

Latham's Security Doorsets Ltd

TEST REPORT

REPORT NUMBER

180426004SHF-BP-5

ISSUE DATE

2018/10/9

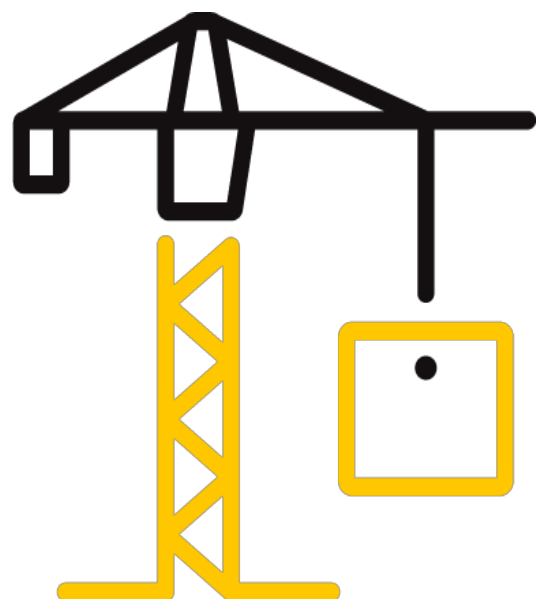
PAGES

7

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10a

© 2018 INTERTEK



Test Report

Issue Date: 2018/10/9 Intertek Report No. 180426004SHF-BP-5

Applicant: Latham's Security Doorsets Ltd

Applicant Address: No.C29 Export Trade Processing Zone, Economic Exploration Garden, Chongqing
North New District, Chongqing, China

Attn: Ricky

SUBJECT: Performance testing
STEEL DOOR

Dear Sir,

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

| TEST METHODS AND STANDARDS | |
|------------------------------------|--|
| Refer to the next following Pages. | |

| SAMPLE ID | MODEL | SPECIFICATION |
|-------------------|-----------------|---------------|
| S180426004SHF.005 | BF1/2NN****XA50 | 2200mm*2200mm |
| | | |
| | | |

SAMPLE RECEIVED: 2018/5/29
TESTED FROM: 2018/7/23 TO 2018/10/9

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Test Report

Issue Date: 2018/10/9

Intertek Report No. 180426004SHF-BP-5

Test Items, Method and Results:

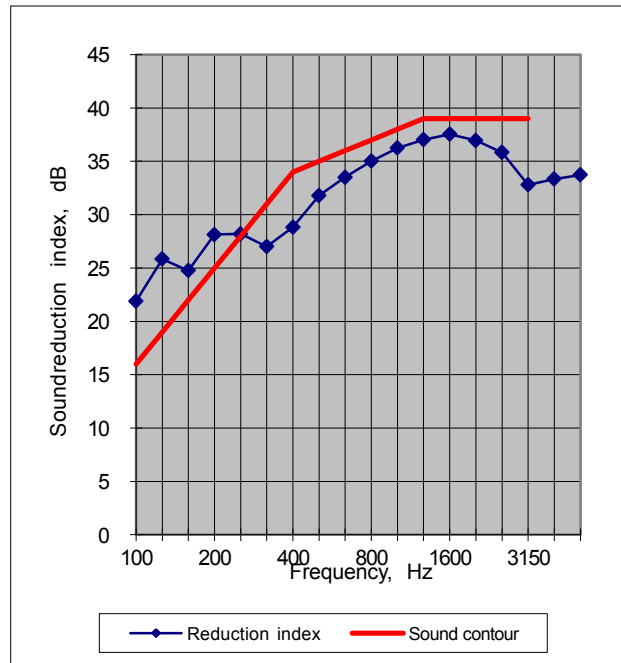
Test method: ISO 10140-2:2010

Temperature: 28 °C Relative Humidity: 70 %

Volume of the source room: 112 m³ Volume of the receiving room: 137 m³

Specimen area: 4.9 m² (detail drawing see Test Photos)

| Frequency (Hz) | Sound Reduction Index, Ri (dB) |
|----------------|--------------------------------|
| 100 | 21.9 |
| 125 | 25.8 |
| 160 | 24.8 |
| 200 | 28.1 |
| 250 | 28.2 |
| 315 | 27.0 |
| 400 | 28.8 |
| 500 | 31.8 |
| 630 | 33.5 |
| 800 | 35.0 |
| 1000 | 36.3 |
| 1250 | 37.0 |
| 1600 | 37.5 |
| 2000 | 36.9 |
| 2500 | 35.8 |
| 3150 | 32.8 |
| 4000 | 33.3 |
| 5000 | 33.7 |



Rating according to ISO 717-1:2013

| | |
|---|---------------------------|
| Weighted Sound reduction index | Rw(C;Ctr)= 35 (-1; -3) dB |
| Spectrum A-weighted pink noise | C= -1 dB |
| Spectrum A-weighted urban traffic noise | Ctr= -3 dB |

Note:

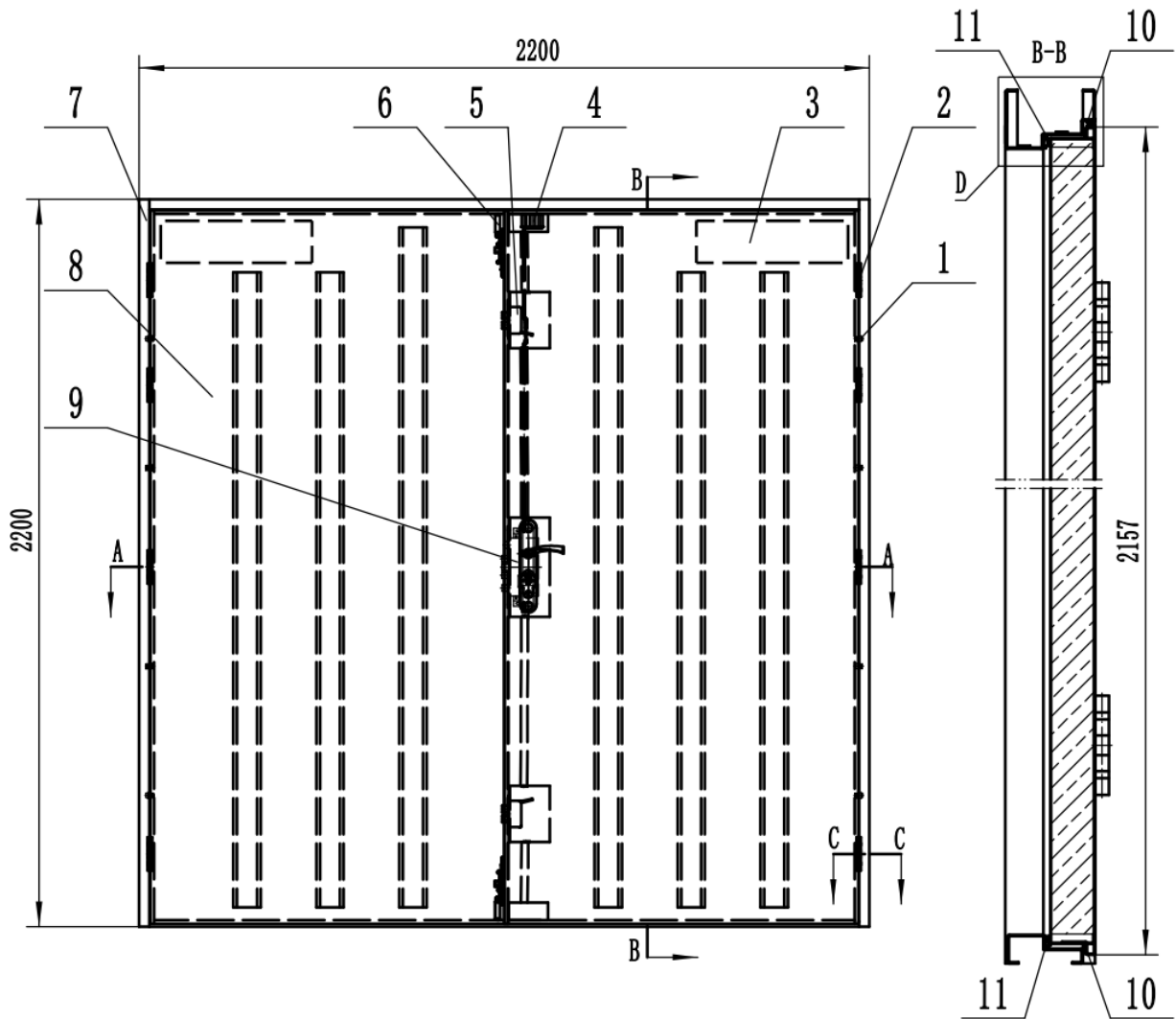
1. Evaluation based on laboratory measurement results obtained by an engineer method.

Test Report

Issue Date: 2018/10/9

Intertek Report No. 180426004SHF-BP-5

Test Photos:

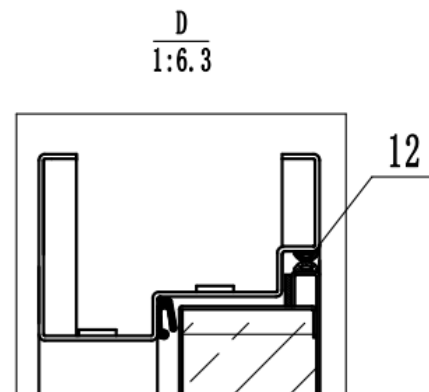
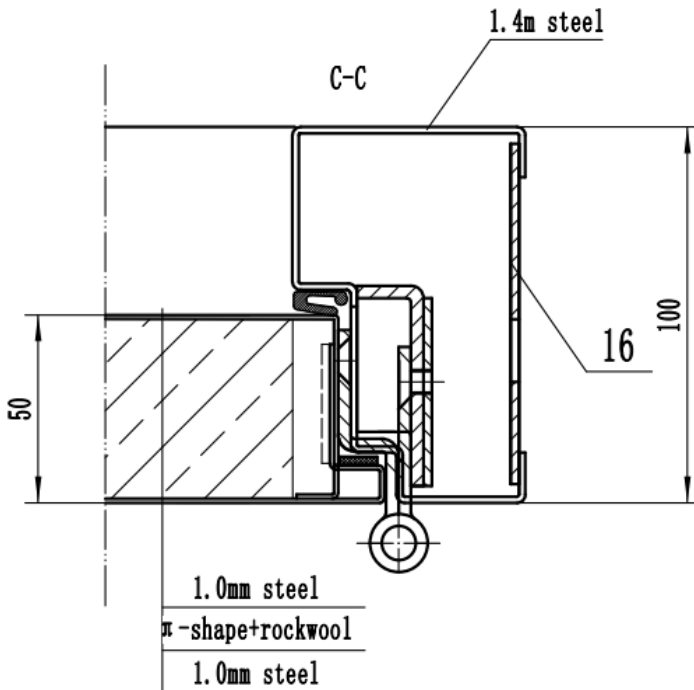
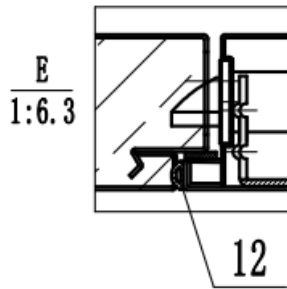
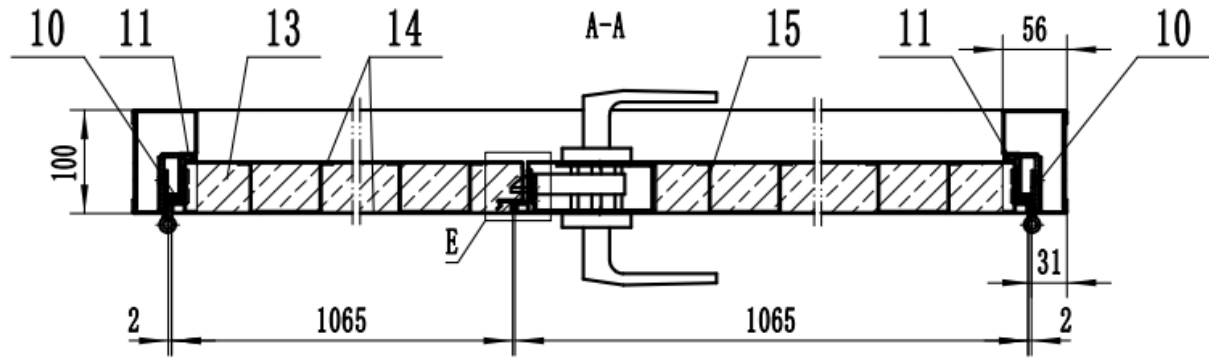


Test Report

Issue Date: 2018/10/9

Intertek Report No. 180426004SHF-BP-5

Test Photos:



Sample drawing

Test Report

Issue Date: 2018/10/9

Intertek Report No. 180426004SHF-BP-5

Test Photos:



Test set up

Test Report

Issue Date: 2018/10/9

Intertek Report No. 180426004SHF-BP-5

APPENDIX: 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.

Jodie Zhou  *Evyn Cui*
Name: Jodie Zhou Name: Evyn Cui
Title: Reviewer Title: Project Engineer

Revision:

| NO. | DATE | CHANGES | AUTHOR | REVIEWER |
|-------------------|-----------|-------------|----------|------------|
| 180426004SHF-BP-5 | 2018/10/9 | First issue | Evyn Cui | Jodie Zhou |