

Liongate Facade Solution PTY LTD

TEST REPORT

SCOPE OF WORK

100 Fixed Window

REPORT NUMBER

240426005SHF-001

TEST DATE(S)

2024-05-21

ORIGINAL ISSUE DATE

2024-06-05

PAGES

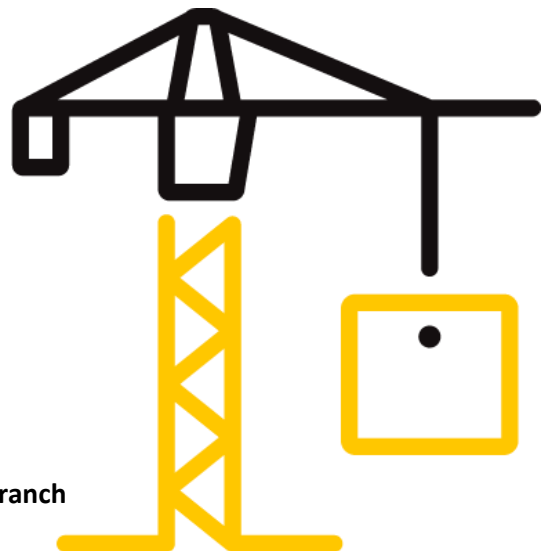
17

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-001
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 Fixed Window	PE01	2685mm(Width) x 1820mm(Height)
Sample ID	Sample Amount	Sample Received Date
S240426005SHF.001	1 Set	2024-04-26
Sample Description		
The sample was a completely assembled, glazed, functional product, 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 Name: Martin Zhu
Title: Reviewer Title: Project Engineer

Test Report

Original Issue Date: 2024-06-05

Intertek Report No. 240426005SHF-001

Test Items, Method and Results:

2 Test Result

Table 2 Test Results

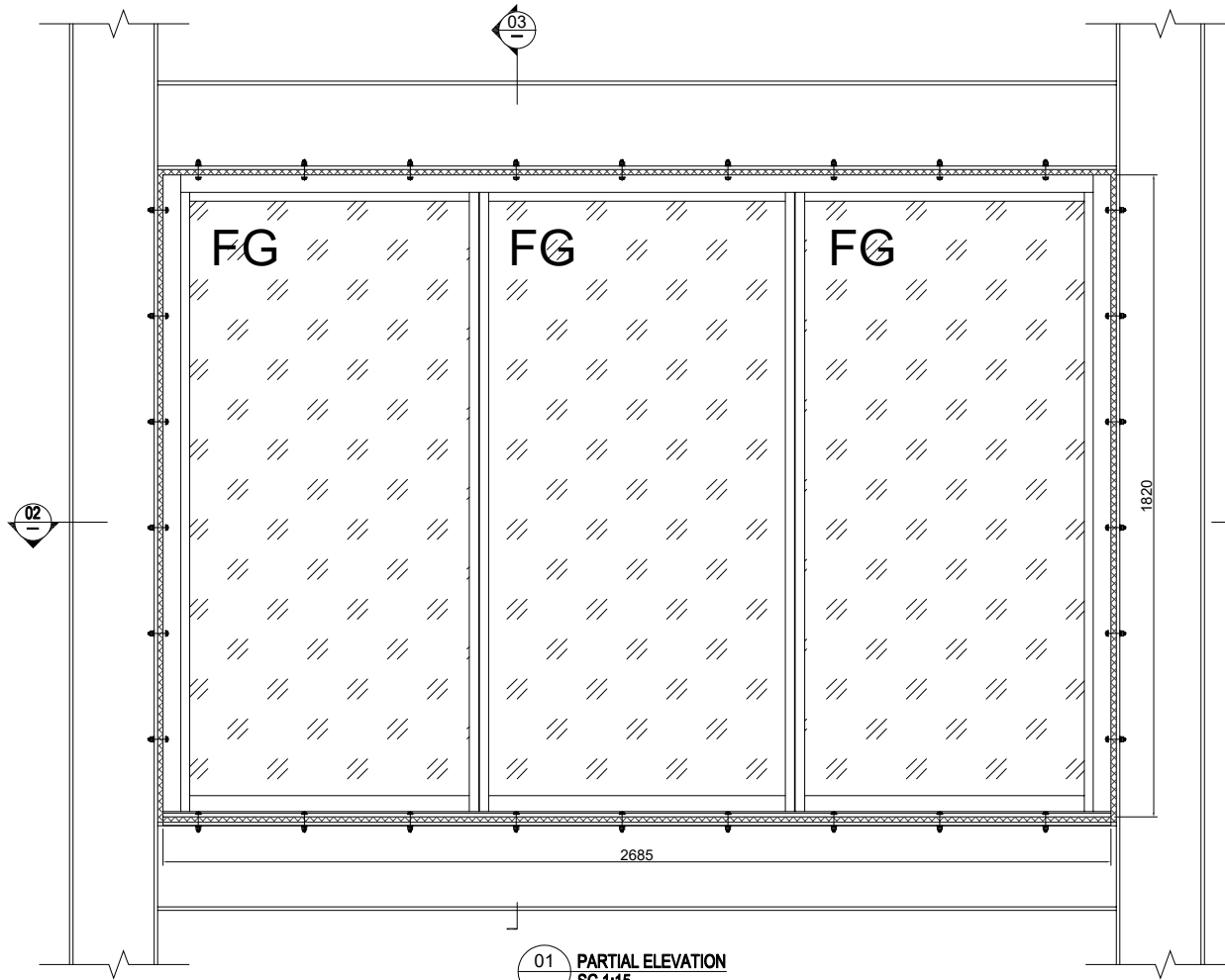
Test Description	Test Result			Verdict
Serviceability Design Wind Pressure AS/NZS 4420.1-2016 Section 3	+		1280 Pa	Pass
	-		1440 Pa	
Deflection / Span Ratio Framing Member 1	Mullion		1/1417	
Deflection / Span Ratio Framing Member 2	Glazing		1/500	Reported ¹
Operating Force AS/NZS 4420.1-2016 Section 4	Initial Movement	Required	Not Applicable	Not Applicable
		Open		
		Close		
	Maintain Movement	Required	Not Applicable	
		Open		
		Close		
Air Infiltration at ±75 Pa AS/NZS 4420.1-2016 Section 5 Overall area: 4.89 m ²	at +75Pa		0.08 L/s·m ²	Pass
	at -75Pa		0.11 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
	-	2230 Pa with no collapse		
	Description: No significant breakage, permanent deformation or operational malfunction after ultimate strength was released.			

Notes: 1. The deflection of the glazing is recorded for reference only.

100mm by Scale 1:1

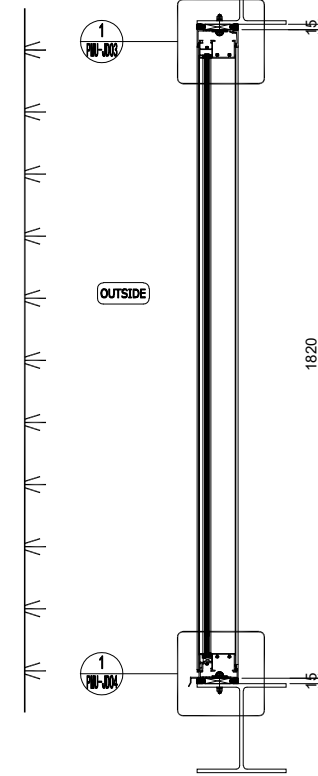
50mm

0mm

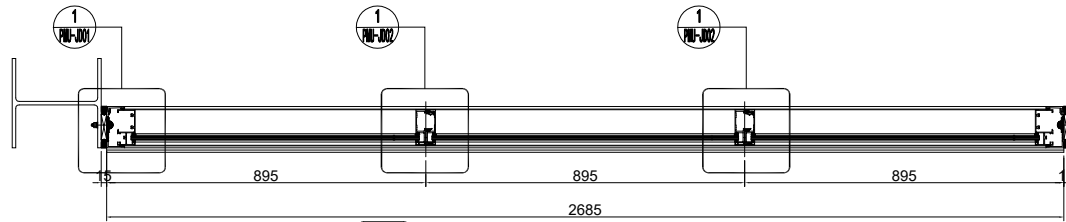


01 - PARTIAL ELEVATION
SC 1:15

SPRAYING SYSTEM



03 - PARTIAL SECTION
SC 1:15



02 - PARTIAL PLAN
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

Fig.2 Drawing of Representative Sample

CLIENT

MAIN CONTRACTOR

PROJECT

DRAWING TITLE

FACADE MANUFACTURER



DRAWING STATUS

LAYOUT

SCALE

DRAWING NO.

REV.

A3

1:15

Test Report

Original Issue Date: 2024-06-05

Intertek Report No. 240426005SHF-001

Appendix B: Sample Received Photo



Revision:

NO.	Date	Changes
240426005SHF-001	2024-06-05	First issue