
DESIGN DESCRIPTION AND TECHNICAL INFORMATION FOR SIDE DOORS INSTALLATION



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1. SIDE DOOR SET DESCRIPTION

1.1. SIDE DOOR STANDARD SET

1.1.1. Side door standard set elements:

- Plane framing side door leaf with panel filling;
- The leaf frame is produced of aluminum extruded profiles;
- Two-walled steel sandwich panels with polyurethane foam or aluminum panels with translucent framing are used as a filling.
- Leaf door case with threshold produced of aluminum extruded profiles. The construction makes it possible to change the threshold in course of operation without dismounting of side door case;
- Ledge seals between leaf and door side case based on ethylene-propylene-diene monomer (EPDM). Seals of upper face and side face are double-sided, of threshold - one sided;
- Ornamental plug set of profiles based on EPDM;
- Adjustable hinge set fixed at special profile grooves of door leaf frame and door side case;
- Mortise lock set with latch, cylinder mechanism and keys;
- Push handle set with cover plates and fittings.

1.2. PAINTING

Painting of side door case, of door side leaf frame, of aluminum panels and furniture is made by polyester powder paint, according to QUALICOAT 2000. The door side threshold is not painting. Sandwich panels painting is done by acrylic-polyurethane paint TIKKURILA.

Leaf side door basic color - white (RAL9016). Basic color of leaf case, leaf frame and furniture is silver metal (RAL9006).

It is possible to paint the side door leaf in colors by RAL catalogue. Possibility of painting in colors like metal-type, pearl and reflecting colors is considered at individual request.

1.3. ADDITIONAL SET KITTING

1.3.1. Additionally side door can be set with door closer of lever-type.

1.3.2. Additionally leaf side door can be glazed.

1.4. INFORMATION-TECHNICAL DOCUMENTS

1.4.1. The side door is set with name plate and product certificate.

1.5. SIDE DOOR PACKING

1.5.1. Side door standard packing includes:

- Leaf side door assembled with case and hinges packed in polyethylene bubble wrap.
- Packed in individual carton box push handles, door closer and also lock keys and product certificate. The box is put in side door package.

2. SIDE DOOR CHARACTERISTICS

For unified style of side door and sectional doors installed in one face plane the following conditions should be satisfied:

- The set of side door leaf panels and of door leaf panels should be equal;
- Joints position between the panels should be at one level;
- Face picture and color of side door leaf panels and door leaf panels should be equal.

2.1. SIDE DOOR DIMENSIONS

NOTE. The ordered dimensions are side door overall width x height (RAM).

2.1.1. 2.1.1 Side door with pictures «microwave», «horizontal ribs», «golden oak», and also with panoramic sections are made of following dimensions:

Side door height,	Side door width,mm				
	875	900	1000	1125	1250
	On demand				
1900	+	+	+	+	+
2000	+	+	+	+	+
2125	+	+	+	+	+
2250	+	+	+	+	+
	On demand				

From the dimension scale presented there can be chosen intermediate values of side door width and height with step of 5 mm.

The possibility to produce the side door with dimensions that go beyond a standard dimensional scale can be considered at individual request.

2.1.2. 2.1.2 Because of compliance with requirements of side door installation in the same face plane with sectional doors, side doors with panel picture «cassette» are produced of fixed height dimensions depending on door height in conformity with mentioned below scale:

Side door height, mm	Side door width,mm					Panel height,mm	Panels number in the side door	Door height,(RM),mm
	875	900	1000	1125	1250			
	On demand							
1910	+	+	+	+	+	450	4	2335, 2785
2010	+	+	+	+	+	475	4	2460, 2935
2110	+	+	+	+	+	500	4	2085, 2585, 3085
2210	+	+	+	+	+	525	4	2185, 2710
2235	+	+	+	+	+	425	5	2210,2635, 3060
	On demand							

From the dimensions scale presented there can be chosen intermediate values of side door width with step of 5 mm.

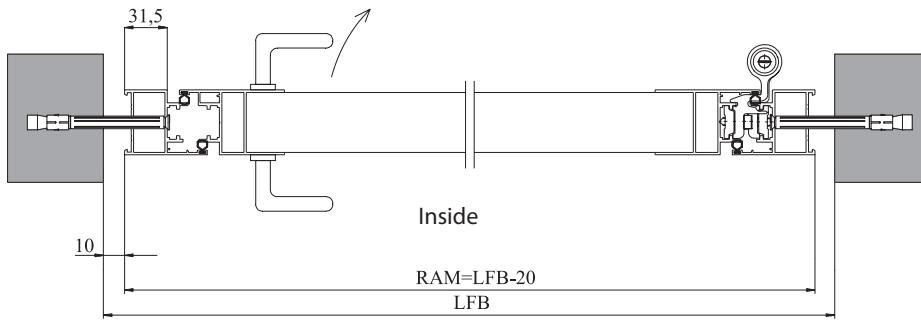
3. SIDE DOOR MOUNTING SCHEMES

3.1. BUILT-IN MOUNTING

Built-in mounting

Outside opening

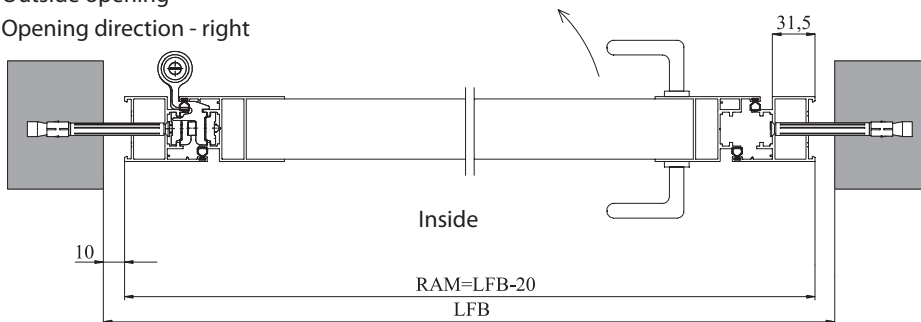
Opening direction - left



Built-in mounting

Outside opening

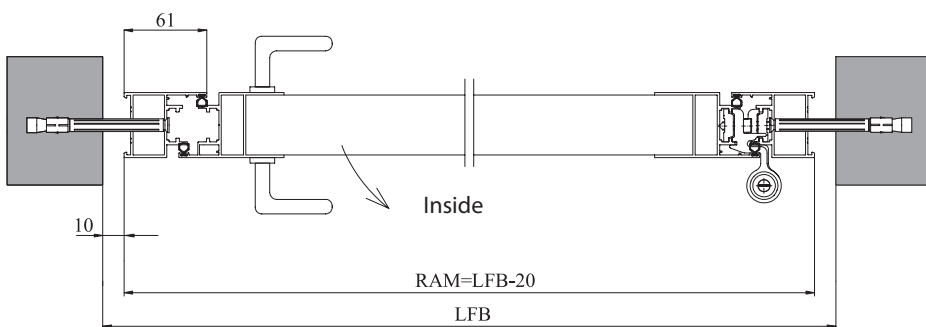
Opening direction - right



Built-in mounting

Inside opening

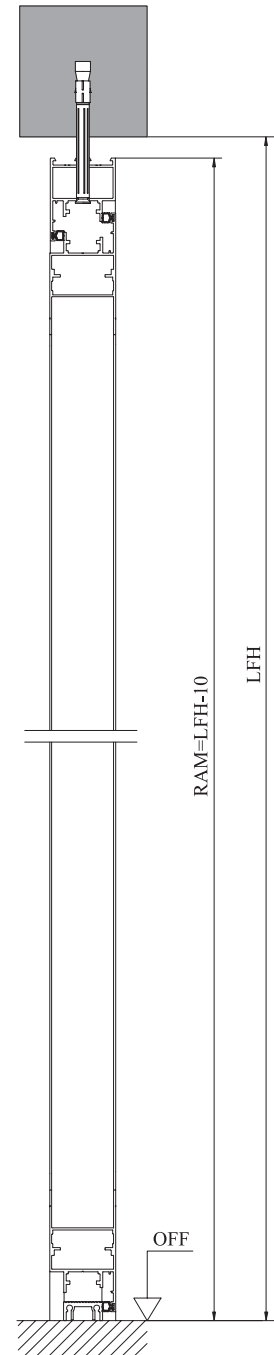
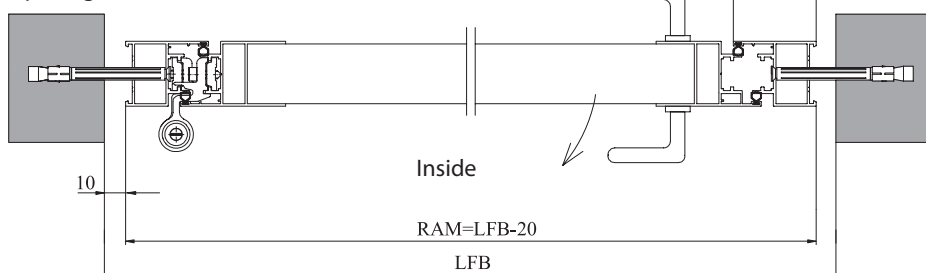
Opening direction - right



Built-in mounting

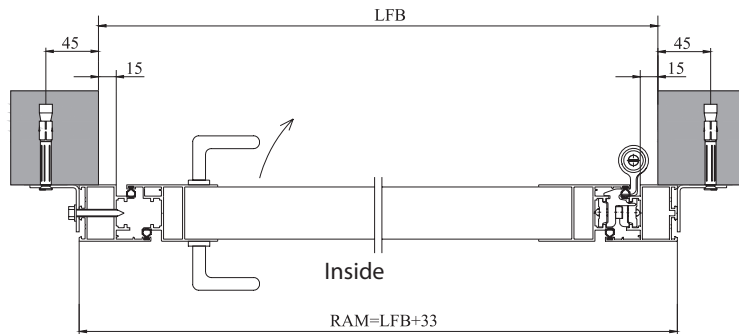
Inside opening

Opening direction - left

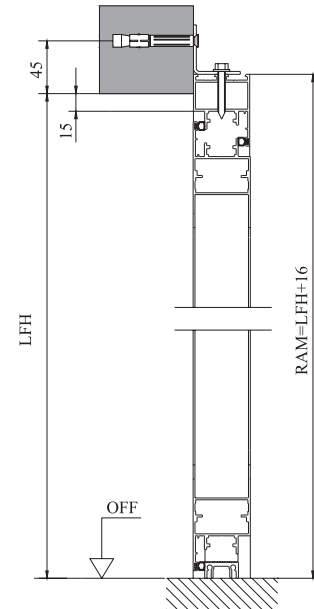
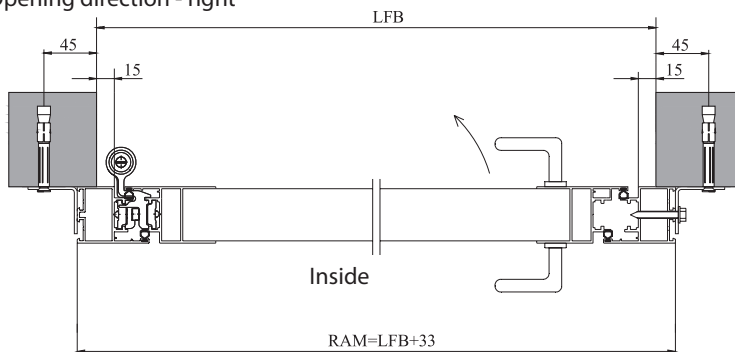


3.2. LAID ON MOUNTING. TYPE 1

Laid on mounting
Outside opening
Opening direction - left

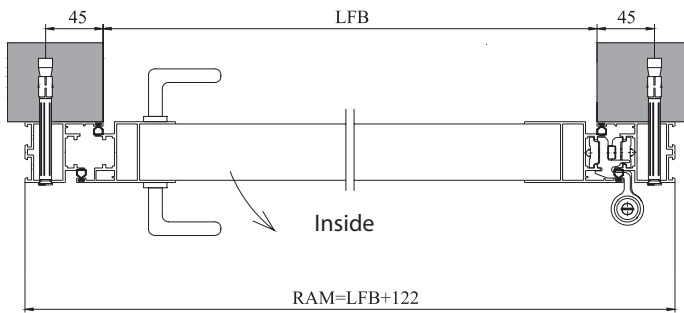


Laid on mounting
Outside opening
Opening direction - right

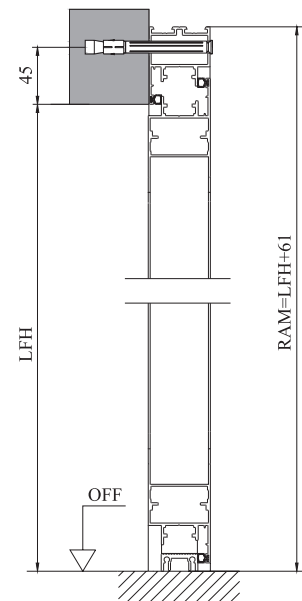
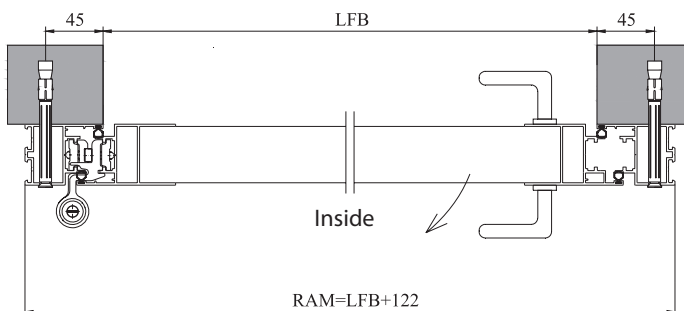


3.3. LAID ON MOUNTING. TYPE 2

Laid on mounting
Inside opening
Opening direction - right

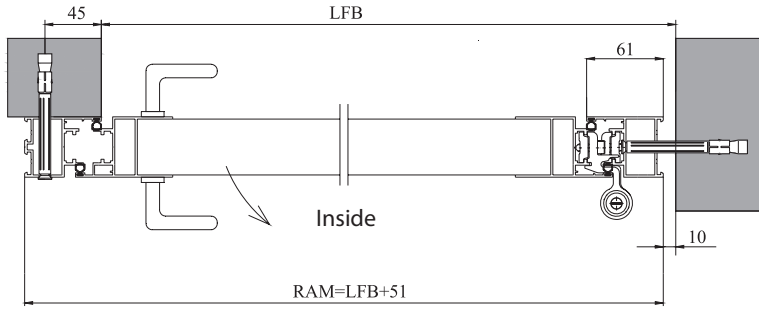


Laid on mounting
Inside opening
Opening direction - left

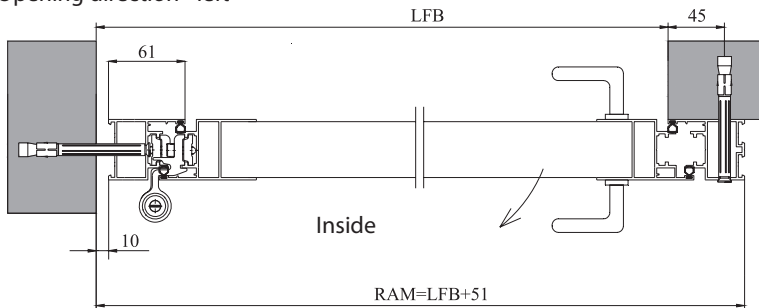


3.4. COMBINED MOUNTING. TYPE 1

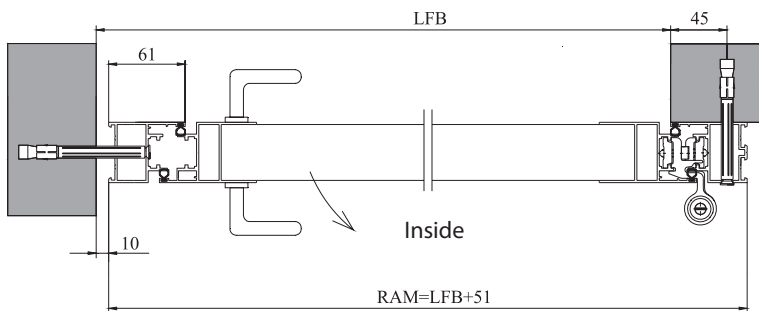
Combined mounting. Laid on ledge
Inside opening
Opening direction - right



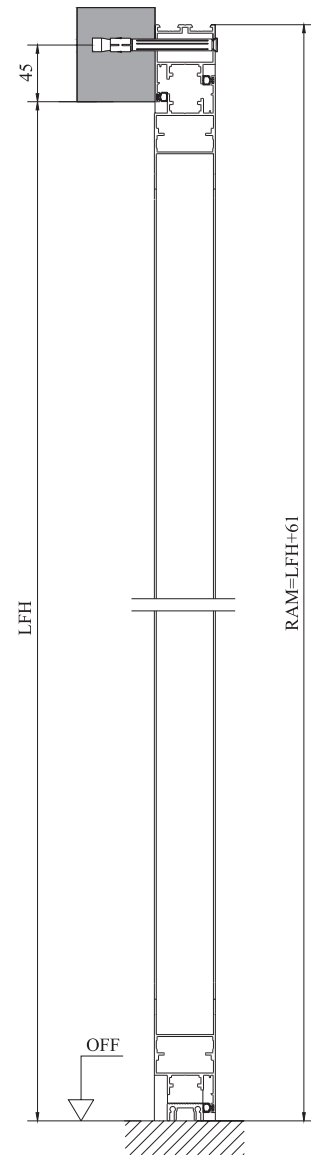
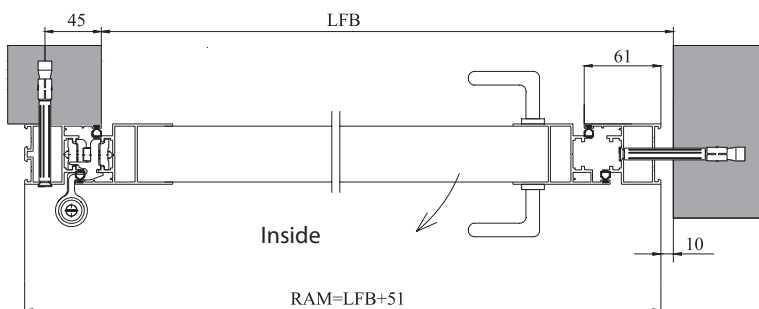
Combined mounting. Laid on ledge
Inside opening
Opening direction - left



Combined mounting. Built-in ledge
Inside opening
Opening direction - right

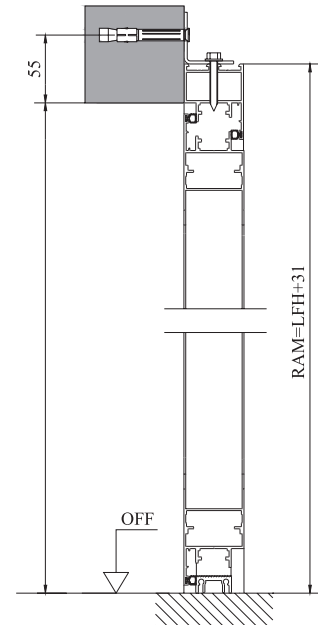
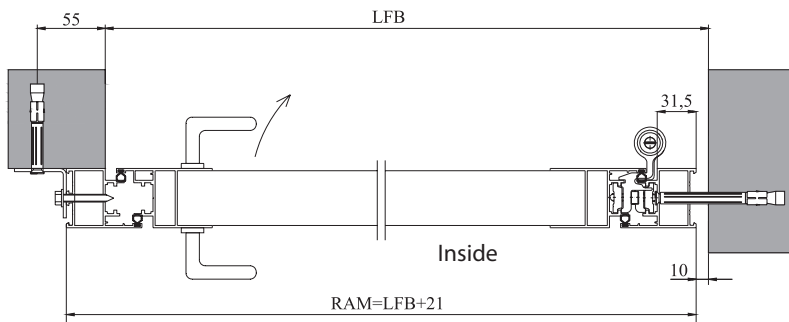


Combined mounting. Built-in ledge
Inside opening
Opening direction - left

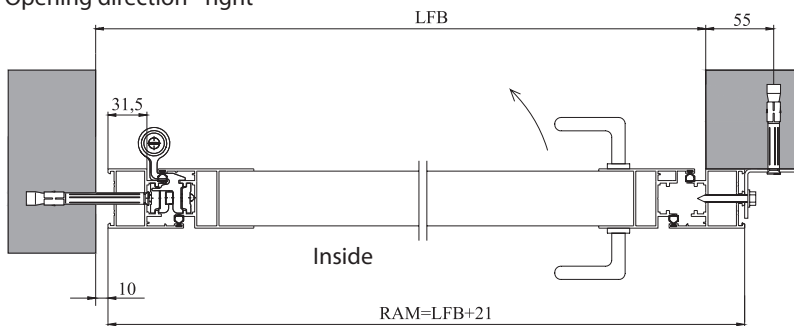


3.5. COMBINED MOUNTING. TYPE 2

Combined mounting. Laid on ledge
 Outside opening
 Opening direction - left

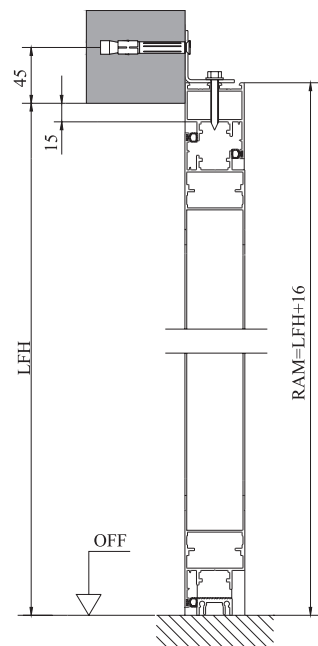
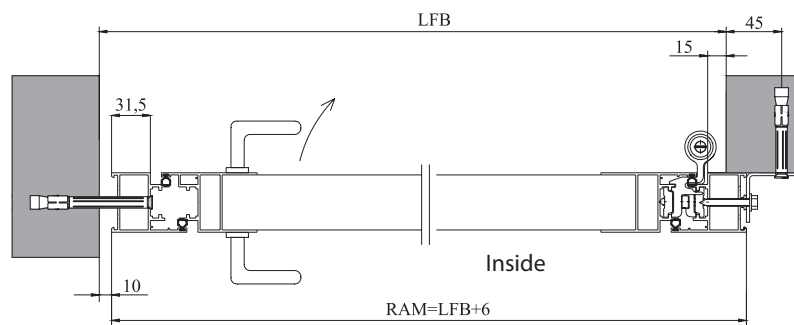


Combined mounting. Laid on ledge
 Outside opening
 Opening direction - right

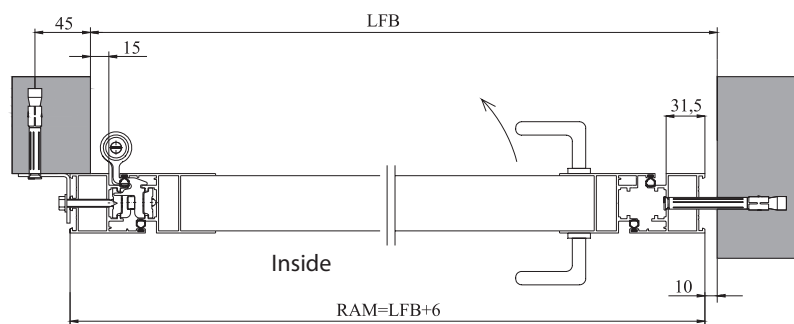


3.6. COMBINED MOUNTING. TYPE 3

Combined mounting. Built-in ledge
 Outside opening
 Opening direction - left



Combined mounting. Built-in ledge
 Outside opening
 Opening direction - right



4. REQUIREMENTS TO PASSAGE

4.1. GENERAL INSTRUCTIONS

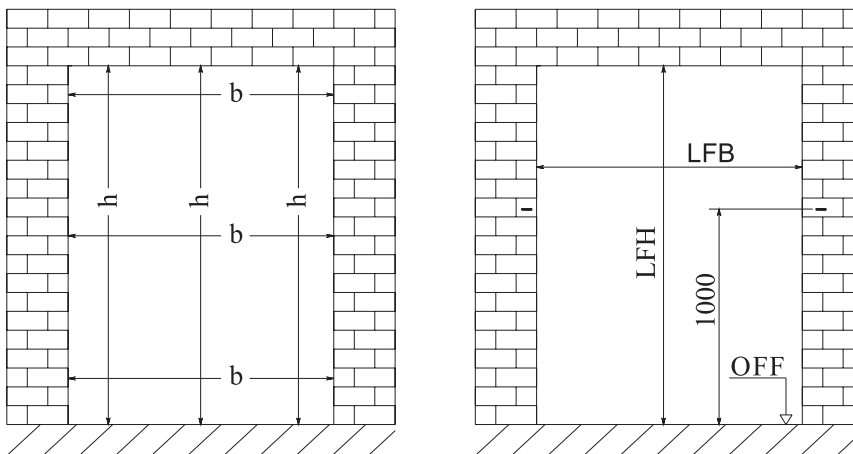
Prepared passages should meet the following requirements:

- passages should have a rectangular form;
- edges and surfaces of outside and inner slopes should not have spalls, blisters, plaster overflows, cracks and other defects with height (depth) more than 5 mm, defective places should be putty with waterproof solution;
- dirty and oil surfaces should be degreased;
- loose and friable surfaces should be firmed (worked with binding substance);
- deviation of working surfaces from vertical and horizontal axis should not be more than 1,5 mm/m, but not more than 5 mm for passage full-length and width;
- the side passage surfaces should have marks indicating the level of zero mark (of a clean floor). All the sizes are defined from zero marks.

Side door installation place according to passage depth should correspond to design documentation.

4.2. PASSAGE MEASUREMENT

The passage height (h) is measured from the left, from the right and in the middle, the passage width (b) – from the top, from the bottom and in the middle. The largest dimensions at height (LFH) and width (LFB) of the passage are determinative by order of side door with laid-on mounting. The smallest dimensions at height (LFH) and width (LFB) of passage are determinative by order of side door with built-in mounting.



LFB – passage height

LFH – height from clean floor surface to passage headroom bottom edge

OFF – clean floor surface



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