

TEST REPORT

No. : GZIN2509001490CM01_EN

Date : 2025-08-20

Page: 1 of 5

CUSTOMER NAME: SLIKO BECKER LTD ASTS
ADDRESS: ROOM 104, UNIT 1, BUILDING 3, NO. 198 LUOGANG HUANGANG
NORTH ROAD, JUNHE STREET, BAIYUN DISTRICT,
GUANGZHOU, P.R.CHINA

Sample Name : OPERABLE WALLS

Product Specification : SB-105

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : 2025-08-08
Testing Period : 2025-08-08 ~ 2025-08-20
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. Guangzhou
Branch.



Tobby Yang
Authorized signatory



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I、 Condition

- 1) Volume of source room:300m³, Volume of receive room :145m³; 2
- 2) Temperature:28°C
- 3) Relative humidity:65%

II、 Accordance

According to 'ASTM E90-2009(2016): Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements' and 'ASTM E413-10: Classification for Rating Sound Insulation'.

The sound reduction index $TL(f)$ shall be calculated by the following equation:

$$TL(f) = L_S(f) - L_R(f) + 10 \log S / A_R(f) \quad (1)$$

$L_S(f)$ ——average sound pressure level in the source room, dB;

$L_R(f)$ ——average sound pressure level in the receiving room, dB;

S ——area of test specimen that is exposed in the receiving room, m²;

$A_R(f)$ ——sound absorption of the receiving room with the test specimen in place, m².

III、 Instruments

B&K 2270 Investigation, Power amplifier B&K 2716, Omni directional speaker B&K 4292
Microphone B&K 4189 and accessories.



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IV、 Test Results :

Specifications	OPERABLE WALLS SB-105 (area:10.5m ²) was mounted in the middle of the wall between the source room and the receive room.	
Test	Laboratory Measurement of Airborne Sound Transmission Loss*	
Test Results		
Frequency (Hz)	The sound reduction index R, dB	<p>The sound transmission loss of the tested specimen are plotted as follows</p>
80	31.0	
100	38.0	
125	39.0	
160	40.0	
200	42.0	
250	45.0	
315	47.0	
400	49.0	
500	50.0	
630	51.0	
800	54.0	
1000	57.0	
1250	58.0	
1600	59.0	
2000	59.0	
2500	59.0	
3150	60.0	
4000	61.0	
5000	63.0	
STC	55	



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V. Photographic Records :



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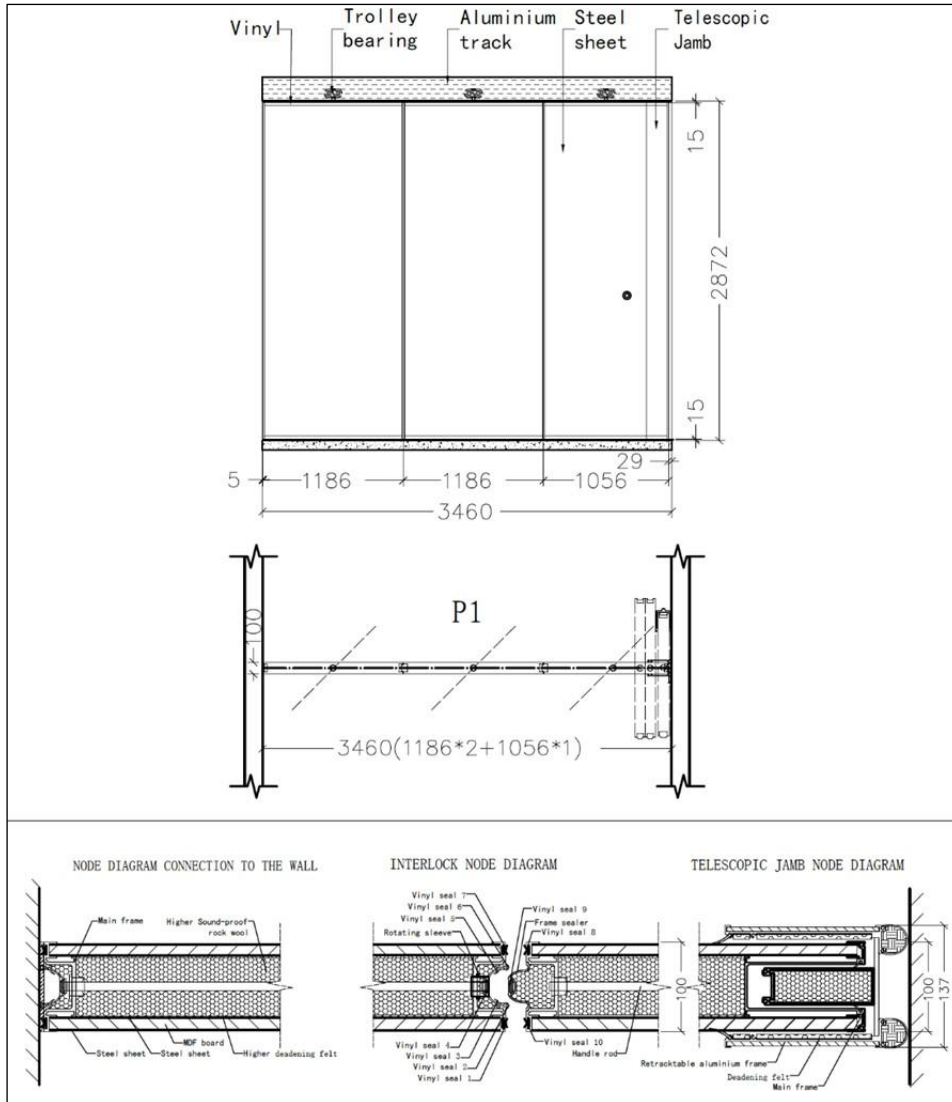
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*Test item was carried out by subcontractors.

Appendix information:

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc., and just for internal reference.

*****End of report*****



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