

Test Report No. 7191254505 – MEC21 – BAY
dated 25 Mar 2021



PSB Singapore

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Subject: Positive Wind Load Pressure Test

Tested for: **GLIDEROL DOORS (S) PTE LTD**
86 INTERNATIONAL ROAD
SINGAPORE 629176

Attn.: Mr. Leow Chyan

Reference Standard: ASTM E330 / E330M (2014)

Test Details:

Date tested: 15 March 2021
Time: 10.00am – 12.00pm
Venue: No.10, Tuas Avenue 10, Singapore 639135
Temperature/ Humidity: 29°C/75%
Tested by: Ng Yuj Xiong, Bay Yuan Li, Khoo Ban Wu (TÜV SÜD PSB)

Procedure:

- 1) An increment of positive 500 Pa shall be applied on the test specimen until failure.
- 2) Wind Pressure was applied on EPDM rubber.
- 3) The pressure on EPDM rubber was transferred on mock up specimen

Description of sample: 6m(W) x 5m (H) Roller Shutter



Laboratory:
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15 International Business Park
TÜV SÜD @ IBP
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Co. Reg : 199002667R

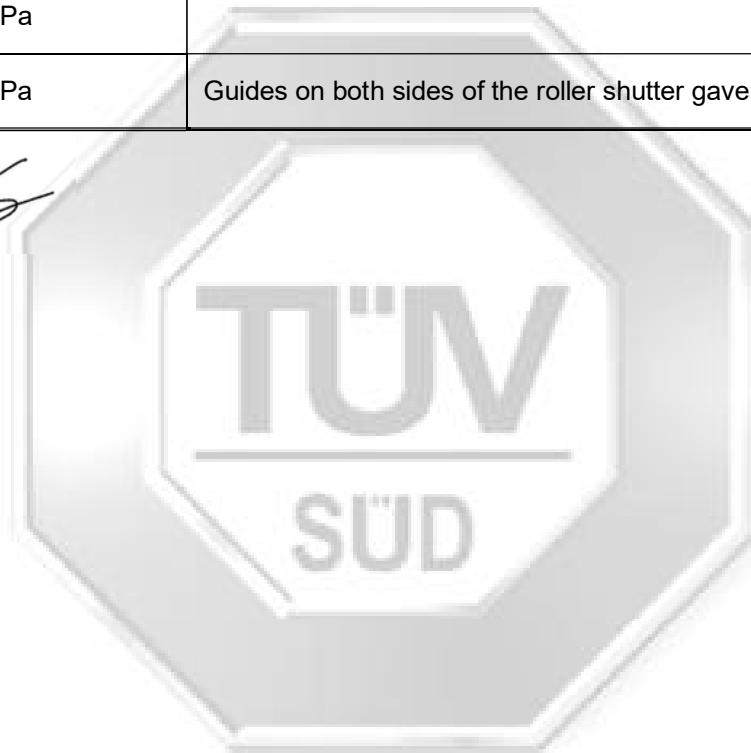
Regional Head Office:
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15 International Business Park
TÜV SÜD @ IBP
Singapore 609937
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Test Results:

Test load	Observation
500Pa	No Failure observed
1000Pa	
1500Pa	
2000Pa	
2500Pa	
	Guides on both sides of the roller shutter gave way after 2500Pa

Bays



Photos:



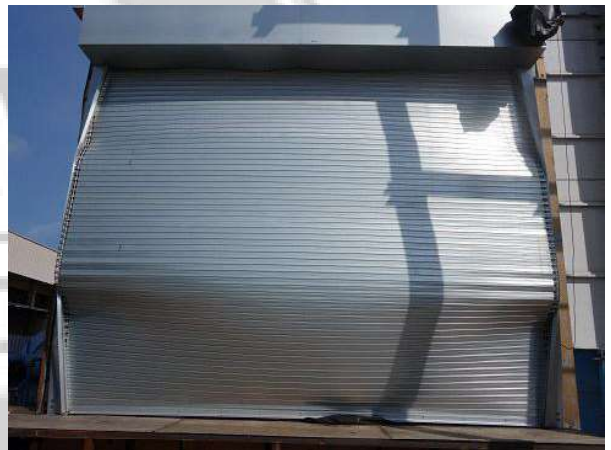
A1. Overview of Mock up specimen



A2. EPDM rubber covered the whole surface area of Mock up specimen



A3. 2 Locking bolt on both roller shutter guides



A4. Failure was observed after 2500Pa

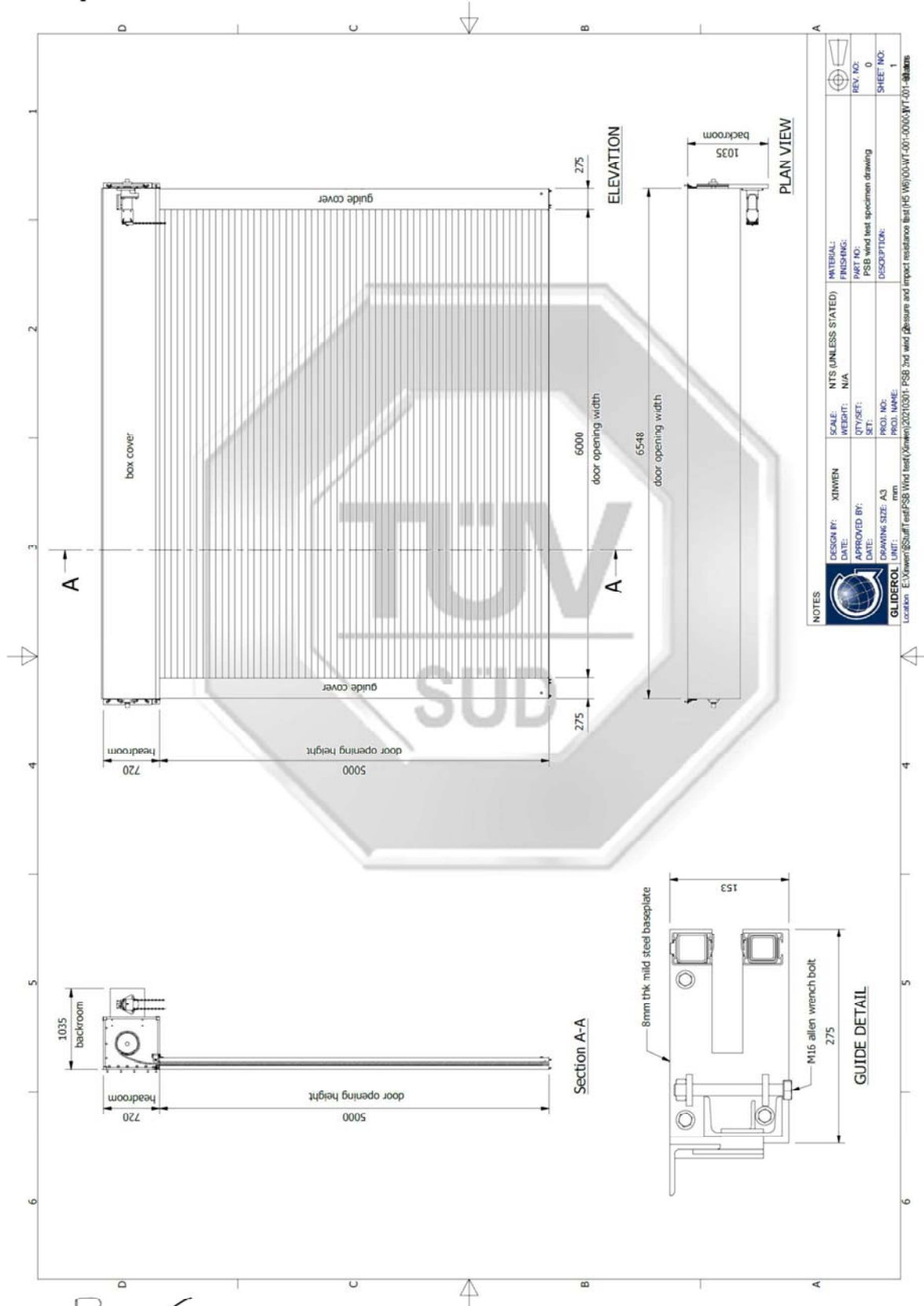


Bay Yuan Li
Testing Officer



Ng Yui Xiong
Assistant Manager
Building group
RI- Mechanical Centre

Drawings:



Bay

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Effective 26 January 2021

