

# SHIELD SECURITY DOORS LTD. AND JSC MUNITUS FORCED ENTRY TEST REPORT

**SCOPE OF WORK**

SD-STD-01.01 REVISION G (AMENDED) TESTING ON FLUSH, SIDE-HINGED, STEEL DOOR ASSEMBLIES

**REPORT NUMBER**

K7636.01-119-12 R2

**TEST DATES**

08/11/20 - 08/17/20

**ISSUE DATE**

10/16/20

**REVISED DATE**

10/21/20

**RECORD RETENTION END DATE**

08/17/24

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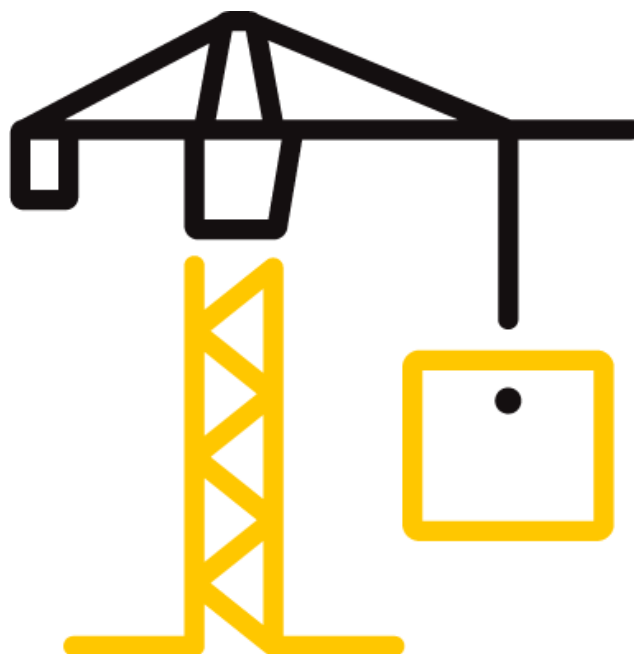
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## TEST REPORT FOR SHIELD SECURITY DOORS LTD. AND JSC MUNITUS

Report No.: K7636.01-119-12 R2

Date: 10/16/20

### REPORT ISSUED TO

#### SHIELD SECURITY DOORS LTD.

2 Prince Street, Suite 5005  
Brooklyn, New York 11201

#### JSC MUNITUS

Žarijų str. 4  
Vilnius, Lithuania, LT02300  
Company code: 305083960

### SECTION 1

#### SCOPE

Intertek Building & Construction (B&C) was contracted by Shield Security Doors LTD., Brooklyn, New York to perform testing in accordance with SD-STD-01.01 Revision G (Amended) on four inswing and outswing flush, side-hinged opaque steel security doors. Results obtained are tested values and were secured by using the designated test methods. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

### SECTION 2

#### SUMMARY OF TEST RESULTS

TITLE	SPECIMEN NO.			
	1	2	3	4
Forced Entry Resistance (5-minute)	Pass	Pass	--	--
Forced Entry Resistance (15-minute)	--	--	Pass	Pass

For INTERTEK B&C:

**COMPLETED BY:** Jordan M. Gault

**TITLE:** Technician II

**SIGNATURE:** 

Digitally Signed by: Jordan Gault

**DATE:** 10/21/20

**REVIEWED BY:** V. Thomas Mickley, Jr., P.E.

**TITLE:** Senior Staff Engineer

**SIGNATURE:** 

Digitally Signed by: Virgal Thomas Mickley, Jr.

**DATE:** 10/21/20

JMG:vtm/aas

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## TEST REPORT FOR SHIELD SECURITY DOORS LTD. AND JSC MUNITUS

Report No.: K7636.01-119-12 R2

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### SECTION 3

#### TEST METHOD

Each test specimen was evaluated in accordance with the following:

**SD-STD-01.01 Revision G (Amended)**, *Certification Standard, Forced Entry and Ballistic Resistance of Structural Systems*

The specimen was evaluated to the following testing levels in accordance with SD-STD-01.01 Revision G (Amended):

<b>Forced Entry Resistance:</b>	5 minutes (specimen No.'s 1 and 2) 15 minutes (specimen No.'s 3 and 4)
<b>Ballistic Resistance:</b>	Not evaluated

### SECTION 4

#### MATERIAL SOURCE/INSTALLATION

The test specimens were provided by the client in good condition. Representative samples of the test specimens will be retained by Intertek B&C for a minimum of four years from the test completion date.

Each specimen was installed into a steel buck. Installation of the tested product was performed by the client.

**TEST REPORT FOR SHIELD SECURITY DOORS LTD. AND JSC MUNITUS**

Report No.: K7636.01-119-12 R2

Date: 10/16/20

**SECTION 5  
EQUIPMENT**

**SD-STD-01.01, Revision G (Amended), Certification Standard, Forced Entry and Ballistic Resistance of Structural Systems**

Table II. Forced Entry Test Resources

RESOURCE	DESCRIPTION	5-MINUTE ATTACK	15-MINUTE ATTACK
Active Personnel	--	2	6
Sledge Hammer	12 lbs, Double Faced, 30 in	--	2
Sledge Hammer	10 lbs, Double Faced, 30 in	2	2
Carpenter Hammer	3 lbs	2	2
Carpenter Hammer	1 lb	2	2
Ram	120 lbs, 2 man, 4 by 4 in	1	1
Wood Splitting Maul	9 lbs, 35 in	--	1
Wood Axe, Single Bit	3-1/2 lbs, 36 in	--	1
Crowbar, Pinch Bar	60 in	--	2
Crowbar, Ripping Bar	48 in	1	2
Crowbar, Ripping Bar	24 in	--	2
Metal Wedge, Wood Splitting	9 x 2-1/2 in	2	4
Hacksaw	12 in	--	2
Keyhole Saw	Wood, 12 in	1	1
Bolt Cutters	48 in	--	1
End Nippers	14 in	1	1
Chisel, Cold	1 in	1	2
Chisel, Cold	3/4 in	1	2
Chisel, Masonry	2-1/4 in	1	2
Screwdriver, Flat Blade	10 in	--	2
Screwdriver, Flat Blade	Medium, 1/4 in	--	2
Screwdriver, Phillips	10 in	--	2
Screwdriver, Phillips	No. 1	--	2
Channel Locks	10 in	1	1
Adjustable Wrench	15 in	--	1
Adjustable Wrench	10 in	--	2
Punch	3/8 in	--	1
Punch	1/4 in	--	1
Torch, Propane	Portable	--	1
Vice Grip	12 in	1	1
Push Broom	Wooden	1	1

## TEST REPORT FOR SHIELD SECURITY DOORS LTD. AND JSC MUNITUS

Report No.: K7636.01-119-12 R2

Date: 10/16/20

### SECTION 6

#### LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Samuel Fish (virtual)	Shield Security Doors Ltd.
Justinas Rimkus (virtual)	Shield Security Doors Ltd.
Markas Vysniauskas (virtual)	JSC Munitus
Vaclovas Bieska (virtual)	JSC Munitus
Scott T. Gladfelter	Intertek B&C

### SECTION 7

#### TEST PROCEDURES

##### Forced Entry Resistance Tests

The sample was rigidly mounted for forced entry resistance testing. The resources (tools) for forced entry testing were provided to test personnel, in addition to a 12 in by 12 in by 8 in rectangular solid and a 12 in by 12 in cylinder representing contraband. A tripod-mounted video camera was used to record the entire forced entry test sequence. The surface temperature of the test specimen was recorded following each attack sequence. Concentrated assault team members are listed in the following table.

##### Forced Entry Resistance Test Personnel

NAME	AGE (yrs)	WEIGHT (lbs)	SPECIMEN NO.'S
Jordan Gault	23	260	1, 2, 3, 4
Michael Swart	26	175	1, 2, 3, 4
Isaiah Gebhart	36	190	1, 2, 3
Robert Spayd	36	220	3
Kevin Eichelberger	25	145	3, 4
Cory Straub	33	215	1, 2, 3, 4
Cooper Kennedy	27	230	3, 4
Rob Beatty	30	230	3
Andrew Mehalick	37	300	3, 4
Kevin Shaffer	42	174	4
Dan Mohler	35	210	4
John Shanabrook	35	284	4

## TEST REPORT FOR SHIELD SECURITY DOORS LTD. AND JSC MUNITUS

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### Description of Attacks

#### Specimen No. 1

Center of Door (Panel): 5-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Two assault team members were utilized.

Hinge Side: 5-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Two assault team members were utilized.

Latch/Locking Hardware Side: 5-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Two assault team members were utilized.

#### Specimen No. 2

Center of Door (Panel): 5-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Two assault team members were utilized.

Hinge Side: 5-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Two assault team members were utilized.

Latch/Locking Hardware Side: 5-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Two assault team members were utilized.

#### Specimen No. 3

Center of Door (Panel): 15-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Six assault team members were utilized.

Hinge Side: 15-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Six assault team members were utilized.

Latch/Locking Hardware Side: 15-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Six assault team members were utilized.

#### Specimen No. 4

Center of Door (Panel): 15-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Six assault team members were utilized.

Hinge Side: 15-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Six assault team members were utilized.

Latch/Locking Hardware Side: 15-minute protection level attack using resources (tools) from Table II of SD-STD-01.01 Revision G (Amended). Six assault team members were utilized. Following the completion of the 15-minute attack, the team was directed by the client to continue the assault to determine the time required to gain access of a contraband object.

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**SECTION 8**

**TEST SPECIMEN DESCRIPTION**

	SPECIMEN NO.			
	1	2	3	4
<b>PRODUCT ID</b>	US355	US356	US345	US346
<b>SWING</b>	Inswing	Outswing	Inswing	Outswing
<b>PRODUCT TYPE</b>	Side-Hinged Security Door			
<b>LOCKSET</b>	Mottura 85.771 mortise lock and 2x Mottura 96.087l bolt sets			
<b>HINGE</b>	Pettiti Giuseppe 1150RR/AD-AS (four per door)			
<b>OVERALL SIZE</b>	3 ft - 6 in wide by 8 ft - 5-1/2 in high			
<b>FINISH</b>	Primered Steel			

**SECTION 9**

**TEST RESULTS**

**Test Date:** 08/11/20 - 08/17/20

**Ambient Temperature:** 85±5°F

**Relative Humidity:** 65±10%

**Forced Entry Test Results**

**Specimen No. 1**

The assault team was unable to create an opening large enough to pass the 12 in by 12 in by 8 in rectangular solid or 12 in by 12 in cylinder representing contraband during any of the three 5-minute attacks on the center of the door (panel), the hinge side of the door, or the latch/locking hardware side of the door.

**Specimen No. 2**

The assault team was unable to create an opening large enough to pass the 12 in by 12 in by 8 in rectangular solid or 12 in by 12 in cylinder representing contraband during any of the three 5-minute attacks on the center of the door (panel), the hinge side of the door, or the latch/locking hardware side of the door.

**Specimen No. 3**

The assault team was unable to create an opening large enough to pass the 12 in by 12 in by 8 in rectangular solid or 12 in by 12 in cylinder representing contraband during any of the three 15-minute attacks on the center of the door (panel), the hinge side of the door, or the latch/locking hardware side of the door.