Test Report



Wind and Water Testing

Client – Doric Products

Product – Paraflow 12 Blade Gallery 782 mm

Tested By

Azuma Design Pty Limited

AZT0216.26

Nata Accredited Laboratory No. 15147

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Test results in this report are relevant only to the sample tested.

1 Customer Requirements

Customer requires all applicable tests from AS/NZS 4420.1 to be conducted to the test sample supplied. The tests are Structural deflection, Air infiltration, Water penetration and Ultimate strength.

2 Reference Standard

- AS 2047 – 2014 (+A2) Windows and External Glazed Doors in Buildings
- AS/NZS 4420.1 – 2016 Windows external glazed timber and composite doors - Methods of test - Test sequence, sampling and test methods

3 General Information

Customer	Doric Products
Address	38 Redfern Street, Wetherill Park NSW 2164
Date(s) of Test	03/08/2026
Azuma Test Number	AZT0216.26
Window/Door Type	Louvre Window
Test Sample Description	Louvre window with two blades of glass per clip, glass in each clip is slightly offset with the outside blade set lower than the inside blade. Sample has a clip in weather seal with two types of flap seals and a specific arrangement of weep holes. Sample contains 2 handles to operate 6 clips per handle. Sample contains 152 mm tall blades of 6 mm toughened glass. Silicone is applied on the full length of the outside face between the gallery extrusion and the frame extrusion onboth sides.

4 Test Result Summary

Test Method or Operation	Requested Rating or Pressure	Figures Required by Rating or Pressure		Highest Figures Recorded	Result
Open & Close Sample	--	5 Times		5 Times	N/A
Preload 50 % Deflection Pressure	--	1250 Pa		1250 Pa	N/A
Deflection Test	N6 C4	General Positive	1600 Pa	2500 Pa	Pass
	N6 C4	General Negative	1600 Pa	2500 Pa	Pass
	N6 C4	Corner Positive	2500 Pa	2500 Pa	Pass
	N6 C4	Corner Negative	2500 Pa	2500 Pa	Pass
Operating Force Test	Not Applicable	Operator opens the window		--	N/A
Air Infiltration Test	Low	$< 1.0\ Ls^{-1}m^{-2}$ Positive		$5.32\ Ls^{-1}m^{-2}$	Fail
		$< 1.0\ Ls^{-1}m^{-2}$ Negative		$7.89\ Ls^{-1}m^{-2}$	Fail
	High	$< 5.0\ Ls^{-1}m^{-2}$ Positive		$5.32\ Ls^{-1}m^{-2}$	Fail
Water Penetration Resistance Test	N6 C4	Non-exposed	450 Pa	600 Pa	Pass
	N6 C4	Exposed	600 Pa	600 Pa	Pass
Ultimate Strength Test	N6 C4	General Positive	4000/5300 Pa	8000 Pa	Pass
	N6 C4	General Negative	4000/5300 Pa	8000 Pa	Pass
	N6 C4	Corner Positive	6000/8000 Pa	8000 Pa	Pass
	N6 C4	Corner Negative	6000/8000 Pa	8000 Pa	Pass

5 Test Sample Description

Product Name	12 Blade – 782 mm Glass Span
Model	Paraflow
Dimension of Test Sample	1853 mm (Height) x 934 mm (Width)
Dimension of Sashes	845 mm (Width) x 1765 mm (Height) Gallery Opening
Glazing – Size/Type	24 off 152 mm (Height) x 782 mm (Width) 6 mm Toughened Glass
Hardware Details	Paraflow Gallery 2 Operating Handles Handle Positions – 200 mm, 1040 mm from Gallery Base
Drawing Identification	PARAFLOW 12 BLADE GALLERY, 782mmGLASS WIDTH, TOUGHENED GLASS
Profile Section	Outside Frame - 100 mm Paraflow Frame – 88 mm
Sill Depth	76 mm
Drain holes	8 mm Holes – From one end – 56, 68, 395, 462, 671, 683 mm
Weep holes	8 mm Holes - From one end – 130, 220, 391, 579, 643 mm on outside of the extrusion 8 mm Holes – From one end – 94, 228, 408, 594, 693 mm on inside of the extrusion
Gasket/Seals/Hairs	SC31 Rubber Flap Seal which touches the glass Rubber Sill Flap 3 x 12.65 mm
Glass Retention	Two edge support in plastic clips
Sub Head and Sub Sill Used	N/A
Sub Head Depth	N/A
Engagement in Sub Head	N/A
Sub Sill Depth	N/A
Total Depth of Sill	N/A

6 Results

6.1 Deflection Test

Tested in accordance with AS/NZS 4420.1, Clause 3, Deflection test.

Test Sample taken to 50% SLS as per Clause 2.4 of AS/NZS4420.1 2500 Pa – 1250 Pa applied to test sample (50%)

The test unit satisfied the requirements of AS 2047 in both the positive and negative deflection at the nominated design pressure.

6.2 Operating Force Test

Tested in accordance with AS/NZS 4420.1, Clause 4, Operating force test.

Not required due to Manual Operator.

The test unit satisfied the requirements of AS 2047.

6.3 Air Infiltration Test

Tested in accordance with AS/NZS 4420.1, Clause 5, Air infiltration test.

Air Infiltration Level	Pressure	Direction	Allowable	Actual	Result
Low	75 Pa	Positive and Negative	$< 1.0\ Ls^{-1}m^{-2}$	$5.32\ Ls^{-1}m^{-2}$ $7.89\ Ls^{-1}m^{-2}$	Fail
High		Positive Only	$< 5.0\ Ls^{-1}m^{-2}$	$5.32\ Ls^{-1}m^{-2}$	Fail

The test unit has not satisfied the requirements of AS 2047 for a High Classification.

6.4 Water Penetration Resistance Test

Tested in accordance with AS/NZS 4420.1, Clause 6, Water penetration resistance test.

Maximum Pressure Applied to Sample	600 Pa
Leakages Observed	Nil
Observations	Nil

The test unit satisfied the requirements of AS 2047 at the tested pressure.

6.5 Ultimate Strength Test

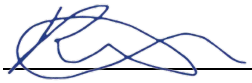
Tested in accordance with AS/NZS 4420.1, Clause 7, Ultimate strength test.

Maximum Pressure Applied to Sample	Positive – 8000 Pa Negative – 8000 Pa
Details of Collapse	Nil

The test unit satisfied the requirements of AS 2047 at the tested pressure.

7 Signatories

Tested By: Ryan Pavey

Signature: 

Checked By: Ash Horne

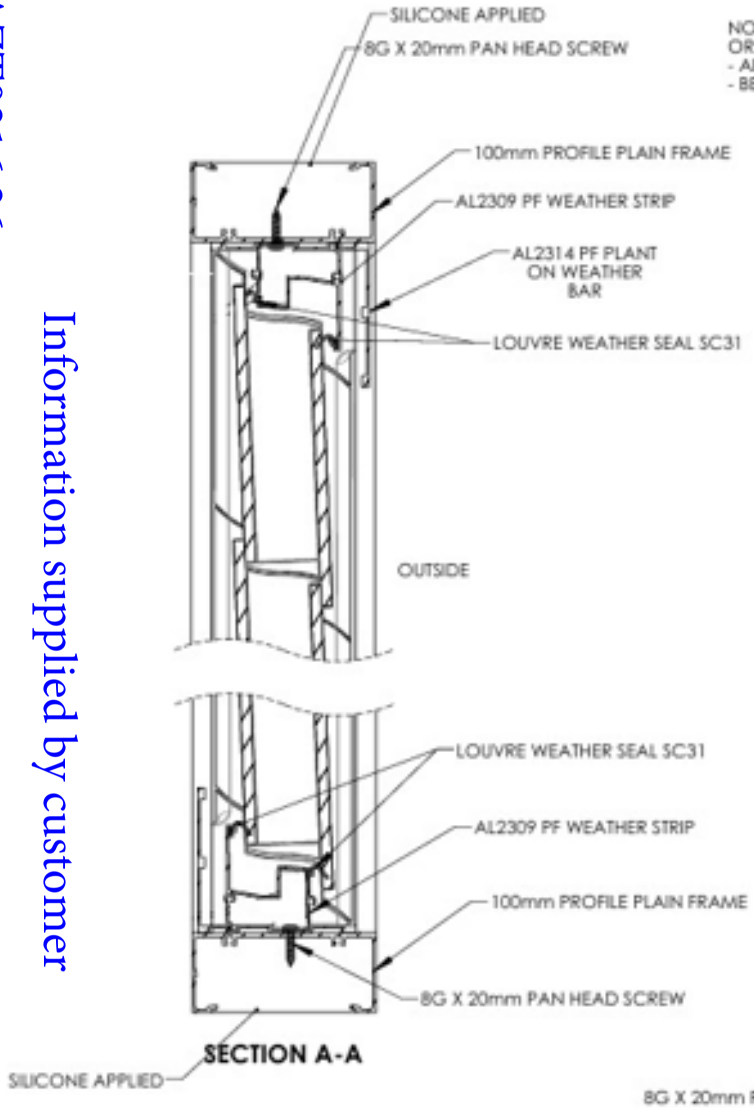
Signature: 

Date: 03/08/2026

END OF REPORT

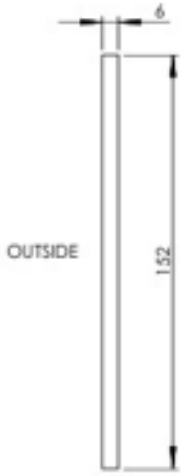
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Information supplied by customer

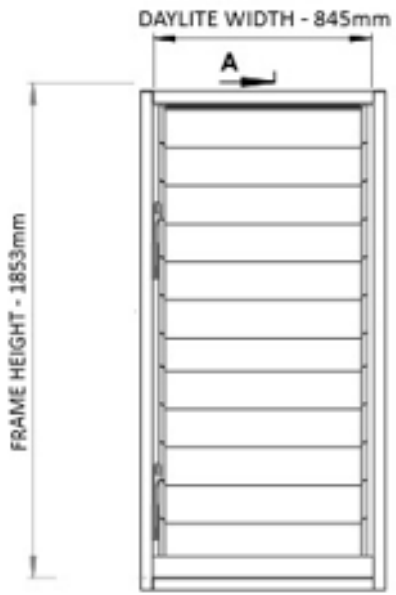


SECTION A-A

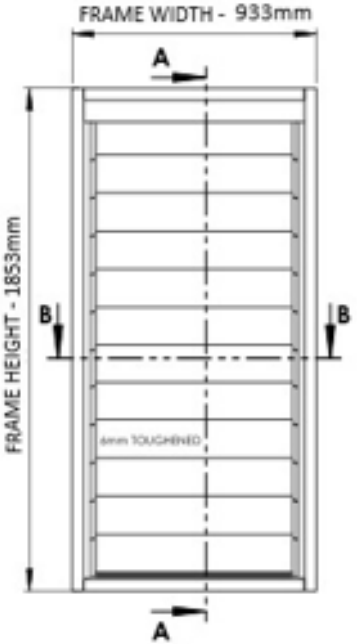
NOTE: THE FOLLOWING AREAS WERE SEALED WITH SILICONE OR SMALL JOINT SEALER:
- ALL NON GASKETED FRAME JOINTS
- BETWEEN PLANT ON WEATHER BAR AND FRAME



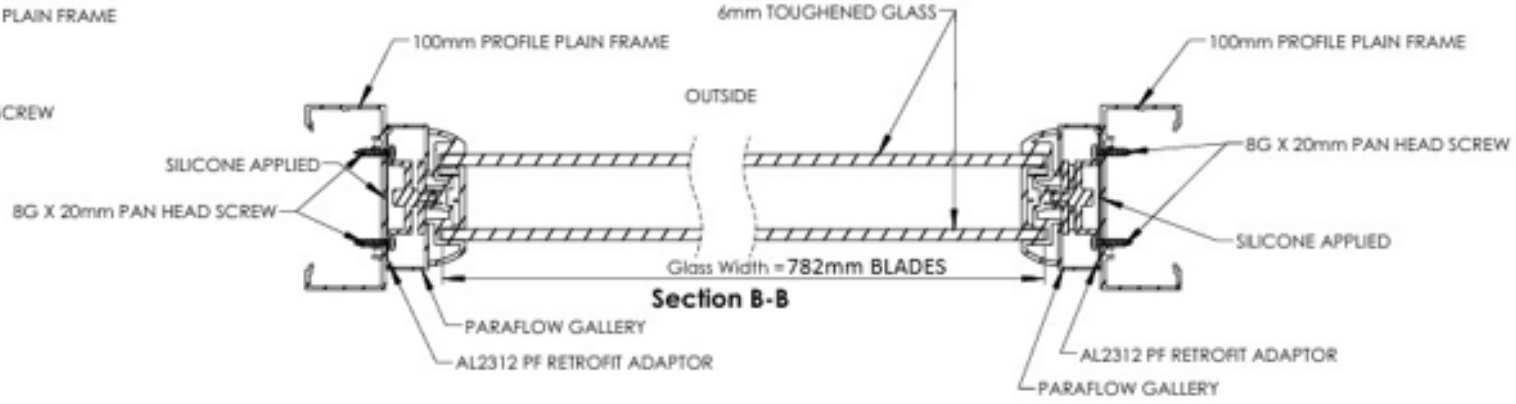
LOUVRE BLADE DETAIL



INSIDE VIEW



OUTSIDE VIEW



Section B-B

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A3

Title

PARAFLOW 12 BLADE GALLERY, 782mmGLASS WIDTH, TOUGHENED GLASS

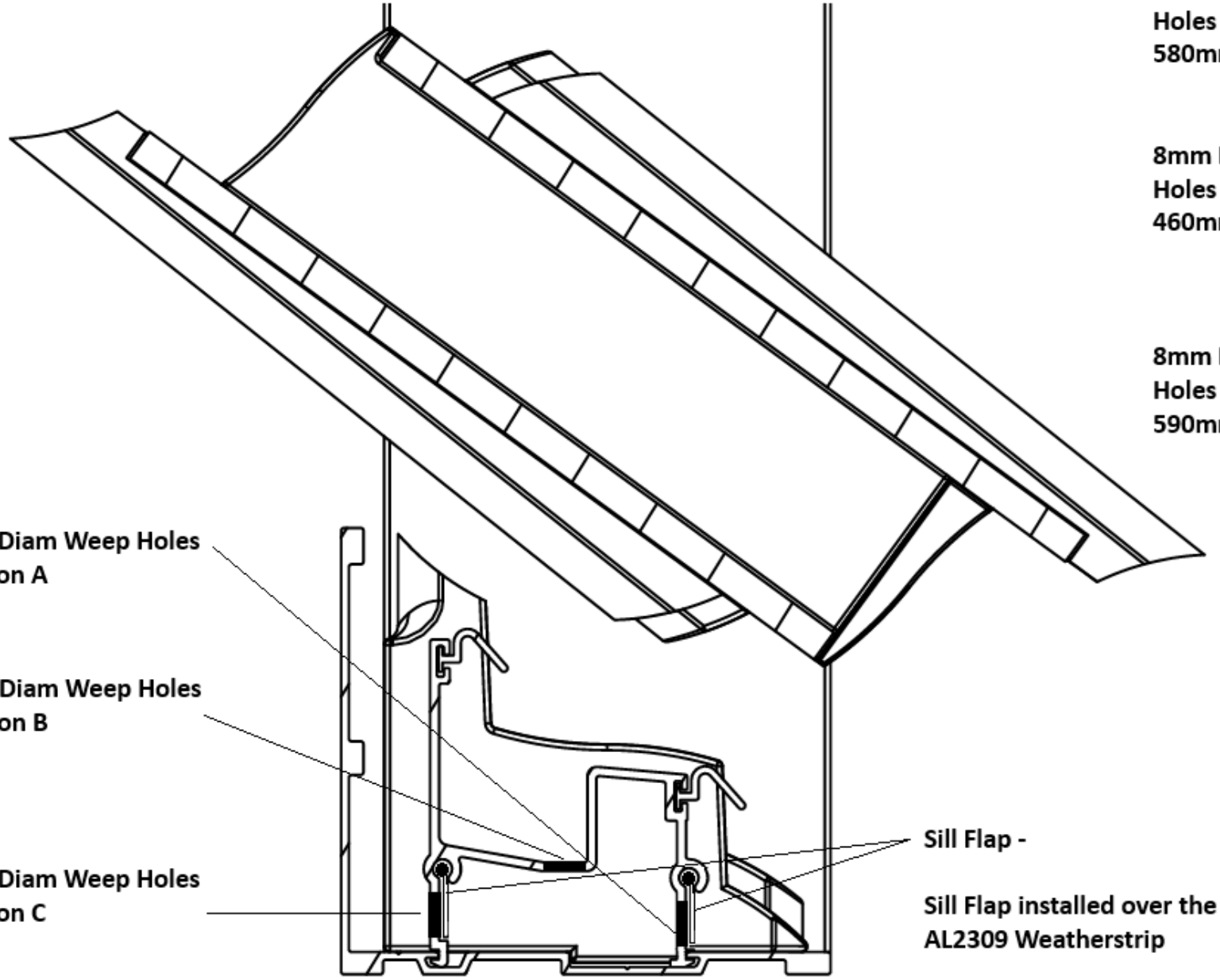
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DORIC PRODUCTS
38 Redfern Street, Wetherill Park, NSW 2164

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Information supplied by customer



8mm Diam Weep Holes Position A
Holes at 130mm, 220mm, 390mm, 580mm, 640mm

8mm Diam Weep Holes Position B
Holes at 50mm, 60mm, 395mm, 460mm, 670mm, 680mm

8mm Diam Weep Holes Position C
Holes at 90mm, 220mm, 400mm, 590mm, 690mm

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