Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

DECEUNINCK NORTH AMERICA, LLC

SERIES/MODEL: 310.300 SH
PRODUCT TYPE: PVC Single Hung

Report No.: 55327.01-701-47
Report Date: 12/16/04
Expiration Date: 10/04/08

849 Western Avenue North
St. Paul, MN 55117
phone: 651-636-3835
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www.archtest.com

Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

DECEUNINCK NORTH AMERICA, LLC

SERIES/MODEL: 310.300 SH
PRODUCT TYPE: PVC Single Hung

	Summary of Results			
Title	**Test Specimen #1**	**Test Specimen #2**	**Test Specimen #3**	**Test Specimen #4**
Rating	H-R20 48 x 72	H-R25 48 x 72	H-R20 44 x 72	H-R25 44 x 60
Operating Force	15 lbf max.	N/A	N/A	14 lbf max.
Air Infiltration	0.15 cfm/ft^2	N/A	N/A	0.11 cfm/ft^2
Water Resistance Test Pressure	4.50 psf	N/A	N/A	6.0 psf
Uniform Load Deflection Test Pressure	± 20.0 psf	± 25.0 psf	± 20.0 psf	± 25.0 psf
Uniform Load Structural Test Pressure	± 30.0 psf	± 37.5 psf	± 30.0 psf	± 37.5 psf
Forced Entry Resistance	Grade 10	N/A	N/A	N/A

	Summary of Results			
Title	**Test Specimen #5**	**Test Specimen #6**	**Test Specimen #7**	**Test Specimen #8**
Rating	H-R40 44 x 60	H-R30 36 x 60	H-R35 36 x 60	H-R40 36 x 60
Operating Force	N/A	N/A	N/A	N/A
Air Infiltration	N/A	N/A	N/A	N/A
Water Resistance Test Pressure	N/A	N/A	N/A	N/A
Uniform Load Deflection Test Pressure	± 40.0 psf	± 30.0 psf	± 52.5 psf	± 40.0 psf
Uniform Load Structural Test Pressure	± 60.0 psf	± 45.0 psf	± 52.5 psf	± 75.0 psf
Forced Entry Resistance	Grade 10	N/A	N/A	N/A

Reference should be made to ATI Report No. 55327.01-701-47 for complete test specimen description and data.

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Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

DECEUNINCK NORTH AMERICA, LLC
351 North Garver Road
Monroe, Ohio 45050

Report No.:	55327.01-701-47
Test Date:	10/04/04
Through:	11/18/04
Report Date:	12/16/04
Expiration Date:	10/04/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Deceuninck North America, LLC to witness testing on eight Series/Model 310.300 PVC Single Hung windows at the Deceuninck North America, LLC test facility in Monroe, Ohio. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: H-R20 48 x 72; Test Specimen #2: H-R25 48 x 72; Test Specimen #3: H-R20 44 x 60; Test Specimen #4: H-R25 44 x 60; Test Specimen #5: H-R40 44 x 60; Test Specimen #6: H-R30 36 x 60*; Test Specimen #7: H-R35 36 x 60*; Test Specimen #8: H-R40 36 x 60*. Test specimen description and results are reported herein.

***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 specimens were evaluated in accordance with 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: 310.300

Product Type: PVC Single Hung

Test Specimen #1: H-R20 48 x 72

Overall Size: 4' 0" wide by 6' 0" high

Sash Size: 3' 9-1/2" wide by 2' 10-15/16" high

Fixed Daylight Opening Size: 3' 7-1/8" wide by 2' 8-5/8" high

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Test Specimen Description: (Continued)

Test Specimen #1: H-R20 48 x 72 (Continued)

Screen Size: 3' 8-1/8" wide by 2' 10-3/4" high

Overall Area: 24.0 ft^2

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail and aluminum reinforcement was utilized in the lock rail (See Deceuninck North America, LLC Drawing #ST-494 and #10300046).

Test Specimen #2: H-R25 48 x 72

Overall Size: 4' 0" wide by 6' 0" high

Sash Size: 3' 9-1/2" wide by 2' 10-15/16" high

Fixed Daylight Opening Size: 3' 7-1/8" wide by 2' 8-5/8" high

Screen Size: None

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail and aluminum reinforcement was utilized in the lock rail and bottom lift rail (See Deceuninck North America, LLC Drawing #1030046 and #10300047).

Test Specimen #3: H-R20 44 x 60

Overall Size: 3' 8" wide by 5' 0" high

Sash Size: 3' 5-1/2" wide by 2' 5-1/16" high

Fixed Daylight Opening Size: 3' 3-1/8" wide by 2' 2-5/8" high

Screen Size: None

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail (See Deceuninck North America, LLC Drawing #ST-494).

Test Specimen #4: H-R25 44 x 60

Overall Size: 3' 8" wide by 5' 0" high

Sash Size: 3' 5-1/2" wide by 2' 5-1/16" high

Test Specimen Description: (Continued)

Test Specimen #4: H-R25 44 x 60 (Continued)

Fixed Daylight Opening Size: 3' 3-1/8" wide by 2' 2-5/8" high

Screen Size: None

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail and aluminum reinforcement was utilized in the lock rail (See Deceuninck North America, LLC Drawing #ST-494 and #10300046).

Test Specimen #5: H-R40 44 x 60

Overall Size: 3' 8" wide by 5' 0" high

Sash Size: 3' 5-1/2" wide by 2' 5-1/16" high

Fixed Daylight Opening Size: 3' 3-1/8" wide by 2' 2-5/8" high

Screen Size: None

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail and aluminum reinforcement was utilized in the lock rail and bottom lift rail (See Deceuninck North America, LLC Drawing #ST-494, #10300046 and #10300047).

Test Specimen #6: H-R30 36 x 60

Overall Size: 3' 0" wide by 5' 0" high

Sash Size: 2' 9" wide by 2' 4-11/16" high

Fixed Daylight Opening Size: 2' 6-5/8" wide by 2' 2-1/2" high

Screen Size: None

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail (See Deceuninck North America, LLC Drawing #ST-494).

Test Specimen #7: H-R35 36 x 60

Overall Size: 3' 0" wide by 5' 0" high

Sash Size: 2' 9" wide by 2' 4-11/16" high

Test Specimen Description: (Continued)

Test Specimen #7: H-R35 36 x 60 (Continued)

Fixed Daylight Opening Size: 2' 6-5/8" wide by 2' 2-1/2" high

Screen Size: None

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail and aluminum reinforcement was utilized in the lock rail (See Deceuninck North America, LLC Drawing #ST-494 and #10300046).

Test Specimen #8: H-R30 36 x 60

Overall Size: 3' 0" wide by 5' 0" high

Sash Size: 2' 9" wide by 2' 4-11/16" high

Fixed Daylight Opening Size: 2' 6-5/8" wide by 2' 2-1/2" high

Screen Size: None

Reinforcement: 0.06" galvanized steel reinforcement was utilized in the fixed meeting rail and aluminum reinforcement was utilized in the lock rail and bottom lift rail (See Deceuninck North America, LLC Drawing #ST-494, #10300046 and #10300047).

The following descriptions apply to all specimens.

Glass Type: Nominal 3/4" thick insulating glass fabricated from two 3/3" thick clear annealed sheets with a spacer system.

Finish: White PVC.

Glazing Details: The glass was set from the exterior against a bed of silicone and secured with PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.220" high by 0.187" back pile with center fin	1 Row	Meeting rails
0.290" high by 0.187" back pile with center fin	1 Row	Stiles

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.220" high by 0.187" back pile with center fin	1 Row	Stiles
Bulb (Deceuninck North America, LLC Drawing #8206)	1 Row	Bottom lift rail

Frame Construction: The frame was constructed of extruded PVC members with mitered and thermally welded corners. The fixed meeting rail was coped, butted and secured through the jambs into fixed meeting rail enforcement with #6 by 1" steel screws, one each end (two total).

Sash Construction: The sash was constructed of extruded PVC members with mitered and thermally welded corners.

Screen Construction: The screen frame was constructed of extruded aluminum with PVC corner keys. Fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Sweep locks	2	6" from jambs, 33-9/16" apart
Tilt latches	2	Lock rail ends
Tilt pins	2	Bottom lift rails
Spiral balancers	2	One in each jam

Drainage: Sloped sill

Description	Quantity	Location
0.25" wide by 0.13" high weep slot	4	Fixed meeting rails
0.258" wide by 0.129" high	4	Bottom lift rail

Test Specimen Description: (Continued)

Installation: The test samples were installed into a nominal 2 x 10 #2 Southern pine wood buck with #8 by 5/8" steel screws through nailing fin, spaced 6" on center and 2" from each corner (43 total). Exterior perimeter was sealed with silicone.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
	Test Specimen #1: H-R20 48 x 72		
2.2.6.1	Operating Force Lower Sash	28 lbf	30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.56 psf (25 mph)	0.15 cfm/ft^2	0.30 cfm/ft^2 max.
	***Note #1**: The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S.2-97 for air infiltration.*		
2.1.3	Water Resistance per ASTM E 547 (with and without screen) 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the fixed meeting rail) (Loads were held for 52 seconds) 15.0 psf (positive) 15.0 psf (negative)	 0.53" 0.50"	 See Note #2 See Note #2
	***Note #2**: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*		
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the fixed meeting rail) (Loads were held for 10 seconds) 22.5 psf (positive) 22.5 psf (negative)	 0.04" 0.07"	 0.173" max. 0.173" max.

Test Results: (Continued)

Test Specimen #1: H-R20 48 x 72 (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Lower Sash		
	Meeting Rail	0.02"/4%	0.50"/100%
	Bottom Rail	0.02"/4%	0.50"/100%
	In remaining direction - 50 lbs		
	Right Stile	0.02"/4%	0.50"/100%
	Left Stile	0.02"/4%	0.50"/100%
2.1.7	Welded Corner Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 through A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E (with and without screen) 4.50 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the fixed meeting rail) (Loads were held for 52 seconds)		
	20.0 psf (positive)	0.76"	See Note #2
	20.0 psf (negative)	0.65"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the fixed meeting rail) (Loads were held for 10 seconds)		
	30.0 psf (positive)	0.11"	0.173" max.
	30.0 psf (negative)	0.06"	0.173" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: H-R25 48 x 72			
Optional Performance			
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the fixed meeting rail) (Loads were held for 52 seconds)		
	25.0 psf (positive)	1.54"	See Note #2
	25.0 psf (negative)	1.29"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the fixed meeting rail) (Loads were held for 10 seconds)		
	37.5 psf (positive)	0.15"	0.173" max.
	37.5 psf (negative)	0.14"	0.173" max.
Test Specimen #3: H-R20 44 x 60			
Optional Performance			
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the fixed meeting rail) (Loads were held for 52 seconds)		
	20.0 psf (positive)	0.69"	See Note #2
	20.0 psf (negative)	0.69"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the fixed meeting rail) (Loads were held for 10 seconds)		
	30.0 psf (positive)	0.09"	0.157" max.
	30.0 psf (negative)	0.09"	0.157" max.
Test Specimen #4: H-R25 44 x 60			
Optional Performance			
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the fixed meeting rail) (Loads were held for 52 seconds)		
	25.0 psf (positive)	1.06"	See Note #2
	25.0 psf (negative)	0.56"	See Note #2

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Test Specimen #4: H-R25 44 x 60 (Continued)		
	Optional Performance (Continued)		
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the fixed meeting rail)		
	(Loads were held for 10 seconds)		
	37.5 psf (positive)	0.03"	0.157" max.
	37.5 psf (negative)	0.11"	0.157" max.
	Test Specimen #5: H-R40 44 x 60		
	Optional Performance		
4.4.1	Uniform Load Deflection per ASTM E 330		
	(Deflections reported were taken on the fixed meeting rail)		
	(Loads were held for 52 seconds)		
	40.0 psf (positive)	1.01"	See Note #2
	40.0 psf (negative)	0.78"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the fixed meeting rail)		
	(Loads were held for 10 seconds)		
	60.0 psf (positive)	0.14"	0.157" max.
	60.0 psf (negative)	0.11"	0.157" max.
	Test Specimen #6: H-R30 36 x 60		
	Optional Performance		
4.4.1	Uniform Load Deflection per ASTM E 330		
	(Deflections reported were taken on the fixed meeting rail)		
	(Loads were held for 52 seconds)		
	30.0 psf (positive)	0.46"	See Note #2
	30.0 psf (negative)	0.43"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the fixed meeting rail)		
	(Loads were held for 10 seconds)		
	45.0 psf (positive)	0.05"	0.123" max.
	45.0 psf (negative)	0.07"	0.123" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Test Specimen #7: H-R35 36 x 60		
	Optional Performance		
4.4.1	Uniform Load Deflection per ASTM E 330		
	(Deflections reported were taken on the fixed meeting rail)		
	(Loads were held for 52 seconds)		
	35.0 psf (positive)	0.65"	See Note #2
	35.0 psf (negative)	0.29"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the fixed meeting rail)		
	(Loads were held for 10 seconds)		
	52.5 psf (positive)	0.05"	0.123" max.
	52.5 psf (negative)	0.03"	0.123" max.
	Test Specimen #8: H-R40 36 x 60		
	Optional Performance		
4.4.1	Uniform Load Deflection per ASTM E 330		
	(Deflections reported were taken on the fixed meeting rail)		
	(Loads were held for 52 seconds)		
	50.0 psf (positive)	0.58"	See Note #2
	50.0 psf (negative)	0.47"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the fixed meeting rail)		
	(Loads were held for 10 seconds)		
	75.0 psf (positive)	0.05"	0.123" max.
	75.0 psf (negative)	0.10"	0.123" max.

***Note**: A lead check swab test was performed on all polymeric profiles. The test result was negative for the presence of lead (Pb).*

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

Digitally Signed by: Daniel P. Braun

Daniel P. Braun
Regional Operations

Digitally Signed by: Daniel A. Johnson

Daniel A. Johnson
Regional Manager

DPB/jb

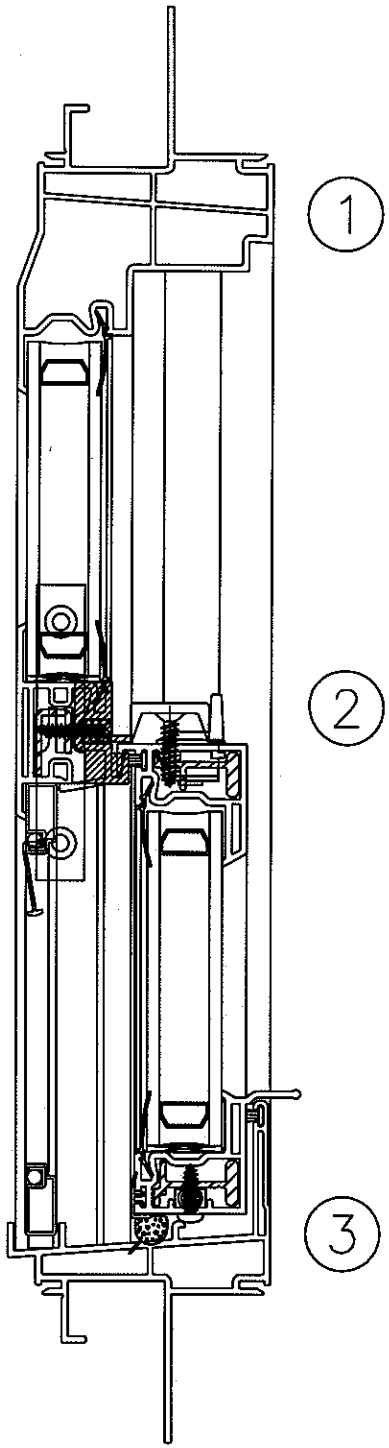
Revision Log

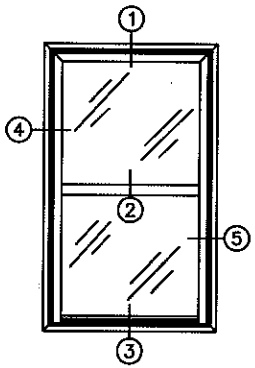
Rev. #	Date	Page(s)	Revision(s)
0	12/16/04	N/A	Original report issue

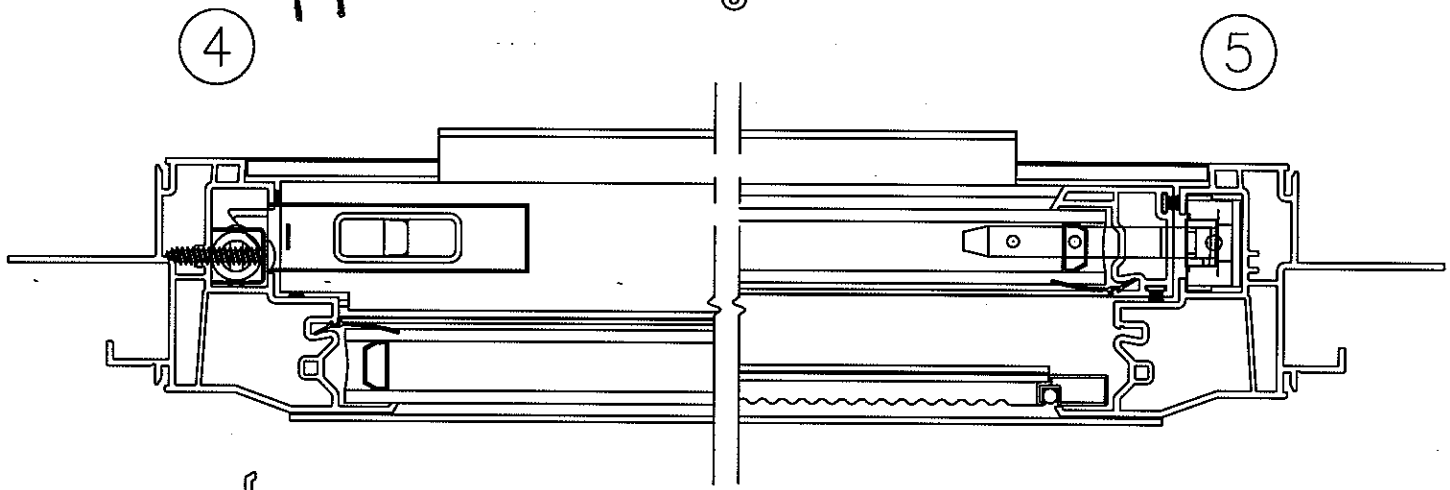
CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

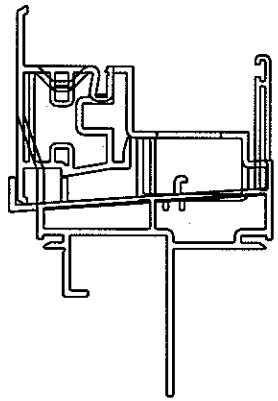
REV STATUS		REVISION HISTORY			
REV	SH	REV.	DESCRIPTION	DATE	APPROVED
-	-		---	YR/MTH/DAY	---
-	-				

Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# SS327
Date 11/18/15 Tech









LAYOUT DRAWING

UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ± 1°
2 PL: ± .01 3 PL: ± .005
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994 ----
THIRD ANGLE PROJECTION

DESIGN BY:	MTC
DATE:	04/02/11
DRAWN BY:	MTC
DATE:	04/02/11
AUTH:	
DATE:	
FILENAME:	/pd/assembly/310300SH.wl

Dayton TECHNOLOGIES | deceuninck NORTH AMERICA

1351 NORTH GARVER ROAD
MONROE, OHIO 45050

NAME: 310300 SINGLE HUNG

C | DWG. NO: 310300SH | REV: -

SCALE: 1 : 1 | (LBS/FT) -.-- | SHEET: 1 OF 1

000.300-001 SH SASH - BILL OF MATERIALS

ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	SOURCE
29	LOCK RAIL	1	10003160	10492-0	A
30	LIFT RAIL	1	10003155	10493-0	A
31	STILE	2	10003150	10491-0	A
32	BULB SEAL	1	10008206	STRAIGHT CUT	A
33	HORIZONTAL GLAZING BEAD	2	10003190	STRAIGHT CUT OR 45	A
34	VERTICAL GLAZING BEAD	2	10003190	STRAIGHT CUT OR 46	A
35					
36	INSULATED GLASS UNIT (3/4")	1			R
37	GLAZING COMPOUND	AS REQ'D	SBC2150		T
38	SETTING BLOCKS (refer to IG Supplier Guidelines)	2	1/8" x 3/4"		W
39					
40	PIVOT BAR	2	16Y98		C
41	PIVOT BAR SCREW	4	SELF DRILLING #6 X 1/2 PPH (PAINTED)		B, Z
42					
43	LOCK	1 OR 2	PD 217	INTERNATIONAL	PRODUCTS
44	LOCK SCREW	2 OR 4	SELF DRILLING #8 X 7/8 PFH (PAINTED)		B, Z
45					
46	LOCK RAIL REINFORCEMENT	1	10300046	STRAIGHT CUT	A
47	LIFT RAIL REINFORCEMENT	1	10300047	STRAIGHT CUT	A
48					
49					
50					
51	TILT LATCH	2	78044 / 78144		D
52					
53					
54					
55	WEATHERSTRIPPING	AS REQ'D	.187 BK X .220 HT CENTER FIN		F, I
56					
57					

Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# 55532
Date 11/15/05
Tech

Rev	Date	Description	By
A	12/13/2004	CHANGE LOCK & REMOVE LINES 48,49,52 & 53	JOE L

Note:
* Only required for DP50
** TBD = To Be Determined

DAYTON TECHNOLOGIES
MONROE, OH — COPYRIGHT 2004

NAME:	000.300-001 SINGLE HUNG	
DWN BY:	CRB	6/1/2004
CHKD BY:		
DWG NO:	000300SH-001.xls	

000.300-001 SH SASH - BILL OF MATERIALS

ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	SOURCE
29	LOCK RAIL	1	10003160	10492-0	A
30	LIFT RAIL	1	10003155	10493-0	A
31	STILE	2	10003150	10491-0	A
32	BULB SEAL	1	10008206	STRAIGHT CUT	A
33	HORIZONTAL GLAZING BEAD	2	10003190	STRAIGHT CUT OR 45	A
34	VERTICAL GLAZING BEAD	2	10003190	STRAIGHT CUT OR 46	A
35					
36	INSULATED GLASS UNIT (3/4")	1			R
37	GLAZING COMPOUND	AS REQ'D	SBC2150		T
38	SETTING BLOCKS (refer to IG Supplier Guidelines)	2	1/8" x 3/4"		W
39					
40	PIVOT BAR	2	16Y98		C
41	PIVOT BAR SCREW	4	SELF DRILLING #6 X 1/2 PPH (PAINTED)		B, Z
42					
43	LOCK	1 OR 2	PD 207 WHR-JW	INTERNATIONAL	PRODUCTS
44	LOCK SCREW	2 OR 4	SELF DRILLING #8 X 7/8 PFH (PAINTED)	-	B, Z
45					
46	LOCK RAIL REINFORCEMENT	1	10300046	STRAIGHT CUT	A
47	LIFT RAIL REINFORCEMENT	1	10300047	STRAIGHT CUT	A
48	*RETAINING CLIP (USED AT LIFT RAIL)	1	10300048		A
49	*RETAINING CLIP SCREW	2	SELF DRILLING #6 X 5/8 PPH (PAINTED)	STRAIGHT CUT	B, Z
50					
51	TILT LATCH	2	78044 / 78144		D
52	*TILT LATCH	2	HDP		WWW
53	*TILT LATCH SCREW	4	#6 X 1/2 PFH (PAINTED)		B, Z
54					
55	WEATHERSTRIPPING	AS REQ'D	.187 BK X .220 HT CENTER FIN		F, I
56					
57					

Architectural Testing
Test sample complies with these details. Deviations are noted.
Report# [illegible] Date 11/15/05 Tech [illegible]

Rev	Date	Description	By

Note:
* Only required for DP50
** TBD = To Be Determined

DAYTON TECHNOLOGIES		
MONROE, OH	COPYRIGHT 2004	
NAME:	000.300-001 SINGLE HUNG	
DWN BY:	CRB	6/1/2004
CHKD BY:		
DWG NO:	000300SH-001.xls	

000.300 SH SASH - BILL OF MATERIALS

ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	SOURCE
29	LOCK RAIL	1	10003160	10003160-F-01	A
30	LIFT RAIL	1	10003155	10003155-F-01	A
31	STILE	2	10003150	10003150-F-01	A
32	BULB SEAL	1	10008206	STRAIGHT CUT	A
33	HORIZONTAL GLAZING BEAD	2	10003190	STRAIGHT CUT	A
34	VERTICAL GLAZING BEAD	2	10003190	STRAIGHT CUT	A
35					
36	INSULATED GLASS UNIT (3/4")	1			R
37	GLAZING COMPOUND	AS REQ'D	SBC2150		T
38	SETTING BLOCKS (refer to IG Supplier Guidelines)	2	1/8" x 3/4"		W
39					
40	PIVOT BAR	2	680		BBB
41	PIVOT BAR SCREW	4	SELF DRILLING #6 X 1/2 PPH (PAINTED)		B, Z
42					
43	LOCK	1 OR 2	672210 (RH) and/or 672254 (LH)		II
44	LOCK SCREW	2 OR 4	SELF DRILLING #8 X 3/4 PFH (PAINTED)		B, Z
45					
46	LOCK RAIL REINFORCEMENT	1	10300046	STRAIGHT CUT	A
47	LIFT RAIL REINFORCEMENT	1	10300047	STRAIGHT CUT	A
48	*RETAINING CLIP (USED AT LIFT RAIL)	1	10300048		A
49	*RETAINING CLIP SCREW	2	SELF DRILLING #6 X 5/8 PPH (PAINTED)	STRAIGHT CUT	B, Z
50					
51	TILT LATCH	2	**TBD, 76600(LH) / 76700(RH)		WWW, D
52	*TILT LATCH	2	HURRKEY FLUSH LATCH		WWW
53	*TILT LATCH SCREW	4	#6 X 1/2 PFH (PAINTED)		B, Z
54					
55	WEATHERSTRIPPING	AS REQ'D	.187 BK X .220 HT CENTER FIN		F, I
56					
57	*HURRICANE CLIPS	2	61400		D

Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report #
Date
Tech

Rev	Date	Description	By

Note:
* Only required for DP50
** TBD = To Be Determined

DAYTON TECHNOLOGIES
MONROE, OH

NAME:	000.300 SINGLE HUNG	
DWN BY:	MTC	11/29/2001
CHKD BY:		
DWG NO:	000300SH.xls	

310000 SH FRAME - BILL OF MATERIALS

ITEM NO.	DESCRIPTION	QUANTITY	PART NO.	FAB DWG. NO	SOURCE
1	HEAD	1	10003170	10471-0	A
2	SILL	1	10003171	10478-0	A
3	JAMB	2	10003172	10479-0	A
4	FIXED MEETING RAIL	1	10003173	10480-0	A
5	HORIZONTAL GLAZING BEAD	2	10003190	STRAIGHT CUT OR 45	A
6	VERTICAL GLAZING BEAD	2	10003190	STRAIGHT CUT OR 45	A
7					
8	INSULATED GLASS UNIT (3/4")	1			R
9	GLAZING COMPOUND	AS REQ'D	SBC2150		T
10	SETTING BLOCKS (refer to IG Supplier Guidelines)	2	1/8" x 3/4"		W
11					
12	BALANCE	2	97i		C
13	BALANCE SCREW	2	#8 X 1/2" PPH		B, I
14					
15					
16					
17	MEETING RAIL TO BRACKET SCREW	2	SELF DRILLING #6 X 1/2 PFH WITH #4 HEAD		B, Z
18	MEETING RAIL BRACKET	2	1613		VVV
19	BRACKET to JAMB SCREW	4	#8 X 3/4 PFH w/ #6 HEAD		B, Z
20					
21	MEETING RAIL REINFORCEMENT	1	ST494	STRAIGHT CUT	HHH
22					
23	*TILT LATCH RETAINING CLIP	2	H-KEY 375		WWW
24	*TILT LATCH RETAINING CLIP SCREW	2	#7 X 1/2 PFH		B, I
25					
26	WEATHERSTRIPPING	AS REQ'D	.187 BK X .260 HT CENTER FIN		F, I
27	SCREEN RETAINER		10003191	STRAIGHT CUT	A
28	SCREEN ASSEMBLY		SCREEN-19		N

Architectural Testing
Test sample complies with these details, deviations are noted.
Report #
Date
Tech

Rev	Date	Description	By

Note:
* Only required for DP50

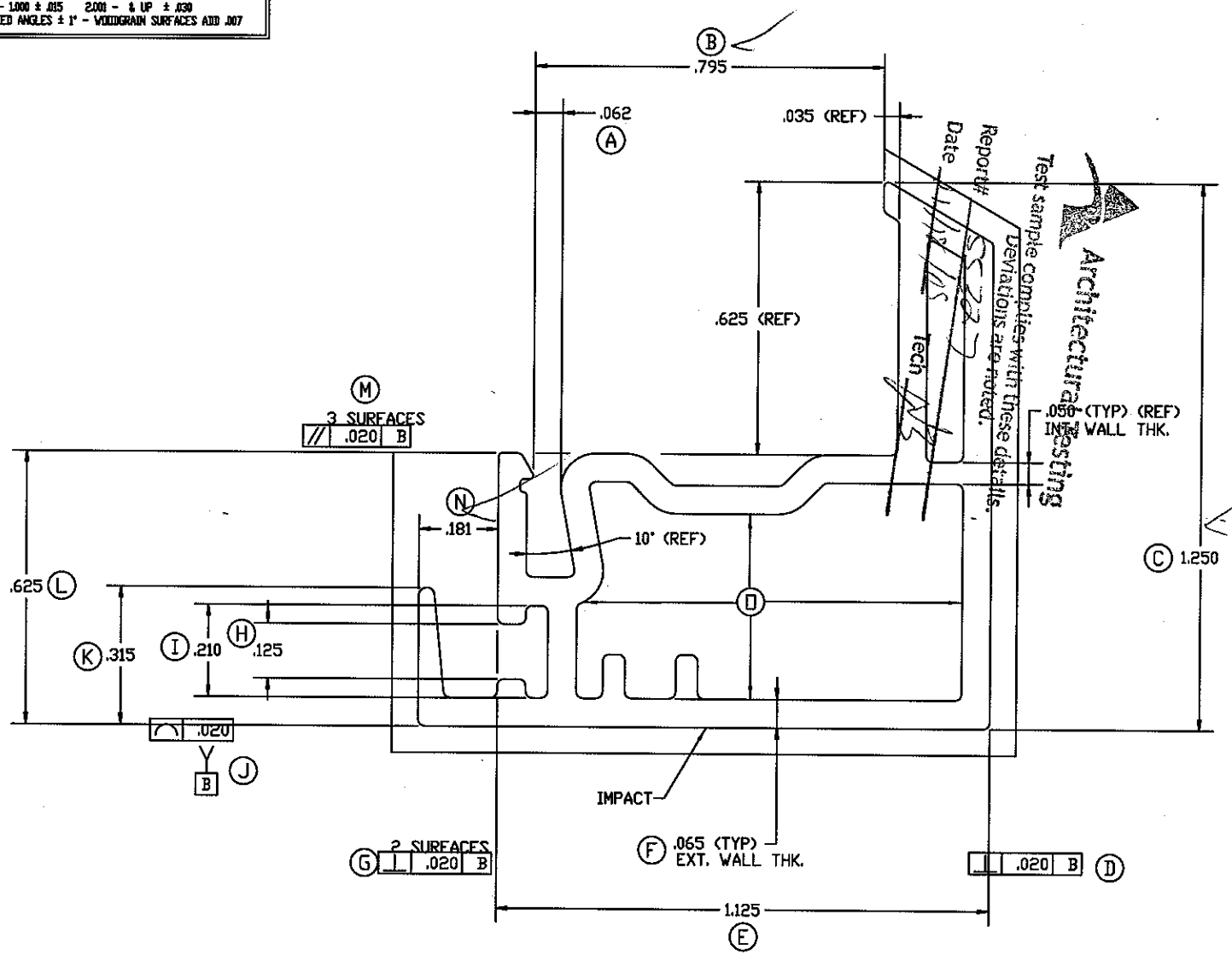
DAYTON TECHNOLOGIES

MONROE, OH

NAME:	3100000 SINGLE HUNG	
DWN BY:	CRB	5/31/2004
CHKD BY:		
DWG NO:	310000SH.xls	

UNLESS OTHERWISE NOTED THE FOLLOWING TOLERANCES APPLY
.001 – .100 ± .005 1.001 – 1.500 ± .020
.101 – .500 ± .010 1.501 – 2.000 ± .025
.501 – 1.000 ± .015 2.001 – & UP ± .030
UNSPECIFIED ANGLES ± 1° – WOODGRAIN SURFACES ADD .007

——— = EXPOSED SURFACE ——— = WOODGRAIN SURFACE



NOTES:
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REV.	DATE	DESCRIPTION	BY
A	07/01/02	Changed DIM "A" max to 0.072" from 0.067" Changed DIM "B" max to 0.815" from 0.805"	TAW

FITS WITH: 10003190 & 10300046

IMPACT AREA: NOTED

CONTROL DIMENSIONS

DIM	METH	MIN	ENG	MAX	DIM	METH	MIN	ENG	MAX
A	V	.057	.062	.072	X				
B	V	.785	.795	.815	Y				
C	V	1.230	1.250	1.270	Z				
D	V	⊥ .020 B			AA				
E	V	1.105	1.125	1.145	BB				
F	V	.055	.065	.075	CC				
G	V	⊥ .020 B			DD				
H	G	I-1 & I-2A			EE				
I	G	I-1 & I-2A			FF				
J	V	⌒ .020			GG				
K	V	.305	.315	.325	HH				
L	V	.615	.625	.635	II				
M	V	// .020 B			JJ				
N	V	.171	.181	.191	KK				
O	G	10300046			LL				
P					MM				
Q					NN				
R					OO				
S					PP				
T					QQ				
U					RR				
V					SS				
W					TT				

Part Wt. (Lbs/Ft)	Rigid	Cap	Flex	Alum	Total
	.223	----	----	----	.223
	----	----	----	----	----

Dayton TECHNOLOGIES
deceuninck NORTH AMERICA

651 NORTH GARVER ROAD
MONROE, OHIO 45050

NAME: LOCK RAIL

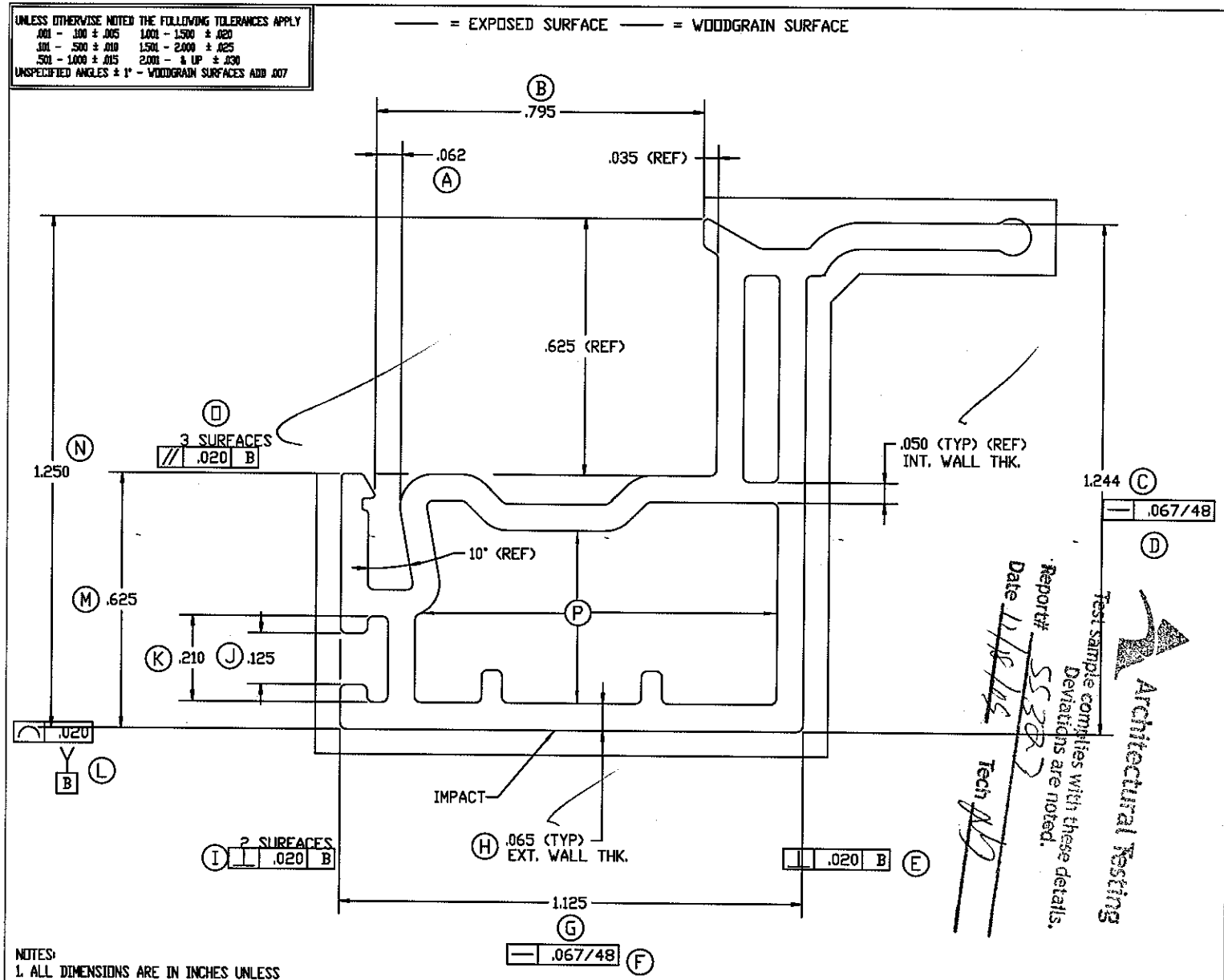
DRAWN BY: MTC — DATE: 11/20/01

CHECKED BY: — DATE:

SCALE: 4 : 1 "B" — COLOR: ☐WH ☒BK ☐EB ☐EV ☒OTH

CUST. PART NO: 10003160 — PART DWG NO: 10003160–A

UNLESS OTHERWISE NOTED THE FOLLOWING TOLERANCES APPLY
.001 - .100 ± .005 1.001 - 1.500 ± .020
.101 - .500 ± .010 1.501 - 2.000 ± .025
.501 - 1.000 ± .015 2.001 - & UP ± .030
UNSPECIFIED ANGLES ± 1° - WOODGRAIN SURFACES ADD .007



NOTES:
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REV.	DATE	DESCRIPTION	BY
A	01/24/02	A - TOL WAS +/- .005, NOW +/- .010	MTC
		M - TOL WAS +/- .010, NOW +/- .015	

FITS WITH: 10003190 & 10300047

IMPACT AREA: NOTED

CONTROL DIMENSIONS

DIM	METH	MIN	ENG	MAX	DIM	METH	MIN	ENG	MAX
A	V	.052	.062	.072	X				
B	V	.785	.795	.805	Y				
C	V	1.224	1.244	1.264	Z				
D	V	— .067/48			AA				
E	V	⊥ .020 B			BB				
F	V	— .067/48			CC				
G	V	1.105	1.125	1.145	DD				
H	V	.055	.065	.075	EE				
I	V	⊥ .020 B			FF				
J	G	I-1 & I-2A			GG				
K	G	I-1 & I-2A			HH				
L	V	⌒ .020			II				
M	V	.610	.625	.640	JJ				
N	V	1.230	1.250	1.270	KK				
O	V	// .020 B			LL				
P	G	10300047			MM				
Q					NN				
R					OO				
S					PP				
T					QQ				
U					RR				
V					SS				
W					TT				

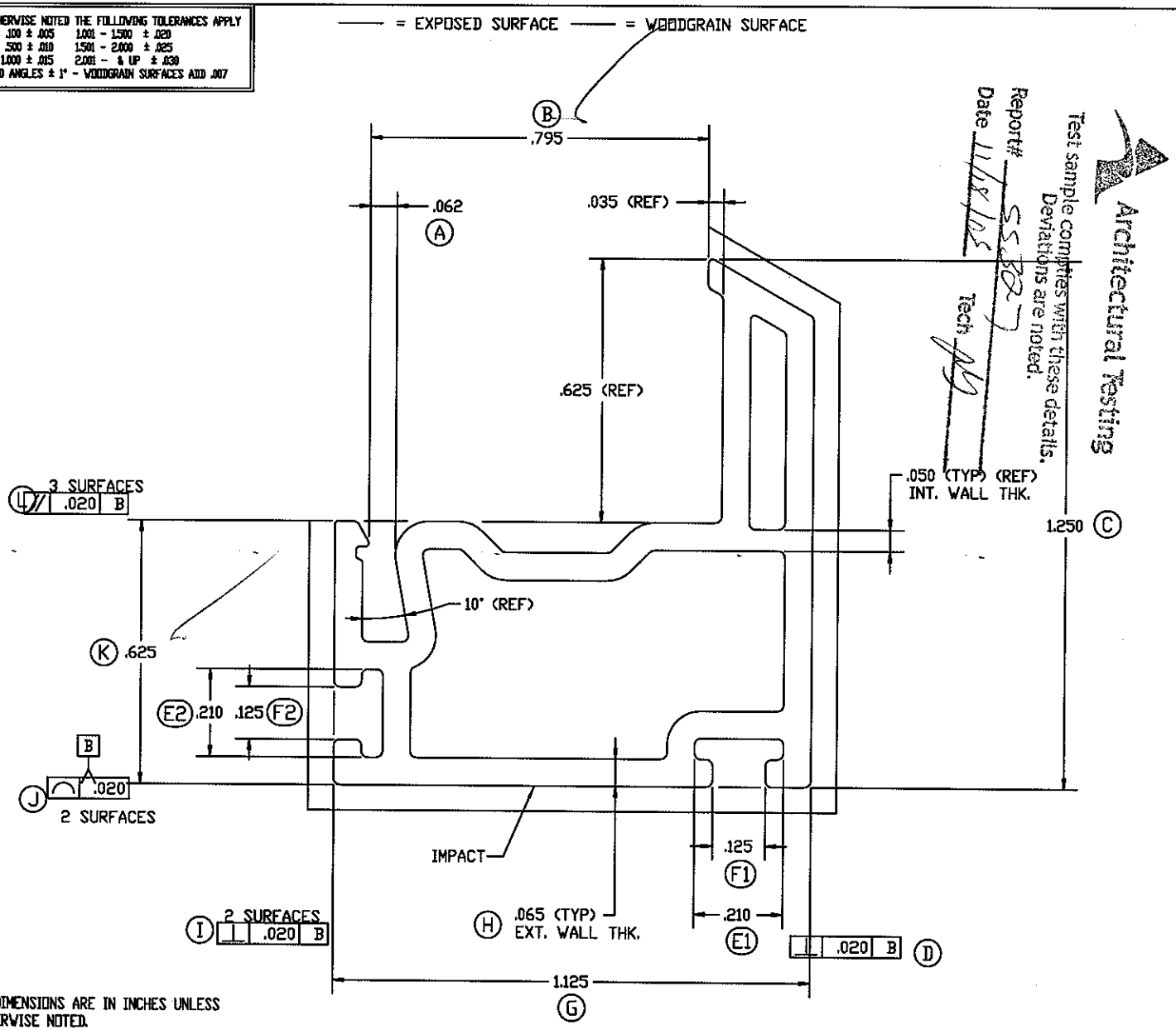
Part Wt (Lbs/Ft)	Rigid	Cap	Flex	Alum	Total
	.233	----	----	----	.233
	----	----	----	----	----

Dayton TECHNOLOGIES | deceuninck NORTH AMERICA

651 NORTH GARVER ROAD
MONROE, OHIO 45050

NAME:	LIFT RAIL
DRAWN BY: MTC	DATE: 11/20/01
CHECKED BY:	DATE:
SCALE: 4 : 1 "B"	COLOR: ☐WH ☒BS ☐EP ☐EV ☒OTH
CUST. PART NO: 10003155	PART DWG. NO: 10003155-A

UNLESS OTHERWISE NOTED THE FOLLOWING TOLERANCES APPLY
.001 - .100 ± .005 1.001 - 1.500 ± .020
.101 - .500 ± .010 1.501 - 2.000 ± .025
.501 - 1.000 ± .015 2.001 - & UP ± .030
UNSPECIFIED ANGLES ± 1° - WOODGRAIN SURFACES ADD .007



NOTES:
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REV.	DATE	DESCRIPTION	BY
A	04/12/02	A MAX WAS .067, NOW .070	MTC
		B MIN WAS .785, NOW .770	

FITS WITH: 10003110 & 10003190

IMPACT AREA: NOTED

CONTROL DIMENSIONS

DIM	METH	MIN	ENG	MAX	DIM	METH	MIN	ENG	MAX
A	V	.057	.062	.070	X				
B	V	.770	.795	.805	Y				
C	V	1.230	1.250	1.270	Z				
D	V	⊥ .020 B			AA				
E	G	I-1 & I-2A			BB				
F	G	I-1 & I-2A			CC				
G	V	1.105	1.125	1.145	DD				
H	V	.055	.065	.075	EE				
I	V	⊥ .020 B			FF				
J	V	⌒ .020			GG				
K	V	.615	.625	.635	HH				
L	V	// .020 B			II				
M					JJ				
N					KK				
O					LL				
P					MM				
Q					NN				
R					OO				
S					PP				
T					QQ				
U					RR				
V					SS				
W					TT				

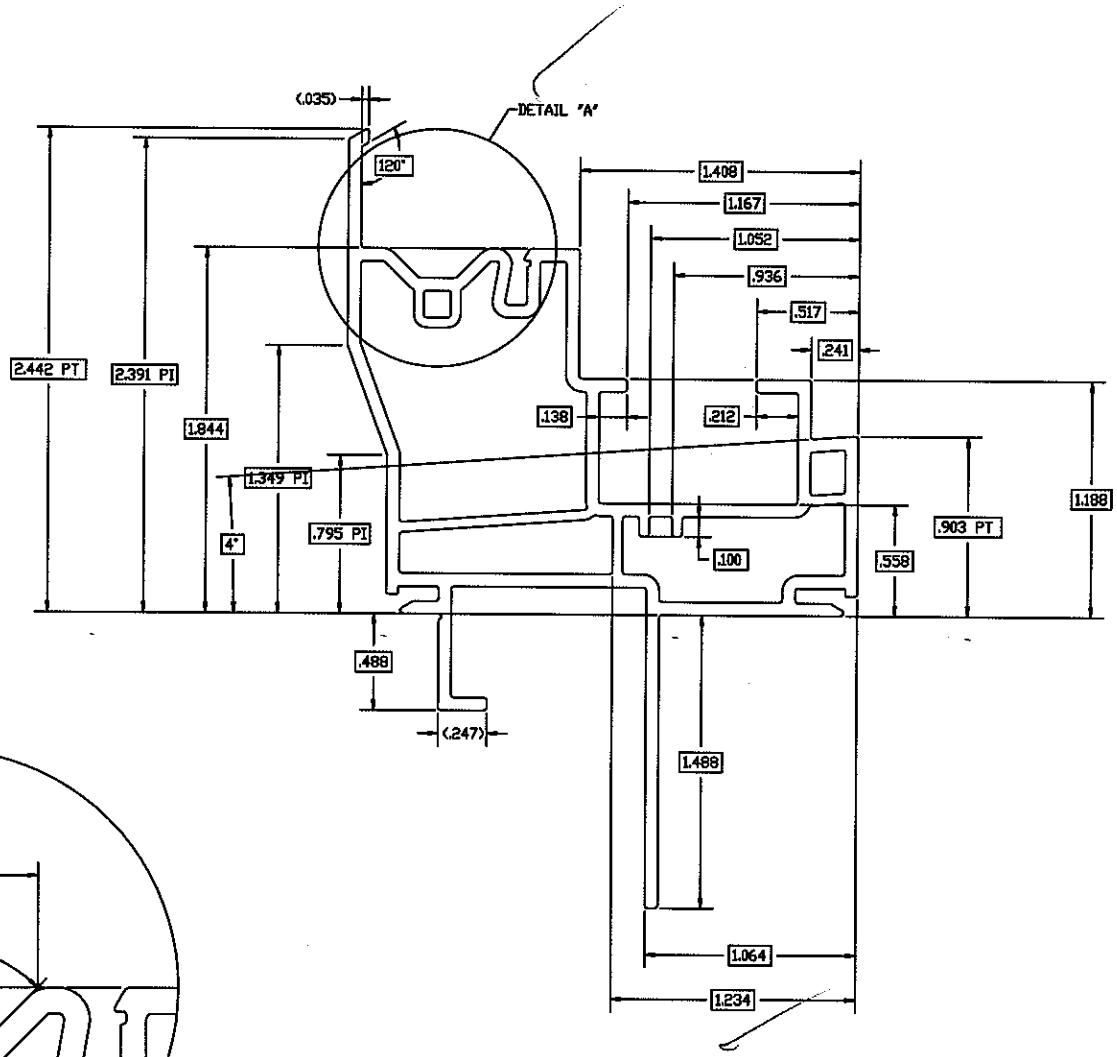
Part Wt (Lbs/Ft)	Rigid	Cap	Flex	Alum	Total
	.210	----	----	----	.210
	----	----	----	----	----

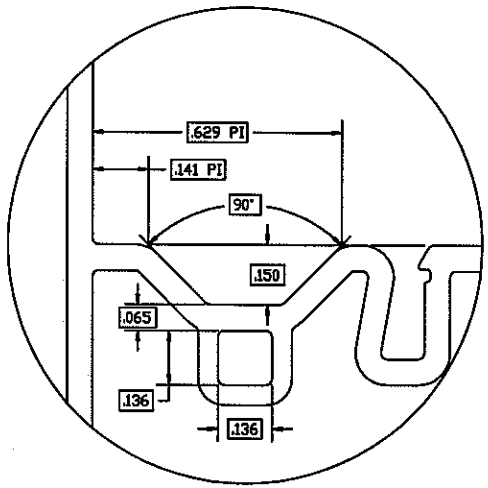
Dayton TECHNOLOGIES | deceuninck NORTH AMERICA

651 NORTH GARVER ROAD
MONROE, OHIO 45050

NAME:	STILE
DRAWN BY: MTC	DATE: 11/20/01
CHECKED BY:	DATE:
SCALE: 4 : 1 "B"	COLOR: ☐WH ☒BS ☐EB ☐EV ☒OTH
CUST. PART NO: 10003150	PART DWG. NO: 10003150-A

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





DETAIL "A"
SCALE: 4 : 1

Architectural Testing
Test Sample complies with these details.
Deviations are noted.
Report#
Date
Tech

UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ± 1°
2 PL: ± .01 3 PL: ± .005
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

DESIGN BY:	MTC
DATE:	03/12/03
DRAWN BY:	TJH
DATE:	04/05/04
AUTH:	
DATE:	
FILENAME:	Hpd/cad/parts/3172/10003172_SH4.mi

Dayton Technologies

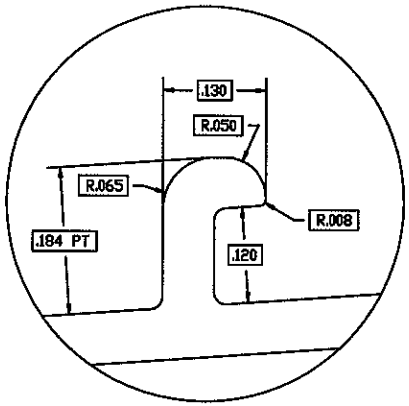
deceuninck NORTH AMERICA 251 NORTH GARVER ROAD MONROE, OHIO 45050

NAME:

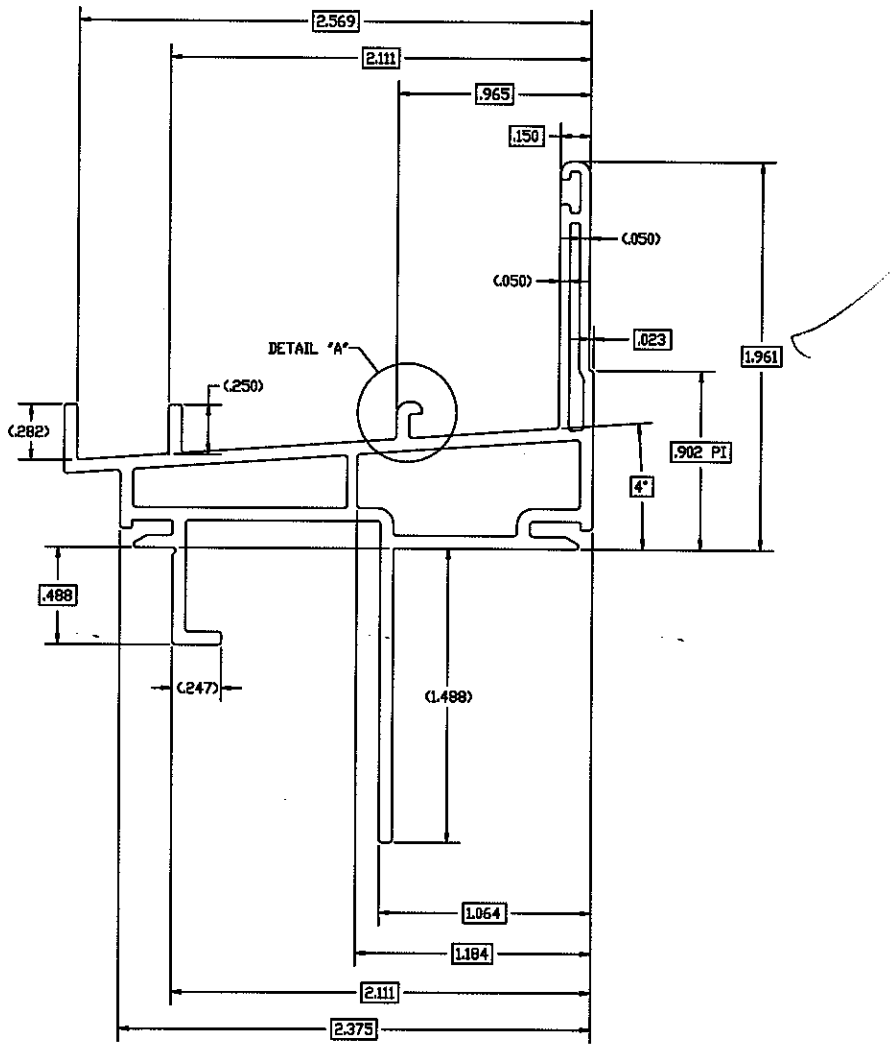
MAIN FRAME SH

C	DWG. NO: 10003172_SH4		REV. -
SCALE: 2 : 1	LBS/FT: .615	SHEET: 4	

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



DETAIL "A"
SCALE: 8 : 1



Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# SS 282
Date 11/19/08
Tech

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UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ± 1°
2 PL: ± .01 3 PL: ± .005
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994
THIRD ANGLE PROJECTION

DESIGN BY:	MTC
DATE:	03/12/03
DRAWN BY:	TJH
DATE:	04/02/04
AUTH:	
DATE:	
FILENAME:	Hpd/cad/parts/3171/10003171_SH3.ml

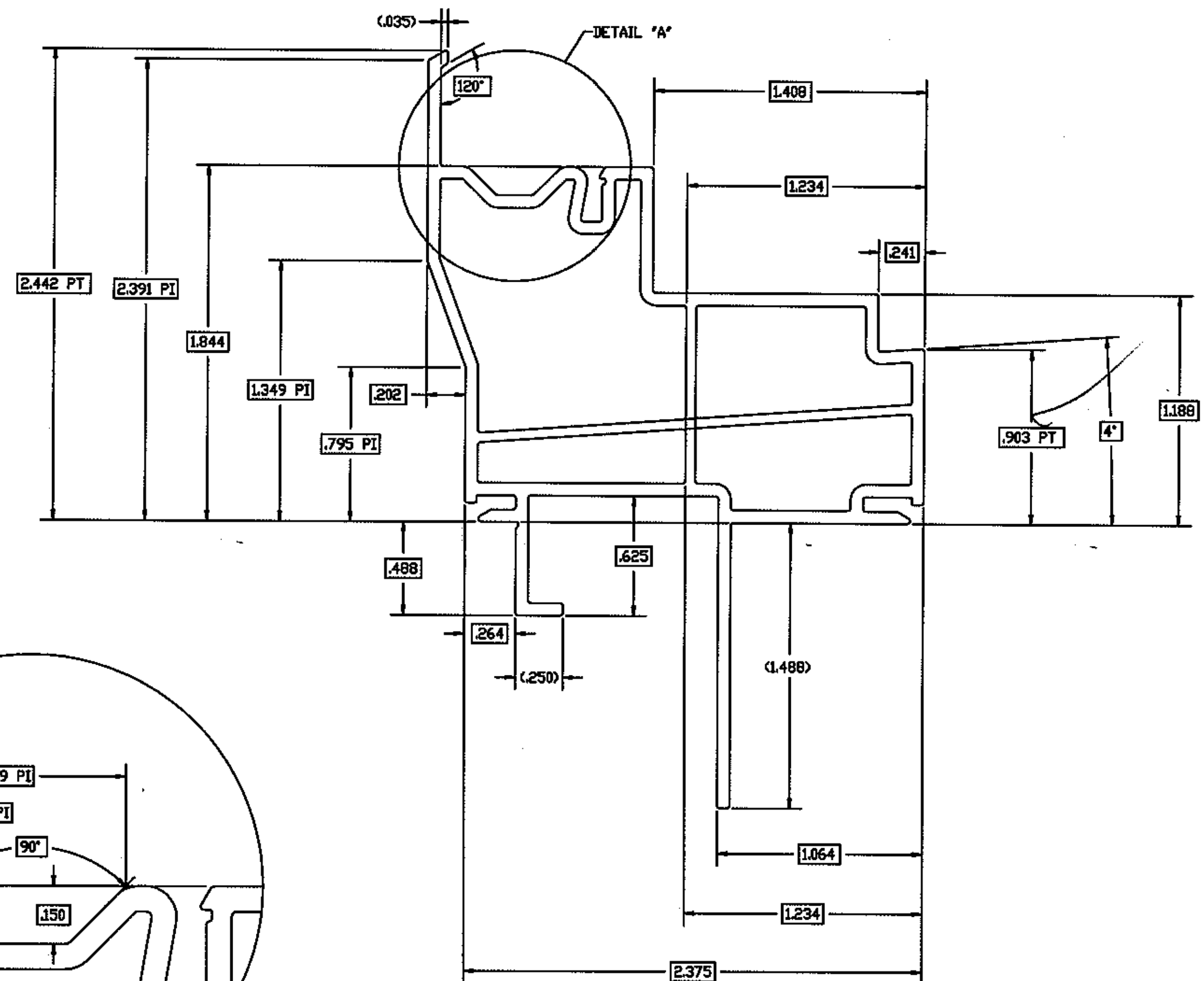
Dayton TECHNOLOGIES | deceuninc MOTION AMERICA | 251 NORTH GARVER ROAD MONROE, OHIO 45050

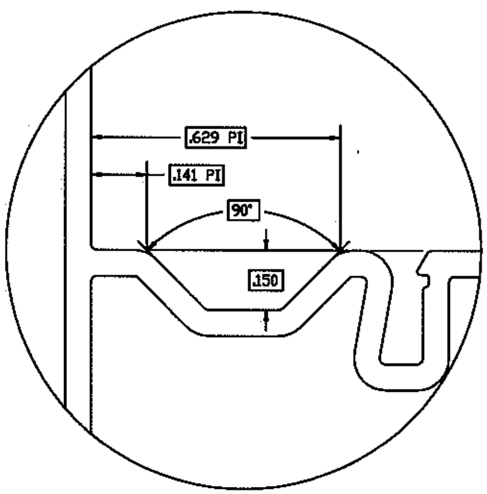
NAME: SILL FRAME SH

C	DWG. NO: 10003171_SH3		REV: A
SCALE: 2 : 1	LBS/FT: .471	SHEET: 3	

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

Architectural Testing
Test sample complies with these details. Deviations are noted.
Report# 55227
Date 11/18/05 Tech AB





DETAIL 'A'
SCALE: 4 : 1

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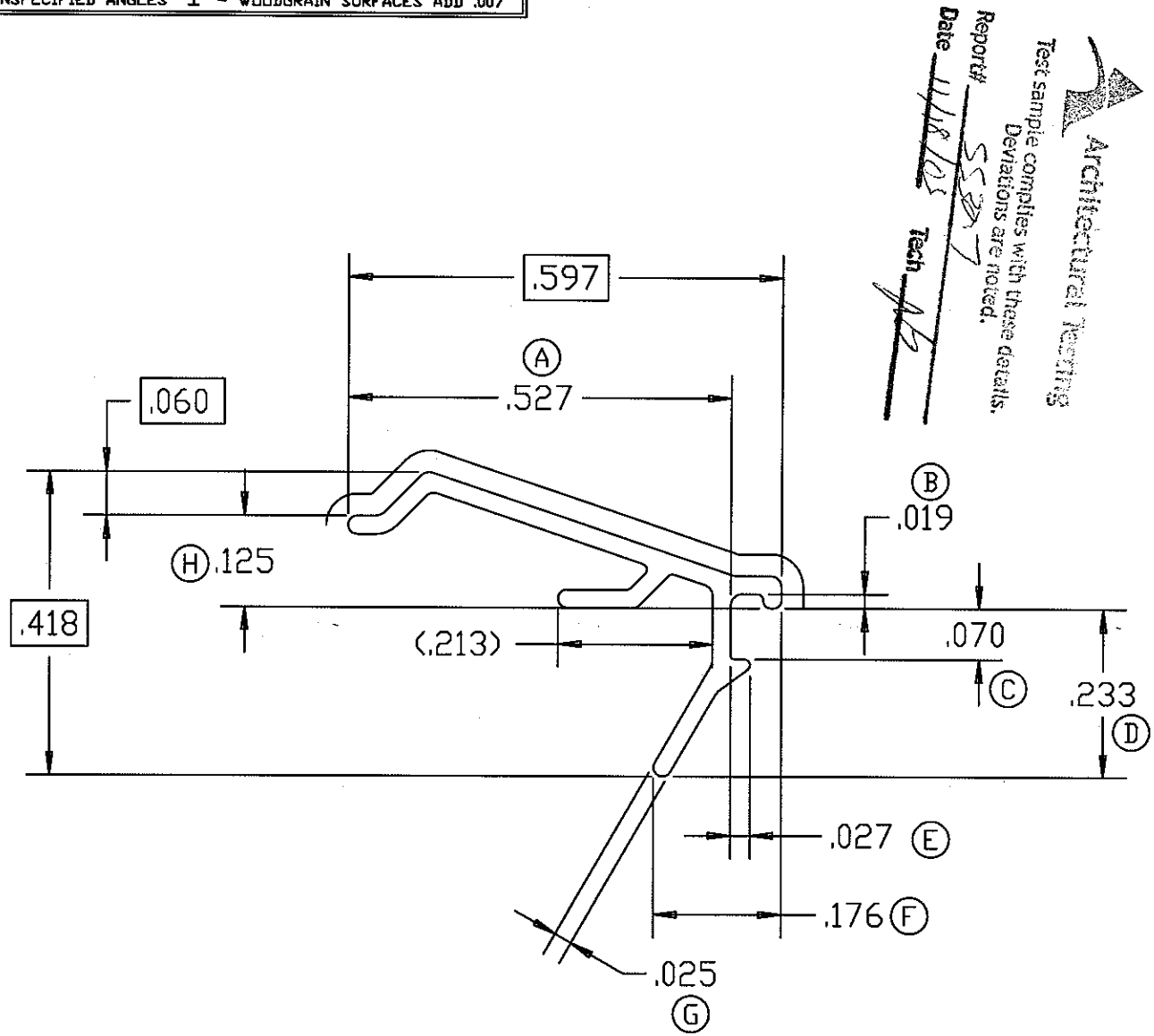
UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLE ± 1° 2 PL: ± .01 3 PL: ± .005 INTERPRET DIM AND TOL PER ASME Y14.5M - 1994 THIRD ANGLE PROJECTION	DESIGN BY: MTC DATE: 03/12/03 DRAWN BY: TAV DATE: 04/02/11 AUTH: DATE: FILENAME: Hpd/cad/parts/3170/10003170_SH3.ml	Dayton Technologies / deceuninck North America, COPYRIGHT 2004, 351 NORTH GARVER ROAD MONROE, OHIO 45050 NAME: HEAD FRAME - SH C DWG. NO: 10003170_SH3 SCALE: 2 : 1 (LBS/FT) N/A SHEET: 3	REV: -

UNLESS OTHERWISE NOTED THE FOLLOWING TOLERANCES APPLY			
.001 – .100	.005	1.001 – 1.500	.020
.101 – .500	.010	1.501 – 2.000	.025
.501 – 1.000	.015	2.001 – & UP	.030
UNSPECIFIED ANGLES 1 – WOODGRAIN SURFACES ADD .007			

——— = EXPOSED SURFACE
——— = WOODGRAIN SURFACE



PROFILE 10003191

REV.	DATE	DESCRIPTION	BY
A	03/08/19	INCREASE NUB "E" LENGTHEN BASE (.218)	JOE L
–	YY/MM/DD	---	---

FITS WITH: –

IMPACT AREA: Noted

CONTROL DIMENSIONS

DIM	METH	MIN	ENG	MAX	DIM	METH	MIN	ENG	MAX
A	V	.517	.527	.537	P				
B	V	.014	.019	.024	Q				
C	V	.065	.070	.075	R				
D	V	.223	.233	.243	S				
E	V	.020	.027	.034	T				
F	V	.166	.176	.186	U				
G	V	.020	.025	.030	V				
H	V	.115	.125	.145	W				
I					X				
J					Y				
K					Z				
L					AA				
M					BB				
N					CC				
O					DD				

COLOR WH (DS) EB EW OTH Cream White

PART WT. (LBS/FT)	RIGID	CAP	FLEX	ALUM	TOTAL
	.017	--	--	--	.017

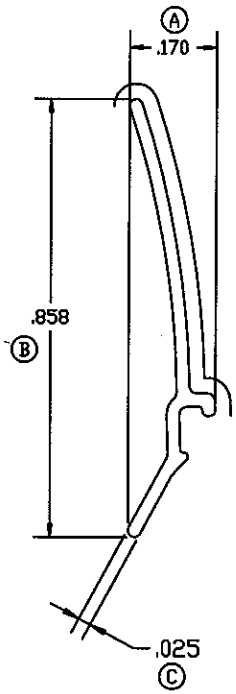
Dayton TECHNOLOGIES

PART NAME:	SCREEN RETAINER		
DRAWN BY:	TJH	DATE:	11/21/01
CHECKED BY:		DATE:	
DWG NO:	10003191-A	FILENAME:	pd/cad/parts/3191
DIE/CAL NO:	–	SCALE:	4 : 1

Notes:
1. All dimensions are in inches unless otherwise specified.

UNLESS OTHERWISE NOTED THE FOLLOWING TOLERANCES APPLY
.001 - .100 ± .005 1.001 - 1.500 ± .020
.101 - .500 ± .010 1.501 - 2.000 ± .025
.501 - 1.000 ± .015 2.001 - & UP ± .030
UNSPECIFIED ANGLES ± 1° - WOODGRAIN SURFACES ADD .007

—— = EXPOSED SURFACE —— = WOODGRAIN SURFACE



Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# SC 287
Date 11/8/02
Tech JD

REV.	DATE	DESCRIPTION	BY
A	01/22/02	REMOVED ORIGINAL B, C & D MODIFIED A, RENAMED F & E	MTC
B	08/26/02	A MIN WAS .150 B MAX WAS .878 C MAX WAS .030	MTC

FITS WITH: N/A

BDW CLASS: C IMPACT AREA: NOTED

CONTROL DIMENSIONS

DIM	METH	MIN	ENG	MAX	DIM	METH	MIN	ENG	MAX
A	□C	.145	.170	.190	X	--			
B	□C	.838	.858	.890	Y	--			
C	□C	.020	.025	.036	Z	--			
D	--				AA	--			
E	--				BB	--			
F	--				CC	--			
G	--				DD	--			
H	--				EE	--			
I	--				FF	--			
J	--				GG	--			
K	--				HH	--			
L	--				II	--			
M	--				JJ	--			
N	--				KK	--			
O	--				LL	--			
P	--				MM	--			
Q	--				NN	--			
R	--				OO	--			
S	--				PP	--			
T	--				QQ	--			
U	--				RR	--			
V	--				SS	--			
W	--				TT	--			

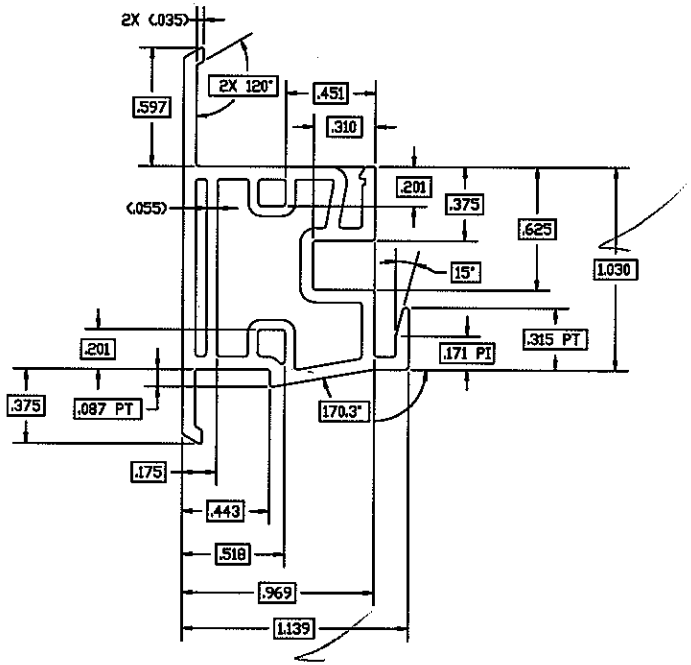
Part Wt. (Lbs/Ft)	Rigid	Cap	Flex	Alum	Total
	.015	-----	-----	-----	.015
	-----	-----	-----	-----	-----

ACTUAL SIZE:

DAYTON TECHNOLOGIES
A MEMBER OF THE DECEUNINCK GROUP
MONROE, OHIO

NAME: GLAZING BEAD
DRAWN BY: TJH DATE: 11/20/01
CHECKED BY: DATE:
SCALE: 5 : 1 "B" COLOR: ☐WH ☒BS ☐DB ☐EV ☒DTH
CUST. PART NO: 10003190 PART DWG. NO: 10003190-B

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



Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# S-827

Date 11/18/02

Tech

UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ± 1°
2 PL± ± .01 3 PL± ± .005
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994
THIRD ANGLE PROJECTION

DESIGN BY:	NTC
DATE:	03/12/03
DRAWN BY:	TJH
DATE:	04/02/06
AUTH:	
DATE:	
FILENAME:	Hpd/cad/parts/3173/10003173_SH3.mi

Dayton TECHNOLOGIES | decuninck NORTH AMERICA 351 NORTH GARVER ROAD MONROE, OHIO 45050

NAME: MEETING RAIL SH

C | DWG. NO: 10003173_SH3 | REV: -

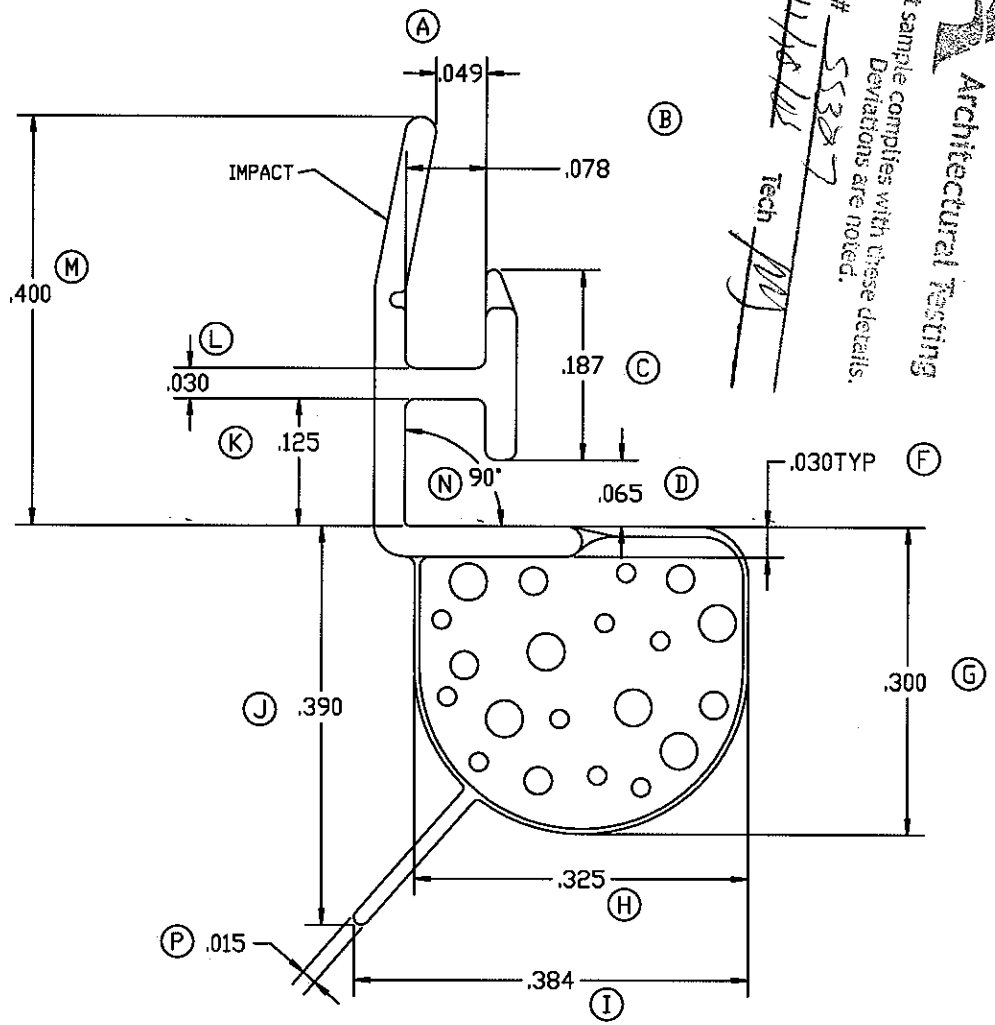
SCALE: 2 : 1 | LBS/FT: .310 | SHEET: 3

UNLESS OTHERWISE NOTED THE FOLLOWING TOLERANCES APPLY			
.001 – .100	± .005	1.001 – 1.500	± .020
.101 – .500	± .010	1.501 – 2.000	± .025
.501 – 1.000	± .015	2.001 – & UP	± .030
UNSPECIFIED ANGLES ± 1° – WOODGRAIN SURFACES ADD .007			

NOTES:
1. Uodate to 'XC-1331' rev.9 Amesbury 'Live Hinge' design.
   a. change dims. A, B, C, D, K, L, M, and P
   b. remove D dim.
   c. add P dim.
   d. revise weight to changed design information from Amesbury.

ACTUAL SIZE:

——— = EXPOSED SURFACE ——— = WOODGRAIN SURFACE



Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# 53227
Date 11/26/97
Tech

REV.	DATE	DESCRIPTION	BY
C	10-06-97	ADD TWO DIMENSIONS "N" & "D"	Joe L
D	10/13/97	REMOVE "E" & CHANGE "D"	Joe L
E	11/21/97	UPDATE DIMS TO "XC-133" rev. 7	Joe L
D	07/10/98	SEE NOTES	Joe L

FITS WITH: 5480M, 5481, 5700M, 8160, 8880

BOW CLASS: B — IMPACT AREA: NOTED

CONTROL DIMENSIONS

DIM	METH	MIN	ENG	MAX	DIM	METH	MIN	ENG	MAX
A	V	.039	.049	.059	X	--			
B	V	.073	.078	.083	Y	--			
C	V	.177	.187	.197	Z	--			
D	V	.055	.065	.075	AA	--			
E					BB	--			
F	V	.025	.030	.035	CC	--			
G	V	.285	.300	.315	DD	--			
H	V	.305	.325	.345	EE	--			
I	V	.364	.384	.404	FF	--			
J	V	.312	.390	.415	GG	--			
K	V	.115	.125	.135	HH	--			
L	V	.025	.030	.035	II	--			
M	V	.407	.432	.457	JJ	--			
N	V	90°	90°	95°	KK	--			
O	--				LL	--			
P	V	.008	.015	.022	MM	--			
Q	--				NN	--			
R	--				OO	--			
S	--				PP	--			
T	--				QQ	--			
U	--				RR	--			
V	--				SS	--			
W	--				TT	--			

Part Wt. (Lbs/Ft)	Rigid	Cap	Flex	Alum	Total
	-----	-----	-----	-----	.0235
	-----	-----	-----	-----	----

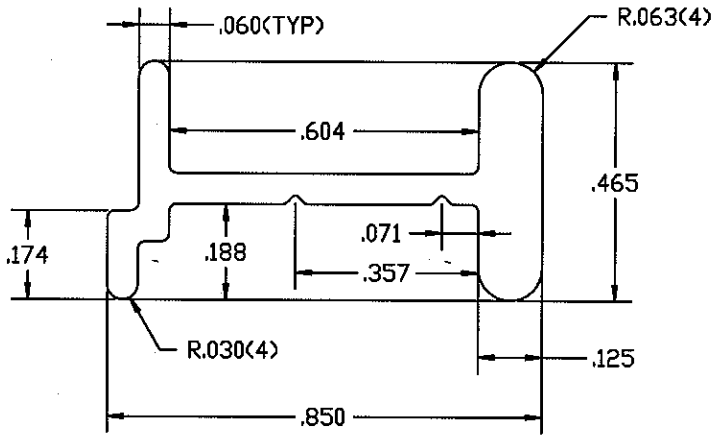
DAYTON TECHNOLOGIES
MONROE, OHIO

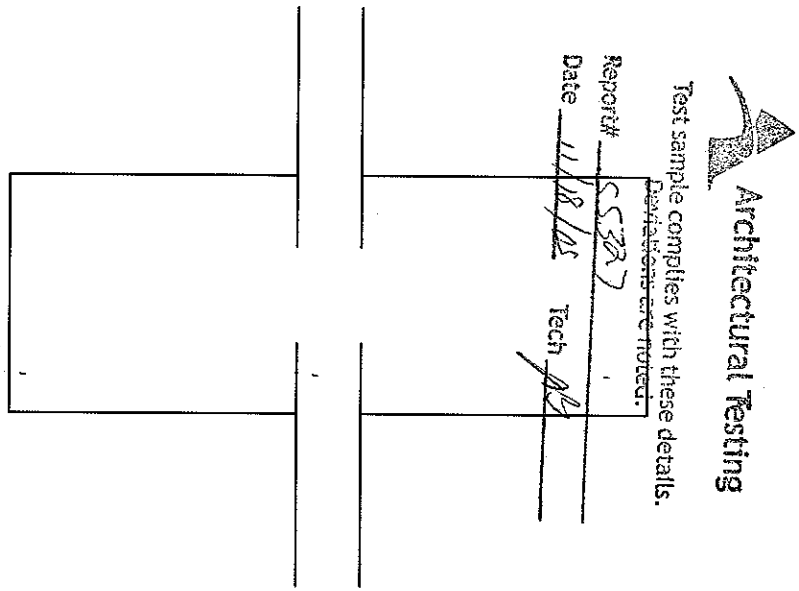
NAME: LEAF BULB SEAL
DRAWN BY: Joe L — DATE: 12 June 1997
CHECKED BY: — DATE:
SCALE: 8 : 1 "B" — COLOR: ☒WH ☐BG ☐BE ☐EV ☐OTH
CUST. PART NO: 8206 — PART DWG. NO: P8206–F

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. Unspecified Radii = 0.015.
4. Material to be aluminum alloy 6063-T5.

REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
⊟	------	YR/MTH/DAY	

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





UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ± .XX°
2 PL ± .XX 3 PL .XXX
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

Dayton TECHNOLOGIES | deceuninck NORTH AMERICA
351 NORTH GARVER ROAD
MONROE, OHIO 45050

NAME: BOTTOM RAIL REINFORCEMENT

B | DWG. NO: 10300047

SCALE: 4 : 1 | (Lbs/Ft) 0.145 | SHEET: 1 OF 1

NOTES:
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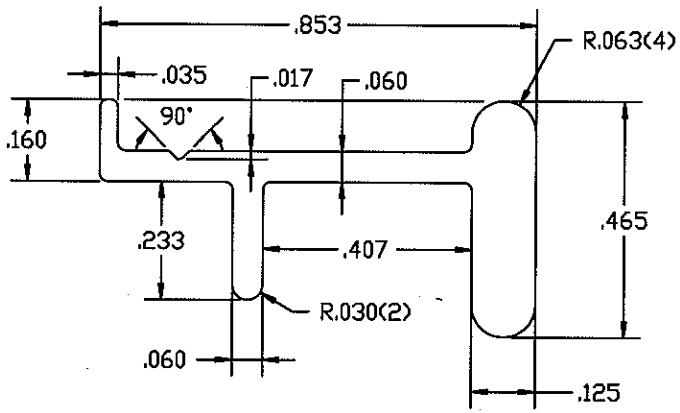
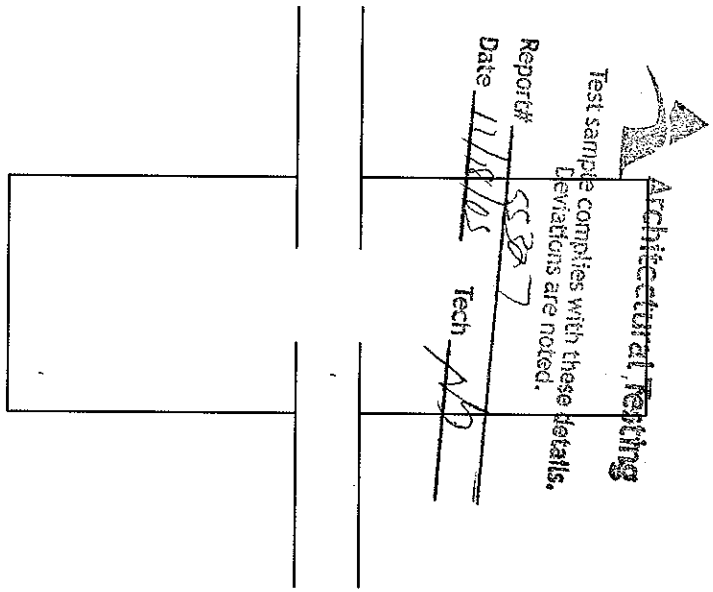
2. DAYTON TECHNOLOGIES reserves the right to change specifications.
3. Unspecified Radii = 0.015.
4. Material to be aluminum alloy 6063-T5.

REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
⊟	-----	YR/MTH/DAY	

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





UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ± .XX°
2 PL ± .XX 3 PL .XXX
INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

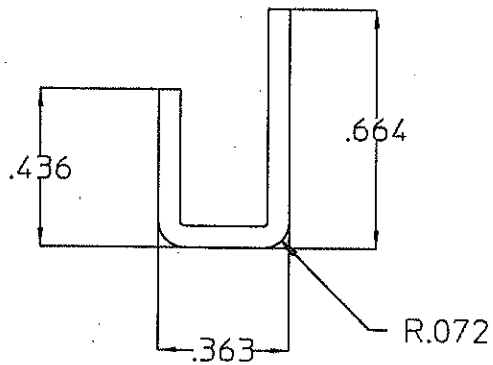
Dayton TECHNOLOGIES | deceuninck NORTH AMERICA
351 NORTH GARVER ROAD
MONROE, OHIO 45050

NAME: SASH REINFORCEMENT

B | DWG. NO: 10300046

SCALE: 4 : 1 | (Lbs/Ft) 0.138 | SHEET: 1 OF 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# SS 277
Date 4/18/05
Tech

TOLERANCE UNLESS OTHERWISE SPECIFIED
DECIMAL +.000 -.020
ANGULAR

HYGRADE METAL MOULDING

MATERIAL	TITLE	DWG NO.	REV.
.060 GALV.		ST-494	NEW
DRAWN BY RCM	SCALE 2:1	DATE 6-10-04	APPROVED BY MAG