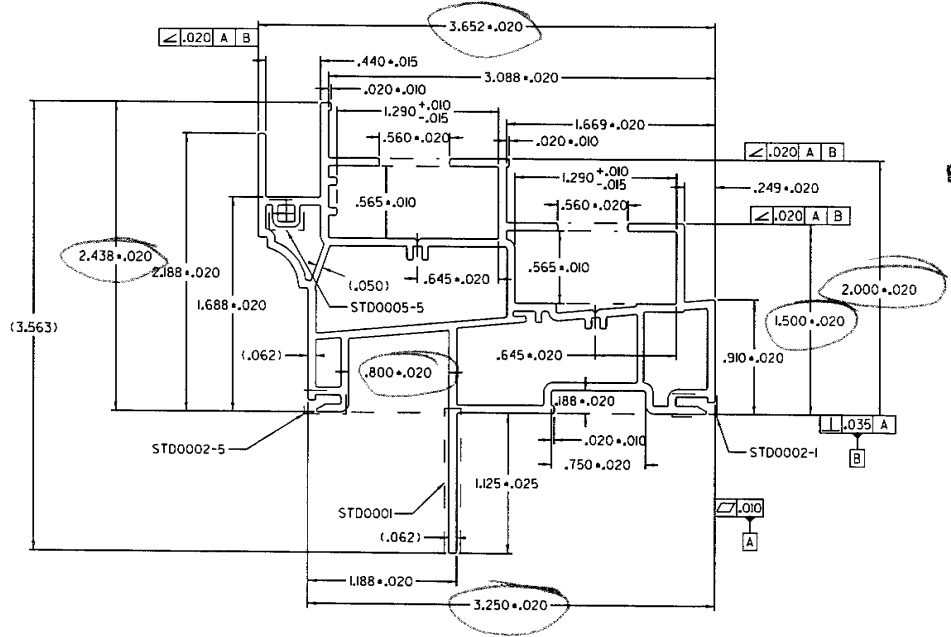
SIZE DWG. NO:	10008673.SH	REV.	G
SCALE:	2x (LBS/FT.)	.579	SHEET: 1 OF 1



SCALE 1:1

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
H	CHANGED TO ONE PAGE FORMAT	05/07/09	BWB
J	GDT-3	06/07/06	BWB



Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# 74670.01-501-47
 Date 7-18-07 Tech CAE


- NOTES:
- 'STD00013' STRAIGHTNESS CLASS A AND LENGTH TOLERANCES APPLY
 - INTERPRET ALL TOLERANCE APPLICATIONS PER STD0013
 - UNSPECIFIED EXTERNAL RADI = .XXX ± .010 / -.005
 - UNSPECIFIED INTERNAL RADI = .XXX ± .020 / -.005
 - UNSPECIFIED EXTERNAL WALL THICKNESS = .XXX +/- 10%
 - UNSPECIFIED INTERNAL WALL THICKNESS = .XXX +/- 20%

CONFIDENTIAL UNPUBLISHED WORK © DECEUNINCK NORTH AMERICA	UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLES = 1° 2 PL: = 0,010° 3 PL: = 0,005° INTERPRET DIM AND TOL PER ASME Y14.5M - 1994	DESIGN BY: CRB DATE: 00/05/11 DRAWN BY: TJH DATE: 03/07/30 AUTH: DATE: AUTH: DATE: AUTH: DATE: FILENAME: 10008688.sh.DGN	deceuninck NORTH AMERICA 351 NORTH GREEN ROAD MONROE, OHIO 45050
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1/26/2007
uswty
H:\pdr\msv\ITEM DETAIL PRINTS\8688\10008688.sh.DGN

000.095 DH SASH - BILL OF MATERIALS

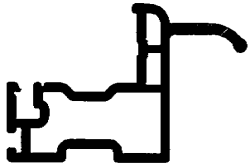
ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	SOURCE
26	TOP LIFT RAIL	1	10008840	10008840F01	A
27	KEEPER RAIL	1	10008890	P8890-F-01	A
28	LOCK RAIL	1	10008844	P8854-F-01	A
29	BOTTOM LIFT RAIL	1	10008840	P8850-F-02	A
30	STILE	4	10008842	P8852-F-09	A
31	TOP LIFT RAIL - EGRESS TOP LIFT RAIL	1	10008884	10008884F01	A
32	BULB SEAL	1	P8206 / P8202	P8206-F-01 / P8202-F-01	A
33	INTERLOCK GLAZING BEAD	1	P5551	P5551-F-01	A
34	GLAZING BEAD	7	P8127 10005470	P8127-F-01	A
35					
36	SASH REINFORCEMENT (ALUM.)	AS REQ'D	A6202	A6202-F-01	
37	CENTER FIN WEATHERSTRIPPING	AS REQ'D	.187 BK. X .290 HT.	AT DT	
38	LOCK/CAM - NO NIBS	1 OR 2	L20010001R01		D
39	LOCK/CAM - NESTING NIBS	1 OR 2	L20110001R01		D
40	KEEPER	1 OR 2	12912		D
41	TILT LATCH ASSEMBLY	4	78045 / 78145		D
42	PIVOT BAR - "L" SHAPED LOCK IN	4	13036		D
43	OPTIONAL PIVOT BAR - STRAIGHT LOCK IN	4	12310 (WILL REQ. DIFFERENT FAB)		D
44	3/4" INSULATED GLASS	2			
45	SETTING BLOCKS (REFER TO IG SUPPLIER GUIDELINES)	AS REQ'D	1/8" x 3/4"		W
46	GLAZING COMPOUND	AS REQ'D			
47	LOCK SCREW	2 OR 4	#8 x 3/4 PAINTED PFH		B, Z
48	KEEPER SCREW	2 OR 4	#6 x 3/4 PAINTED PFH		B
49	PIVOT BAR SCREW	8	#8 x 3/8 PPH		B, Z
50	NIGHT LATCH / VENT STOP - DELUXE	2			D
51	OPTIONAL SASH STOP	4	10008489		A
52	OPTIONAL BALANCE COVER	2	P5109		A


Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 01-20-2004
 Tech: CALE

Rev	Date	Description	By

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DAYTON TECHNOLOGIES	
MONROE, OH	COPYRIGHT 2004
NAME:	000.095 DH
DWN BY:	CRB 5/2/2004
CHKD BY:	
DWG NO:	000095DH.xls

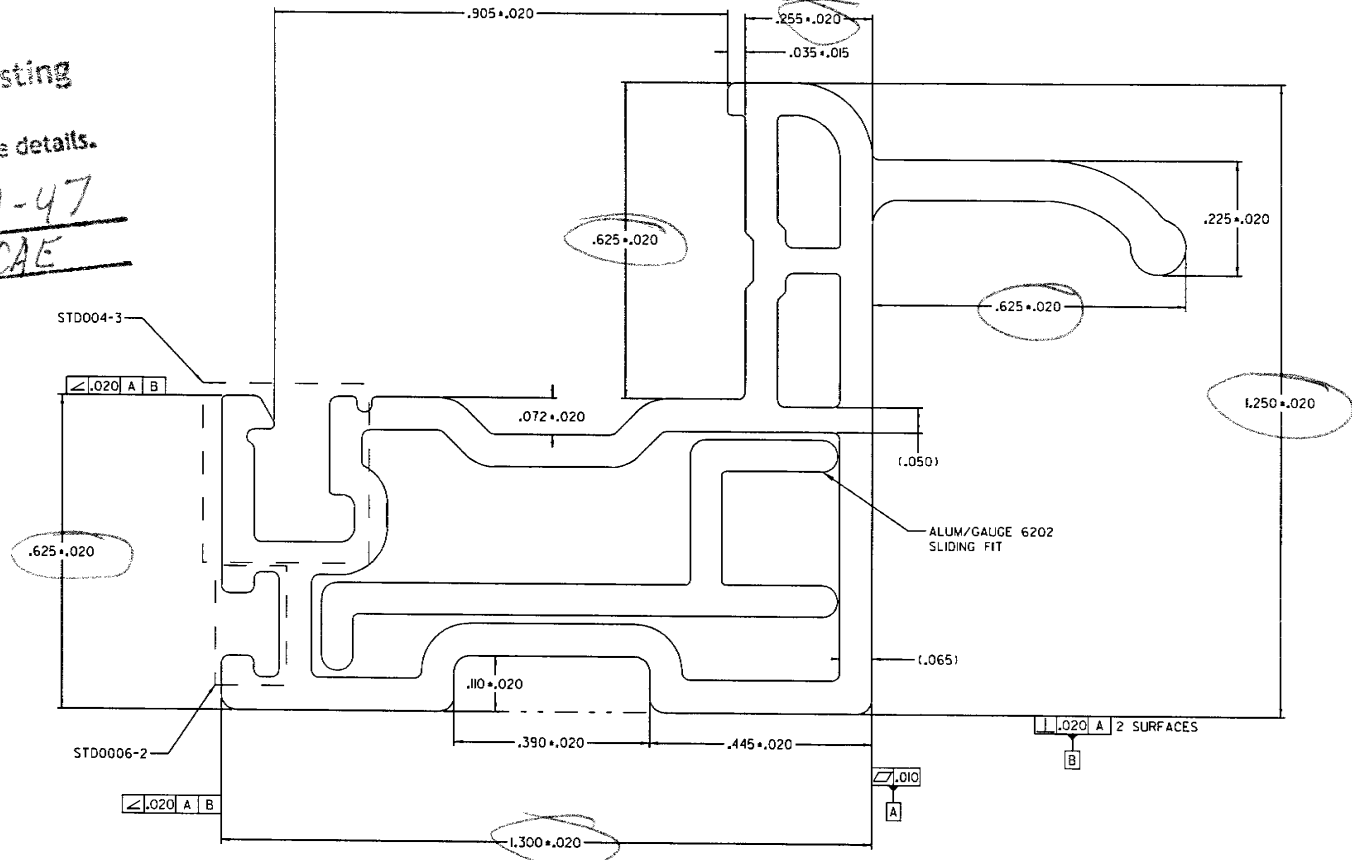


SCALE 1:1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
E	CHANGED TO ONE PAGE PRINT	05/07/27	JGM
F	CHANGED TO GDT-3 PRINT	06/04/21	BWB

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# 74670.01-501-47
 Date 7-18-07 Tech CAE



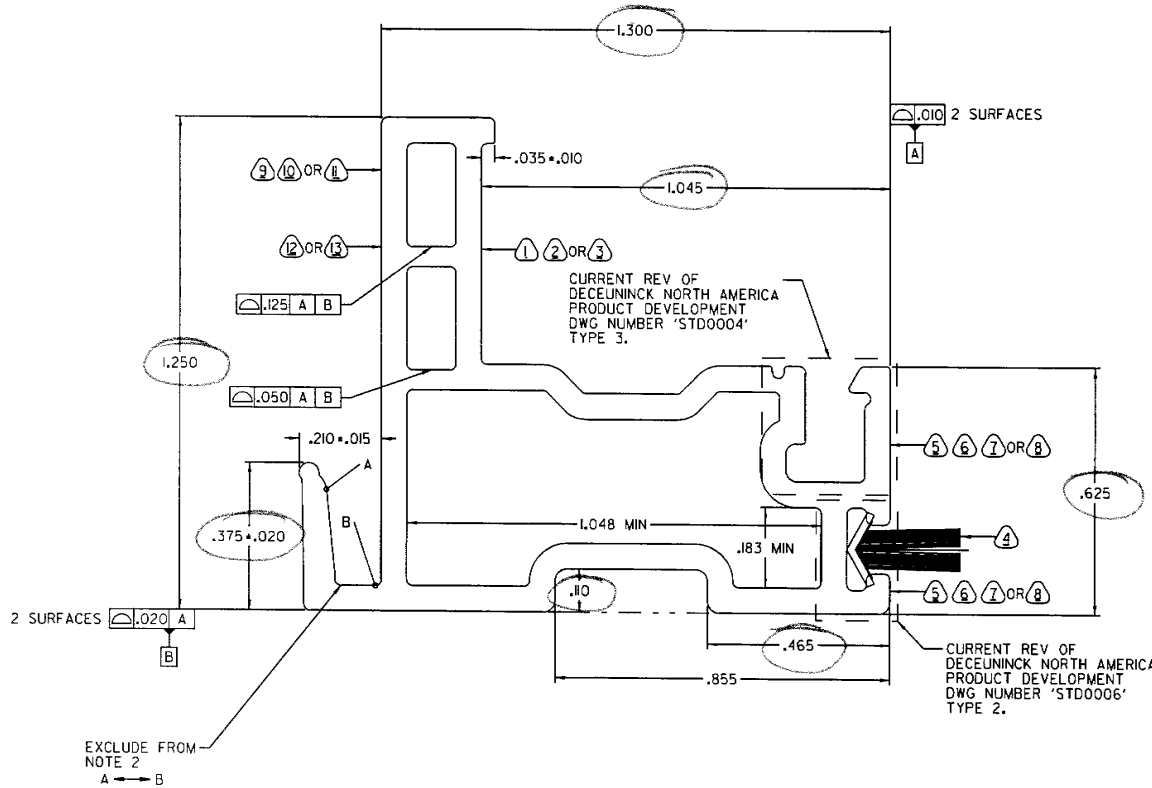
- NOTES:
- 'STD00013' STRAIGHTNESS CLASS C AND LENGTH TOLERANCES APPLY
 - UNSPECIFIED EXTERNAL RADII = .XXX ± .010 / -.005
 - UNSPECIFIED INTERNAL RADII = .XXX ± .020 / -.005
 - UNSPECIFIED EXTERNAL WALL THICKNESS = .XXX +/- 10%
 - UNSPECIFIED INTERNAL WALL THICKNESS = .XXX +/- 20%

CONFIDENTIAL UNPUBLISHED WORK © 2005 DECEUNINCK NORTH AMERICA	UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLES = 1° 2 PL: = 0.010" 3 PL: = 0.005" INTERPRET DIM AND TOL PER ASME Y14.5M - 1994	DESIGN BY: CRB DATE: 03/11/07 DRAWN BY: CRB DATE: 03/11/07 AUTH: DATE: AUTH: DATE: AUTH: DATE: AUTH: DATE: FILENAME: 10008840.SH.dgn	deceuninck NORTH AMERICA 351 NORTH GARBER ROAD MONROE, OHIO 45060
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1/26/2007 uswfy H:\pdx\msvb\ITEM DETAIL PRINTS\8840\10008840.SH.dgn

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
K	CHANGE TO SINGLE SHEET FORMAT	05/07/27	JCM

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



Test sample complies with these details.
Deviations are noted.

Report# 74670.01-501-47
Date 7-18-07 Tech CAE

NOTES:

1. PERFECT FORM NOT REQUIRED AT MMC.

2. UNLESS OTHERWISE SPECIFIED $\sqrt{.040 \text{ A|B}}$ $\sqrt{.020 \text{ A|B}}$ ALL OVER EXCEPT INTERNAL HOLLOW.

- ALL BASIC DIMENSIONS INCORPORATED IN ENGINEERING CAD FILE.
- PROFILE OF A SURFACE FEATURE CONTROLS ARE OVER 1" UNIT LENGTH BASIC.
- SEE CURRENT REV OF DNA INF NI-FOR EXPLANATION OF PART IDENTIFICATION NUMBERS.
- SEE CURRENT REV OF DNA PRODUCT DEVELOPMENT DWG. NUMBER 'STD00013' STRAIGHTNESS CLASS C AND LENGTH TOLERANCES APPLY.
- DIM 'A' IS LENGTH OF PART PER 'STD00013' AND CAN BE ANY NUMERIC CHARACTER.
- SPECIFICATION 10008890 REV NEW APPLIES.
- PACKAGING ARRANGEMENT 10008890A REV NEW APPLIES.
- UNSPECIFIED EXTERNAL RADI = CR .015 +.010 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- UNSPECIFIED INTERNAL RADI = CR .015 +.020 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- UNSPECIFIED EXTERNAL WALL THICKNESS = .055 - .075
- UNSPECIFIED INTERNAL THICKNESS = .040 - .060
- △ = FIND NUMBER RELATING TO THE PARTS LIST.

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UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLES * 1°
2 PL: * 0.010* 3 PL: * 0.005*
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994

THIRD ANGLE PROJECTION



DESIGN BY:	RH
DATE:	94/02/14
DRAWN BY:	CRB
DATE:	03/02/24
AUTH:	DATE:
AUTH:	DATE:
AUTH:	DATE:
FILENAME:	10008890.SH.dgn

SEE SEPARATE PARTS LIST

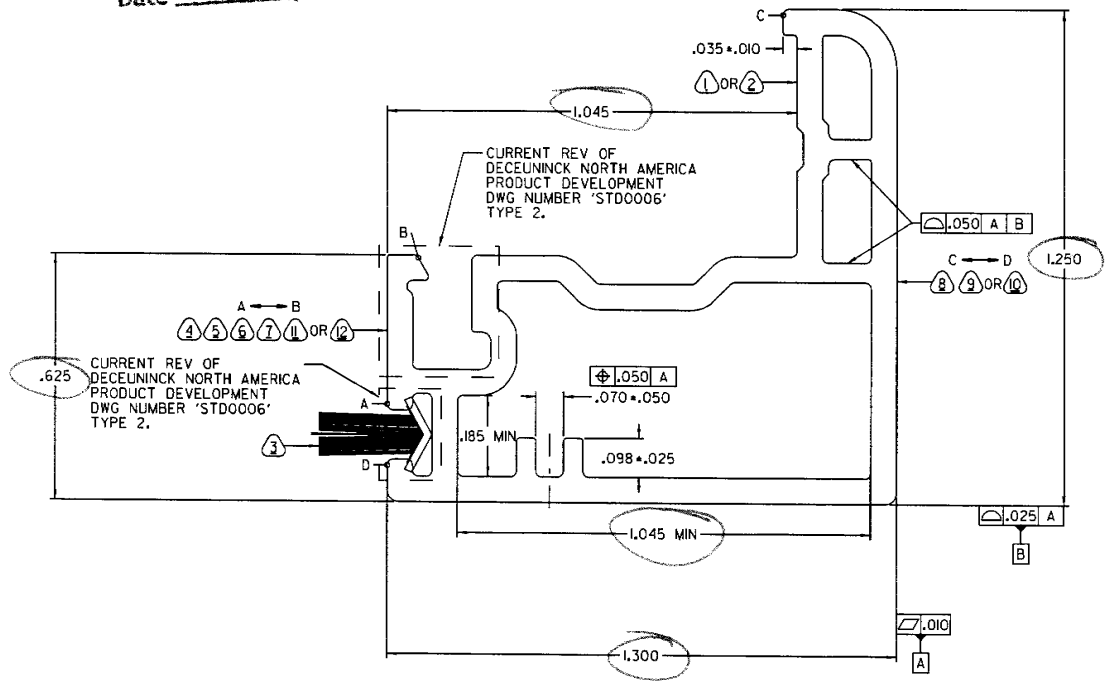
deceuninck NORTH AMERICA		351 NORTH 206 th AVE. ROAD MORRIS, OHIO 43850
NAME: KEEPER SASH		
SIZE DWG. NO:	10008890.SH	REV. K
SCALE: 4 : 1 (LBS/FT.)	.257	SHEET: 1 OF 1

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
B	CHANGE TO SINGLE SHEET FORMAT	05/09/01	JGM

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



Test sample complies with these details.
Deviations are noted.
Report# 74670.01-501-47
Date 7-18-07 Tech CAE



- NOTES:
- PERFECT FORM NOT REQUIRED AT MMC.
 - UNLESS OTHERWISE SPECIFIED $\begin{matrix} \square & .040 & A|B \\ \triangleleft & .020 & A|B \end{matrix}$ ALL OVER EXCEPT INTERNAL HOLLOW.
 - ALL BASIC DIMENSIONS INCORPORATED IN ENGINEERING CAD FILE.
 - PROFILE OF A SURFACE FEATURE CONTROLS ARE OVER 1" UNIT LENGTH BASIC.
 - SEE CURRENT REV OF DNA INF NI-FOR EXPLANATION OF PART IDENTIFICATION NUMBERS.
 - SEE CURRENT REV OF DNA PRODUCT DEVELOPMENT DWG NUMBER 'STD0003' STRAIGHTNESS CLASS A AND LENGTH TOLERANCES APPLY.
 - DIM 'A' IS LENGTH OF PART PER 'STD0003' AND CAN BE ANY NUMERIC CHARACTER.
 - SPECIFICATION 10008844 REV NEW APPLIES.
 - PACKAGING ARRANGEMENT 10008844PA REV NEW APPLIES.
 - UNSPECIFIED EXTERNAL RADI = CR .015 ± .010 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
 - UNSPECIFIED INTERNAL RADI = CR .015 ± .020 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
 - UNSPECIFIED EXTERNAL WALL THICKNESS = .055 - .075
 - UNSPECIFIED INTERNAL THICKNESS = .040 - .060
 - △ = FIND NUMBER RELATING TO THE PARTS LIST.

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UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLES = 1°
2 PL: ± 0.010 3 PL: ± 0.005*
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

DESIGN BY: CRB
DATE: 03/11/06
DRAWN BY: CRB
DATE: 03/11/06
AUTH: DATE:
AUTH: DATE:
AUTH: DATE:
FILENAME: 10008844.SH.dgn

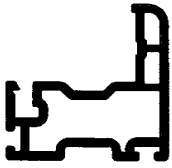
SEE SEPARATE PARTS LIST

deceuninck NORTH AMERICA
351 NORTH CRYSTAL DRIVE ROAD
MONROE, OHIO 45050

NAME: LOCK SASH

SIZE DWG. NO: 10008844.SH REV. B
SCALE: 4 : 1 (LBS/FT.) .234 SHEET: 1 OF 1

1/26/2007 usmty H:\p4\msv8\ITEM DETAIL PRINTS\8844\10008844_SH.dgn

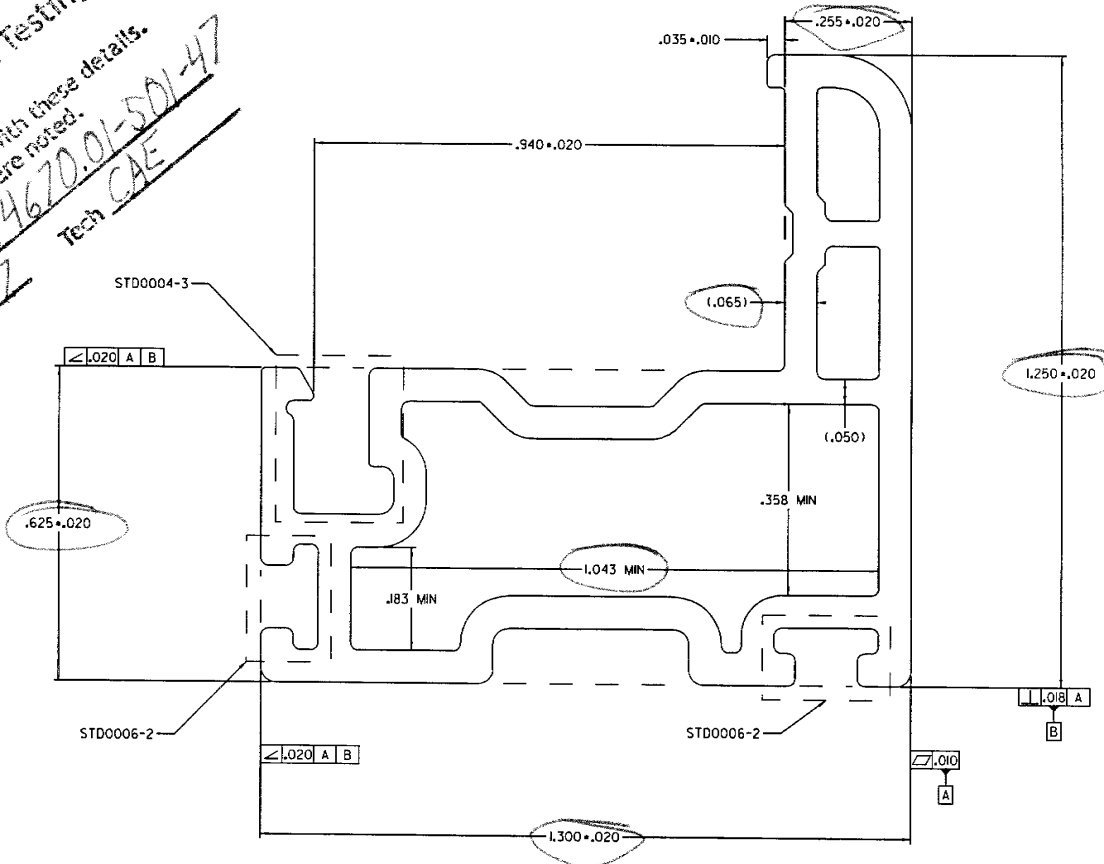


SCALE 1:1

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE TO SINGLE SHEET FORMAT	05/07/27	JGM
D	GDT-3	06/08/01	BWB

Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 CAE
 Report # 76
 Date 7-18-07
 74670.01-501-47
 Tech CAE



NOTES:

1. 'STD00013' STRAIGHTNESS CLASS C AND LENGTH TOLERANCES APPLY
2. INTERPRET ALL TOLERANCE APPLICATIONS PER STD0013
3. UNSPECIFIED EXTERNAL RADII = .XXX +.010 / -.005
4. UNSPECIFIED INTERNAL RADII = .XXX +.020 / -.005
5. UNSPECIFIED EXTERNAL WALL THICKNESS = .XXX +/- 10%
6. UNSPECIFIED INTERNAL WALL THICKNESS = .XXX +/- 20%

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UNLESS OTHERWISE SPECIFIED
 DIM ARE IN INCHES
 TOL ON ANGLES ± 1°
 2 PL: ± 0.010° 3 PL: ± 0.005°
 INTERPRET DIM AND TOL PER
 ASME Y14.5M - 1994

THIRD ANGLE PROJECTION



DESIGN BY:	CRB
DATE:	03/11/06
DRAWN BY:	CRB
DATE:	03/11/06
AUTH:	DATE:
AUTH:	DATE:
AUTH:	DATE:
FILENAME:	10008842.SH.dgn



NAME:		MAIN SASH	
SIZE DWG. NO:	B	10008842.SH	REV. D
SCALE:	4 : 1 (LBS/FT.)	.242	SHEET: 1 OF 1

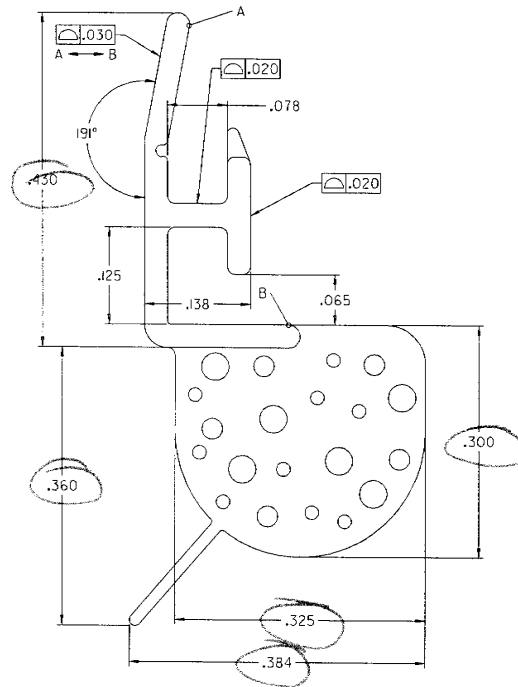
1/26/2007

uswfy

H:\pdc\msvb\ITEM DETAIL PRINTS\8842\10008842.SH.dgn

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
G	CHANGED TO SINGLE PAGE FORMAT	05/10/10	BWB

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



Architectural Testing
 Test sample complies with these details.
 Deviations are noted.
 Report# 74670.01-501-47
 Date 7-18-07 Tech CAE

NOTES:

1. PERFECT FORM NOT REQUIRED AT MMC.

2. UNLESS OTHERWISE SPECIFIED $\sqrt{.040}$ A/B $\sqrt{.020}$ A/B ALL OVER EXCEPT INTERNAL HOLLOW.

- 3. ALL BASIC DIMENSIONS INCORPORATED IN ENGINEERING CAD FILE.
- 4. PROFILE OF A SURFACE FEATURE CONTROLS ARE OVER 1" UNIT LENGTH BASIC.
- 5. SEE CURRENT REV OF DNA INF NI-FOR EXPLANATION OF PART IDENTIFICATION NUMBERS.
- 6. SEE CURRENT REV OF DNA PRODUCT DEVELOPMENT DWG. NUMBER.
- 7. DIM "A" IS LENGTH OF PART PER "ST0003" AND CAN BE ANY NUMERIC CHARACTER.
- 8. SPECIFICATION 10008206 REV NEW APPLIES.
- 9. PACKAGING ARRANGEMENT 0008206PA REV NEW APPLIES.
- 10. UNSPECIFIED EXTERNAL RADIUS = CR .015 +.010 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- 11. UNSPECIFIED INTERNAL RADIUS = CR .015 +.020 / -.005 WHEN VIEWED WITHOUT MAGNIFICATION.
- 12. UNSPECIFIED EXTERNAL WALL THICKNESS = .025 - .035
- 13. \odot = FIND NUMBER RELATING TO THE PARTS LIST.

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UNLESS OTHERWISE SPECIFIED
 DIM ARE IN INCHES
 TOL ON ANGLES ± 1°
 2 PL: ± 0.010" 3 PL: ± 0.005"
 INTERPRET DIM AND TOL PER
 ASME Y14.5M - 1994

THIRD ANGLE PROJECTION



DESIGN BY:	JOE L
DATE:	97/06/12
DRAWN BY:	JOE L
DATE:	97/06/12
AUTH:	DATE:
AUTH:	DATE:
AUTH:	DATE:
FILENAME:	10008206_sh.dgn

SEE SEPARATE PARTS LIST

deceuninck 
 NORTH AMERICA
 351 NORTH COLUMBIAN ROAD
 MONROE, OHIO 45050

NAME:		BULB SEAL	
SIZE DWG. NO:	10008206_S-I	REV:	G
SCALE:	8 : 1 (LBS/FT.)	SHEET:	1 OF 1



SCALE 1:1



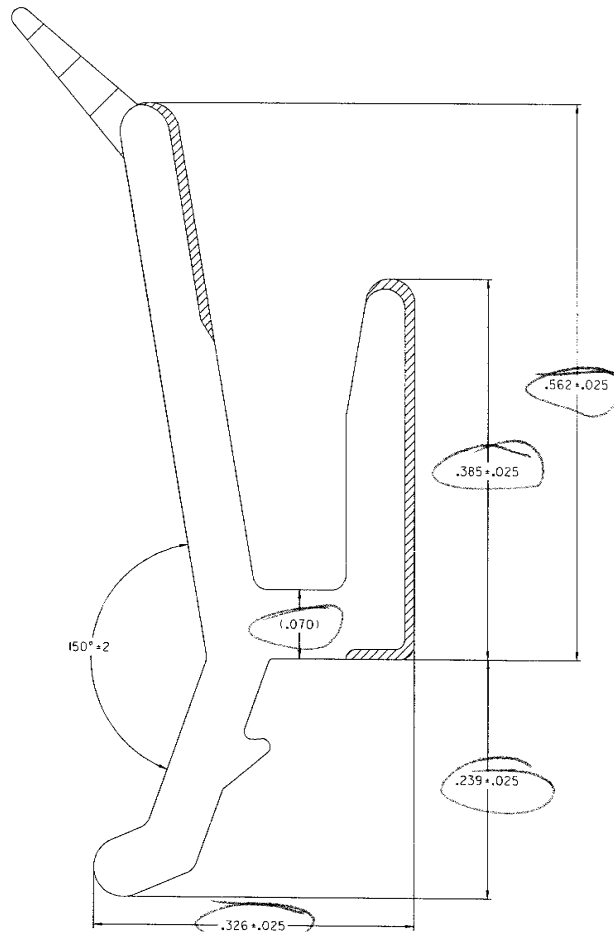
Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 74670.01-501-47

Date 7-18-07 Tech CAE

CAPSTOCK =



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
U	GDT-3	06/09/27	BWB

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

NOTES:

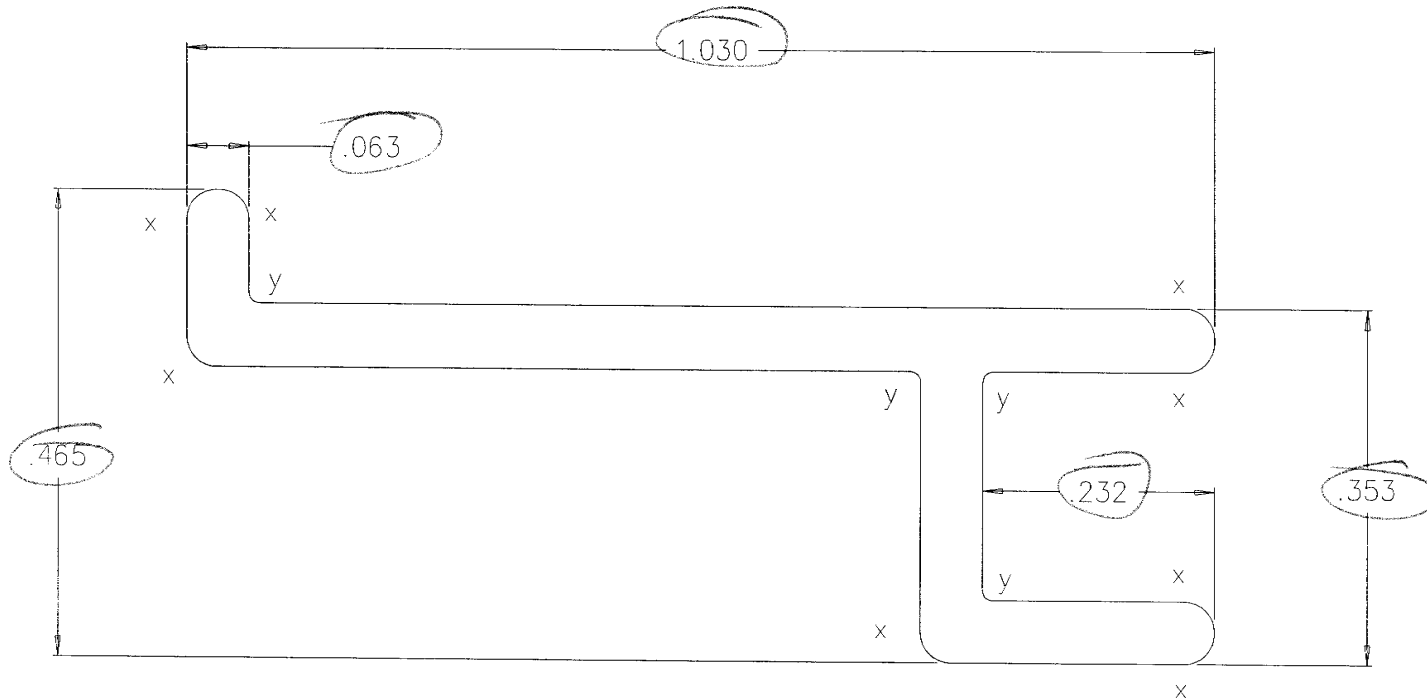
1. 'STD00013' STRAIGHTNESS CLASS E AND LENGTH TOLERANCES APPLY
2. INTERPRET ALL TOLERANCE APPLICATIONS PER STD0013
3. UNSPECIFIED EXTERNAL RADIUS = .XXX +.010 / -.005
4. UNSPECIFIED INTERNAL RADIUS = .XXX +.020 / -.005
5. UNSPECIFIED EXTERNAL WALL THICKNESS = .XXX +/- 10%
6. UNSPECIFIED INTERNAL WALL THICKNESS = .XXX +/- 20%

CONFIDENTIAL UNPUBLISHED WORK © DECEUNINCK NORTH AMERICA	UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLES ± 1° 2 PL: ± 0.010° 3 PL: ± 0.005° INTERPRET DIM AND TOL PER ASME Y14.5M - 1994	DESIGN BY: MAB DATE: 88/10/11 DRAWN BY: MAB DATE: 88/10/11 AUT: DATE: AUTH: DATE: AUTH: DATE:	deceuninck NORTH AMERICA 351 NORTH ZEEBBER ROAD MONROE, OHIO 45050
	THIS DOCUMENT CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION. DO NOT COPY OR DISCLOSE THIS INFORMATION WITHOUT THE EXPRESS WRITTEN CONSENT OF DECEUNINCK NORTH AMERICA. DECEUNINCK NORTH AMERICA RESERVES THE RIGHT TO CHANGE THIS DRAWING AND ANY ASSOCIATED DOCUMENTS.	THIRD ANGLE PROJECTION 	
NAME: INTERLOCK GLAZING BEAD			SIZE DWG. NO: 10005551.SH
SCALE: 8 : 1 (LBS/FT.) .053			REV: U
SHEET: 1 OF 1			

6/71/2007

usw/ty

H:\p\d\m\8\ITEM DETAIL PRINTS\5551\10005551.SH.dgn



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 74670.01-501-47
Date 7-18-07 Tech CAE

DAYTON EXTRUDED PLASTICS	
SPRINGBORO, OHIO	Copyright 1994
NAME:	0093 SASH REINFORCEMENT
MATERIAL(S):	ALUMINUM
DRAWN BY:	DAS
CHECKED BY:	
SCALE:	5 : 1 "A"
CUST PART NO:	6202
DATE:	3/22/94
DATE:	
PART DWG. NO:	A6202
DIE NO:	6202

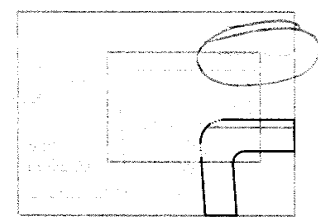
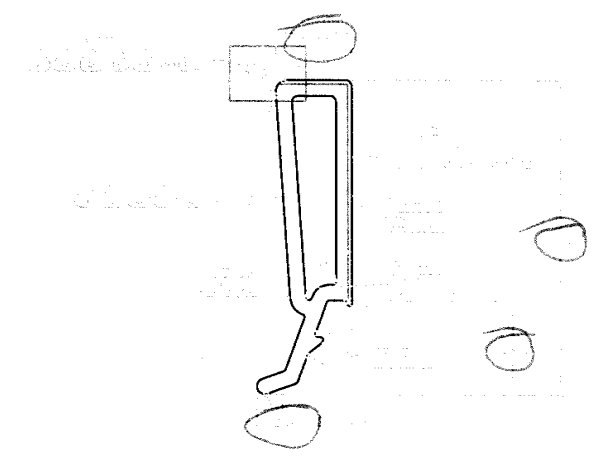
Area :	.103 Sq. In.
Weight :	.123 Lb./Ft.

Standard Commercial Tolerances
Apply Unless Otherwise Noted

- Notes:
1) "x" = .030" radius
2) "y" = .010" radius

Project Information		
Project Name	Project Number	Project Location
Client Name	Client Address	Client Phone
Project Start Date	Project End Date	Project Status

1000 University Avenue, Suite 1000
 San Francisco, CA 94102



Architectural Testing

Test sample complies with these details.
 Deviations are noted.

Report# 74670.01-S01-47
 Date 7-18-07 Tech CAE

1. The test sample was prepared in accordance with the details shown on the drawings. The test results are as follows:

2. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

3. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

4. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

5. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

6. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

7. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

8. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

9. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

10. The test sample was tested in accordance with the test method specified in the test plan. The test results are as follows:

SEE SEE WASTE P-001-001

Project Name Project Number Project Location Client Name Client Address Client Phone Project Start Date Project End Date Project Status	Test Method Test Plan Test Results Test Date Test Location Test Technician	deceuninck NORTH AMERICA 1000 University Avenue, Suite 1000 San Francisco, CA 94102 (415) 774-1000 www.deceuninck.com
	Test Method Test Plan Test Results Test Date Test Location Test Technician	
Test Method Test Plan Test Results Test Date Test Location Test Technician	Test Method Test Plan Test Results Test Date Test Location Test Technician	Test Method Test Plan Test Results Test Date Test Location Test Technician