TL-1195

Foshan DTOP Window and Doors Co., Ltd

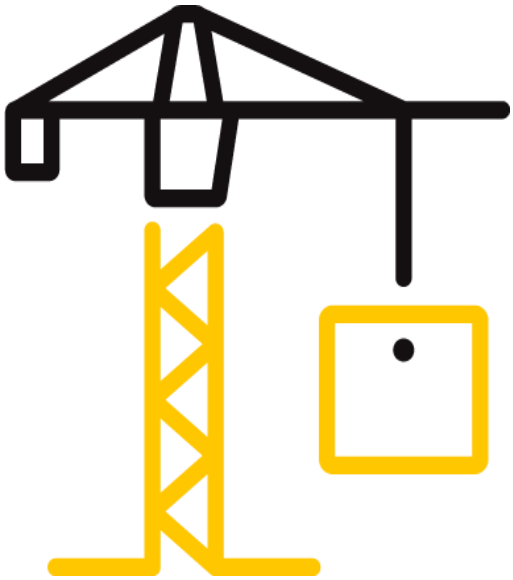
TEST REPORT

SCOPE OF WORK
WINDOWS AND DOORS

REPORT NUMBER
250828097GZC-002

ISSUE DATE
2025/12/22

PAGES
16



Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

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Applicant:	Foshan DTOP Window and Doors Co., Ltd
Address:	Self-designed No. 2 factory building next to Fumin 3rd Road, Guanyao Hongsha Development Zone, Shishan Town, Nanhai District, Foshan City (residence declaration)
Attn:	info@dtpalumn.com

Manufacturer:	Foshan YT Aluminum Co.,LTD
Address:	Self-designed No. 2 factory building next to Fumin 3rd Road, Guanyao Hongsha Development Zone, Shishan Town, Nanhai District, Foshan City (residence declaration)
Attn:	skuang2023@gmail.com

SUBJECT: Performance testing
< Awning window >

Dear Sir,
This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS
AS 2047:2014+A1:2016+A2:2017 Windows and external glazed doors in buildings

SAMPLE ID	MODEL	SPECIFICATION
S250828097GZU.002	100 series	1000 mm (Width) × 2700 mm (Height) × 102 mm (Thickness)

SAMPLE RECEIVED: 2025/9/8
TESTED FROM: 2025/9/8 TO 2025/10/29

TEST LOCATION: C2-1, Heping Xu, Yongning Street, Zengcheng District, Guangzhou, China.

****
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Test Report

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Test Items, Method and Results：

1 Test Samples

A full scale of sample was provided by the manufacturer that was not weathered nor conditioned.
The description of the samples given below has been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

Table 1 Product Information

1	Product Name	Awning window
2	Model	100 series
3	Dimension of Window Frame	1000 mm (Width) x 2700 mm (Height) x 102 mm (Thickness)
4	Dimension of Window Sash	Opearble Sash: 912 mm (Width) x 1034.5 mm (Height) x 49 mm (Thickness)
5	Aluminum Profile	Model: Model: 100 series Manufacturer:Foshan Chenjie lvye Co., Ltd.
6	Frame Corner Construction Details	Operable Sash: 45° Mitre-cut with corner key assembly Fixed Panel and Frame: Mechanically assembled and screwed
7	Reinforcement	Not applicable
8	Glazing	Operable Sash: 802 mm (Width) x 1202.5 mm (Height) Fixed Panel: 924mm (Width) x 1274 mm (Height) Structure: 22 m thickness 5 mm +12 mm Argon +5mm Tempered Insulating Glass Supplier: Jiangmen Junfa Safty glass Co., Ltd.
9	Hardware	Chain Winder Model: JW-LNW-W2505 Supplier: Guangdong Kinlong Hardware Products Co., Ltd. Friction stay Model: HCC40A-14 Supplier: Guangdong Kinlong Hardware Products Co., Ltd.
10	Weather-strip	Not Applicable

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11	Thermal Break	Not Applicable
12	Drainage	Not Applicable
13	Gasket	Model: 520350 Material: EPDM Supplier: Senteda (Foshan) Rubber Products Co., Ltd
14	Sealant of Glass	Model: Guibao 563 Neutral silicone sealant Material: silicone sealant Supplier: Chengdu Guibao Science & Technology Co., Ltd.
15	Installation	The rough opening allowed for a 10 mm shim space. The exterior perimeter of the test specimen was sealed with silicone sealant.

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Test Items, Method and Results:

2 Test Result

Table 2 Test Results

Test Description	Test Result				Rating	Verdict
Deflection / Span Ratio AS/NZS 4420.1-2016 section 3	Serviceability Design Wind Pressure		± 800 Pa		N4 (General) N3 (Corner windows)	Pass
	Structural member #1: ***Operable sash stile***		1/1109			
	Structural member #2: ***Operable sash bottom rail***		1/2150			
	Structural member #3: ***Transom***		1/8600			
Operating Force AS/NZS 4420.1-2016 section 4	Initial Movement Requirement: < 160N		Open	12 N	NA	Pass
			Close	14 N		
	Maintain Movement Requirement: < 80N		Open	10 N		
			Close	9 N		
Air Infiltration AS/NZS 4420.1-2016 section 5	Overall area: 2.7 m^2	at +75Pa:	0.97	$L/s \cdot m^2$	High	Pass
		at -75Pa:	1.19	$L/s \cdot m^2$		
Water Penetration AS/NZS 4420.1-2016 section 6	No water penetration at:		450 Pa		N6 (Non-exposed) N5 (Exposed)	Pass
	Description: Water penetration occurred at the seam line between the chain winder and the transom profile when tested at 600Pa for 850 seconds.					
Ultimate Strength AS/NZS 4420.1-2016 section 7	±	2000	Pa with no collapse		N4 (General) N3 (Corner windows)	Pass
	Description: No significant breakage, permanent deformation or operational malfunction after ultimate strength was released.					

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Appendix A: Test Data and Sample Drawings:

A.1 Deflection Test – Test method AS/NZS 4420.1-2016

Test Pressure (Serviceability design wind pressure), P= 800 Pa , rating: N4 (General).

Note : No structural members in a completely assembled and glazed window shall deflect by an amount greater than the following, when tested at the serviceability design wind pressure:

(a) Span/250 for windows and sliding doors

(b) Span/100 for doors other than sliding

Table 3 Test Data of Deflection Test

Member (mm)		Test Pressure (Pa)	Displacement(mm)			Actual Deflection	Deflection/Span Ratio
Item	Span Length		1	2	3		
Operable sash stile	1220	+P/4=200	0.0	0.1	0.0	0.1	/
		+2P/4=400	0.0	0.2	0.1	0.2	/
		+3P/4=600	0.0	0.6	0.2	0.5	/
		+4P/4=800	0.1	1.0	0.4	0.8	1:1525
		0	0.0	0.1	0.1	0.1	/
Operable sash stile	1220	-P/4=-200	0.0	0.1	0.0	0.1	/
		-2P/4=-400	0.0	0.5	0.2	0.4	/
		-3P/4=-600	0.1	1.1	0.6	0.8	/
		-4P/4=-800	0.1	1.8	1.3	1.1	1:1109
		0	0.1	0.2	0.4	0.2	/

Table 4 Test Data of Deflection Test

Member (mm)		Test Pressure (Pa)	Displacement(mm)			Actual Deflection	Deflection/Span Ratio
Item	Span Length		3	4	5		
Operable sash bottom rail	860	+P/4=200	0.0	0.0	0.1	0.1	/
		+2P/4=400	0.1	0.1	0.2	0.1	/
		+3P/4=600	0.2	0.2	0.3	0.1	/
		+4P/4=800	0.4	0.4	0.6	0.1	1:8600
		0	0.1	0.2	0.1	0.1	/
Operable sash bottom rail	860	-P/4=-200	0.0	0.0	0.1	0.1	/
		-2P/4=-400	0.2	0.2	0.4	0.1	/
		-3P/4=-600	0.6	0.4	0.9	0.2	/
		-4P/4=-800	1.3	1.2	2.0	0.4	1:2150
		0	0.4	0.4	0.3	0.1	/

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A.2 Sample Drawings

Table 5 Test Data of Deflection Test

Member (mm)		Test Pressure (Pa)	Displacement(mm)			Actual Deflection	Deflection/Span Ratio
Item	Span Length		6	7	8		
Transom	860	+P/4=200	0.0	0.0	0.0	<0.1	/
		+2P/4=400	0.0	0.0	0.0	<0.1	/
		+3P/4=600	0.0	0.1	0.0	0.1	/
		+4P/4=800	0.1	0.2	0.1	0.1	1:8600
		0	0.1	0.1	0.0	0.1	/
Transom	860	-P/4=-200	0.0	0.0	0.0	<0.1	/
		-2P/4=-400	0.1	0.1	0.0	0.1	/
		-3P/4=-600	0.1	0.1	0.0	0.1	/
		-4P/4=-800	0.1	0.2	0.1	0.1	1:8600
		0	0.1	0.1	0.1	<0.1	/

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A.2 Sample Drawings

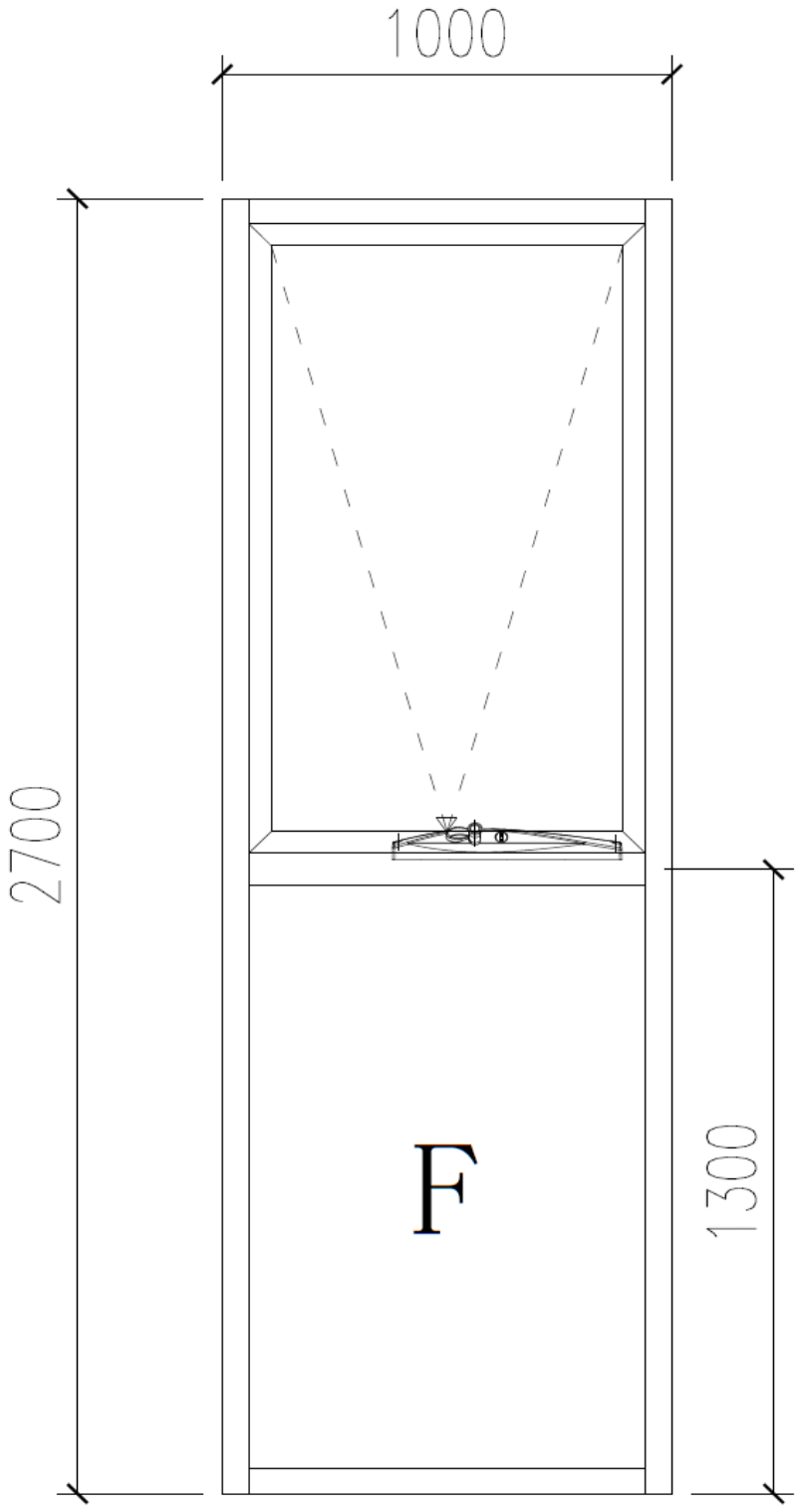


Fig.1 Drawing of Representative Sample (View from interior)

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A.2 Sample Drawings(Cont.)

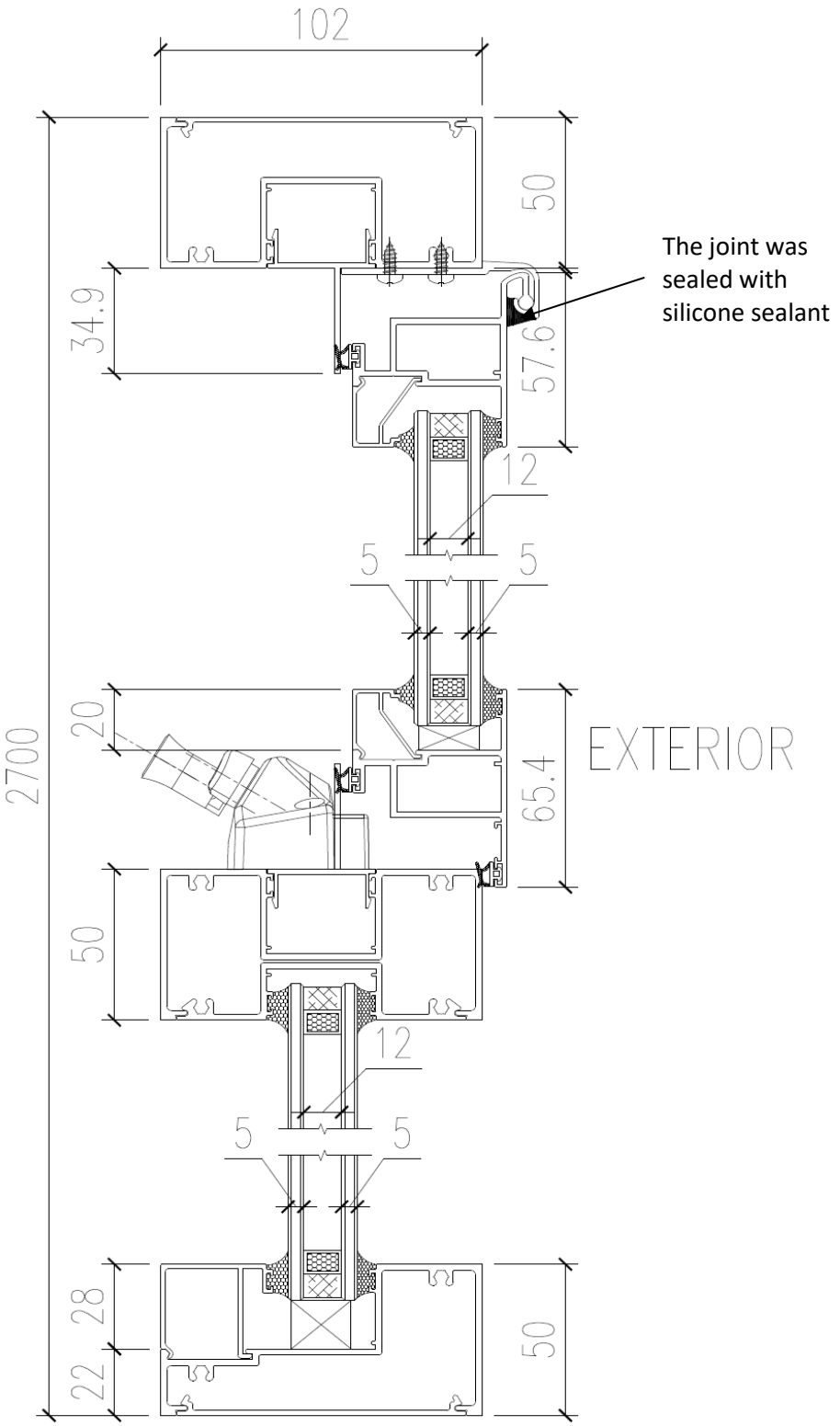


Fig.2 Drawing of Representative Sample

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A.2 Sample Drawings(Cont.)

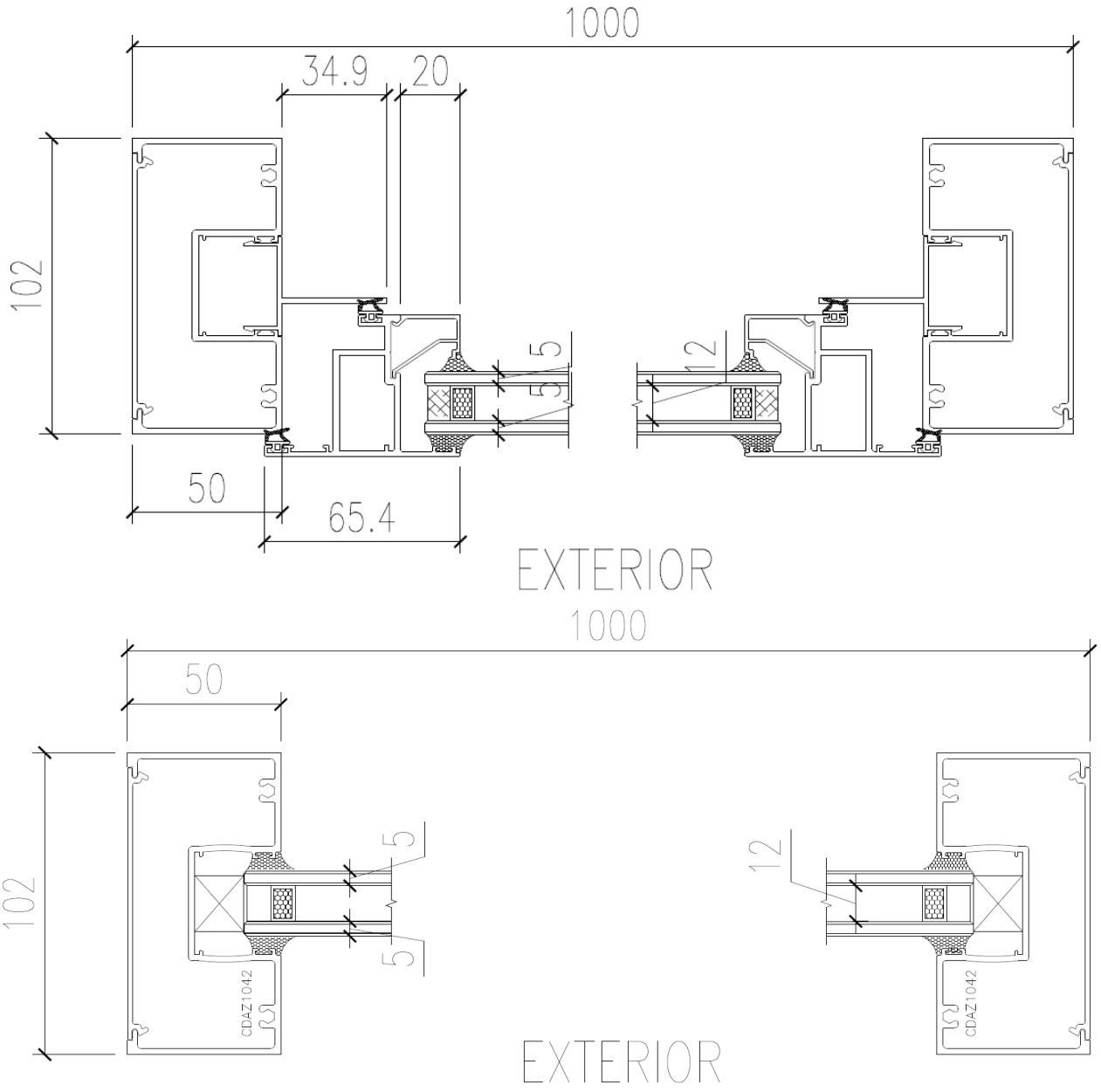


Fig.3 Drawing of Representative Sample

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A.2 Sample Drawings(Cont.)

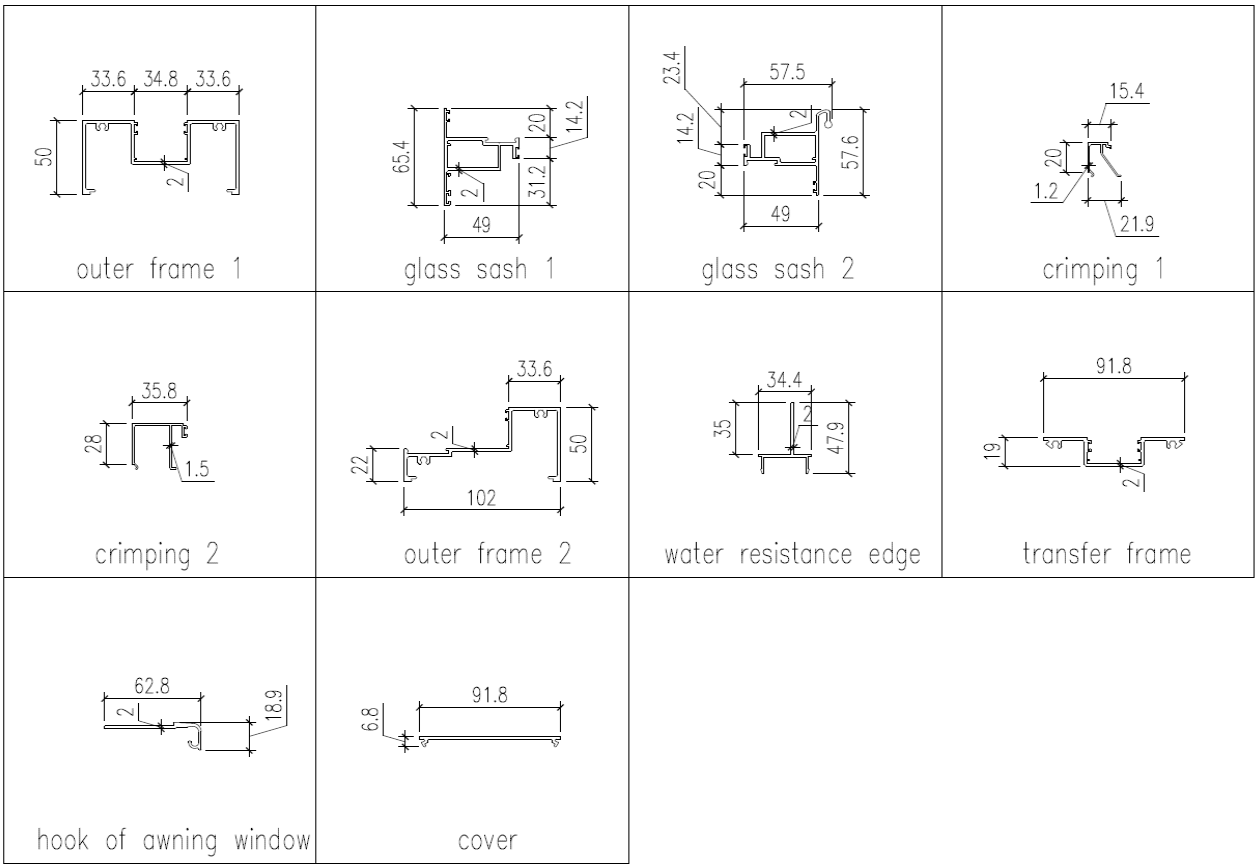


Fig.4 Drawing of Aluminum Profile

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A.2 Sample Drawings(Cont.)

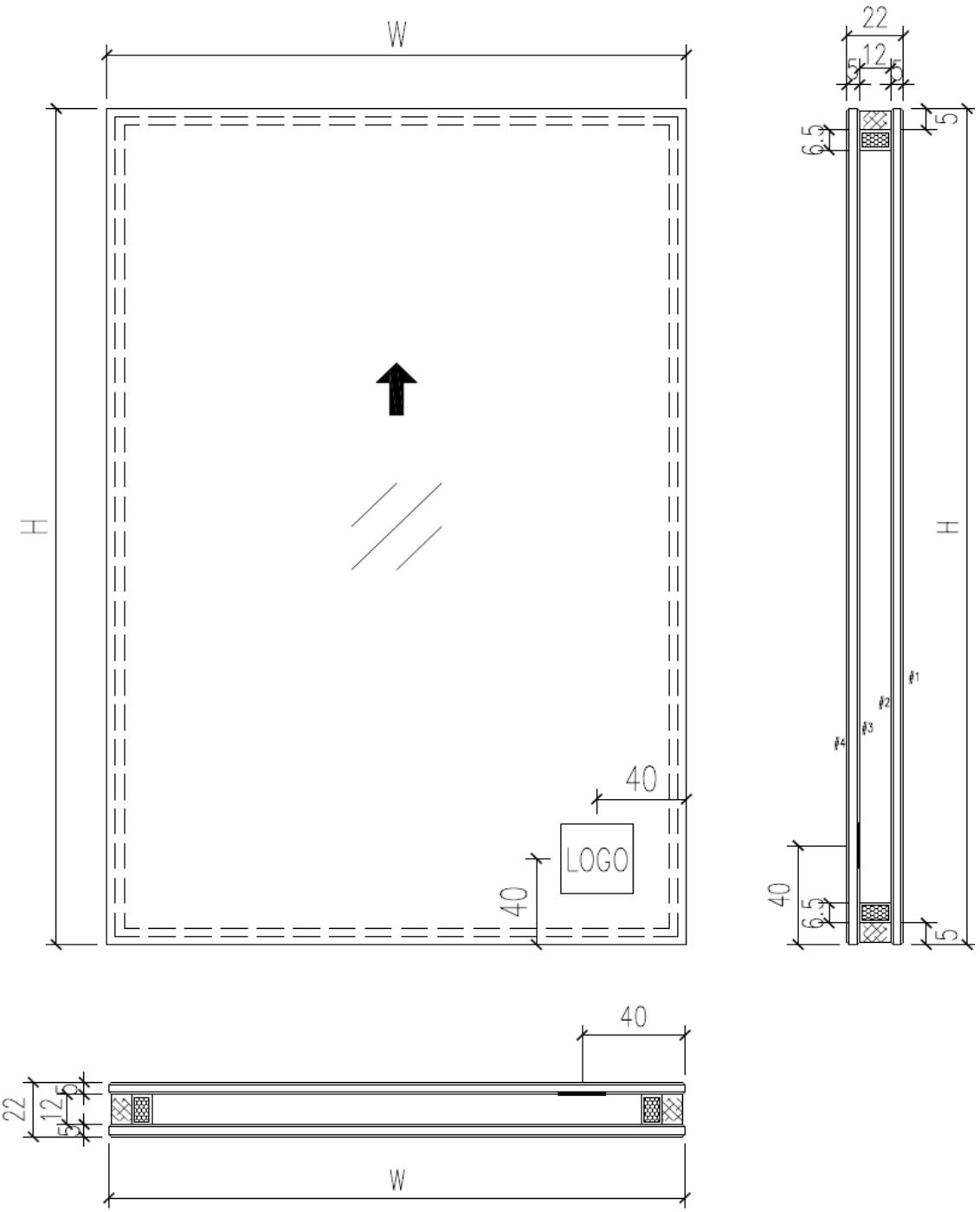
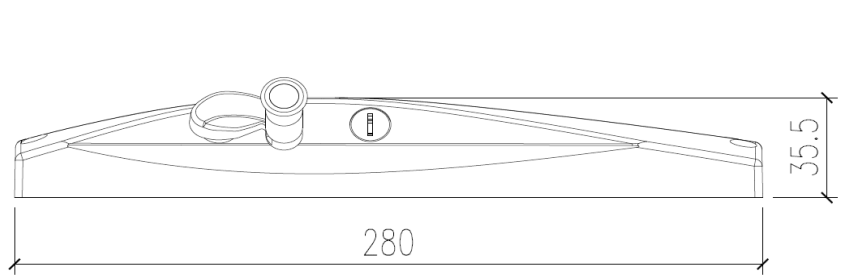


Fig.5 Drawing of Glassing

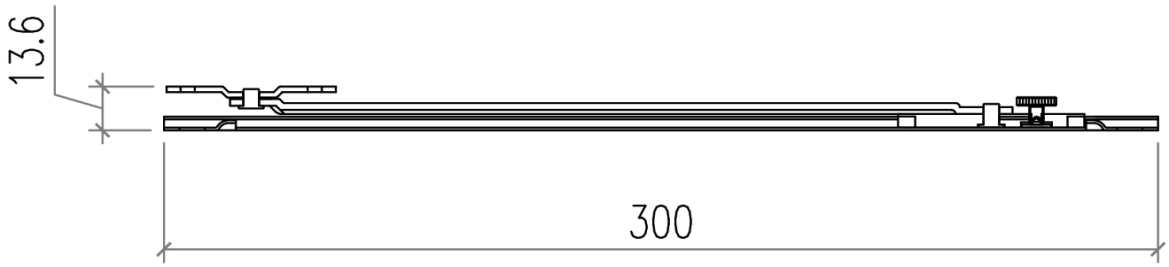
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A.2 Sample Drawings(Cont.)



Chain Winder



Friction stay

Fig.5 Drawing of Hardware

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A.2 Sample Drawings(Cont.)

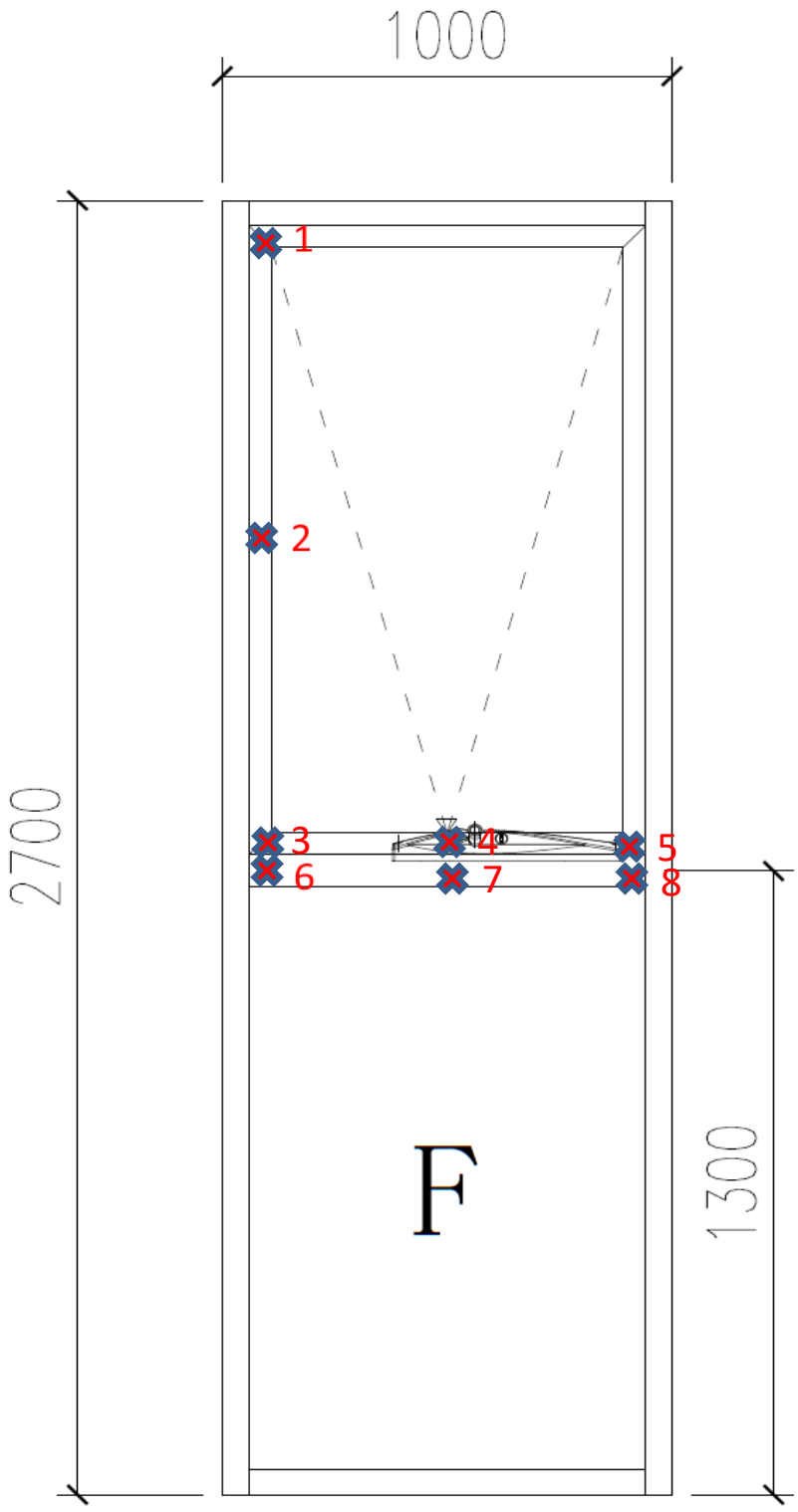


Fig.6 Locations of Displacement Measuring Devices

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A.2 Sample Drawings(Cont.)

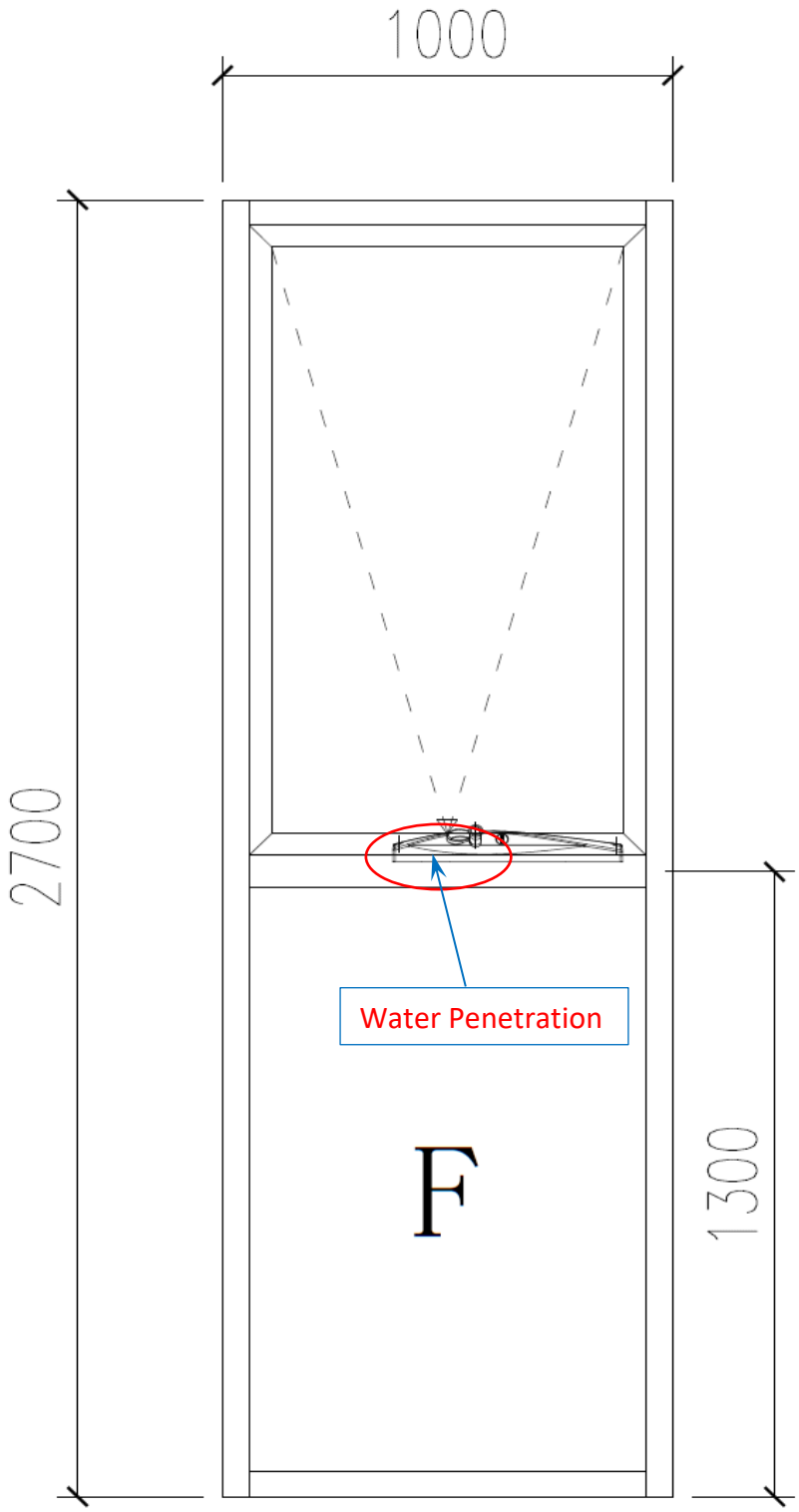


Fig.6 Locations of Water Penetration

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Appendix B: Sample Received Photo



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Approved by:	**Prepared by:**
Oliver zhu	Leo. Li
Name: Oliver Zhu	Name: Leo Li
Title: Reviewer	Title: Project Engineer

Revision:

Revision No.	Date	Revision Summary	Author	Reviewer
R0	2025/12/22	Original Report Issue	/	/

End of Test Report