

Liongate Facade Solution PTY LTD

TEST REPORT

SCOPE OF WORK

100 Awning Window

REPORT NUMBER

240426005SHF-004

TEST DATE(S)

2024-05-23

ORIGINAL ISSUE DATE

2024-06-05

PAGES

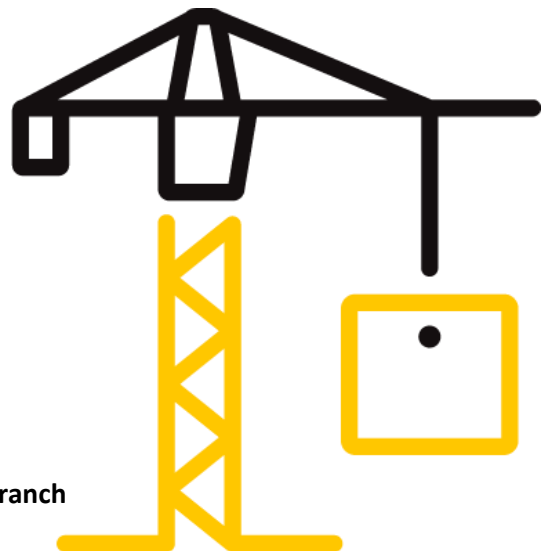
17

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10I(February 1, 2024)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

Original Issue Date: 2024-06-05 Intertek Report No. 240426005SHF-004
Applicant: Liongate Facade Solution PTY LTD
Address: Suite 105, 50 Clarence Street, Sydney, NSW 2000
Attn: Feng Jian
Manufacturer: Tianjin Zhongxin Curtain Wall Decoration Engineering Co., Ltd.
Address: Tianjin Baodi District, NiuDaoKou Town, PangGeZhuang, North Bridge East
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
100 Awning Window	PE03	1100mm(Width) x 1700mm(Height)
Sample ID	Sample Amount	Sample Received Date
S240426005SHF.004	1 Set	2024-04-26
Sample Description		
The sample was a completely assembled, glazed, functional product (including hardware) and fully operable, fitted in the test apparatus in accordance with documented instructions.		

Test Methods And Standards

Test Standard	AS/NZS 4420.1-2016 Windows, external glazed, timber and composite doors - Methods of test Part 1: Test sequence, sampling and test methods
Specification Standard	AS 2047-2014 Windows and external glazed doors in buildings (Amdt 2-2017)
Test Conclusion	The results met the applicable requirements specified in AS 2047-2014 (Amdt 2-2017), and the results were shown in the following page.

Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized



Name: Gio Liu
Title: Reviewer

Name: Martin Zhu
Title: Project Engineer

Test Report

Original Issue Date: 2024-06-05

Intertek Report No. 240426005SHF-004

Test Items, Method and Results:

2 Test Result

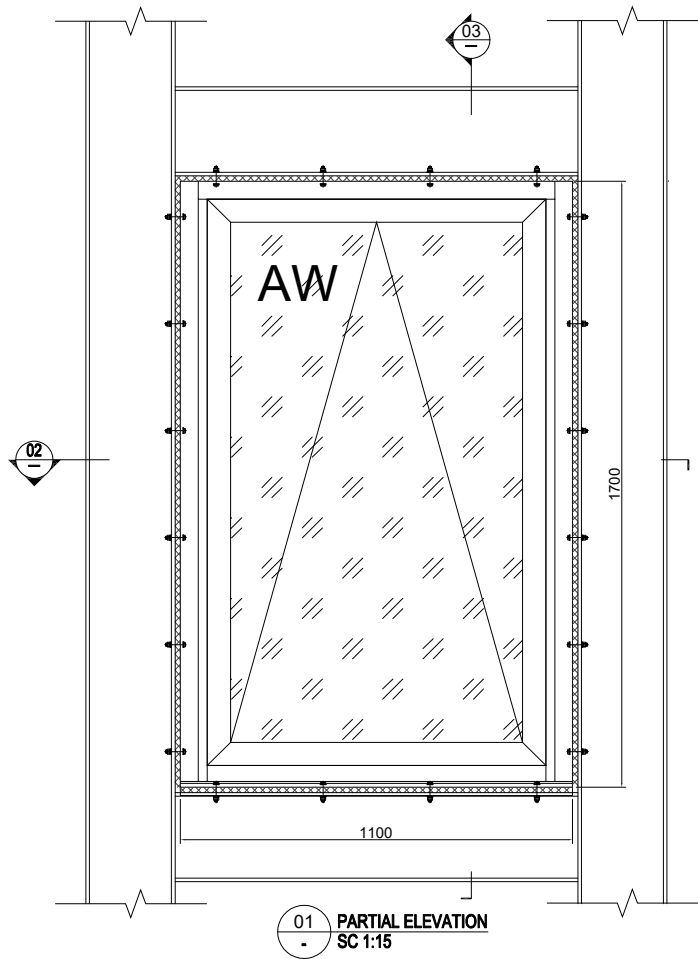
Table 2 Test Results

Test Description	Test Result			Verdict
Serviceability Design Wind Pressure AS/NZS 4420.1-2016 Section 3	+		1280 Pa	Pass
	-		1000 Pa	
Deflection / Span Ratio Framing Member 1	Stile		1/1108	
Deflection / Span Ratio Framing Member 2	Bottom Rail at handle side		1/2800	
Operating Force AS/NZS 4420.1-2016 Section 4	Initial Movement	Required	≤ 160 N	Pass
		Open	44 N	
		Close	46 N	
	Maintain Movement	Required	≤ 80 N	
		Open	31 N	
		Close	31 N	
Air Infiltration at ±75 Pa AS/NZS 4420.1-2016 Section 5 Overall area: 1.87 m ²	at +75Pa		0.55 L/s·m ²	Pass
	at -75Pa		0.59 L/s·m ²	
	Air Infiltration Level		Low	
Water Penetration AS/NZS 4420.1-2016 Section 6	No water penetration at		600 Pa	Pass
	Description: After water sprayed for 15 minutes at 600 Pa, no water penetration was observed.			
Ultimate Strength Test Pressure AS/NZS 4420.1-2016 Section 7	+	1980 Pa with no collapse		Pass
	-	1550 Pa with no collapse		
	Description: No significant breakage, permanent deformation or operational malfunction after ultimate strength was released.			

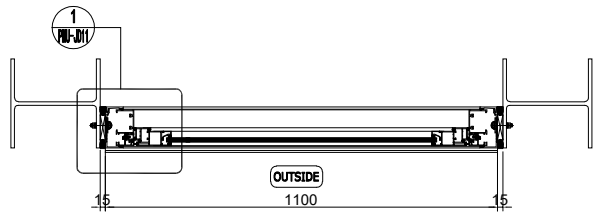
100mm by Scale 1:1

50mm

0mm

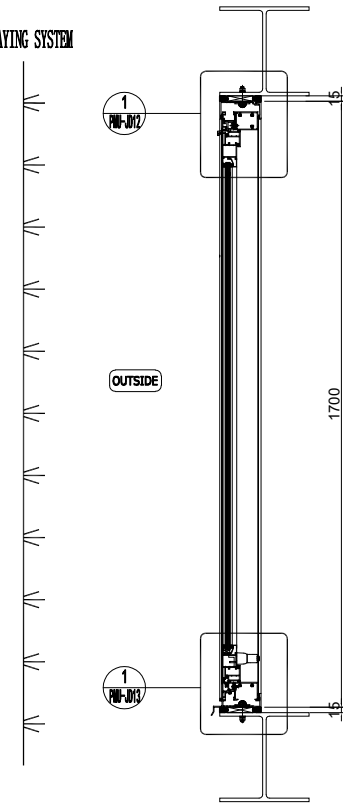


01 PARTIAL ELEVATION
SC 1:15

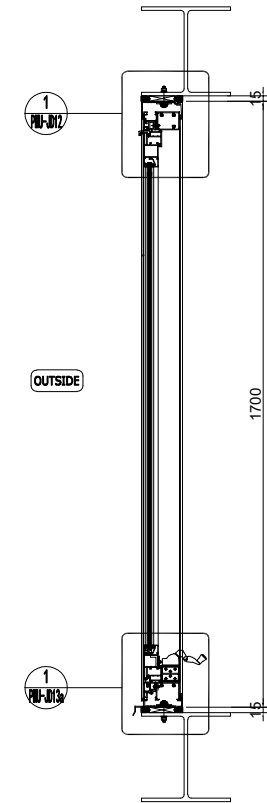


02 PARTIAL PLAN
SC 1:15

SPRAYING SYSTEM



03 PARTIAL SECTION
SC 1:15



03 PARTIAL SECTION
SC 1:15

CNYD						AYD			PHASE
REV	DATE	DRAWN	APP	ENG	COST	PM	TG	CLIENT ISSUE DATE	

NOTES :

- DRAWINGS TO BE READ IN CONJUNCTION WITH TECHNICAL NOTES DRAWINGS
- ALL FIXINGS REFER TO TECHNICAL NOTES UNLESS NOTED OTHERWISE
- DO NOT SCALE FROM DRAWINGS

CLIENT

MAIN CONTRACTOR

PROJECT

DRAWING TITLE	

Fig 2 Drawing of Representative

DRAWING STATUS	LAYOUT	SCALE	DRAWING NO.	REV.
	A3	1:15		

Test Report

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Intertek Report No. 240426005SHF-004

Appendix B: Sample Received Photo



Revision:

NO.	Date	Changes
240426005SHF-004	2024-06-05	First issue