



## **SERIES 6200 HORIZONTAL SLIDING WINDOW SYSTEM**

PRODUCT SPECIFICATIONS | EXTRUSION DETAILS | TEST REPORTS



## SERIES 6200 HORIZONTAL SLIDING WINDOW SYSTEM

### INTRODUCTION

Series 6200 product line uses 6063 extruded aluminum age hardened to a T-6 rating for strength and durability. The frame and panels use the pour-and-debridge method for thermal break.

The pour and debridge thermal break profiles are extruded as a single extrusion with a cavity for the thermal break material. Once the profile is extruded, the cavity is filled with a two part polyurethane that has a low coefficient of thermal conductivity. After the polyurethane has cured, a saw is used to debridge the profile by ripping the aluminum web of the cavity. The profile is now thermally broken, providing both improved thermal performance as well as improved condensation resistance.

The Series 6200 Horizontal Sliding Window is available in the following finishes:

- Class I Clear Anodized\*\*
- Class I Bronze Anodized\*\*
- \*\* Indicates Finishes In Stock.

### STRUCTURAL TESTING

Series 6200 horizontal sliding window have been tested to AAMA/WDMA/CSA101/1.5.2/A440-17 standards as listed below: (Please see test reports located in the back of this section for window sizes.)

- Series 6200 Thermal Break Horizontal Sliding Window XO CW35
- Series 6200 Thermal Break Horizontal Sliding Window XOX- LC30

All Weather has comprehensive files containing all historical testing. Each of the tests in the proceeding list are current, however, our archived testing may be more specific for your particular project and will be provided upon request.

### **ACOUSTICAL TESTING**

All Weather has completed acoustical testing on several window configurations and glass make-ups, including the test results listed below. Test reports reports available upon request. Additional testing has been performed and test results/reports can be provided upon request.

- STC 34 / OITC 28 XO Configuration 1/4" over 3/16 with 1" OA
- STC 33 / OITC 29 XO Configuration 1/4 over 5/16" Lami with 1" OA
- STC 35 / OITC 30 XO Configuration 3/16" over 5/16" Lami with 1" OA

### THERMAL TESTING

Series 6200 horizontal sliding window has been simulated and tested according to NFRC 100/200/500.

- U-factor as low as .26 with triple glaze (1 1/4" OA)
- U-Factor as low as .32 with dual glaze (1" OA)

### **CONSTRUCTION**

Corners of frame, vent and fixed panels are square cut and screwed together for structural integrity. All muntin and other intermediate bars are firmly attached to their cross joints and their abutting sash sections. The frame sill contains weep provisions. All surfaces to be glazed are marine glazed.

### **HARDWARE**

### Handles

Flush mount pull handle with a positive action lock (PAL)

### Rollers

Fapim Hockey Rollers.



# SERIES 6200 HORIZONTAL SLIDING WINDOW SYSTEM (CONTINUED)



### **SCREENS**

Extruded aluminum flat screen. Flat screens are made with extruded screen channel with mitered corners and an internal corner key.

## **GLAZING**

The Series 6200 is available with 1" and 1.25" OA insulated glass units to yield a wide range of energy performance as needed.

### **WEATHER-STRIPPING**

The Series 6200 horizontal sliding window leverages the strengths of both bulb-type and pile-type weatherstripping to ensure low air infiltration and provide optimal water penetration prevention while maintaining a smooth operation.

### **INSTALLATION GUIDELINES**

- Units ship with frame assembled and glazed panels installed.
- All windows must be installed in prepared openings in accordance with AAMA recommendations and the below-listed manufacturers' recommendations.
- If shop drawings are required, please refer to approved shop drawings for installation.
- Each unit must be installed level, plumb and square with a 0.5" clearance on the jambs and the header of the door.
- For nail-on applications the header must not be nailed. You may place a nail 0.5" above the fin and bend it over the fin, to allow for header deflect.

- Remove wet plaster, mortar, stucco, and cement immediately.
   (Note: windows should only be cleaned with mild soap and water.)
- Do not set items on the sill or use it for any other purpose.
- In nail-on applications, a bead of caulking material should be applied to the inside nail-on fin just before installation to insure a water-tight seal between the building and the window.
- Any attachment screws or bolts should be sealed during the process of installation.
- After installation is completed, building paper and stucco wire, if a stucco application, should overlap the window nail-on flange.

### **CARE & MAINTENANCE**

- Window should be kept free of all dust, dirt, paint, and plaster.
- The sill should be kept clean at all times. A vacuum cleaner with a crevice attachment is recommended.
- Windows should only be cleaned with mild soap and water.
- **Caution:** Damage will occur to the finish and to the sealed glass unit if solvents, petroleum products, or caustic chemicals, such as acetone or paint thinner are used to clean window frames. Damage caused by this type of abuse is not covered under warranty.



## SERIES 6200 LIMITED WARRANTY

## **ALUMINUM WINDOWS** ONE (1) YEAR LIMITED WARRANTY

Every All Weather Architectural Aluminum, Inc., window is guaranteed to meet industry standards for performance against defects in material or workmanship for a period of one (1) year. Broken glass or damage due to improper installation or abuse are not covered by this warranty. Industry standards are defined by the American Architectural Manufacturers Association (AAMA), WDMA (Window & Door Manufactures Association and CSA (Canadian Standards Association), (AAMA/WDMA/CSA 101/I.S.2/A440-05)

### **INSULATED GLASS** TEN (10) YEAR LIMITED WARRANTY

Every All Weather insulated glass unit is warranted for a period of ten (10) years from the date of manufacture except in the case of insulating glass containing decorative internal grids which are warranted for a period of one (1) year. All Weather warrants that under normal conditions of residential or light commercial use and service, moisture condensation, dust, and other foreign particles inside of the dead air space and/or loss of insulating value due to leakage of the unit at the sealed edges will not occur. In the event of a failed unit, All Weather will provide a replacement unit at no cost to the customer, or at its option, refund the original purchase price of said unit. This warranty applies to original units only and does not include removal or reinstallation.

### WARRANTY IS SUBJECT TO THE FOLLOWING CONDITIONS AND TERMS

- All Weather must be paid in full for the products to qualify.
- The warranty on replacement units is limited to the remainder of the warranty period on the original units. Replacement units will be shipped F.O.B. original customer.
- This warranty does not include removal or reinstallation.

- All Weather will not assume liability for glass breakage or damage caused by improper glazing, All Weather windows shipped open for field glaze, improper installation, vandalism, misuse, abuse, or acts of nature including earthquake, flood, and fire, or damage resulting from use in sloped glazing installations or improper treatment including exposure to any chemicals or substances detrimental to the insulating seal of the units; faulty building construction or design; or in conditions where water or moisture can accumulate and remain around the sealed edges of the units. This warranty does not cover single pane glass or IG units that are field glazed, regardless of glass supplier, to include All Weather supplied glass / units. Customer supplied glass is also not covered.
- The warranty applies only to the original registered owner-occupant at the location where the products were originally installed and is not transferable.
- The paint surface of any special painted material is not covered under this warranty. Warranty claims for special paint must be filed with the paint vendor and are subject to their warranty terms and conditions.
- This warranty is void where units are installed in other than a normal residential or light commercial application or in any environment where units are exposed to excessive temperature gradients from surface to surface.

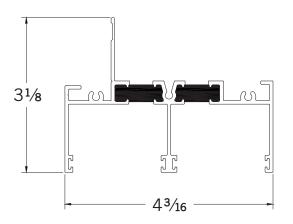
There are no warranties which extend beyond the description on the face hereof. All Weather will not be liable for any subsequent expenses involved in the removal of defective units, installation of replacement units or any other incidental or consequential damages, including but not limited to those for personal injury, arising from or alleged to have arisen from any breach of the warranty contained herein. The purchaser's exclusive remedy is limited to the legal remedies described in this warranty. All Weather makes no other warranty, either express or implied, regarding our product, its merchantability or fitness for a particular purpose. No employee representative, or dealer of All Weather is authorized to modify or change the warranty.

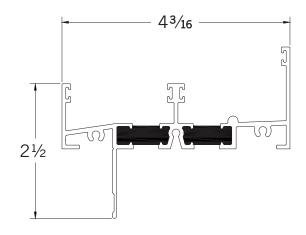


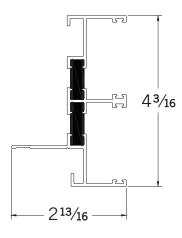
1111T FRAME HEAD

1112T FRAME SILL

1113T FRAME JAMB





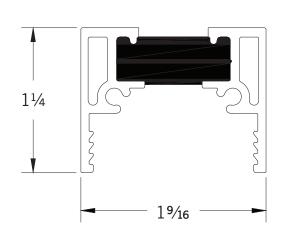


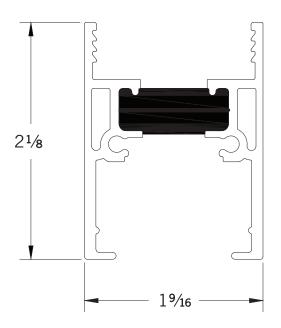




## 1101T TOP RAIL

## 1102T BOTTOM RAIL



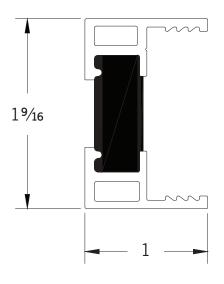


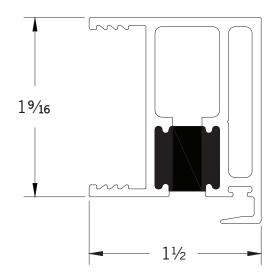


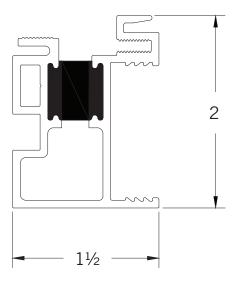
1103T LEAD STILE

## 1105T ACTIVE INTERLOCK

## 1104T INACTIVE INTERLOCK





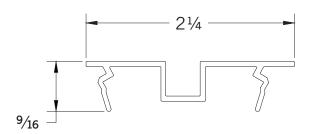


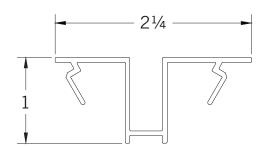


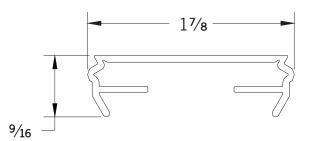
1121T SILL SCREEN TRIM CAP

1122T SCREEN TRIM CAP

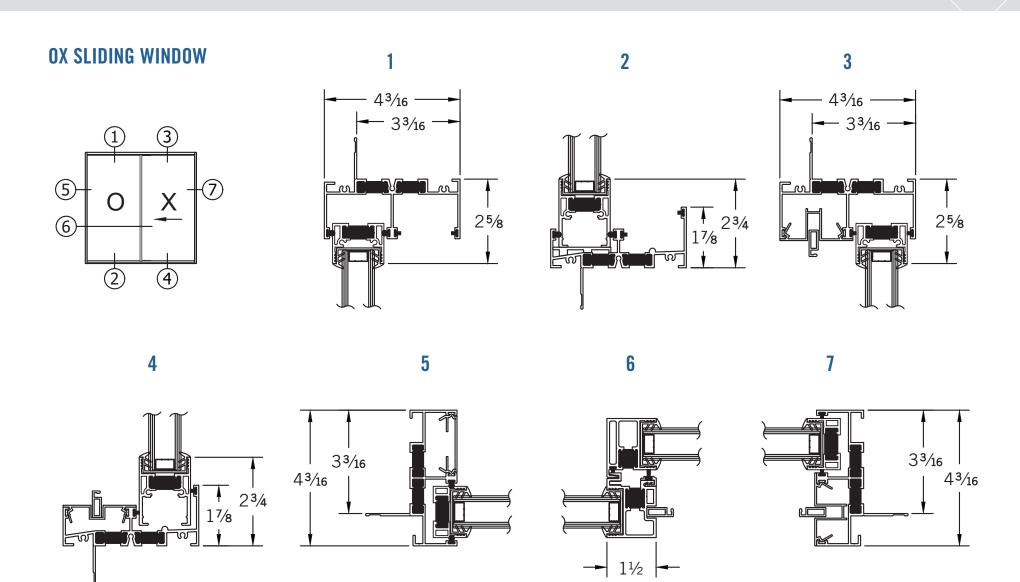
1123T TRIM CAP



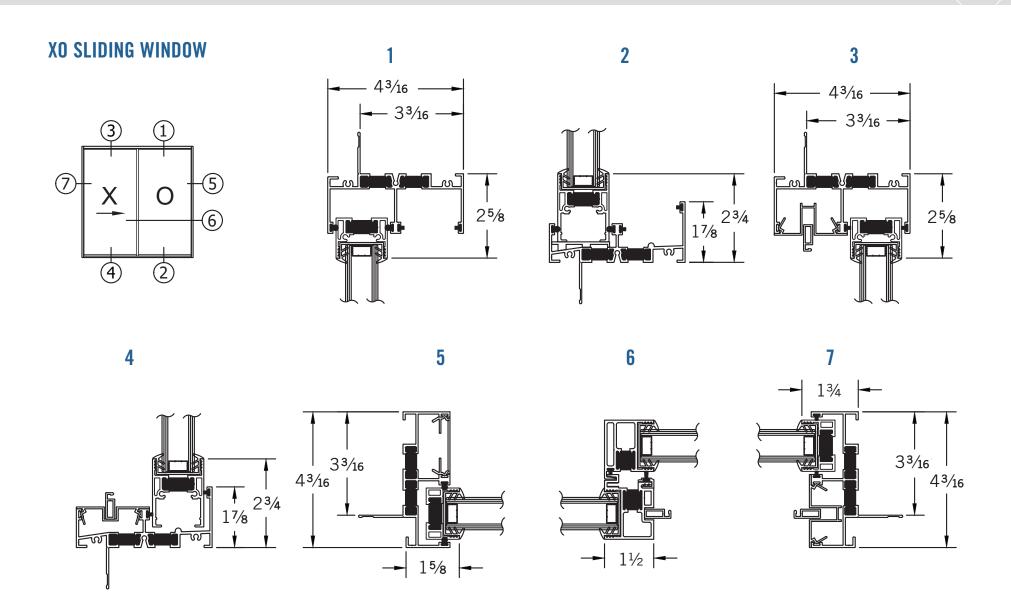






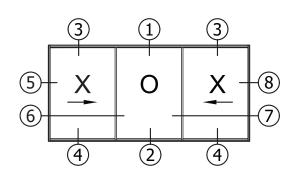


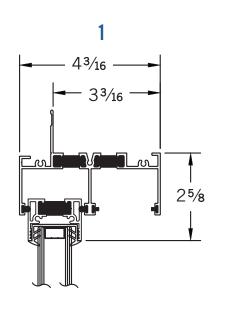




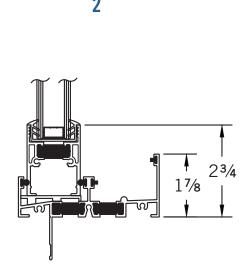


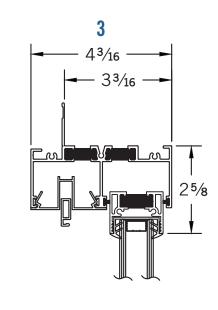
## **XOX SLIDING WINDOW**

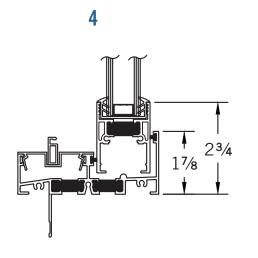


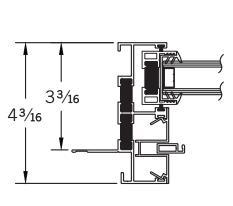


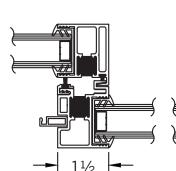
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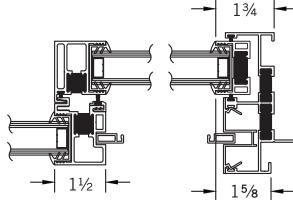
















# ALL WEATHER ARCHITECTURAL ALUMINUM

## **TEST REPORT**

#### SCOPE OF WORK

AAMA/WDMA/CSA 101/i.S.2/A440 TESTING ON SERIES 6200 HORIZONTAL SLIDING WINDOW, NOMINAL SIZE 71 X 59

#### REPORT NUMBER

M9474.01-301-44 R0

#### **TEST DATES**

10/28/21 - 11/01/21

#### ISSUE DATE

05/27/22

#### PAGES

25

#### DOCUMENT CONTROL NUMBER

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## intertek

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#### TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0

Date: 05/27/22

#### REPORT ISSUED TO

#### ALL WEATHER ARCHITECTURAL ALUMINUM

777 Aldridge Road Vacaville, CA 95688

#### **SECTION 1**

#### SCOPE

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by All Weather Architectural Aluminum to perform testing in accordance with AAMA/WDMA/CSA 101/I.S.2/A440 on their Series 6200 Horizontal Sliding Window. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in Fresno, California. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends five years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

For INTERTEK B&C:





This report is for the accusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability and initial to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has sever been undered an Intertek certification program.

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0 Date: 05/27/22

#### SUMMARY OF TEST RESULTS

TITLE	RESULTS
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class CW – PG35; Size Tested: 1805 x 1500 mm (71 x 59 in) Type: HS
Design Pressure	±1680 Pa (±35.09 psf)
Air Infiltration	<0.1 L/s/m² (0.06 cfm/ft²)
Canadian Air Infiltration/Exfiltration Level	A3
Water Penetration Resistance Test Pressure	260 Pa (5.43 psf)

Reference must be made to Intertek B&C Report No. M9474.01-301-44, dated 05/27/22 for complete test specimen description and detailed test results.

#### TEST SPECIFICATION(S)/METHOD(S)

The specimen was evaluated in accordance with the following:

AAMA/WDMA/CSA 101/I.S.2/A440-17- North American Fenestration Standard/Specification for Windows, Doors, and Skylights

The following test methods were used during testing:

ASTM E2068-00(2016), Standard Test Method for Determination of Operating Force of Sliding Windows and Doors

ASTM E283-04(2012), Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the

ASTM E547-00(2016). Standard Test Method for Water Penetration of Exterior Windows. Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference

ASTM E330/E330M-14, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

ASTM F842-17, Standard Test Methods for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact

ASTM E987-88(2017), Standard Test Methods for Deglazing Force of Fenestration Products

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0 Date: 05/27/22

#### MATERIAL SOURCE/INSTALLATION

Test specimen was provided by the client. Representative samples of the test specimen will be retained by Intertek B&C for a minimum of four years from the test completion date.

The specimen was installed into a Douglas-Fir buck. The rough opening allowed for a 1/4" shim space and the exterior perimeter of the specimen was sealed to the test buck.

LOCATION	ANCHOR DESCRIPTION	ANCHOR SPACING
Head, Sill	#6 x 1-5/8" Philips flat head screw	4" from corners, 10" on center
Jambs	#6 x 1-5/8" Philips flat head screw	4" from corners, 11" on center

#### EQUIPMENT

The following equipment was utilized to apply Forced Entry Resistance loading in accordance with ASTM F588:

EQUIPMENT	ASSET NUMBERS	CALIBRATION DUE DATE
Load Cell	63196	04/01/22
Stopwatch	64263	11/20/22

#### SECTION 6

#### LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Erick Dominguez	All Weather Architectural Aluminum
Meng Vang	Intertek B&C

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0

Date: 05/27/22

TEST SPECIMEN DESCRIPTION

Product Type: Horizontal Sliding Window Series/Model: Series 6200 Horizontal Slider

**Product Sizes:** 

OVERALL AREA:	WIDTH		HEIGHT	HEIGHT	
2.71 m <sup>2</sup> (29.1 ft <sup>2</sup> )	Millimeters	Inches	Millimeters	Inches	
Overall size	1805	71-1/16	1500	59-1/16	
Operable panel	910	35-13/16	1455	57-5/16	
Screen	924	36-3/8	1467	57-3/4	

Frame Construction:

MEMBER	MATERIAL	DESCRIPTION
Head, Jambs, Sill, Fixed Interlock	Aluminum with Thermal Break	Extruded (Mat'l. 6063-T6)
	JOINERY TYPE	DETAIL
All corners	Butted	Screwed and Sealed

Panel Construction:

MEMBER	MATERIAL	DESCRIPTION
Rails, Stiles	Aluminum with Thermal Break	Extruded (Mat'l. 6063-T6)
	JOINERY TYPE	DETAIL
All corners	Butted	Screwed and Sealed

Reinforcement: No reinforcement was utilized.

Weatherstripping:

DESCRIPTION	QUANTITY	LOCATION
Foam bulb gasket	2 sets	Frame – Interior/Exterior edge of panel channel
Polypile with center fin	1 row	Fixed Interlock

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0

Date: 05/27/22

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

GLASS TYPE	SPACE	R TYPE	LI.	TE COMPOSITIO	N	GLAZING METHOD	
1" IG	Black super	spacer			Rail/stile installed around IG - Vinyl gasket perimeter		
LOCATION		QUANTITY		DAYLIGHT OPENING		i	GLASS BITE
				Millimeters	Inc	hes	
Operable pan	el	1		910 x 1455	35-	13/16 x 57-5/16	1/2"
Fixed Lite		1		910 x 1455	35-	13/16 x 57-5/16	1/2"

Drainage:

METHOD	SIZE	QUANTITY	LOCATION
Slot	1" W by 1/8" H	2	Sill face
Weep with cover	1" W by 1/8" H	4	Sill channel – 4" from corners, 21" on center

Hardware:

DESCRIPTION	QUANTITY	LOCATION
Roller assembly	1 set	Operable sash – underside of bottom rail
Auto-lock + Keep	1 set	Midspan both Interlocks

Screen Construction

Jui cen consulation	•		
FRAME MATERIAL	CORNER CONSTRUCTION	MESH TYPE	MESH ATTACHMENT METHOD
Δluminum	Plastic corner keys	Vinvl	Vinyl ridged spline

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0

Date: 05/27/22

TEST RESULTS

The temperature during testing was 22°C (71°F). The results are tabulated as follows:

TITLE OF TEST	RESULTS	ALLOWED	NOTE
Operating Force,			
per ASTM E2068			
Initiate Motion:	36 N (8 lbf)	180 N (40.47 lbf) max	
Maintain Motion:	36 N (8 lbf)	115 N (25.85 lbf) max	
Latches:	13 N (3 lbf)	100 N (22.48 lbf) max	
Air Leakage,			
Infiltration per ASTM E283	<0.1 L/s/m <sup>2</sup>	1.0 L/s/m <sup>2</sup>	
at 300 PA (6.27 psf)	(0.06 cfm/ft <sup>2</sup> )	(0.2 cfm/ft <sup>2</sup> ) max.	1, 2
Air Leakage,			
Exfiltration per ASTM E283	<0.1 L/s/m <sup>2</sup>	1.0 L/s/m <sup>2</sup>	
at 300 PA (6.27 psf)	(0.05 cfm/ft <sup>2</sup> )	(0.2 cfm/ft <sup>2</sup> ) max.	1, 2
Canadian Air		0.5 L/s/m <sup>2</sup>	
Infiltration/Exfiltration Level	A2	(0.1 cfm/ft <sup>2</sup> ) max.	
Water Penetration,			
per ASTM E547			
at 260 Pa (5.43 psf)	Pass	No leakage	3
Uniform Load Deflection,			
per ASTM E330			
Deflections taken at Interlock			
+1680 Pa (+35.09 psf)	4.44 mm (0.18")	8.13 mm (0.32") max.	
-1680 Pa (-35.09 psf)	4.06 mm (0.16")	8.13 mm (0.32") max.	4
Uniform Load Structural,			
per ASTM E330			
Permanent set taken at Interlock			
+2520 Pa (+52.63 psf)	0.13 mm (0.01")	4.27 mm (0.17") max.	
-2520 Pa (-52.63 psf)	0.25 mm (0.01")	4.27 mm (0.17") max.	4
Forced Entry Resistance,			
per ASTM F842,			
Type: A - Grade: 20	Pass	No entry	
Deglazing,			
per ASTM E987			
Operating direction,			
320 N (70 lbf)	Pass	Meets as stated	
Remaining direction,			
230 N (50 lbf)	Pass	Meets as stated	

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0

Date: 05/27/22

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: Test Date 10/28/21, Time: 10:09 AM (Air Note Only) Note 3: With and without insect screen.

Note 4: Loads were held for 10 seconds.

Note 5: Tape and film were not used to seal against air leakage during structural testing.

#### SECTION 9

#### ALTERATIONS

No alterations were required.

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

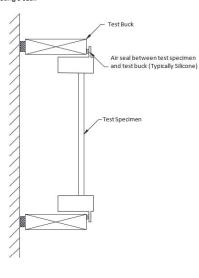
Report No.: M9474.01-301-44 R0 Date: 05/27/22

SECTION 10

#### LOCATION OF AIR SEAL

The air seal between the test specimen and the test wall is detailed below. The seal is made of foam weatherstripping and is attached to the edge of the test specimen buck. The test specimen buck is placed against the test wall and clamped in place, compressing the weatherstripping and

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TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM

Report No.: M9474.01-301-44 R0 Date: 05/27/22

### CONCLUSION

The specimen tested successfully met the performance requirements for the following rating:

Class CW - PG35; Size Tested: 1805 x 1500 mm (71 x 59 in) Type: HS

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**TEST REPORT FOR ALL WEATHER ARCHITECTURAL ALUMINUM** Report No.: M9474.01-301-44 R0

Date: 05/27/22

**SECTION 12** 

#### DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.

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