

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

**Rendered to:**

**AMERICAN WINDOW ALLIANCE, L.L.C.**

**SERIES/MODEL: Windgate / Belmont / Hawthorne Awning (Rev.Roll)  
PRODUCT TYPE: PVC Projected Awning Window**

Title	Summary of Results		
	Test Specimen #1	Test Specimen #2	Test Specimen #3
AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	AP-C50 1219 x 914 (48 x 36)	AP-C65 1219 x 914 (48 x 36)	AP-C90 914 x 610* (36 x 24*)
ANSI/AAMA/NWWDA 101/I.S.2-97 Rating	AP-C50 48 x 36	AP-C65 48 x 36	AP-C90 36 x 24*
Design Pressure	±2400 Pa (±50.16 psf)	±3120 Pa (±65.20 psf)	±4320 Pa (±90.28 psf)
Operating Force (in motion)	22 N (5 lbf)	N/A	N/A
Air Infiltration	0.15 L/s/m <sup>2</sup> (0.03 cfm/ft <sup>2</sup> )	N/A	N/A
Water Penetration Resistance Test Pressure	580 Pa (12.12 psf)	N/A	N/A
Uniform Load Structural Test Pressure	±3600 Pa (±75.24 psf)	±4680 Pa (±97.81 psf)	±6480 Pa (±135.42 psf)
Forced Entry Resistance	Grade 10	N/A	N/A

**Test Completion Date:** 03/23/09

Reference must be made to Report No. 90175.02-501-47, dated 06/17/09 for complete test specimen description and data.

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

Rendered to:

AMERICAN WINDOW ALLIANCE, L.L.C.  
 1239 Erie Street  
 North Kansas City, Missouri 64116

Report No.: 90175.02-501-47  
 Test Dates: 03/10/09  
 Through: 03/23/09  
 Report Date: 06/17/09  
 Revision 1: 02/17/10  
 Expiration Date: 03/23/13

**Project Summary:** Architectural Testing, Inc. was contracted by Deceuninck North America, LLC to witness testing on three Series/Model: 141.194 AW-003, PVC projected awning windows at the Deceuninck North America, LLC test facility in Monroe, Ohio. Test specimen description and results are reported herein. This report is a reissue of the original Report No. 90175.01-501-47. This report is reissued in the name of American Window Alliance, L.L.C. through written authorization of Deceuninck North America, LLC. 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/NWDA 101/I.S.2-97 Rating
1	AP-C50 1219 x 914 (48 x 36)	AP-C50 48 x 36
2	AP-C65 1219 x 914 (48 x 36)	AP-C65 48 x 36
3	AP-C90 914 x 610* (36 x 24*)	AP-C90* 36 x 24

**General Note:** An asterisk (\*) next to the size designation 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 specimen 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/NWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

**Test Specimen Description:**

**Series/Model:** Windgate / Belmont / Hawthorne Awning (Rev.Roll.)

**Product Type:** Poly Vinyl Chloride (PVC) Projected Awning Window

**Test Specimen #1:** AP-C50 1219 x 914 (48 x 36)

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

**Vent Size:** 1178 mm (46-3/8") wide by 872 mm (34-5/16") high

**Screen Size:** 1116 mm (43-15/16") wide by 811 mm (31-15/16") high

**Overall Area:** 1.1 m<sup>2</sup> (12.0 ft<sup>2</sup>)

**Reinforcement:** The sill contained two "U" shaped extruded aluminum reinforcements, reference Drawing No.10202004. The jambs contained one "U" shaped extruded aluminum reinforcement, reference Drawing No. 10202004.

**Test Specimen #2:** AP-C65 1219 x 914 (48 x 36)

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

**Vent Size:** 1178 mm (46-3/8") wide by 872 mm (34-5/16") high

**Screen Size:** 1116 mm (43-15/16") wide by 811 mm (31-15/16") high

**Overall Area:** 1.1 m<sup>2</sup> (12.0 ft<sup>2</sup>)

**Reinforcement:** The bottom rail contained two custom shaped extruded aluminum reinforcements, reference Drawing No. 1050006, and Drawing No. 10300091. The stiles contained an extruded aluminum reinforcement, reference drawing titled; MVW-S-1 (MODIFIED). The sill contained two "U" shaped extruded aluminum reinforcements, reference Drawing No.10202004. The jambs contained one "U" shaped extruded aluminum reinforcement, reference Drawing No. 10202004.

**Test Specimen Description:** (Continued)

**Test Specimen #3:** AP-C85 914 x 610\* (36 x 24\*)

**Overall Size:** 914 mm (36") wide by 610 mm (24") high

**Vent Size:** 873 mm (34-3/8") wide by 565 mm (22-1/4") high

**Screen Size:** 813 mm (32") wide by 505 mm (19-7/8") high

**Overall Area:** 0.6 m<sup>2</sup> (6.0 ft<sup>2</sup>)

**Reinforcement:** The sill contained two "U" shaped extruded aluminum reinforcements, reference Drawing No.10202004. The jambs contained one "U" shaped extruded aluminum reinforcement, reference Drawing No. 10202004.

*The following descriptions apply to all specimens.*

**Finish:** All PVC finish was white.

**Frame Construction:** The PVC frame was of mitered and welded corner construction.

**Vent Construction:** The PVC vent was of mitered and welded corner construction.

**Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.312" high vinyl jacket foam-filled leaf with kerf mount base	1 Row	Vent, exterior perimeter
0.280" high co-extruded flexible vinyl leaf	1 Row	Vent, perimeter
0.290" high co-extruded flexible vinyl bulb	1 Row	Vent, interior perimeter

**Test Specimen Description:** (Continued)

**Glazing Details:** The units were exterior glazed with nominal 3/4" thick sealed insulating glass fabricated from two sheets of 1/8" clear annealed glass separated by a butyl spacer system with aluminum substrate, single sealed. The insulated glass was set against a double-sided adhesive tape and secured with rigid vinyl glazing beads.

**Drainage:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
3/8" wide by 3/16" high weepslot	2	Bottom rail bottom surface, one at each end
3/8" wide by 3/16" high weepslot	2	Bottom rail glazing track, one at each end

**Hardware:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Multi point lock system with metal keepers (Test specimen #1 & #2)	2	Jamb/stile, with three keepers located on the vent at 3", 16-1/2", and 29" up from bottom
Multi-point lock system with metal keepers (Test specimen #3)	2	Jamb/stile, with two keepers located located on the vent at 3", and 18" up from bottom
Aluminum snubber (Drawing Nos. 10300094 and 10300095)	1 Pair	Head / top rail, at midspan
Single arm concealed hinge	2	One per jamb/stile
Dual arm rotary operator	1	Sill at midspan

**Screen Construction:** The screen frame was constructed from roll-formed aluminum with square-cut plastic corner keys. The mesh fabric was held in place with a flexible spline.

**Test Specimen Description:** (Continued)

**Installation:** The units were installed in wood bucks constructed from Spruce-Pine-Fir construction lumber and secured through the nail fin with #8 x 5/8" pan head screws spaced approximately 13" on center, and starting in each corner. The nail fin perimeter was sealed with a silicone sealant. A nominal 3/16" gap was maintained at the perimeter between the wood buck and the test frame.

**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>
<b><u>Test Specimen #1:</u></b> AP-C50 1219 x 914 (48 x 36)			
5.3.1	Operating Force per ASTM E 2068		
2.2.1.6.1	Initiate motion	36 N (8 lbf)	Report only
	Maintain motion	22 N (5 lbf)	45 N (10 lbf)
	Latches	N/A	100 N (22.5 lbf)
	Locks	22 N (5 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)	0.15 L/s/m <sup>2</sup> (0.03 cfm/ft <sup>2</sup> )	1.5 L/s/m <sup>2</sup> (0.3 cfm/ft <sup>2</sup> ) 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			
5.3.4.2	Uniform Load Deflection per ASTM E 33		See Note #2
2.1.4.1			
5.3.4.3	Uniform Load Structural per ASTM E 330		See Note #2
2.1.4.2			

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

**Test Results:** (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<b><u>Test Specimen #1:</u></b> AP-C50 1219 x 914 (48 x 36) (Continued)			
5.3.5 2.1.8	Forced Entry Resistance per ASTM F 588  Type: B	Grade: 10	
	Disassembly Test	No entry	No entry
	Tests B1 through B3	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
5.3.6.2 2.1.7	Thermoplastic Corner Weld Test	Meets as stated	Meets as stated
5.3.6.6.7 2.2.4.5.1	Awning, Hopper, Projected Hardware Load Test 140 N (30 lbf)	33.0 mm (1.30")	39.4 mm (1.54")

**Optional Performance**

4.4.2.6 4.3	Water Penetration Resistance per ASTM E 547 580 Pa (12.12 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 top rail) (Loads were held for 52 seconds)		
	2400 Pa (50.16 psf) (positive)	1.5 mm (0.06")	See Note #3
	2400 Pa (50.16 psf) (negative)	4.3 mm (0.17")	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.*

**Test Results:** (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<b><u>Test Specimen #1:</u></b> AP-C50 1219 x 914 (48 x 36) (Continued)			
<u>Optional Performance</u>			
4.4.2.6	Uniform Load Structural per ASTM E 330		
4.4.2	(Permanent sets were taken on the exterior top rail) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	<0.3 mm (<0.01")	1.8 mm (0.07") max.
	3600 Pa (75.24 psf) (negative)	0.3 mm (0.01")	1.8 mm (0.07") max.

**Test Specimen #2:** AP-C65 1219 x 914 (48 x 36)

Optional Performance

4.4.2.6	Uniform Load Deflection per ASTM E 330		
4.4.1	(Deflections were taken on the exterior top rail) (Loads were held for 52 seconds)		
	3120 Pa (65.20 psf) (positive)	1.5 mm (0.06")	See Note #3
	3120 Pa (65.20 psf) (negative)	3.8 mm (0.15")	See Note #3
4.4.2.6	Uniform Load Structural per ASTM E 330		
4.4.2	(Permanent sets were taken on the exterior top rail) (Loads were held for 10 seconds)		
	4680 Pa (97.81 psf) (positive)	<0.3 mm (<0.01")	1.8 mm (0.07") max.
	4680 Pa (97.81 psf) (negative)	0.3 mm (0.01")	1.8 mm (0.07") max.



**Test Results:** (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<b><u>Test Specimen #3:</u></b> AP-C90 914 x 610* (36 x 24*)			
<u>Optional Performance</u>			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the exterior top rail) (Loads were held for 52 seconds)		
	4320 Pa (90.28 psf) (positive)	3.3 mm (0.13")	See Note #3
	4320 Pa (90.28 psf) (negative)	9.1 mm (0.36")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the exterior top rail) (Loads were held for 10 seconds)		
	6480 Pa (135.42 psf) (positive)	0.5 mm (0.02")	1.3 mm (0.05") max.
	6480 Pa (135.42 psf) (negative)	0.3 mm (0.01")	1.3 mm (0.05") max.

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

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

**List of Official Observers:**

<u>Name</u>	<u>Company</u>
Dean Erbaugh James Grippo	Deceuninck North America, LLC Architectural Testing, Inc.

This report is reissued in the name of American Window Alliance, L.L.C. through written authorization of Deceuninck North America, LLC to whom the original report was rendered. The original Deceuninck North America, LLC Report No. is 90175.01-501-47.

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. If test specimen contains glazing, 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.

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James P. Grippo  
Technician

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Lynn George  
Director – Regional Operations

JPG:sld

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

Appendix-A: Alteration Addendum (1)

Appendix-B: Drawings (12)

### Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	06/17/09	N/A	Original report issue
1	02/17/10	Cover Page, Pages 1 through 8,	Changed rating from LC to C; Awning Hardware test (page 3) entered data for "C" rating; Downsized unit DP for '05 changed LC85 to C90; "Permanent Set" allowable changed

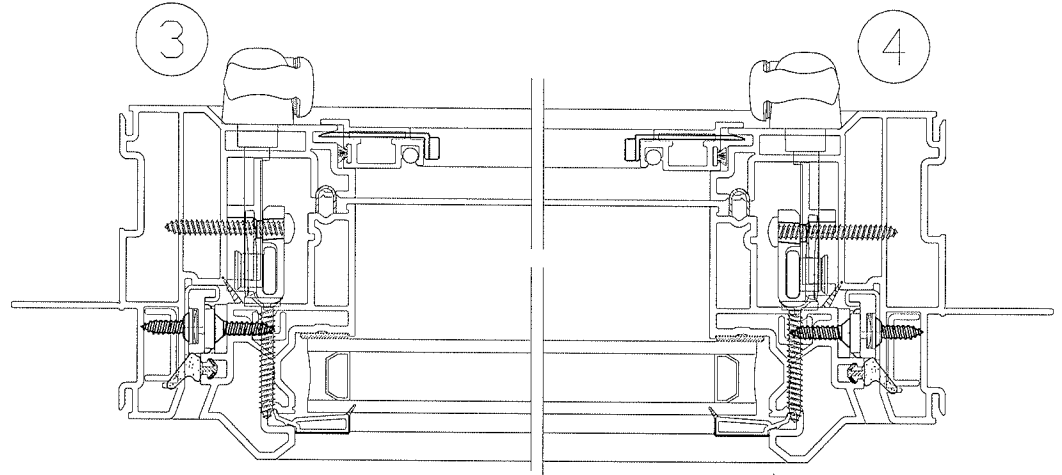
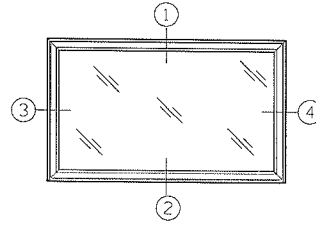
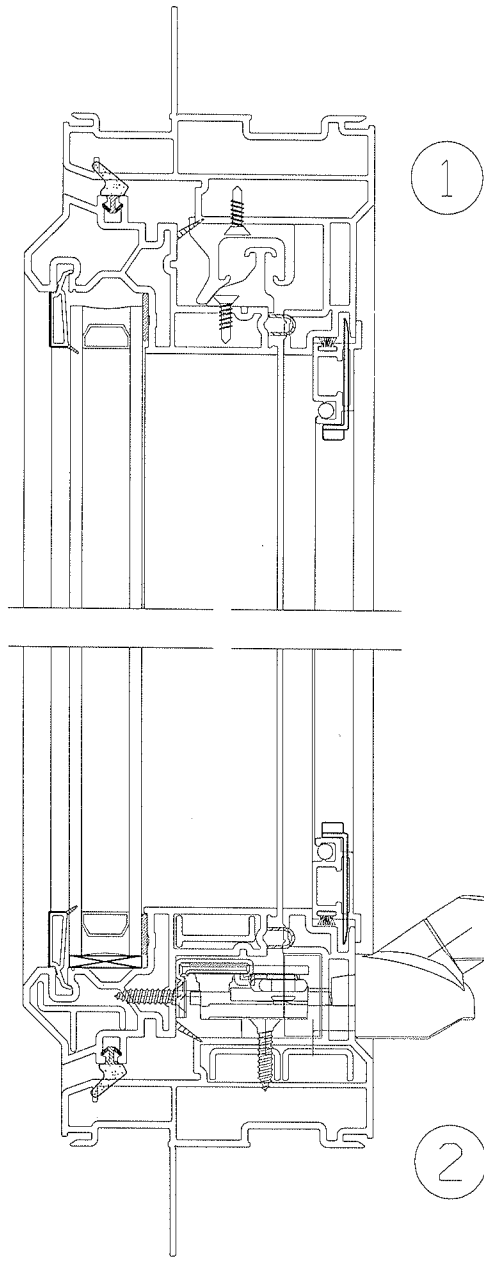
**Appendix A**  
**Alteration Addendum**

*Note: No alterations were required.*

## **Appendix B**

### **Drawings**

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



**Architectural Testing**

Test sample complies with these details.  
Deviations are noted.

Report# 90175  
Date 3/31/09 Tech JG

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		DATE: 99/12/95	
THIRD ANGLE PROJECTION 	FILENAME: 05493	DRAWN BY: JCM	SIZE DWG. NO: 14194AW-003 C
		DATE: 09/03/26	SCALE: 1/1 (LBS/FT.) SHEET:
		AUTH: DATE:	REV: NEW

3/26/2009 US/JCM \\monstr001\decefact\5\data\adgm\851493.dgn



Test sample complies with these details.  
Deviations are noted.

# 141.194 AW - 002 - BILL OF MATERIALS


Report# 90175  
Date 3/31/09 Tech 16

ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	SOURCE
1	HEAD	1	P8056	P8056F-07	A
2	SILL	1	P8056	P8056-F-06	A
3	JAMB	2	P8056	P8056F-04	A
4					
5	TOP RAIL	1	P5484	P5484F-07	A
6	BOTTOM RAIL	1	P5484	P5484F-03	A
7	STILE	2	P5484	P5484F-06	A
8					
9	GLAZING BEAD	4	P5473	P5473F-01	A
10					
11	SASH REINFORCEMENT - EXTERIOR HOLLOW	1	10500006	STRAIGHT CUT	O
12	SASH REINFORCEMENT - INTERIOR HOLLOW	1	10300091	STRAIGHT CUT	DDDD
13	SASH REINFORCEMENT - STILES	2	MVW-S-1 (MODIFIED)	STRAIGHT CUT	SILVER CITY
14	FRAME REINFORCEMENT	4	10202004	STRAIGHT CUT	O
15					
16	3/4" INSULATED GLASS	1	REFER TO APPLICABLE TEST REPORT		R
17	GLAZING TAPE	AS REQ'D	REFER TO APPLICABLE TEST REPORT		EE
18	SETTING BLOCKS(REFER TO IG SUPPLIER GUIDELINES)	AS REQ'D	REFER TO APPLICABLE TEST REPORT		W
19					
20	SNUBBER - FRAME	1	10300095		A
21	SNUBBER - SASH	1	10300094		A
22	SNUBBER (SCREW)	4	#6 x 1/2" PFH		TBD
23					
24					
25	SCREEN ASSEMBLY	1	TBD	TBD	TBD
26					

Rev	Date	Description	By

PAGE 1

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NAME: 141.194 AW - 002

DWN BY: JGM 3/25/2009

CHKD BY:

DWG NO: 141194AW-002

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Test sample complies with these details.  
 Deviations are noted.

# 141.194 AW - 002 - BILL OF MATERIALS

 Report# 9075  
 Date 3/11/09 Tech JE

ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	SOURCE
27	OPERATOR				
28	MAXIM OPERATOR	1	51.00.xx.xxx		G
29	#8 x 3/4 PFH (Operator)	6	19218		G
30	GASKET	1	31882		G
31	TRACK & SLIDER ASSY	1	11577.92		G
32	#8 x 3/4 PFH (Track & Slider)	4	19218		G
33	HANDLE KNOB S/A	1	11454		G
34	HINGE AWNING (Left Hand)	1	13.xx.xx.xxx		G
35	HINGE AWNING (Right Hand)	1	13.xx.xx.xxx		G
36	#7 x 1/2 PFH(Undercut) (Hinge Track)	8	19081		G
37	#7 x 5/8 PFH (Hinge Sash Arm)	8	19060		G
38	SPLINE CAP	1	21306		G
39					
40					
41	LOCK ACCESSORIES				
42	LOCK ASSEMBLY	2	24.33		G
43	SUPPORT PLATE	2	21600		G
44	#8 - 32 x 3/8 PPH (Self Threading)	4	19545		G
45					
46	KEEPER	4	32687.92 Left Hand / 32684.92 Right Hand		G
47	#6 X 1.25 PFH (Keeper)	8	TBD		G
48	TIE BAR GUIDE	7	32933.00.0001		G
49	#8 X 1.25 PPH (Tie Bar Guide)	14	TBD		G
50					
51					
52					
53					

Rev	Date	Description	By

**deceuninck**

NORTH AMERICA

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NAME: 141.194 AW - 002

DWN BY: JGM      3/25/2009

CHKD BY:

DWG NO: 141194AW-002

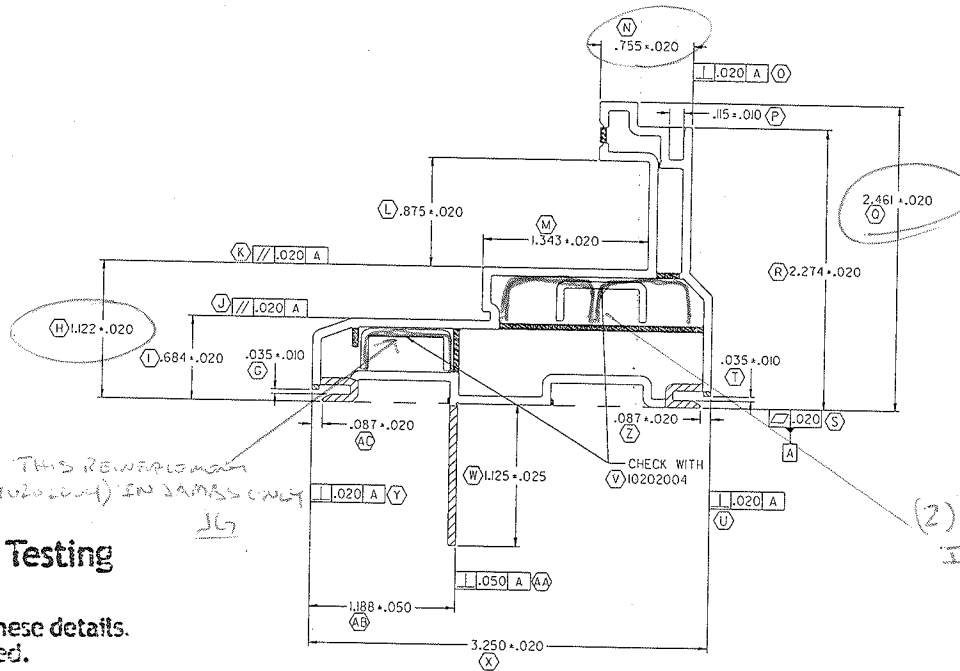
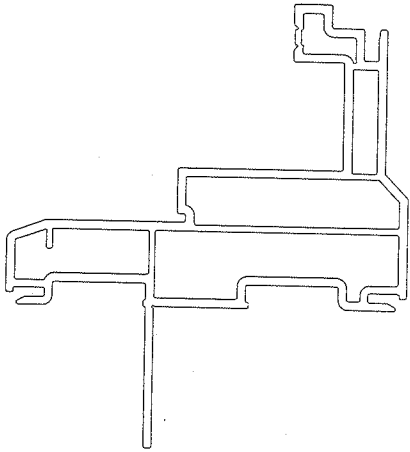
PAGE 2

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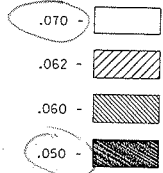
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REV	DESCRIPTION	DATE	APPROVED
E	CDT-3	08/02/08	BWB
F	UPDATED TO CURRENT STNDS	08/06/09	BWB



THIS REINFORCEMENT (10202004) IN JAMBS ONLY JG

(2) REINFORCEMENTS (10202004) IN SILL ONLY JG

WALL THICKNESS



Architectural Testing

Test sample complies with these details. Deviations are noted.

Report# 90175  
 Date 3/31/09 Tech JG

NOTES:

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

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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: 99/07/19  
 DRAWN BY: RH  
 DATE: 99/07/19  
 AUTH: DATE:  
 AUTH: DATE:  
 AUTH: DATE:  
 FILENAME:  
 \*FILE NAME\*

deceuninck  
 NORTH AMERICA  
 351 NORTH CARVER ROAD  
 MONROE, OHIO 45050

NAME: MAIN FRAME - CA

SIZE DWG. NO: B 10008056.SH  
 SCALE: 1:1 (LBS/FT.) .696 SHEET: 1 OF 1

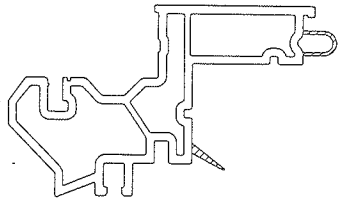
SP/DATE/S

SUSERS

FILE/S

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

REVISION HISTORY			
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J	GD&T 3	08/04/18	KED



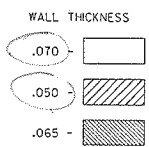
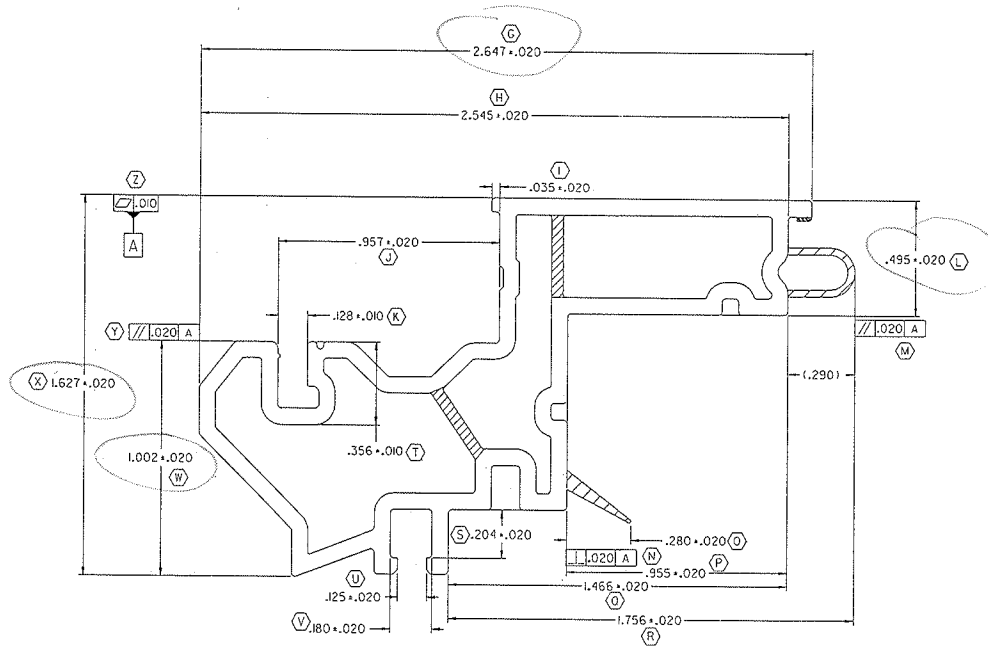
SCALE 1:1



**Architectural Testing**

Test sample complies with these details.  
Deviations are noted.

Report# 90175  
Date 3/31/09 Tech JG



- NOTES:
- 'ST000013' STRAIGHTNESS CLASS A AND LENGTH TOLERANCES APPLY (A)
  - INTERPRET ALL TOLERANCE APPLICATIONS PER ST00013
  - UNSPECIFIED EXTERNAL RADI = .XXX +.010 / -.005
  - UNSPECIFIED INTERNAL RADI = .XXX +.020 / -.005
  - UNSPECIFIED EXTERNAL WALL THICKNESS = .XXX +/- 10%
  - UNSPECIFIED INTERNAL WALL THICKNESS = .XXX +/- 20%

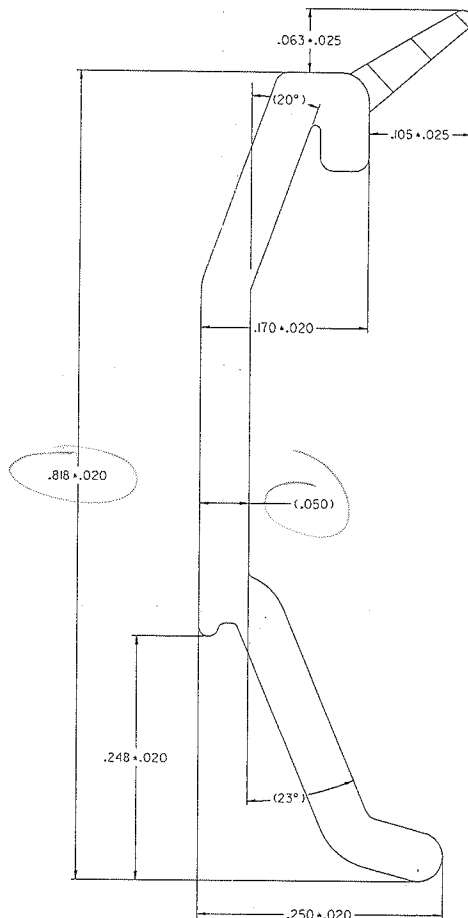
<p><b>CONFIDENTIAL</b></p> <p>UNPUBLISHED WORK © 2008 DECEUNINCK NORTH AMERICA</p> <p>THIS DOCUMENT CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION. DO NOT COPY OR DISCLOSE THIS INFORMATION WITHOUT THE EXPRESS WRITTEN CONSENT OF DECEUNINCK NORTH AMERICA. DECEUNINCK NORTH AMERICA RESERVES THE RIGHT TO CHANGE THIS DRAWING AND ANY ASSOCIATED DOCUMENTS.</p>	<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</p> <p>THIRD ANGLE PROJECTION</p>	<p>DESIGN BY: RH</p> <p>DATE: 99/7/19</p> <p>DRAWN BY: RH</p> <p>DATE: 99/7/19</p> <p>AUTH: DATE:</p> <p>AUTH: DATE:</p> <p>AUTH: DATE:</p> <p>FILENAME: \$FILE NAME\$</p>	<p><b>deceuninck</b> </p> <p>NORTH AMERICA</p> <p>351 NORTH DANVERS ROAD MONROE, OHIO 45002</p> <p>NAME: MAIN SASH - CA</p> <p>SIZE DWG. NO: 10005484</p> <p>SCALE: 2:1 NLBS/FT.L .463 SHEET: 1 OF 1</p>
		<p>REV. H</p>	

SUSERS

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

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
C	CHANGE TO SINGLE SHEET FORMAT	05/08/25	JGM
D	GDT-3	06/07/31	BWB

SCALE 1:1



**Architectural Testing**

Test sample complies with these detail. Deviations are noted.

Report# 90175  
 Date 3/31/09 Tech JG

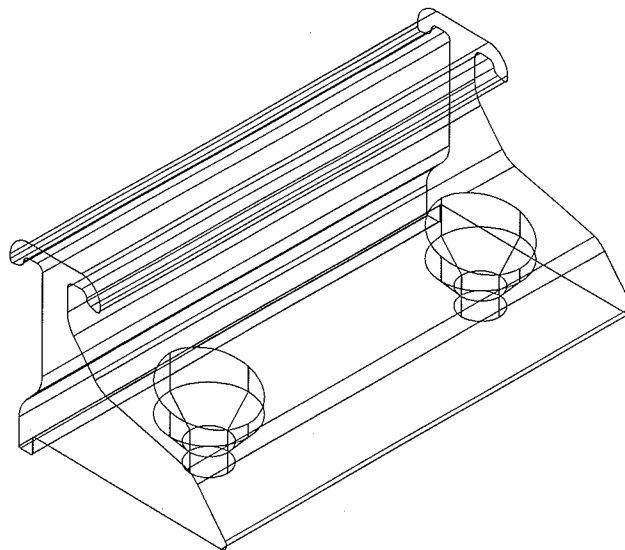
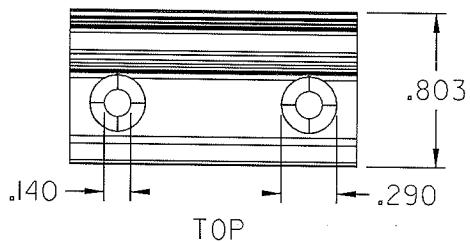
NOTES:

1. 'ST000013' STRAIGHTNESS CLASS E AND LENGTH TOLERANCES APPLY
2. INTERPRET ALL TOLERANCE APPLICATIONS PER ST00013
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%

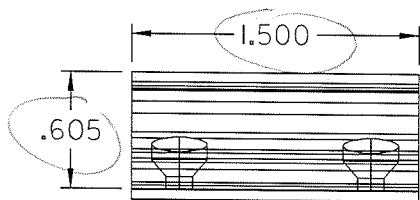
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	<p>THIRD ANGLE PROJECTION</p> <p></p>	<p>SIZE DWG. NO: 10005473.SH                  B                  SCALE: 8 : 1 (LBS/FT.) .034 SHEET: 1 OF 1</p>	<p>REV. D</p>

\$PLOT DATES \$USERS \$FILES

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



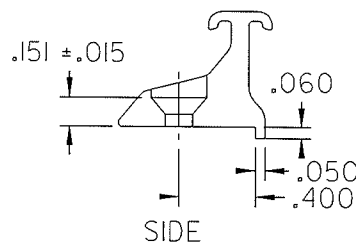
SCALE 4 : 1





**Architectural Testing**

Test sample complies with these details.  
Deviations are noted.

Report# 90175  
Date 3/31/09 Tech JG



6005-T5 ALUMINUM

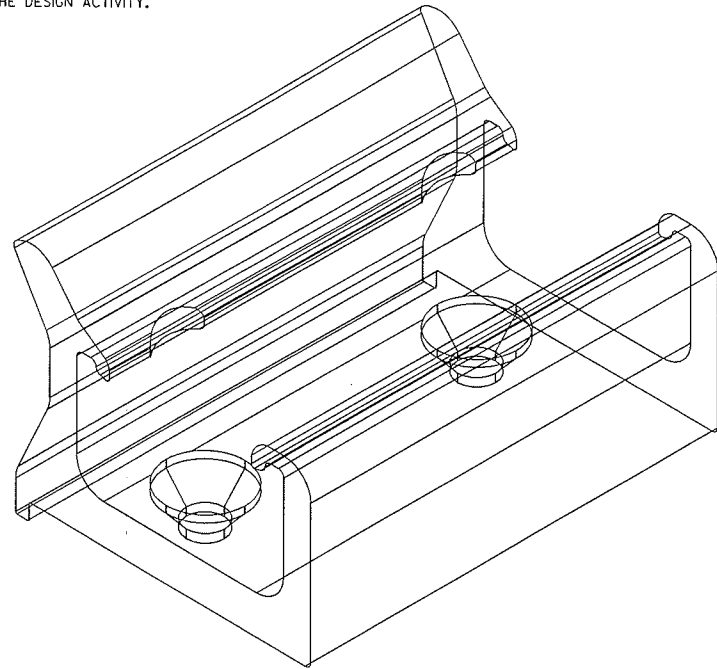
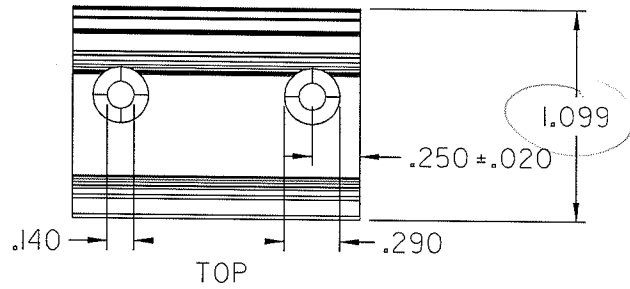
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	<p>THIRD ANGLE PROJECTION</p> 	<p>NAME: CA SASH SNUBBER</p> <p>SIZE DWG. NO: 10300094 SCALE: 2 : 1 (LBS/FT.) SHEET: 1 OF 1</p>	<p>REV. NEW</p>

5/10/2007

usctd

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

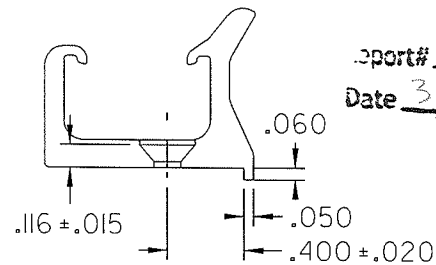
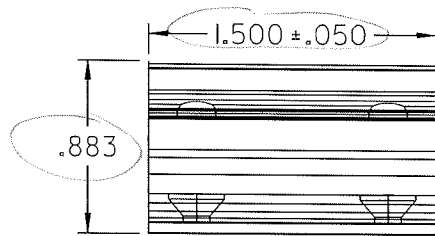


SCALE 4 : 1





**Architectural Testing**

Test sample complies with these details.  
Deviations are noted.



Report# 96175  
Date 3/31/09 Tech JC

6005-T5 ALUMINUM

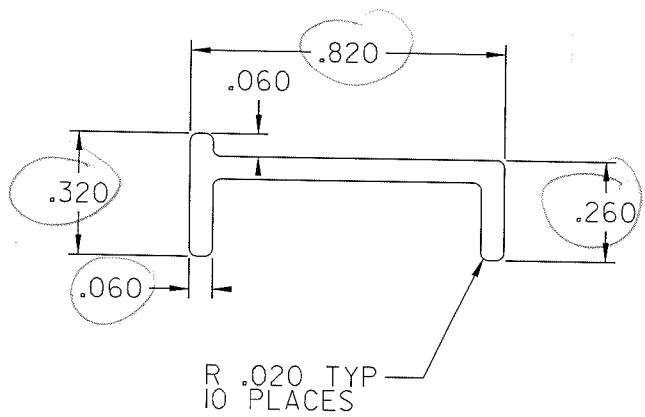
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	<p>THIRD ANGLE PROJECTION</p> <p></p>	<p>FILENAME: 10300095.dgn</p>	

5/10/2007

uscrb

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



**Architectural Testing**

Test sample complies with these details  
Deviations are noted.

Drawn: 90175  
Date: 3/31/09 Tech: X

6005-T5 ALUMINUM

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	<p>THIRD ANGLE PROJECTION</p> <p></p>	<p>NAME: CA SASH REINFORCEMENT</p> <p>SIZE DWG. NO: 10300091 SCALE: 4 : 1 (LBS./FT.) SHEET: 1 OF 1</p>	<p>REV. NEW</p>

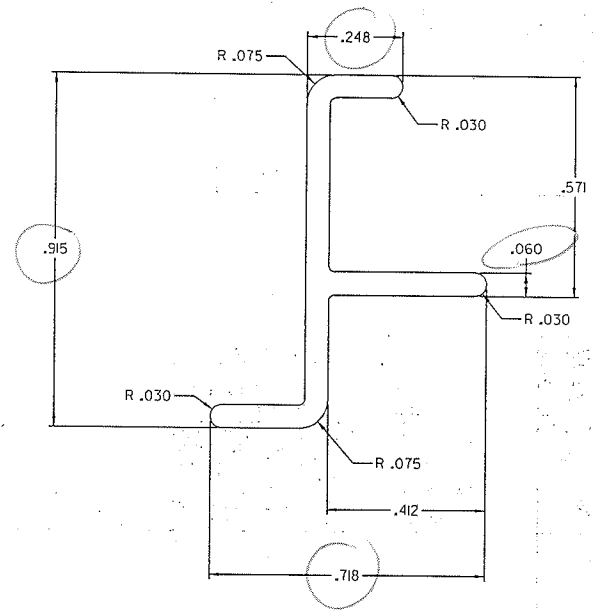
3/8/2007

usrb

H:\pvt\ms08\ALUMINUM\10300091.dgn

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

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
B	UPDATED TITLE BLOCK	06/12/04	JGM



ALL UNSPECIFIED RADII SHALL BE .015"



Test sample complies with these details.  
Deviations are noted!

Report# 90175  
Date 3/31/09 Tech JG

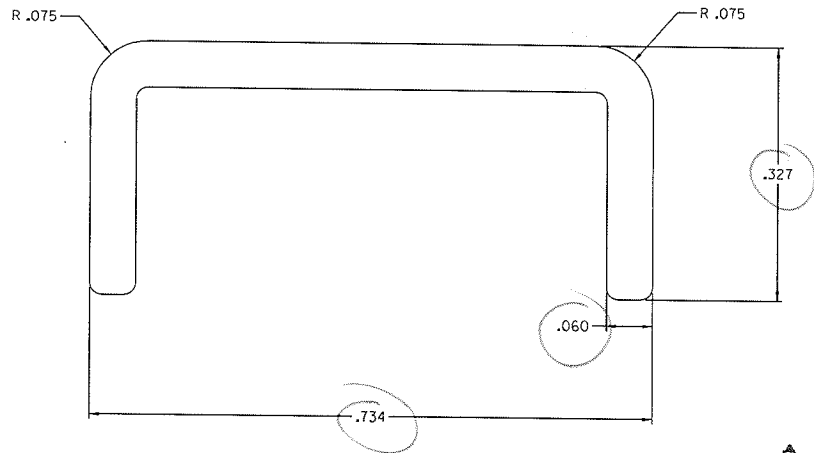
MATERIAL: 6063 - T5 ALUMINUM

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	<p>THIRD ANGLE PROJECTION</p> <p></p>	<p>FILENAME: 10500006.dgn</p>	<p>NAME: CASEMENT REINFORCEMENT</p> <p>SIZE DWG. NO: 10500006 REV. B</p> <p>SCALE: 4 : 1 (LBS/FT.) J22 SHEET: 1 OF 1</p>

3/26/2007 usjgm

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

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
B	CHANGED TITLE BLOCK	06/12/04	JGM



ALL UNSPECIED RADII SHALL BE .015"



Test sample complies with these details  
Deviations are noted.

Report# 90175  
Date 3/31/09 Tech JG

6063-T5 ALUMINUM

<b>CONFIDENTIAL</b> UNPUBLISHED WORK © 2006 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: RH DATE: 99/07/26 DRAWN BY: JGM DATE: 06/12/04 AUTH: DATE: AUTH: DATE: AUTH: DATE:	<b>deceuninck</b> NORTH AMERICA 351 NORTH GARVER ROAD MONROE, OHIO 45009
	THIRD ANGLE PROJECTION 	FILENAME: 10202004.dgn	
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		SIZE DWG. NO: 10202004	
		SCALE: 8 : 1 (LBS/FT.) .087	SHEET: 1 OF 1

3/26/2007 vjsgm





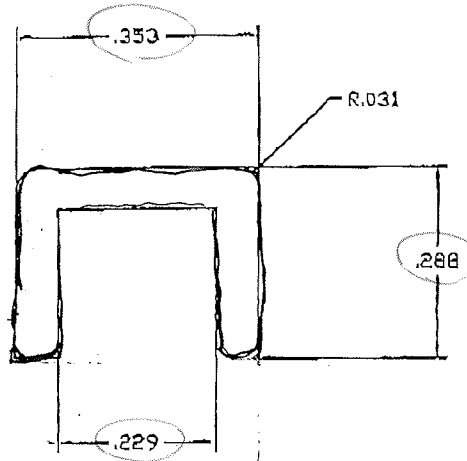
ACTUAL SIZE

TO: JONATHAN  
MORTON

MVW-S-1

DIE NUMBER

MODIFIED

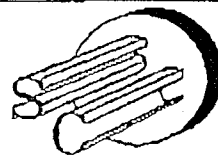


**Architectural Testing**

Test sample complies with these details.  
Deviations are noted.

Report# 90175  
Date 3/31/09 Tech JG

UNSPECIFIED WALLS	.062	CIRCLE SIZE	0-1
UNSPECIFIED RADII	.031		
BREAK CORNERS	.010R		
EST. AREA	.067	EST. PERIMETER	2.251
EST. WT. PER FT.	.080	FACTOR	28
STANDARD TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS SPECIFICALLY SHOWN OTHERWISE			
REVISIONS		DATE	
NOTES:			
SOLID	<input checked="" type="checkbox"/>	HOLLOW	<input type="checkbox"/>
TUBE	<input type="checkbox"/>	SEMI HOLLOW	<input type="checkbox"/>
BAR	<input type="checkbox"/>	ROD	<input type="checkbox"/>



**SILVER CITY ALUMINUM CORPORATION**

Custom Aluminum Extrusions  
704 WEST WATER STREET TAUNTON, MA. 02780

CUSTOMER: MVP VINYL WINDOWS  
CITY: Belfast STATE: ME

APPLICATION:		SCALE	DRAWN
DIE DATA		4 : 1	LD
BILLET DATA		DATE	TRACED
TYPE	SOLID	8-26-02	CK'D
SIZE	9x2w3/4" pocket	MAT'L	6D63-T5
BACKER	05-9A-4333	CUST. NO.	
BOLSTER	B - N	RUNOUT	

#1,268 FT

#1,585 POUNDS