

TEST REPORT

Report No.: B7507.01-801-47

Rendered to:

Croft LLC
Magnolia, MS

PRODUCT TYPE: 4440
SERIES/MODEL: Fixed Window

SPECIFICATION: AAMA/WDMA/CSA 101/I.S.2/A440-08, *NAFS - North American Fenestration Standard/Specification for Windows, Doors, and Skylights*

Title	Summary of Results	
	Test Specimen #1	Test Specimen #2
Primary Product Designator	Class R-PG50 2438 x 1524 (96 x 60) Type FW	Class R-PG50 1829 x 1829 (72 x 72) Type FW
Design Pressure	±2400 Pa (±50.13 psf)	±2400 Pa (±50.13 psf)
Air Infiltration	0.10 L/s/m ² (0.02 cfm/ft ²)	-
Water Penetration Resistance Test Pressure	360 Pa (7.52 psf)	-

Test Completion Date: 04/02/2012

Reference must be made to Report No. B7507.01-801-47 dated 05/08/2012 for complete test specimen description and detailed test results.



1.0 Report Issued To: Croft LLC
P.O. Box 826
McComb, MS 39649

2.0 Test Laboratory: Architectural Testing, Inc.
2865 Market Loop
Southlake, Texas 76092
(817)410-7202

3.0 Project Summary:

3.1 Product Type: Fixed Window

3.2 Series/Model: 4440

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test method(s). The specimen tested successfully met the performance requirements for a Class R-PG50 2438 x 1524 (96 x 60) Type FW rating and Class R-PG50 1829 x 1829 (72 x 72) Type FW rating.

3.4 Test Dates: 02/28/2012 - 04/02/2012

3.5 Test Record Retention End Date: All test records for this report will be retained until May 08, 2016.

3.6 Test Location: Croft LLC test facility in Magnolia, Mississippi. Calibration of test equipment was performed by Architectural Testing in accordance with AAMA 205-01 "In-Plant Testing Guidelines for Manufacturers and Independent Laboratories".

3.7 Test Sample Source: The test specimens were provided by the client. Representative samples of the test specimens will be retained by Architectural Testing for a minimum of four years from the test completion date.

3.8 Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Architectural Testing per the drawings located in Appendix B. Any deviations are documented herein or on the drawings.

3.9 List of Official Observers:

<u>Name</u>	<u>Company</u>
Jim Bitz	Croft LLC
Paul Osprey	Croft LLC
Clint Barnett	Architectural Testing, Inc.



4.0 Test Specification(s):

AAMA/WDMA/CSA 101/I.S.2/A440-08, *NAFS - North American Fenestration Standard/Specification for Windows, Doors, and Skylights*

5.0 Test Specimen Description:

5.1 Product Sizes:

Test Specimen #1

Overall Area: 3.7 m ² (40 ft ²)	Width		Height	
	millimeters	inches	millimeters	inches
Overall size	2438	96	1524	60

Test Specimen #2

Overall Area: 3.3 m ² (36 ft ²)	Width		Height	
	millimeters	inches	millimeters	inches
Overall size	1829	72	1829	72

The following descriptions apply to all specimens.

5.2 Frame Construction:

Frame Member	Material	Description
All members	Aluminum	Extruded

	Joinery Type	Detail
All corners	Coped & butted	Sealed & secured with 2 #8 x 1" truss head screw



5.0 Test Specimen Description: (Continued)

5.3 Weatherstripping: No weatherstripping was utilized.

5.4 Glazing: *No conclusions of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen(s) can be made.*

Test specimen # 1

Glass Type	Spacer Type	Interior Lite	Exterior Lite	Glazing Method
5/8" IG	Aluminum U-Shaped	1/8" Tempered	1/8" Tempered	Interior wet glazed

Location	Quantity	Daylight Opening		Glass Bite
		millimeters	inches	
Fixed lite	1	2391 x 1461	94-1/8 x 57-1/2	0.50"

Test specimen # 2

Glass Type	Spacer Type	Interior Lite	Exterior Lite	Glazing Method
5/8" IG	Aluminum U-Shaped	3/16" Annealed	3/16" Annealed	Interior wet glazed

Location	Quantity	Daylight Opening		Glass Bite
		millimeters	Inches	
Fixed lite	1	1781 x 1781	70-1/8 x 70-1/8	0.50"

5.5 Drainage: No drainage was utilized.

5.6 Hardware: No hardware was utilized.

5.7 Reinforcement: No reinforcement was utilized.

5.8 Screen Construction: No screen was utilized during testing.



6.0 Installation:

The specimen was installed into a Spruce-Pine-Fir wood buck. The rough opening allowed for a 1/4" shim space. Screws were anchored through the aluminum glazing bead, and the frame into the wood buck. The window was sealed to the wood buck with silicone around the exterior perimeter joint.

Location	Anchor Description	Anchor Location
Head, Sill, Jambs	1-5/8" pan head screw	2" from each corner then 12" full perimeter



7.0 Test Results: The temperature during testing was 24°C (75°F). The results are tabulated as follows:

Test specimen #1

Title of Test	Results	Allowed	Note
Air Leakage, Infiltration per ASTM E 283 at 75 Pa (1.57 psf)	0.36 L/s/m ² (0.07 cfm/ft ²)	1.5 L/s/m ² (0.3 cfm/ft ²) max.	1
Water Penetration, per ASTM E 547 at 140 Pa (2.92 psf)	N/A	N/A	2
Uniform Load Deflection, per ASTM E 330 taken on frame jamb +720 Pa (+15.04 psf) -720 Pa (-15.04 psf)	N/A	N/A	2
Uniform Load Structural, per ASTM E 330 taken on frame jamb +1080 Pa (+22.56 psf) -1080 Pa (-22.56 psf)	N/A	N/A	2
Forced Entry Resistance, per ASTM F 588 Type: D - Grade: 10	Pass	No entry	
Optional Performance			
Water Penetration, per ASTM E 547 at 360 Pa (7.52 psf)	Pass	No leakage	
Uniform Load Deflection, per ASTM E 330 taken on frame jamb +2400 Pa (+50.13 psf) -2400 Pa (-50.13 psf)	1 mm (0.02") 1 mm (0.01")	Report Only	3, 4, 5
Uniform Load Structural, per ASTM E 330 taken on frame jamb +3600 Pa (+75.19 psf) -3600 Pa (-75.19 psf)	1 mm (0.01") 1 mm (0.01")	2 mm (0.06") max. 2 mm (0.06") max.	4, 5



7.0 Test Specimen Description: (Continued)

Test specimen #2

Water Penetration, per ASTM E 547 at 360 Pa (7.52 psf)	Pass	No leakage	
Uniform Load Deflection, per ASTM E 330 taken on frame jamb +2400 Pa (+50.13 psf) -2400 Pa (-50.13 psf)	1 mm (0.03") < 1 mm (0.01")	Report Only	3, 4, 5
Uniform Load Structural, per ASTM E 330 taken on frame jamb +3600 Pa (+75.19 psf) -3600 Pa (-75.19 psf)	< 1 mm (0.01") 1 mm (0.04")	2 mm (0.06") max. 2 mm (0.06") max.	4, 5

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

Note 2: The client opted to start at a pressure higher than the minimum required. Test results are reported under Optional Performance.

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

Note 4: Loads were held for 10 seconds.

Note 5: 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.



Architectural Testing will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be retained by Architectural Testing, Inc. for the entire test record retention period.

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.

Clint Barnett
Technician

Andy Cost
Laboratory Manager

CB:hd

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

Appendix-A: Alteration Addendum (1)

Appendix-B: Drawings (7) complete drawings packet on file with Architectural Testing, Inc.

Appendix A

Alteration Addendum

Note: *No alterations were required.*

Appendix B

Drawings

***Note:** Complete drawings packet on file with Architectural Testing, Inc.*

BOM

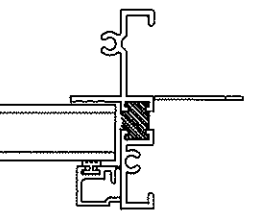
Series 4440FPW					
	Product height	36			
	Product width	36			
	Finish	W			
	PARENT PART NUMBER		PARENT DESCRIPTION		
	0		0		
ITEM NO.	PART NUMBER	SECTION NUMBER	PART DESCRIPTION	QTY	UOM
			ALUMINUM		
1	60413	4015	FRAME HEAD	1.079	LB
2	60417	4016	FRAME SILL	1.079	LB
3	60418	4017	FRAME JAMB - RIGHT	1.513	LB
4	60419	4018	FRAME JAMB - LEFT	1.189	LB
5	51319	4032	ALUM HORIZONTAL GLAZING BEAD	#N/A	LB
			VINYL		
6	00236	SECT.	HORIZ/VERTICAL GLAZING BEAD	.133	LB
			PURCHASE PARTS		
7	P30064	-	SCREW #8X1 PRPHSMS-A	8.000	EA
8	P31918	-	SCREW #6X1 PRPHSMS-TEK	9.000	EA
9	P90018	-	SIDE PADS	6.000	EA
10	#REF!	-	#REF!	#REF!	LB
11	P20005	-	POLYSTRAPPING	19.000	FT
12	P79120	-	PRODUCT LABEL SELF ADHESIVE FPW	1.000	EA
13	L62216	-	ARGON GAS LABEL	.000	EA
14	P74024	-	AAMA/NFRC CERTIFICATION LABEL	1.000	EA
15	P70055	-	DATE LABEL	1.000	EA
			INSULATED PANELS		
16	60	-	FPW INSULATED GLASS PANEL	1.000	EA



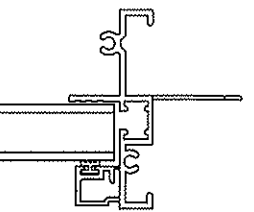
Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# B7507.01
Date 7/11/12 Tech cb

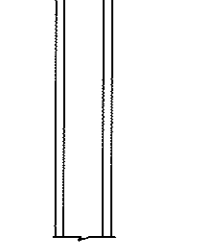
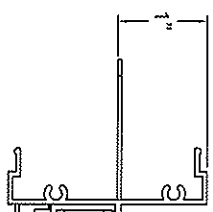


SELF-MULLING FRAME TYPICAL

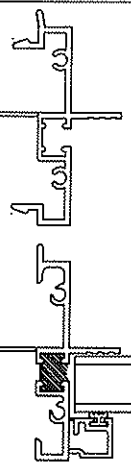


SERIES 4440 FIXED PICTURE WINDOW
WITH THERMAL BREAK

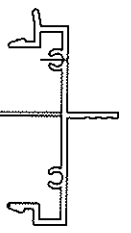
5/8" OVER-ALL GLASS



4400 FIXED PICTURE WINDOW



4440 TRANSOM
PICTURE WINDOW
SILL



4400 TRANSOM
PICTURE WINDOW
SILL

SERIES 4440 FIXED PICTURE WINDOW
WITH THERMAL BREAK

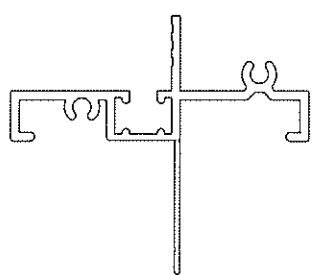
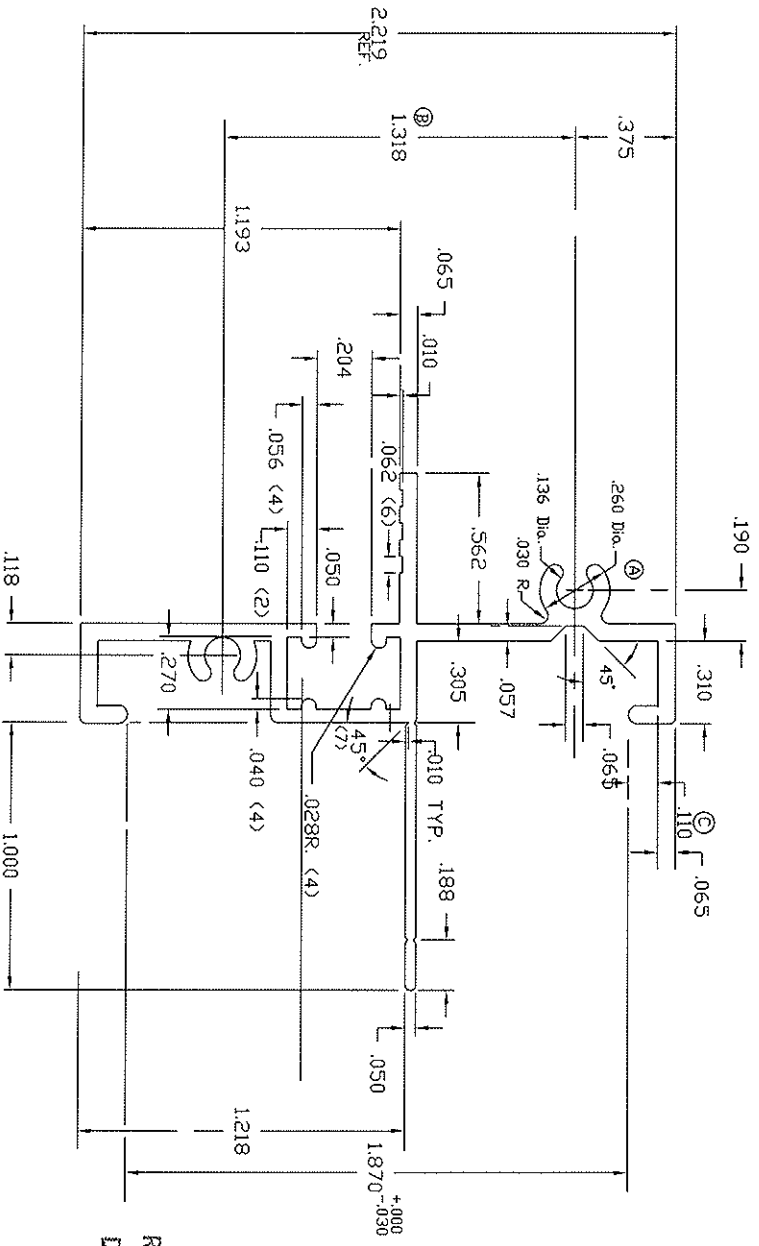
4400 FIXED PICTURE WINDOW

METAL GLAZING
1" NAILING FIN AROUND
ENTIRE PERIMETER

Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# B750701
Date 7/11/12 Tech lh

TOLERANCE NOT NOTED DEC. 4.000 FIN. 41/64

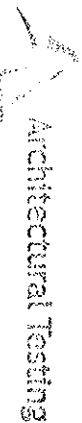
REGIONS:	
CROFT METALS, INC.	
SERIES: 4400/4440	STYLE: 4000
FIXED PICTURE WINDOW	
PRODUCT DESIGN	
DWN: J.T.	SCALE: FULL
OKD:	DATE: 2/7/91
APP:	DATE:
PRINT NO.: 4000-02	SECTION NO.:



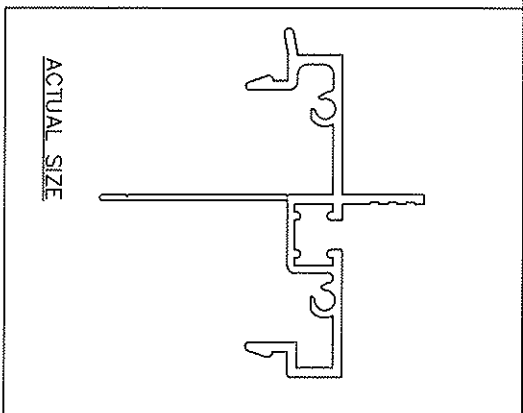
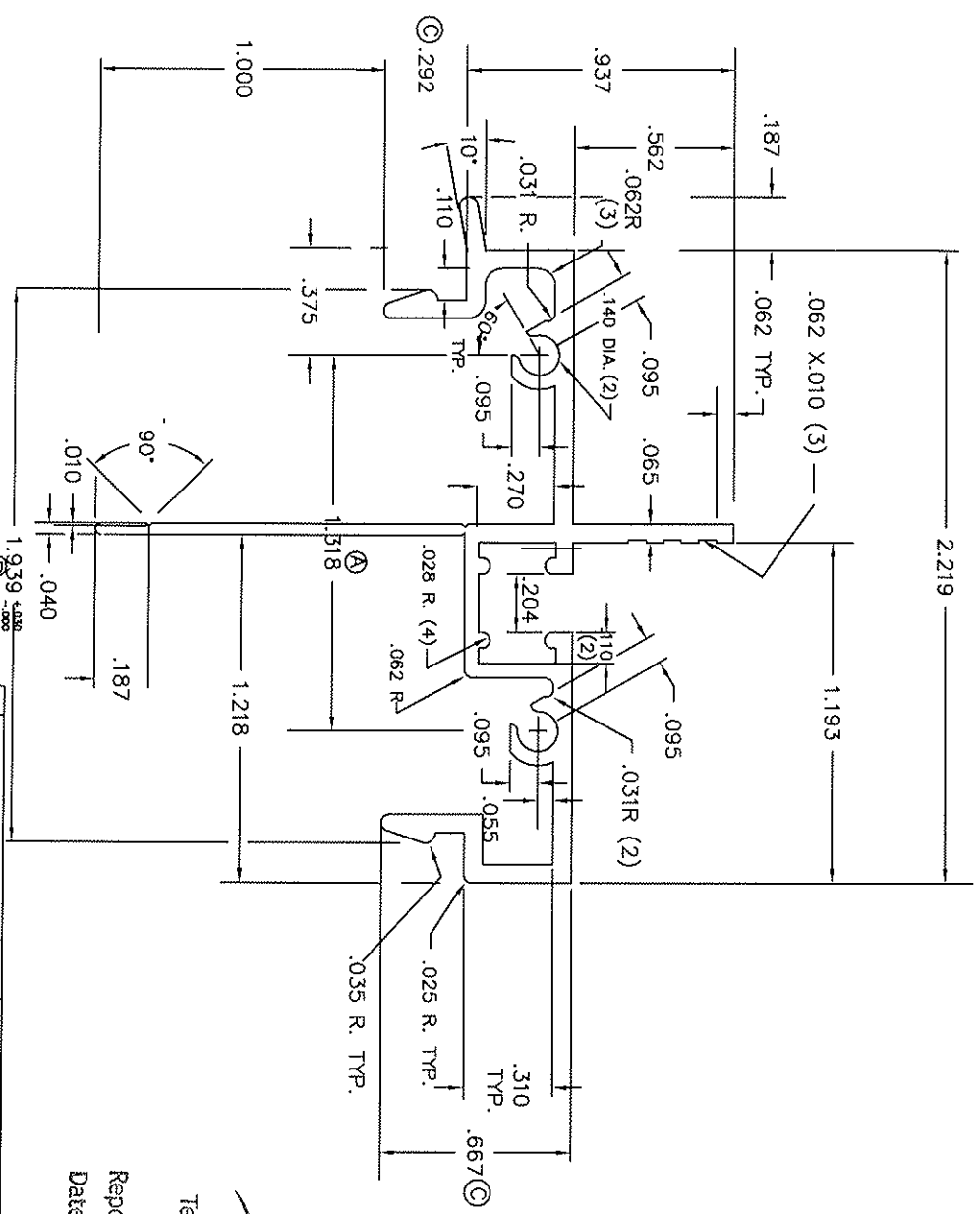
ACTUAL SIZE

Test sample complies with these details.
Deviations are noted.

Report# B7507.01
Date 7/11/12 Tech CB



UNLESS NOTED OTHERWISE THE FOLLOWING APPLIES		CROFT METALS, INC.	
C 1/16" nos 7820	KT	PART NAME: FRAME HEAD	CIRCLE SIZE: 1/2"
B 1/318" nos 20850	KT	SERIES: 4400/4420/4440	MATERIAL: 6063 T5
A 1/318" nos 1469	KT	STYLE: RFL/TI/TB	SCALE: 2X
STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		EST. WT. PER FT.: 3.78	LB. DWN BY: JKT
PLEASE NOTE: DIE CONSTRUCTION WILL BE APPROVED PRINTS RECORD COPY OF EXACT DIE CUTTING DRAWING		EST. PERIMETER: 12.468	DATE: 11/10/99
APPROVED _____ DATE _____		SURF. AREA: 1.039	IN. CKD. BY: _____
FIRST RUN WT. _____		EXTRUSION SHAPE	SECT NUMBER
		<input type="checkbox"/> SOLID <input type="checkbox"/> HOLLOW	4015
		<input type="checkbox"/> BACKER <input type="checkbox"/> BOLLSTER	PRINT NO: 4000-215

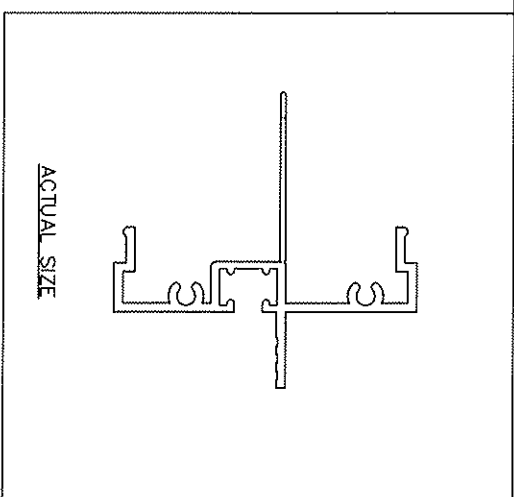
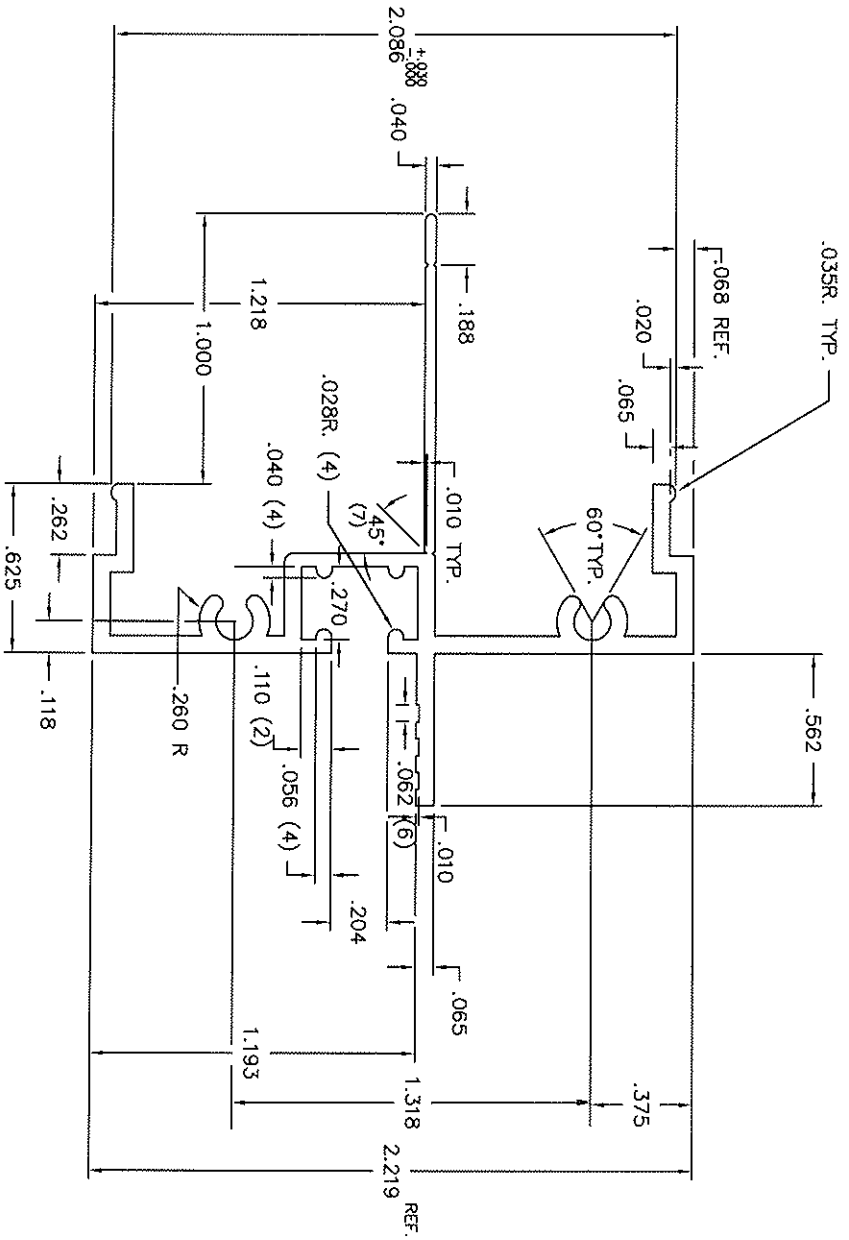


Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# B7507.01
Date 7/11/12 Tech CB

D ROTATED SCREW BOSSES ADDED RADI .292 WAS .262 .667 WAS .637		JR 3/00	FOLLOWING APPLIES STANDARD WALL THICKNESS .062 RADI ALL CORNERS .015		UNLESS NOTED OTHERWISE CHDFT METALS, INC. <small>COMPANY 1876 G STREET METALS, INC.</small>			
B 1.939 WAS 2.050 A 1.318 WAS 1.469		KT 7/29/2000 KT 7/29/2000	DIE HOLES PRESS _____ TONS BILLET _____ DIA. BACKER _____ BOLSTER _____ FIRST RUN WT. _____		PART NAME: FRAME SILL SERIES: 4420FPW/4440FPW STYLE: TFPW/TBFPW EST. AREA: 425 EST. WT. PER FT.: .510 LB. EST. PERIMETER: 15.709 IN. SURF. AREA: 1.31 SQ. FT./FT.		CIRCLE SIZE: 2 1/2" MATERIAL: 6063 T5 SCALE: 2X DWN. BY: JKT DATE: 1/99 CKD. BY: _____ DATE: _____ SECT. NUMBER 4016	
STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED			PLEASE NOTE DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED PRINTS. PLEASE CONTACT SERVICE				PRINT NO.: 4000-216	
APPROVED _____ DATE _____								

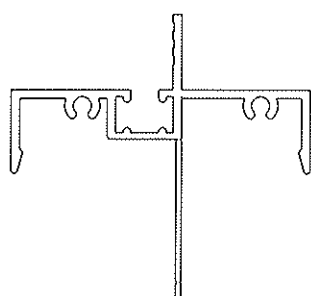
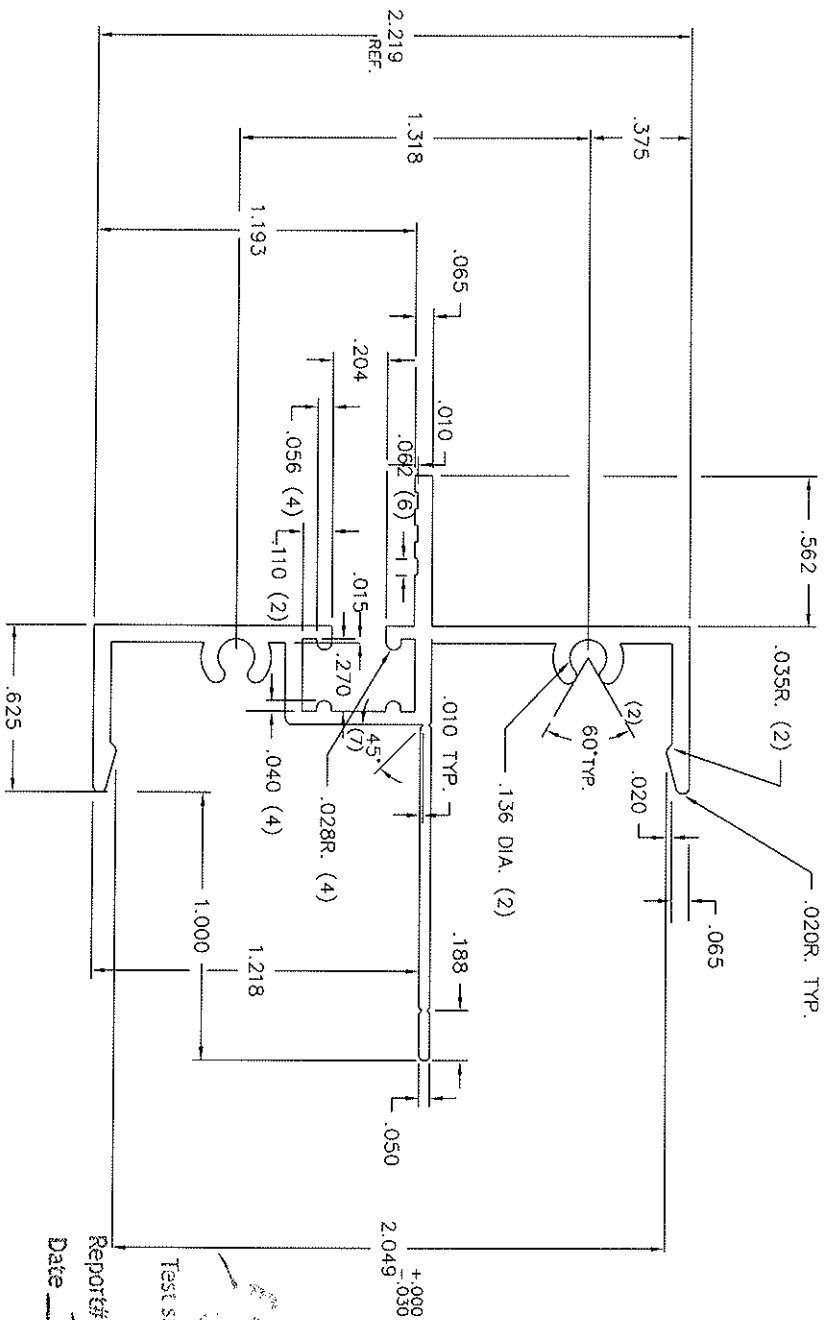


Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# B2507.e1
Date 7/11/12 Tech TS

UNLESS NOTED OTHERWISE THE FOLLOWING APPLIES		PART NAME: FRAME JAMB - RH	
STANDARD WALL	.065	THICKNESS	.065
RADI ALL CORNERS .015		WEBSITER	1/2" DIA
HARDNESS SCALE 8-12		DIE HOLES	
PRESS _____ TONS		BILLET _____ DIA	
BACKER _____		BOLSTER _____	
FIRST RUN WT. _____			
CROFT, LLC Copyright 1996 by Croft, LLC		CIRCLE SIZE: 2 1/2"	
SERIES: 4420FPW/4440FPW		MATERIAL: 6063 T5	
STYLE: T1FPW/TBFPW		SCALE: 2x	
EST. AREA: .401	SQ. IN.	DWN. BY: R	DATE: 1/99
EST. WT. PER FT.: .481	LB.	CHK. BY:	
EST. PERIMETER: 13.937	IN.	DATE: 1/99	
SURF. AREA: 1.161	SQ. FT./FT.	SECT. NUMBER	4017
EXTRUSION SHAPE		PRINT NO.:	4000-217
<input checked="" type="checkbox"/> SOLID	<input type="checkbox"/> HOLLOW	<input type="checkbox"/> SPEC	
DIE CONSTRUCTION SHALL BE HEAD UP PERIODIC RECEIPT OF APPROVED PRINTS. NAME SHOULD BE ON DRAWING		APPROVED	DATE



Architectural Torsing
 Test sample complies with these details.
 Deviations are noted.

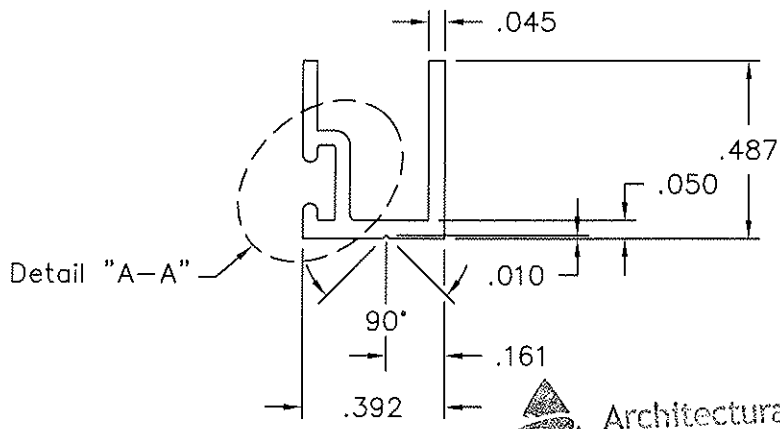
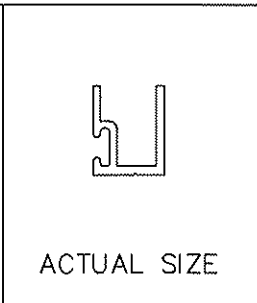
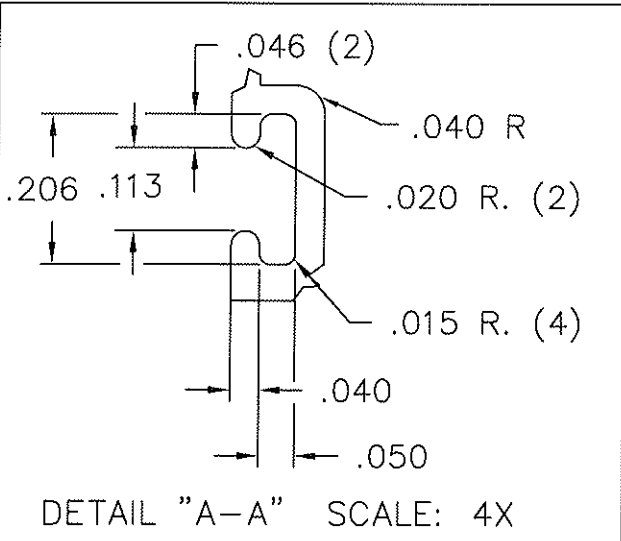
Report# B75-7.01
 Date 7/11/12 Tech LB

UNLESS NOTED OTHERWISE THE FOLLOWING APPLIES		STANDARD WALL THICKNESS .062		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
GEN-279 PART DESC. "J"		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
A WAS TH		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
GEN-279 PART DESC. "J"		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		PLEASE NOTE		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	

UNLESS NOTED OTHERWISE THE FOLLOWING APPLIES		STANDARD WALL THICKNESS .062		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
GEN-279 PART DESC. "J"		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
A WAS TH		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
GEN-279 PART DESC. "J"		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		PLEASE NOTE		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	

UNLESS NOTED OTHERWISE THE FOLLOWING APPLIES		STANDARD WALL THICKNESS .062		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
GEN-279 PART DESC. "J"		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
A WAS TH		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
GEN-279 PART DESC. "J"		STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		PLEASE NOTE		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	
APPROVED _____ DATE _____		DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED DRAWING		RADI ALL CORNERS .015		WEBSTER HARDNESS SCALE 8-12		DIE HOLES		PRESS. _____ TONS		BILLET _____ DIA.		BACKER _____		BOLSTER _____		FIRST RUN WT. _____	

CROFFT, LLC
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 Part Name: FRAME JAMB - LH (A)
 Series: 4420FPW/4440FPW
 Style: 11FPW/18FPW
 Est. Area: .315
 Est. Wt. Per Ft.: .378
 Est. Perimeter: 12.468
 Surf. Area: 1.039
 Circle Size: 2 1/2"
 Material: 6063 T5
 Scale: 2x
 In. Dwn. By: TR
 Date: 1/99
 Sect. Number: 4018
 Print No.: 4000-218



Test sample complies with these details.
Deviations are noted.

Report# B7507.01
Date 7/11/12 Tech CB

BUL. 9100-163 NEW RELEASE		TGT 11/5/02
STANDARD COMMERCIAL TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS OTHERWISE SPECIFIED		
PLEASE NOTE DIE CONSTRUCTION WILL BE HELD UP PENDING RECEIPT OF APPROVED PRINTS. PLEASE INDICATE EXPOSED SURFACE		
APPROVED	DATE	

UNLESS NOTED OTHERWISE THE FOLLOWING APPLIES	
STANDARD WALL THICKNESS	.040
RADI ALL CORNERS	.015
WEBSTER HARDNESS SCALE	8-12
DIE HOLES	
PRESS	TONS
BILLET	DIA.
BACKER	
BOLSTER	
FIRST RUN WT.	

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PART NAME: FPW/Decorative Wd. Glazing Bead			
SERIES: 4000/9100/7100		CIRCLE SIZE: 11/16	
STYLE: TI/TB		MATERIAL: 6063 T5	
EST. AREA: .063	SQ. IN.	SCALE: 2x	
EST. WT. PER FT.: .076	LB.	DWN. BY: JKT DATE: 5/12/2000	
EST. PERIMETER: 2.927	IN.	CKD. BY: DATE:	
SURF. AREA: .713	SQ. FT./FT.	SECT. NUMBER	
EXTRUSION SHAPE		4032	
SOLID <input checked="" type="checkbox"/>	SEMI-HOLLOW <input type="checkbox"/>	HOLLOW <input type="checkbox"/>	SPEC. <input type="checkbox"/>
PRINT NO.: 4000-232			

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