

DERCHI

德技优品.门窗

143 Sliding door Installation Instruction

R & D Technology Department

Version: First Edition (2025.03)

共23页

Note:
INSTRUCTION

This installation process document is specifically prepared for the on-site installation and acceptance standards of ** project's aluminum alloy doors and windows.


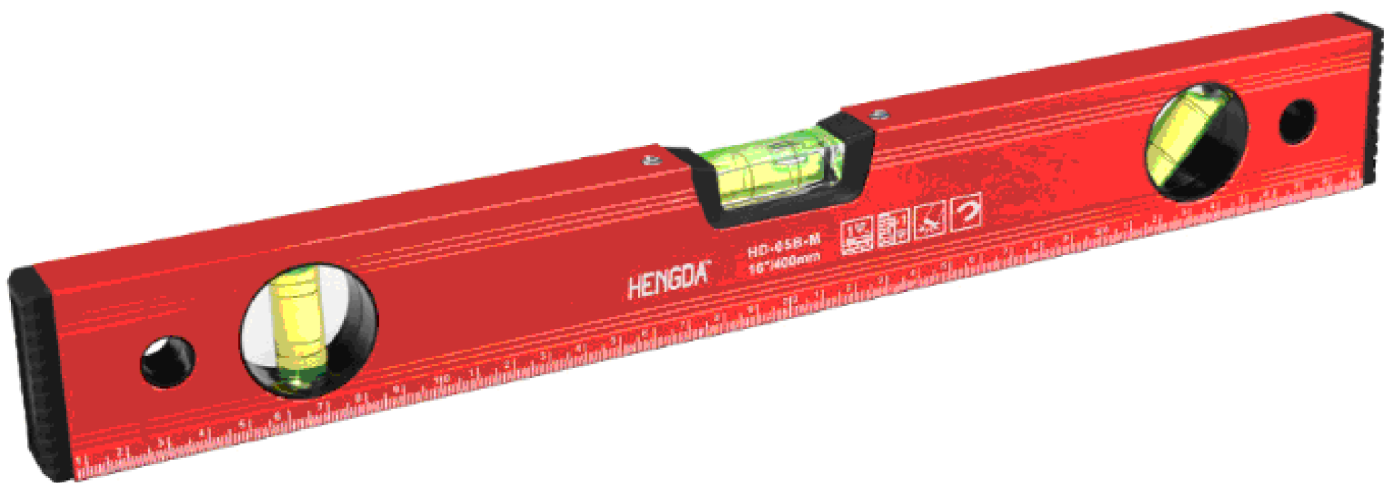

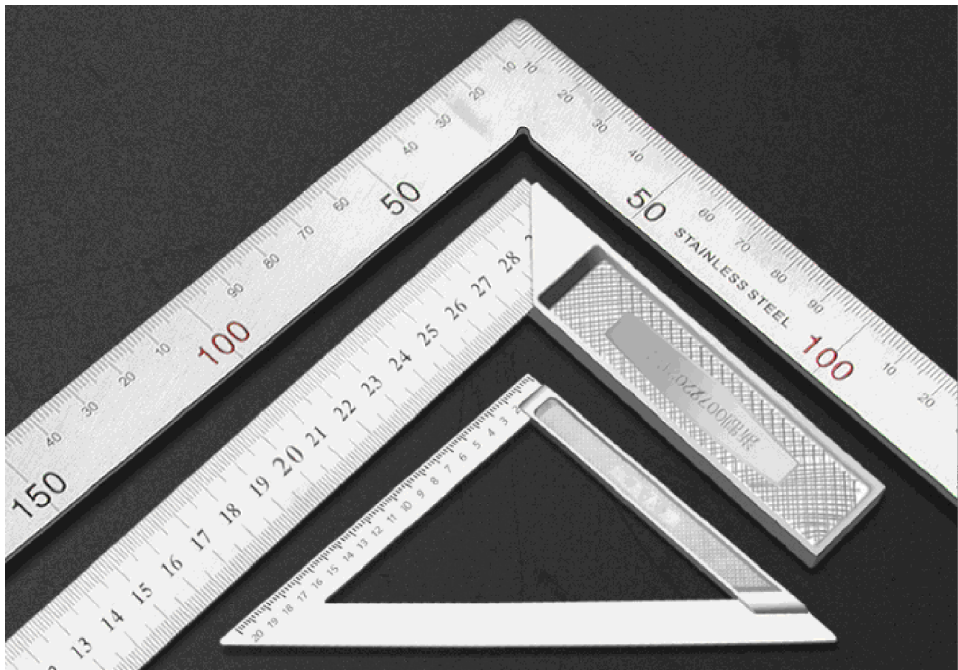
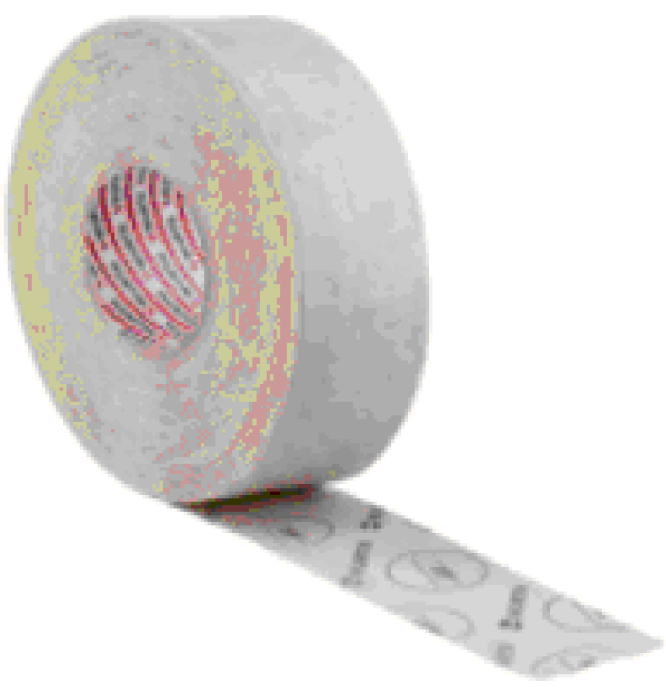

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图		143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门		
	审核	-	2025.03.08	图类:	共23页	
图纸版本序号 <input type="text"/> 图类: <input type="text"/>						

目录 Catalog

- 一. List of Tools for Door and Window Installation. 4-6
- 二. Sliding Door Outer Frame Assembly. 7
- 三. Installation Method of Sliding Door into Opening. 8-21
- 四. Installation and Adjustment of Sliding Door Accessories. 22-23

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图		143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门		
	审核	-	2025.03.08	图类:	共23页	

Door and Window Installation Tools List

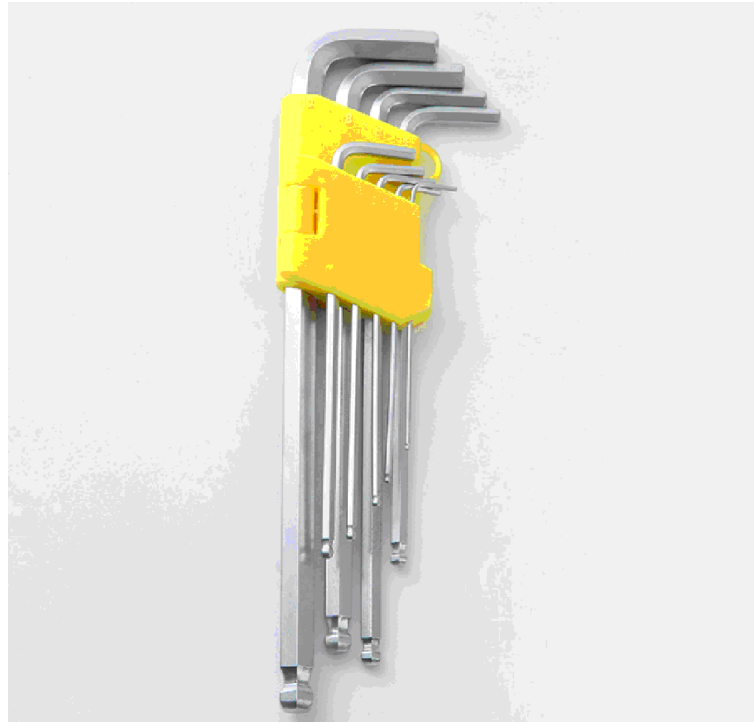
Item	Name	Image	Description
1	Tap		Common length measurement tool
2	Spirit level		Horizontal bubble, mainly used for the test of horizontal and vertically ; Installation of the debugging equipment.
3	Laser demarcation device		Three-line laser and one downward laser Forming horizontal, vertical, and plumb benchmarks intersecting in the x, y, and z directions
4	Square		Suitable for vertically inspection ; Line spacing 1mm
5	Waterproof film		Suitable for door and window openings to prevent rainwater from seeping in ;
6	Silicone sealant		Suitable for aluminum alloy frames and wall periphery interface sealing for waterproofing effect ;

4

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类： 共23页	

图纸版本序号 图类：

Door and Window Installation Tools List


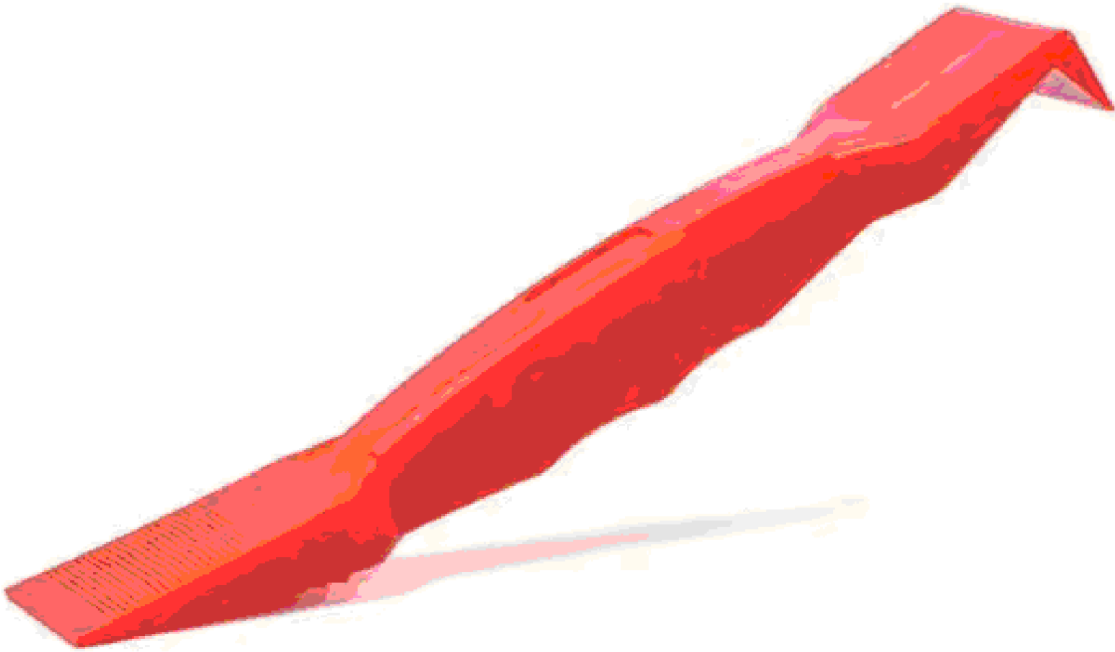


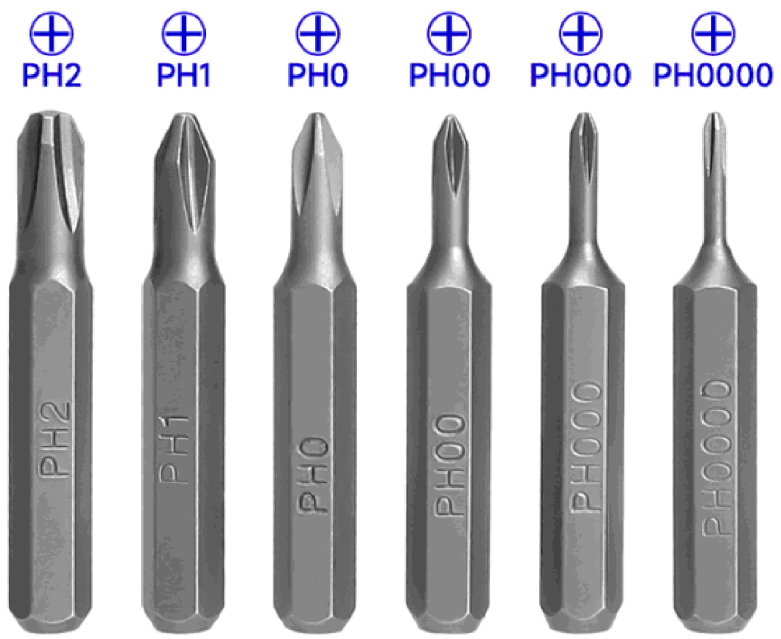

Item	Name	Image	Description
7	Flat Head Hexagon Socket Set		Common use specification : 1.5、2、2.5、3、4、5、6、 8、10、12、14、17、19、22、27 (mm)
8	Phillips Screwdriver		A tool used to twist screws into place; Shape: Cross (Phillips)
9	Flathead Screwdriver		A tool used to twist screws into place; Shape: Slotted (Flathead)
10	Utility Knife		Mainly used for cutting soft materials such as sealing strips, protective films, waterproof cloth, etc.
11	90-degree Rubber Strip Scissors		Special cutting tool for aluminum alloy door and window sealing strips.
12	Non-elastic Rubber Hammer		The hammerhead contains steel beads, which prevents rebound during striking and minimizes the risk of damaging the workpiece surface. Used for adjusting the installation of aluminum alloy doors and windows.

5

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	

图纸版本序号 图类:

Door and Window Installation Tools List

Item	Name	Image	Description
13	Silicone sealant gun		Sealant applicator tool for filling seams
14	Sealing strip scraper		Facilitates the installation of the glass sealing strip.
15	Sealing strip roller		When installing the glass sealing strip, use a roller to press the sealing strip.
16	Straight-shank drill bit		Hole processing tools; Composed of the working part and the shank.
17	Phillips screwdriver		Screwdriver bits; Can be used with manual screwdrivers, electric screwdrivers, and pneumatic screwdrivers
18	Electric drill		Handheld electric tool, used for drilling

6

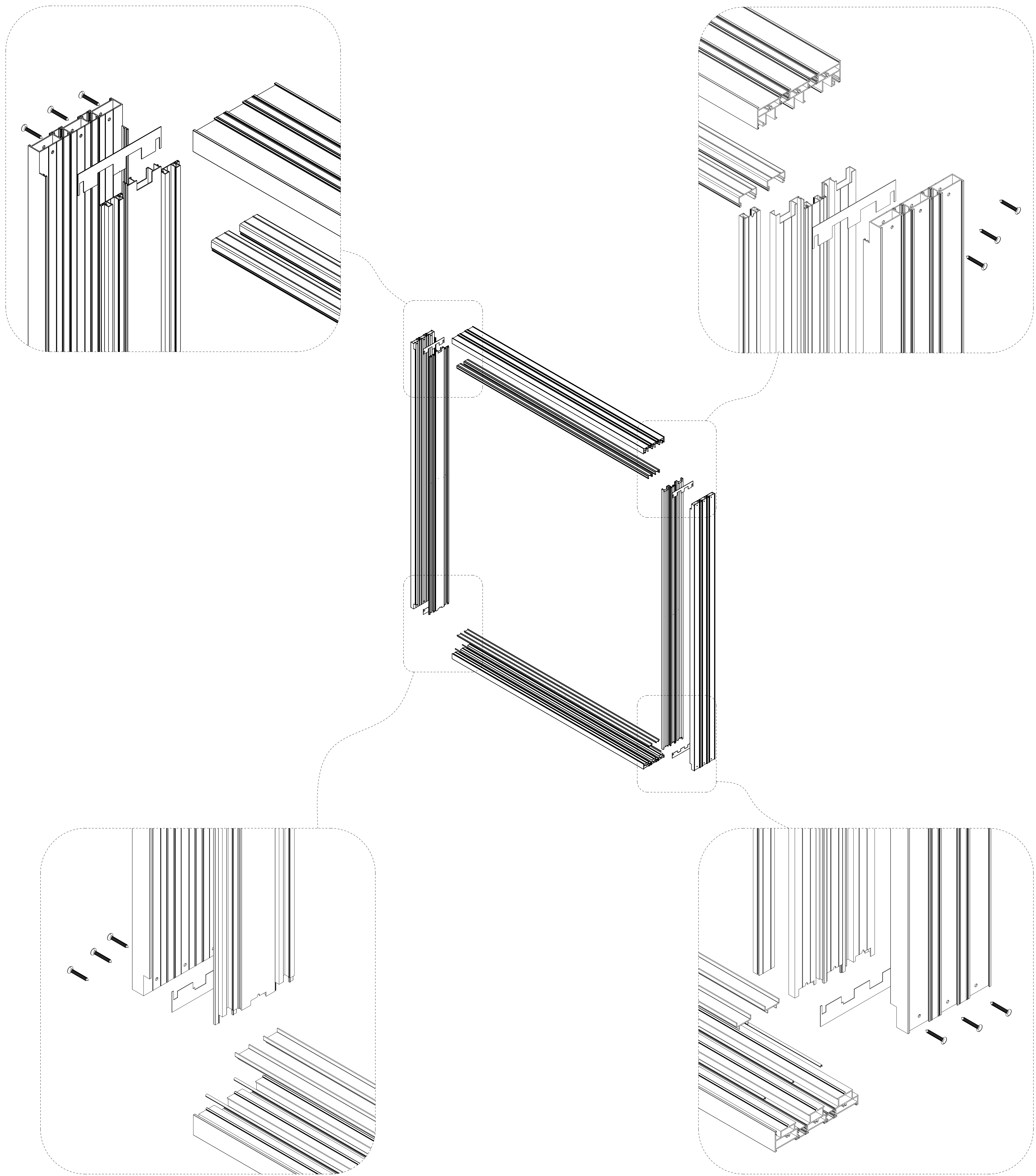
DERCHI 德技优品

绘图	梁志诚	2025.03.08	节点图
校对	-	2025.03.08	莱顿143系列推拉门
审核	-	2025.03.08	图类: 共23页

143 Series Sliding door Installation Drawings

图纸版本序号 图类:

Frame Corner Joint Connection



绘图	梁志诚	2025.03.08	节点图
校对	-	2025.03.08	143推拉门安装图纸
审核	-	2025.03.08	图类： 共23页

Installing the sliding door frame into the opening-Step 1



Steel Tape Measure(as shown)

1) Use a steel tape measure to check the dimensions of the wall openings. Verify whether all door and window openings match the specified frame dimensions and meet installation requirements.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	

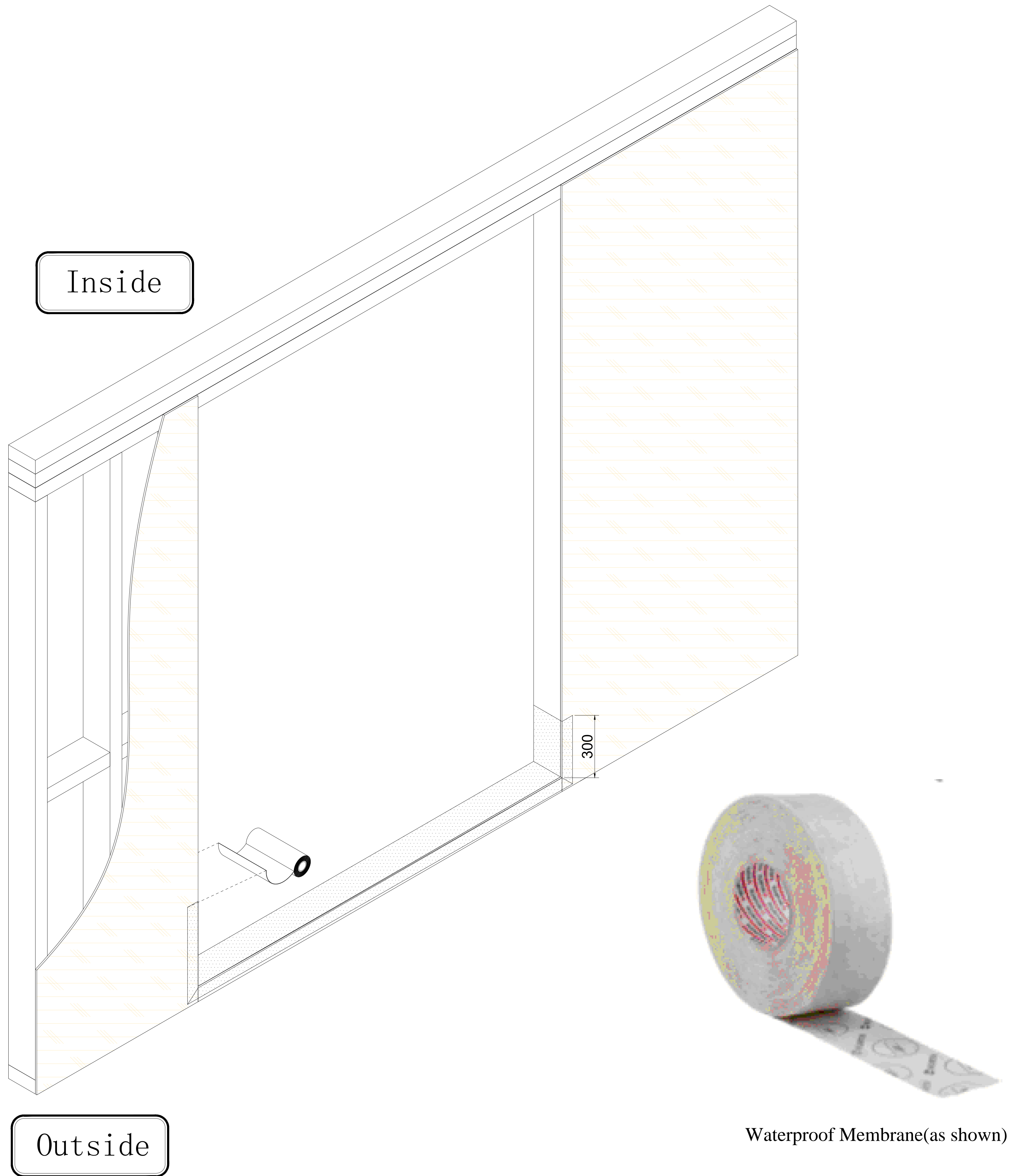
Installing the sliding door frame into the opening-Step 2



2) Clean any leftover concrete, dust, and debris from the door and window openings.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	
					图纸版本序号 <input type="text"/> 图类: <input type="text"/>

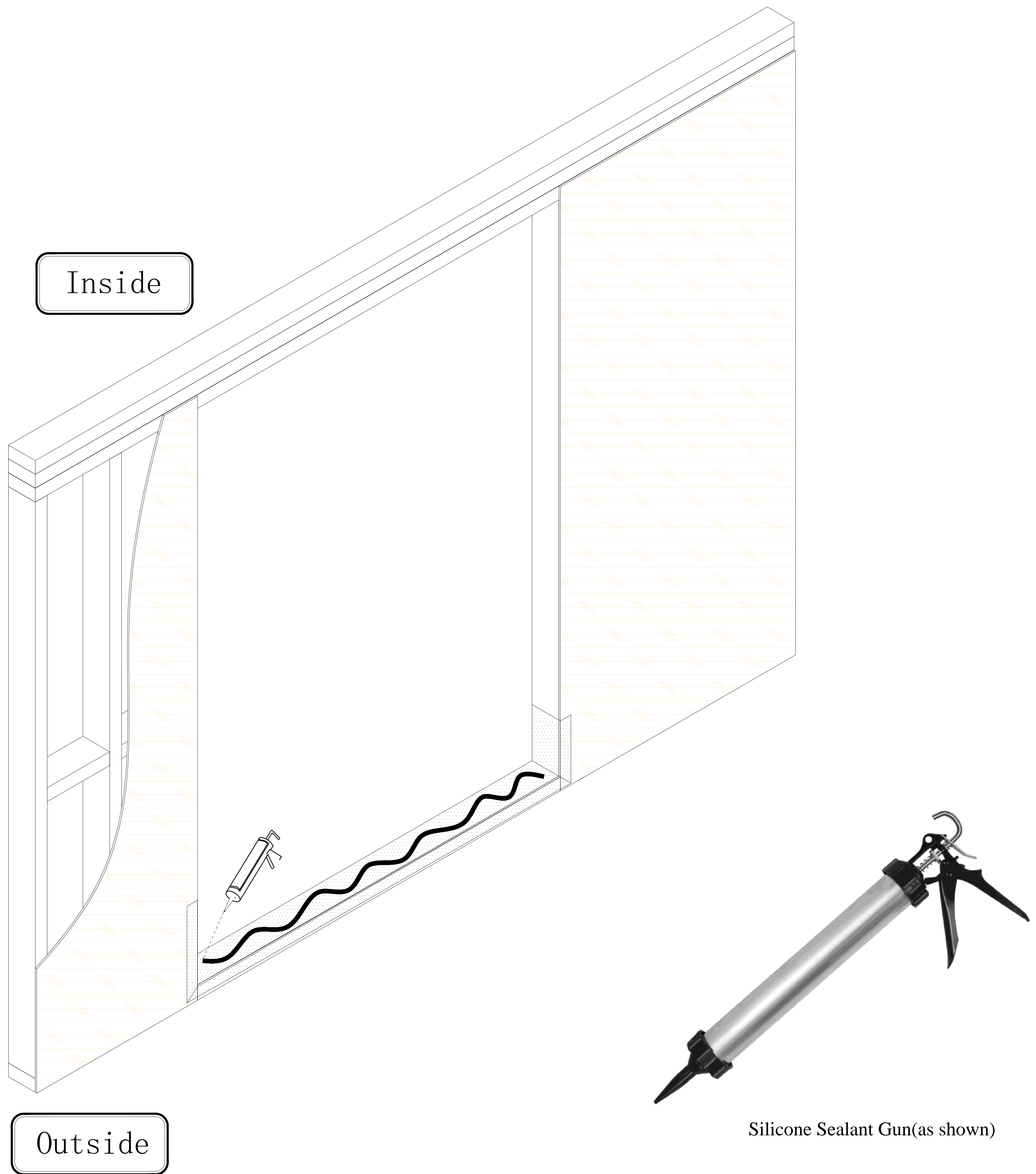
Installing the sliding door frame into the opening-Step 3



3)Apply waterproof membrane to the lower part of the opening.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图		143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门		
	审核	-	2025.03.08	图类:	共23页	

Installing the sliding door frame into the opening-Step 4

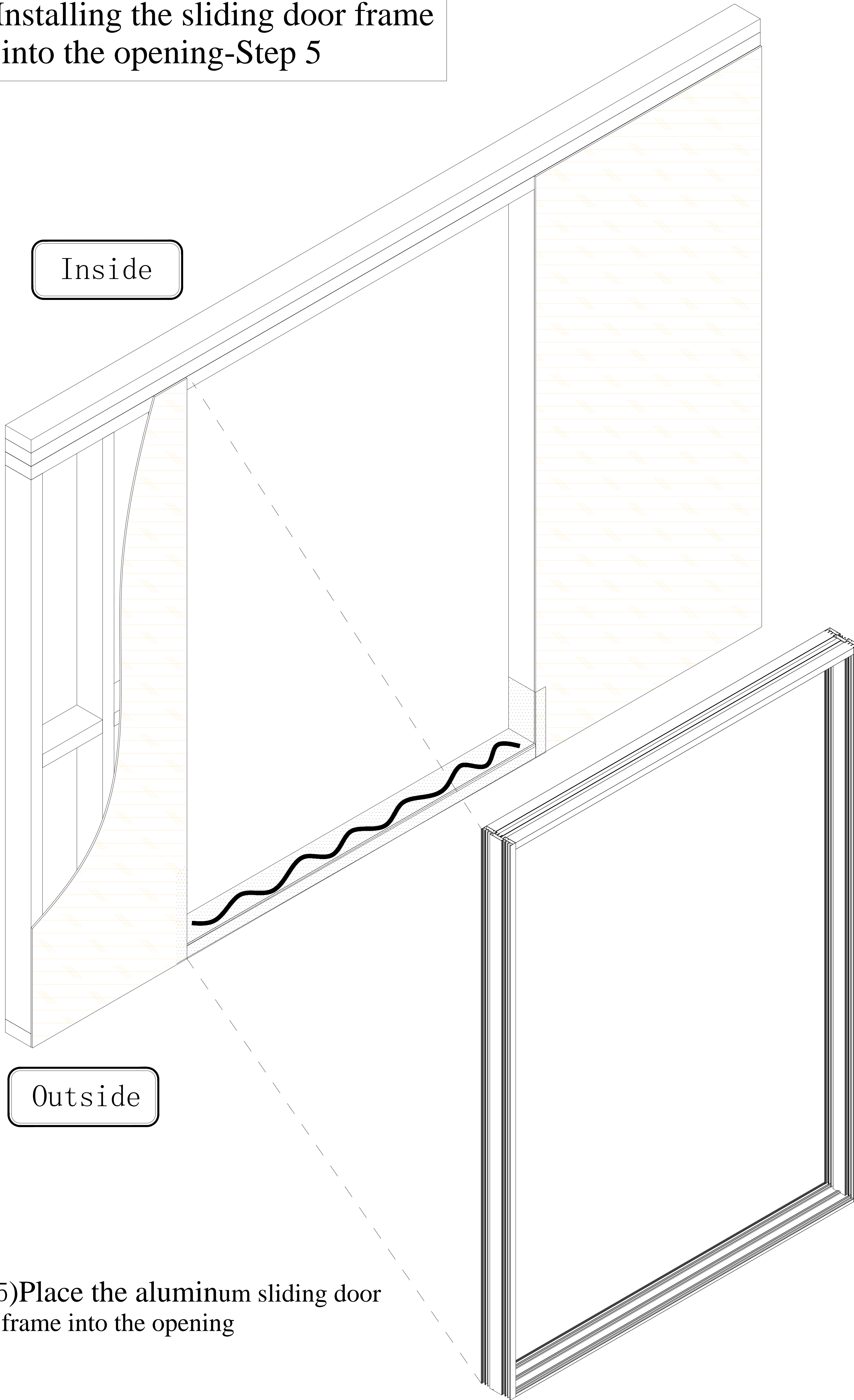


Silicone Sealant Gun(as shown)

4) Pre-apply silicone sealant on the surface of the waterproof membrane.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	
					图纸版本序号 图类:

Installing the sliding door frame into the opening-Step 5

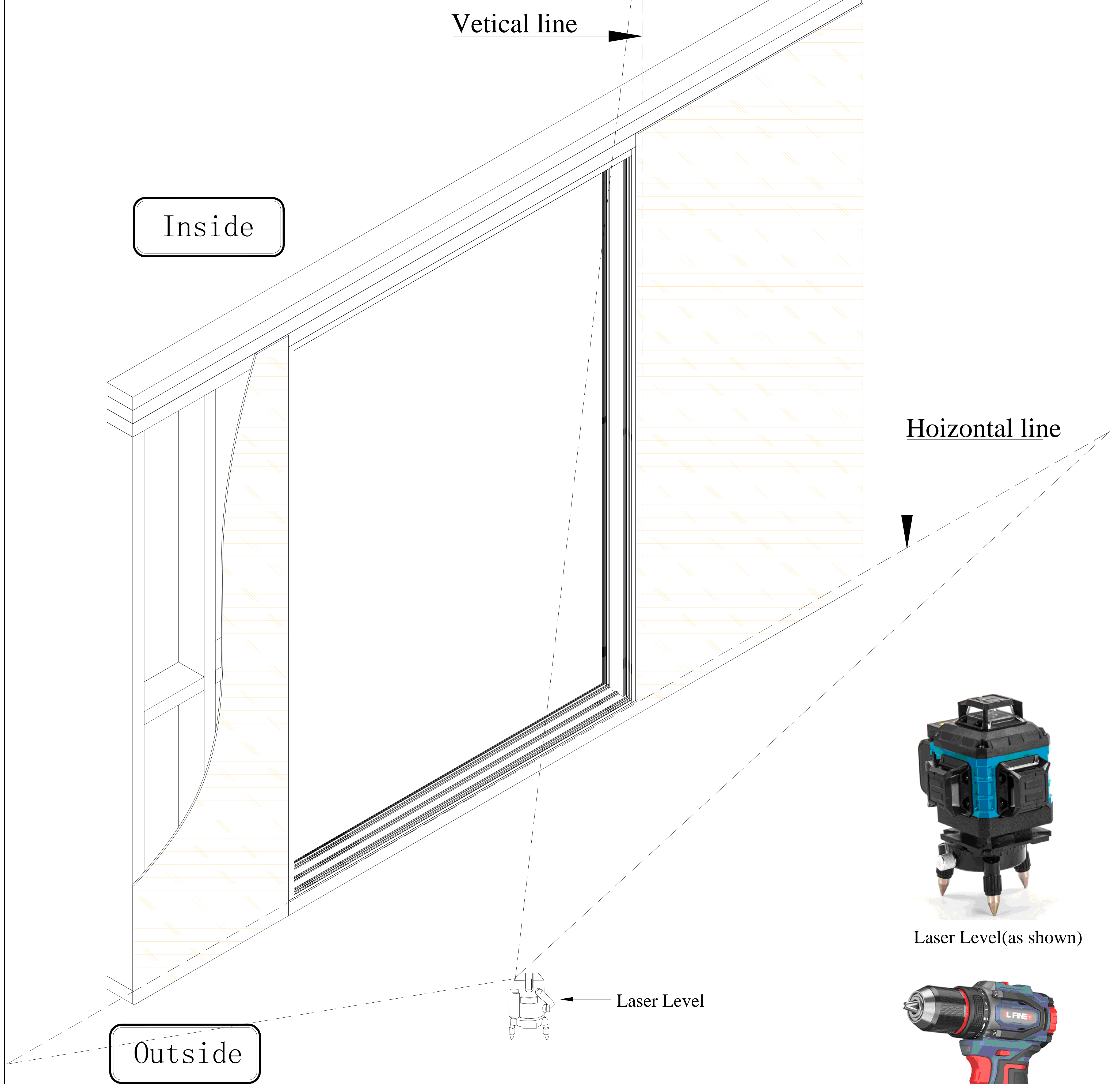


Inside

Outside

5) Place the aluminum sliding door frame into the opening

Installing the sliding door frame into the opening-Step 6

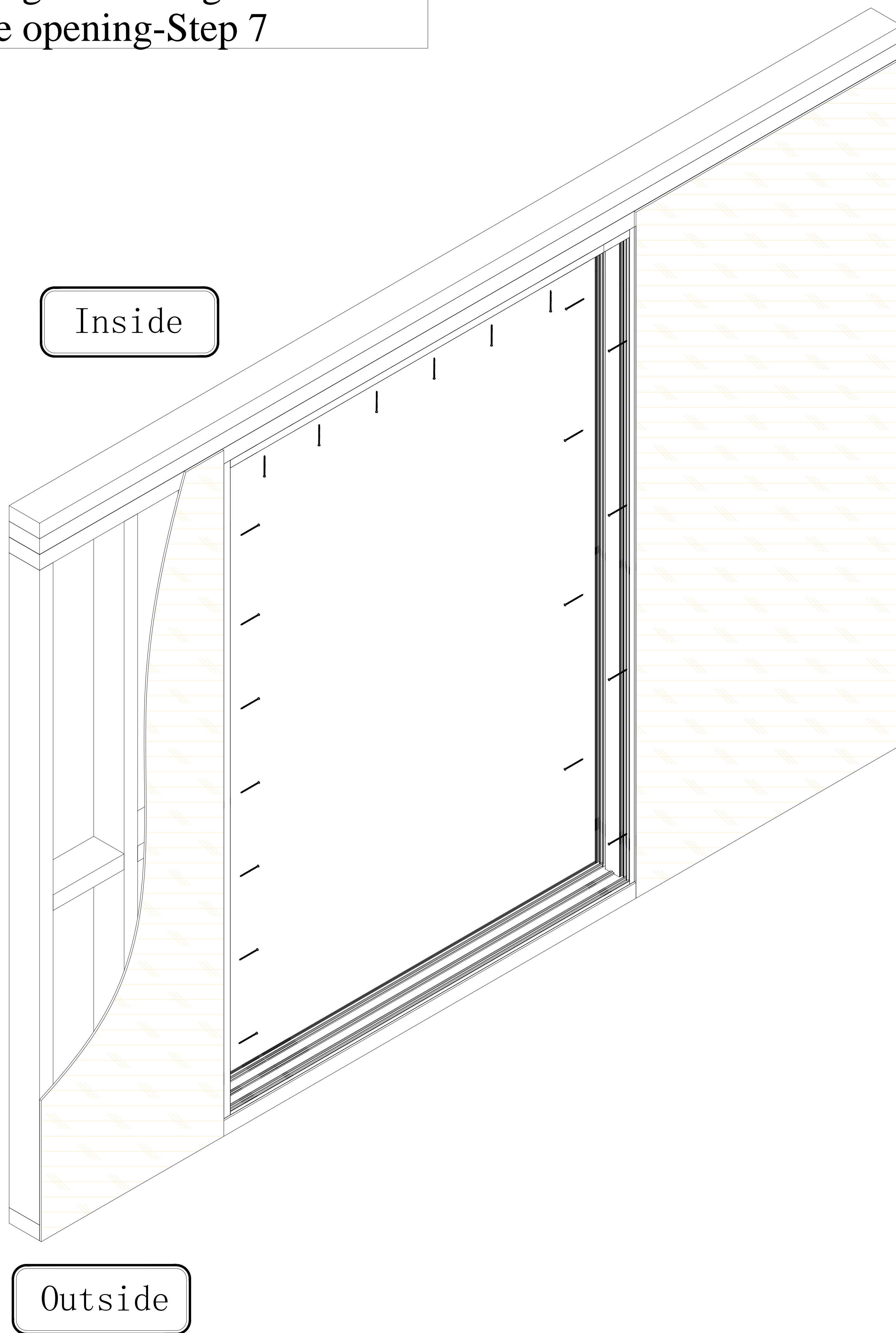


6) Use a laser level to adjust the frame ' s horizontal and vertical alignment, then fix the sliding door outer frame in place.



DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	
					图纸版本序号 图类:

Installing the sliding door frame into the opening-Step 7



7)Drill and screw to secure the door frame.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	
					图纸版本序号 <input type="text"/> 图类: <input type="text"/>

Installing the sliding door frame into the opening-Step 8

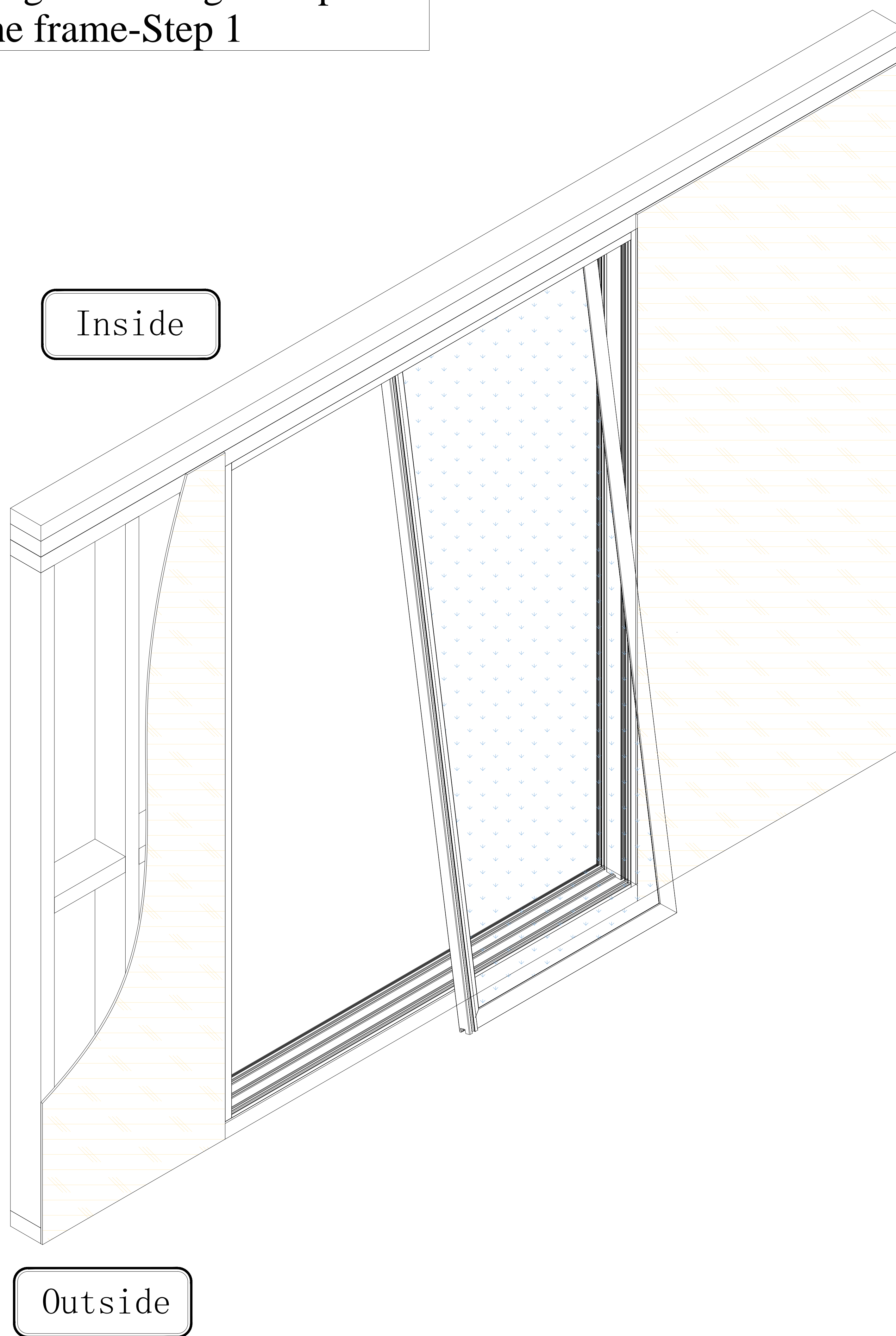


Waterproof Membrane(as shown)

8)Apply waterproof membrane around the perimeter of the door frame.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图		143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门		
	审核	-	2025.03.08	图类:	共23页	
						图纸版本序号 <input type="text"/> 图类: <input type="text"/>

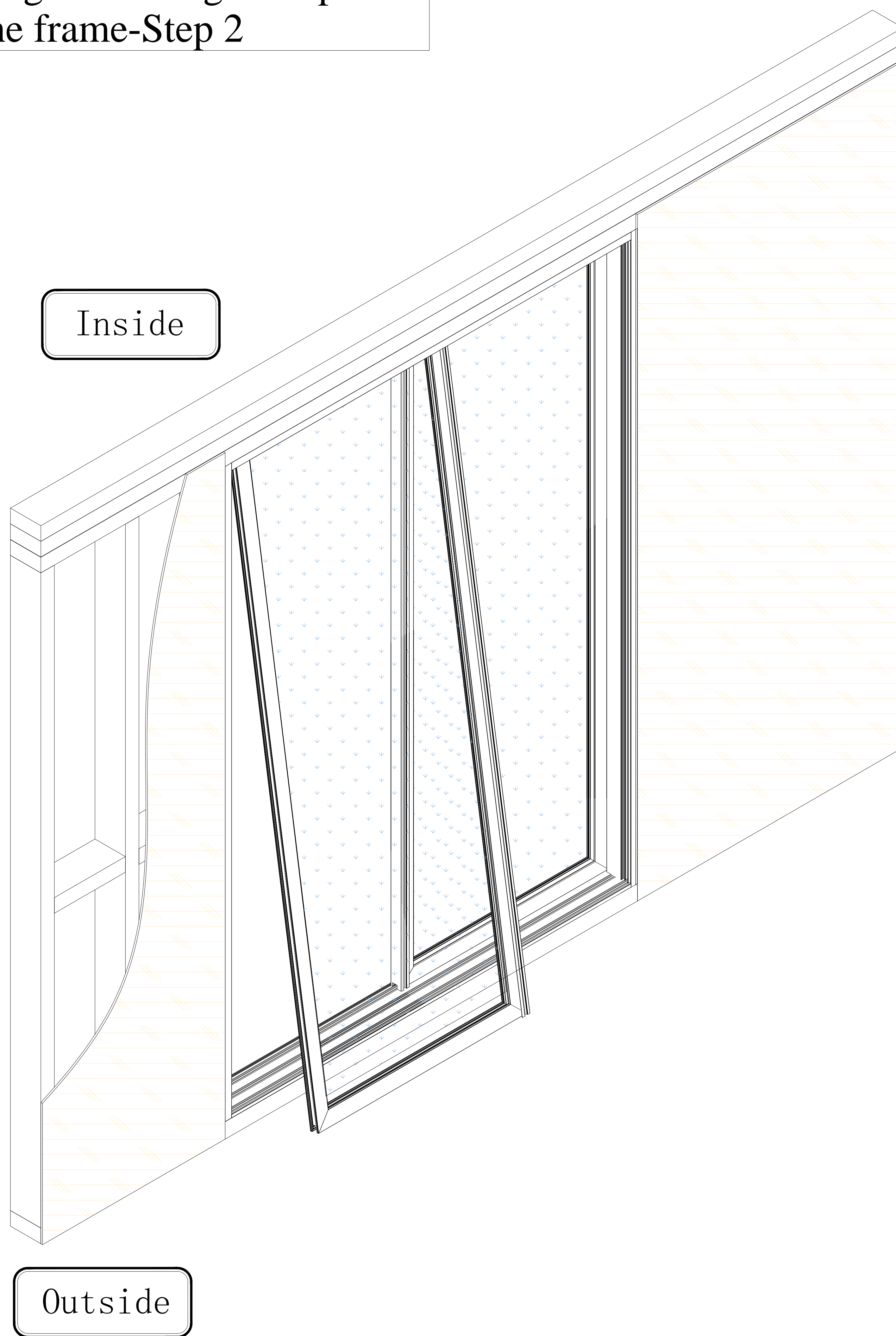
Installing the sliding door panel into the frame-Step 1



9)After fixing the frame to the wall, first insert the top panel into the upper track, then lift the bottom of the panel to fit it into the lower track.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	

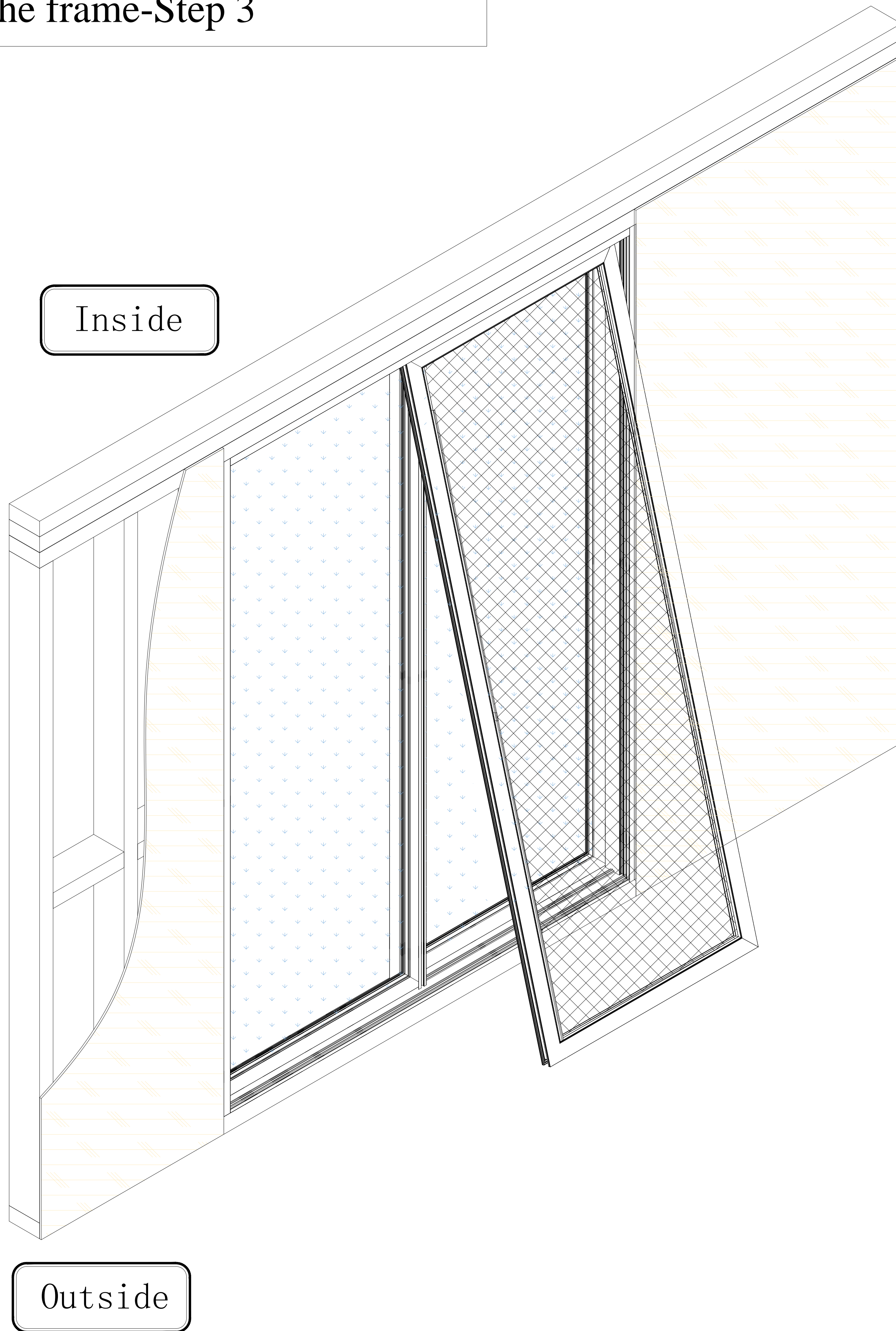
Installing the sliding door panel into the frame-Step 2



10) Install the second panel into the tracks using the same method.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	

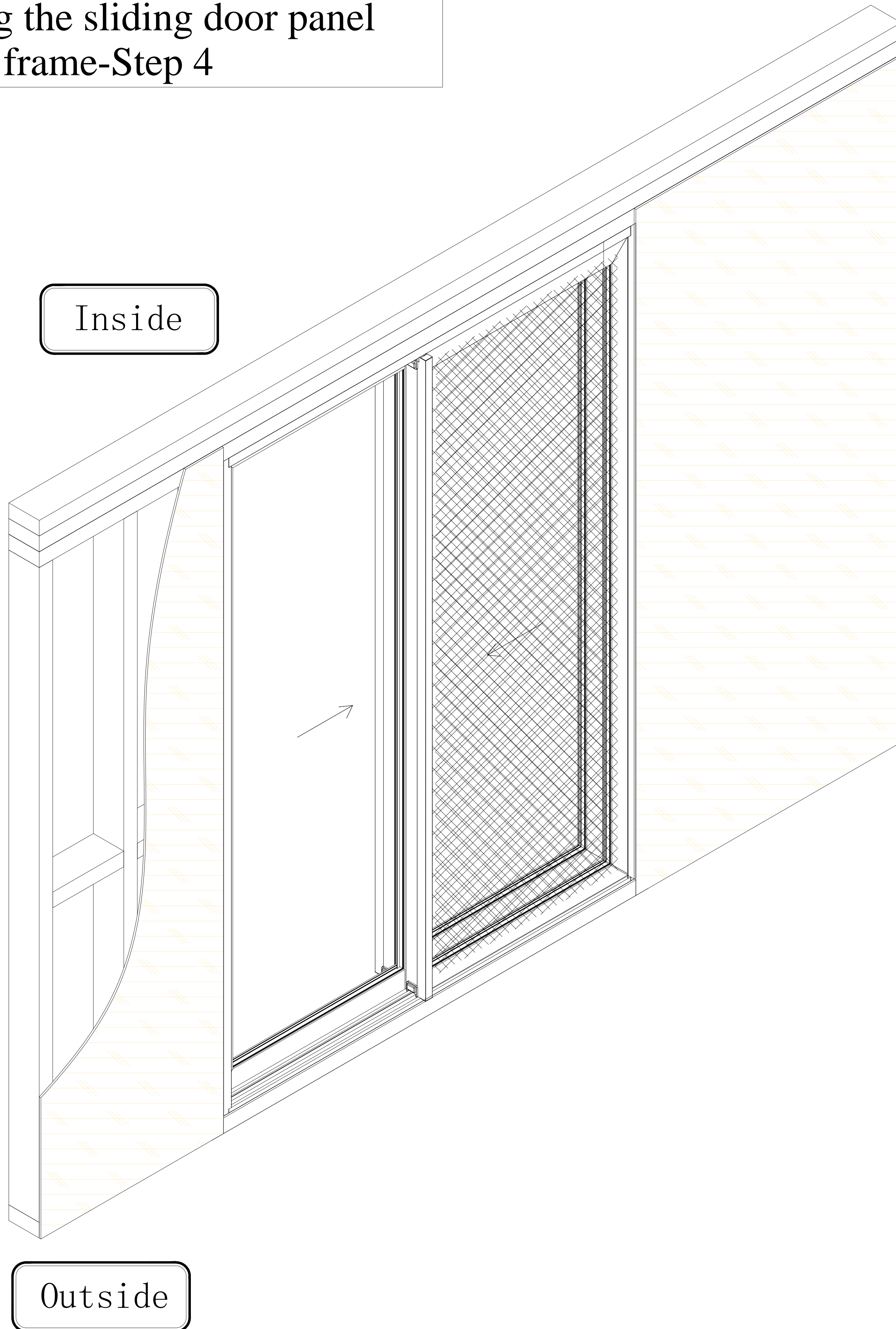
Installing the sliding door panel into the frame-Step 3



11)After installing the third panel into the tracks, adjust the hardware to ensure smooth sliding operation.

DERCHI 德技优品	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	

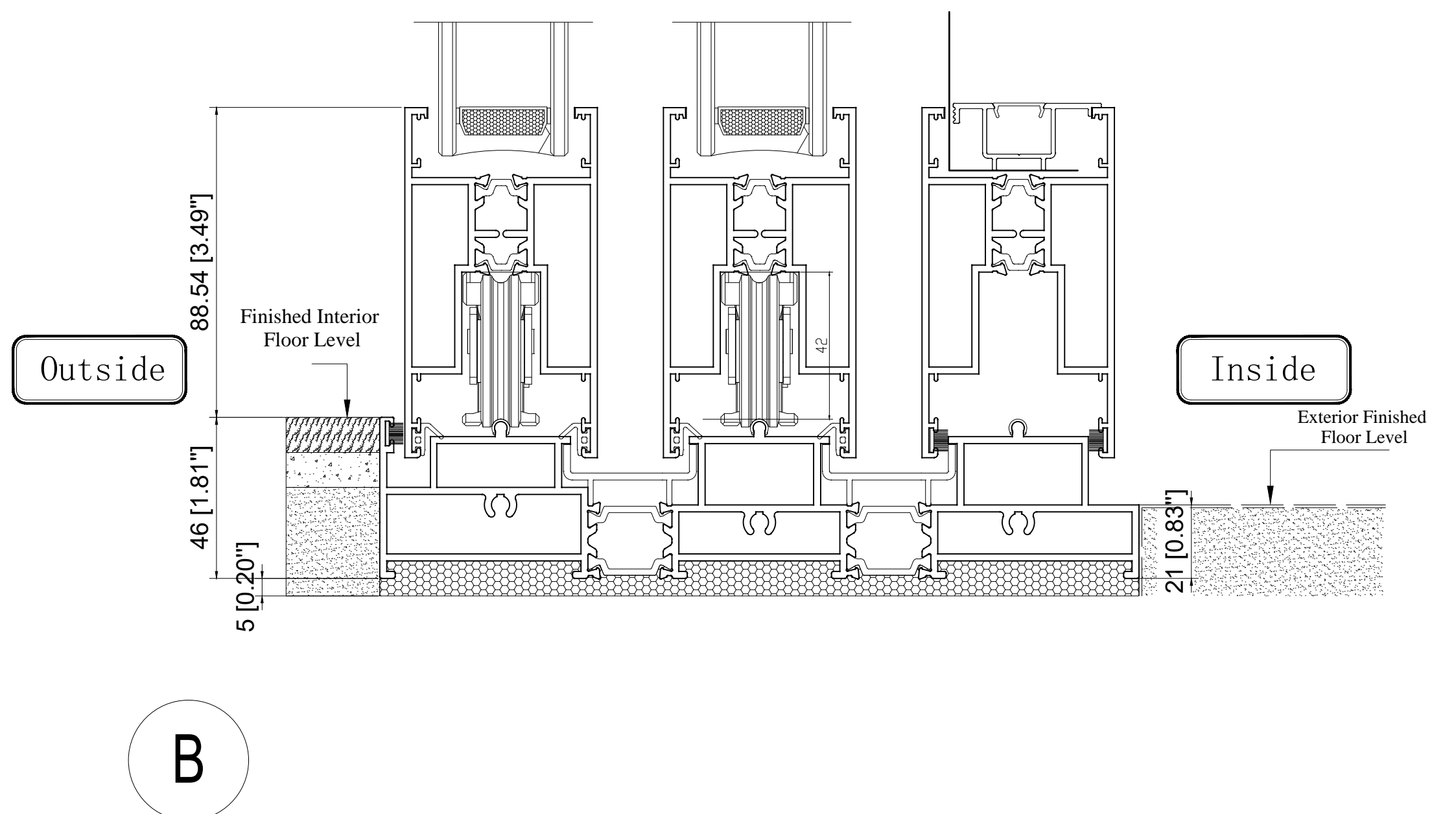
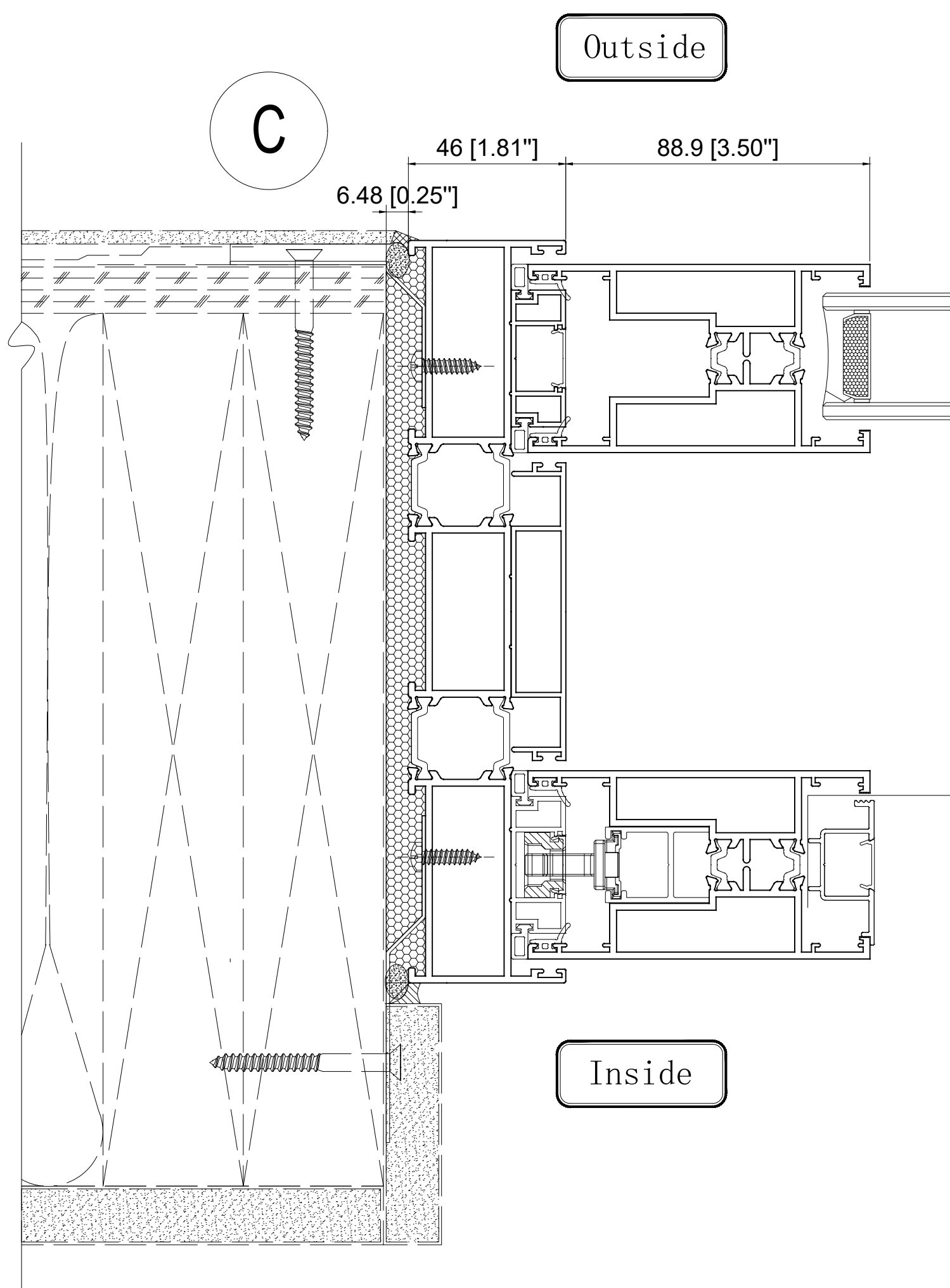
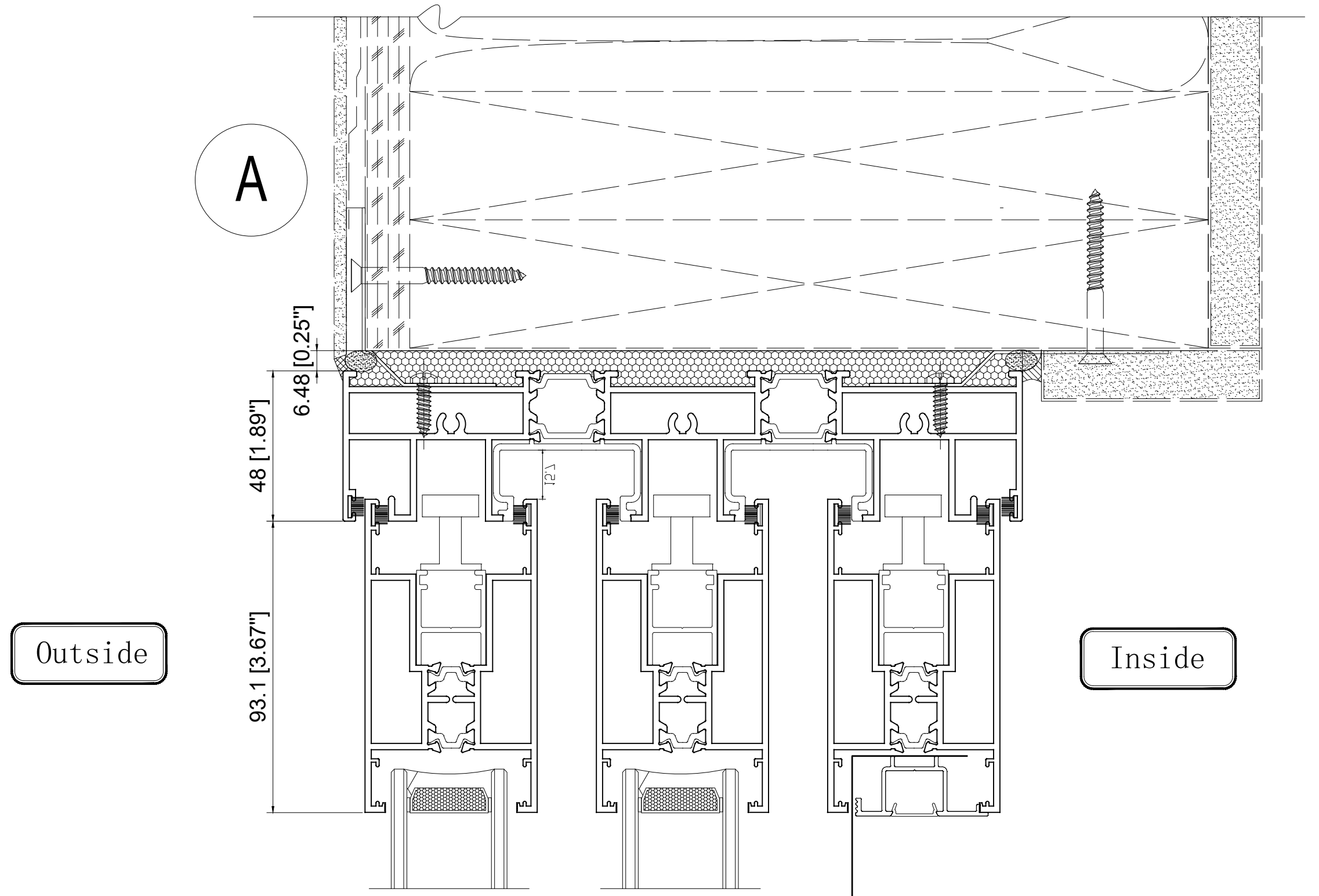
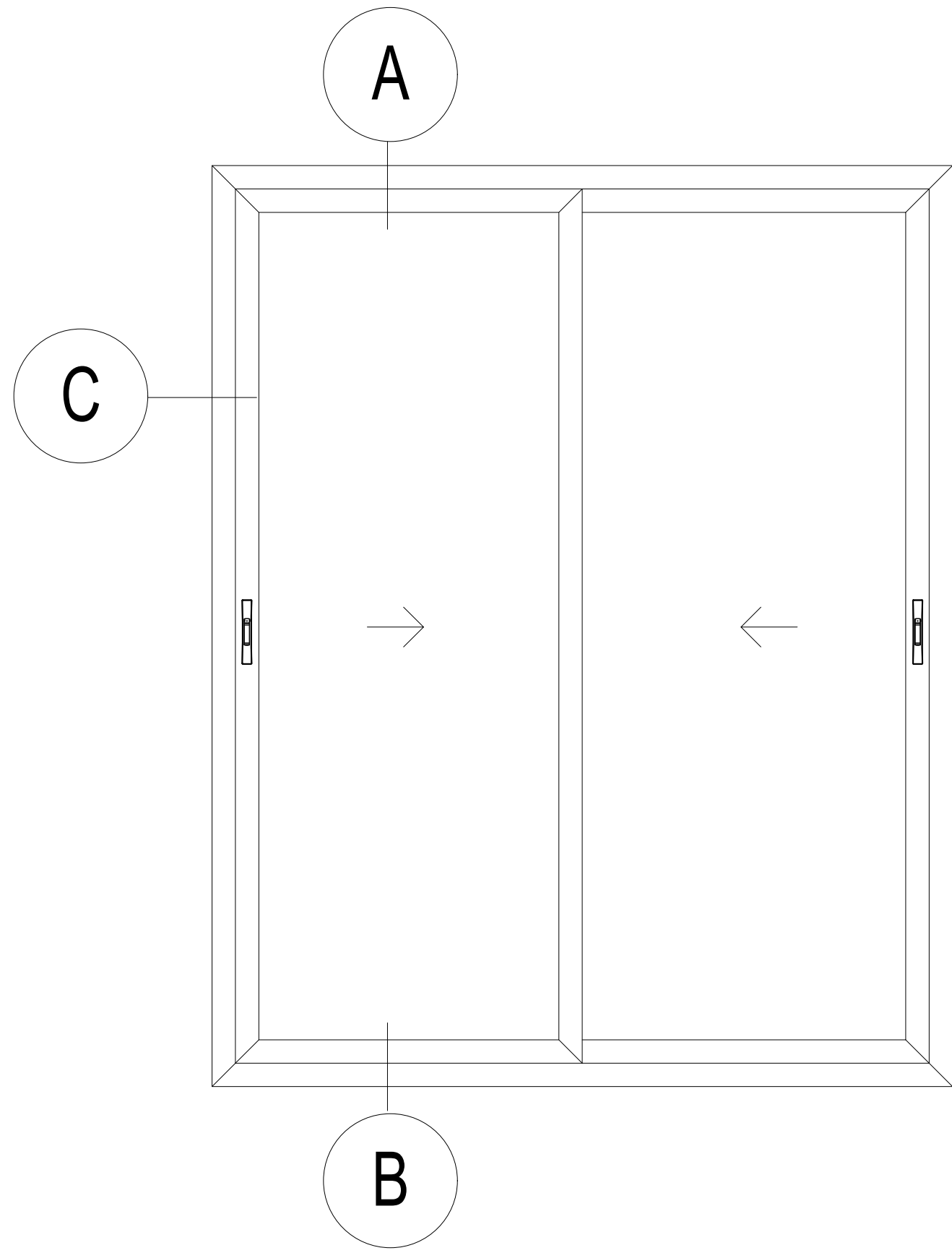
Installing the sliding door panel into the frame-Step 4



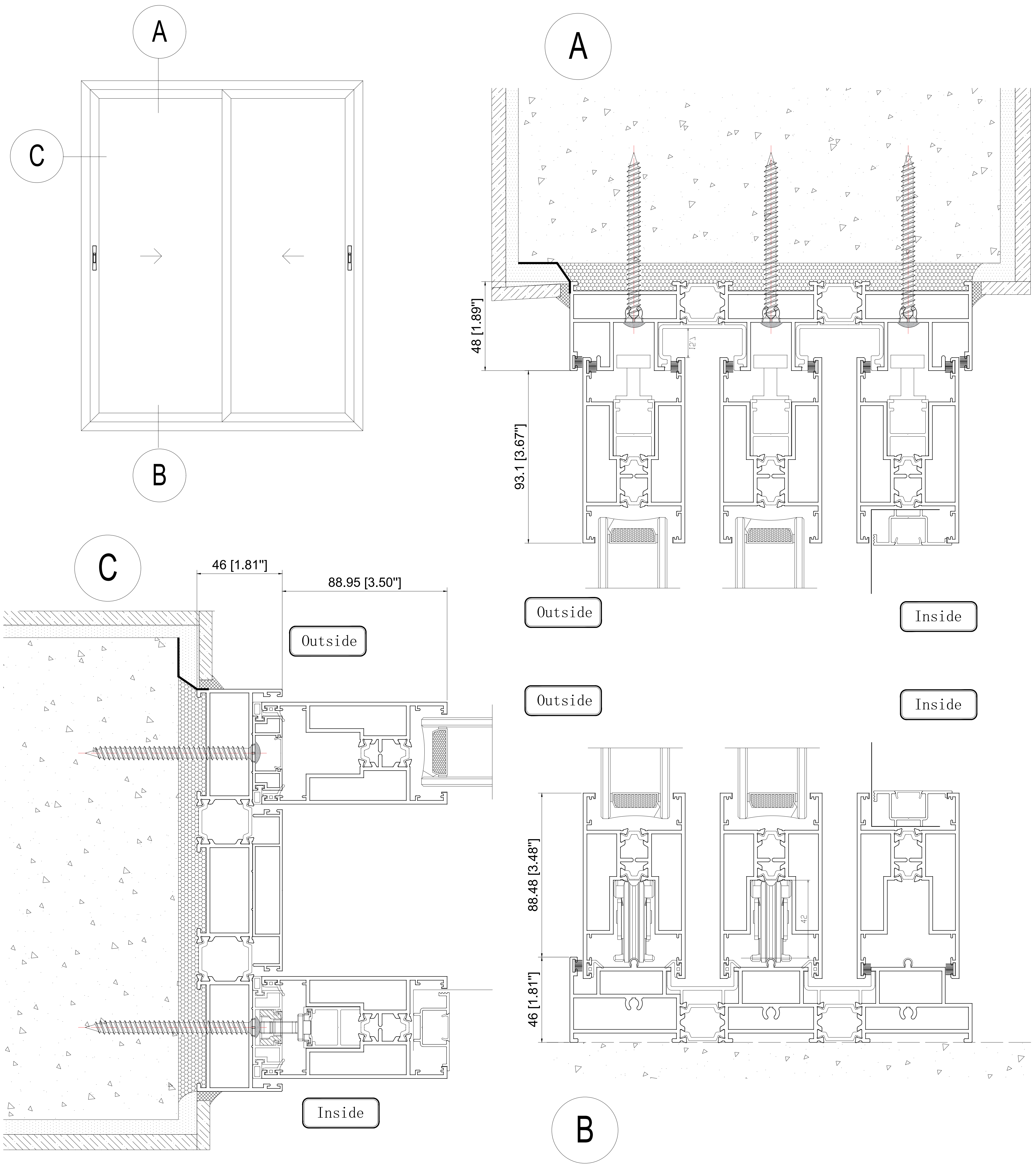
12) Installation of the sliding door panels is complete.

	绘图	梁志诚	2025.03.08	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.03.08	莱顿143系列推拉门	
	审核	-	2025.03.08	图类: 共23页	
				图纸版本序号	图类:

Use metal brackets for installation
(Section drawing)

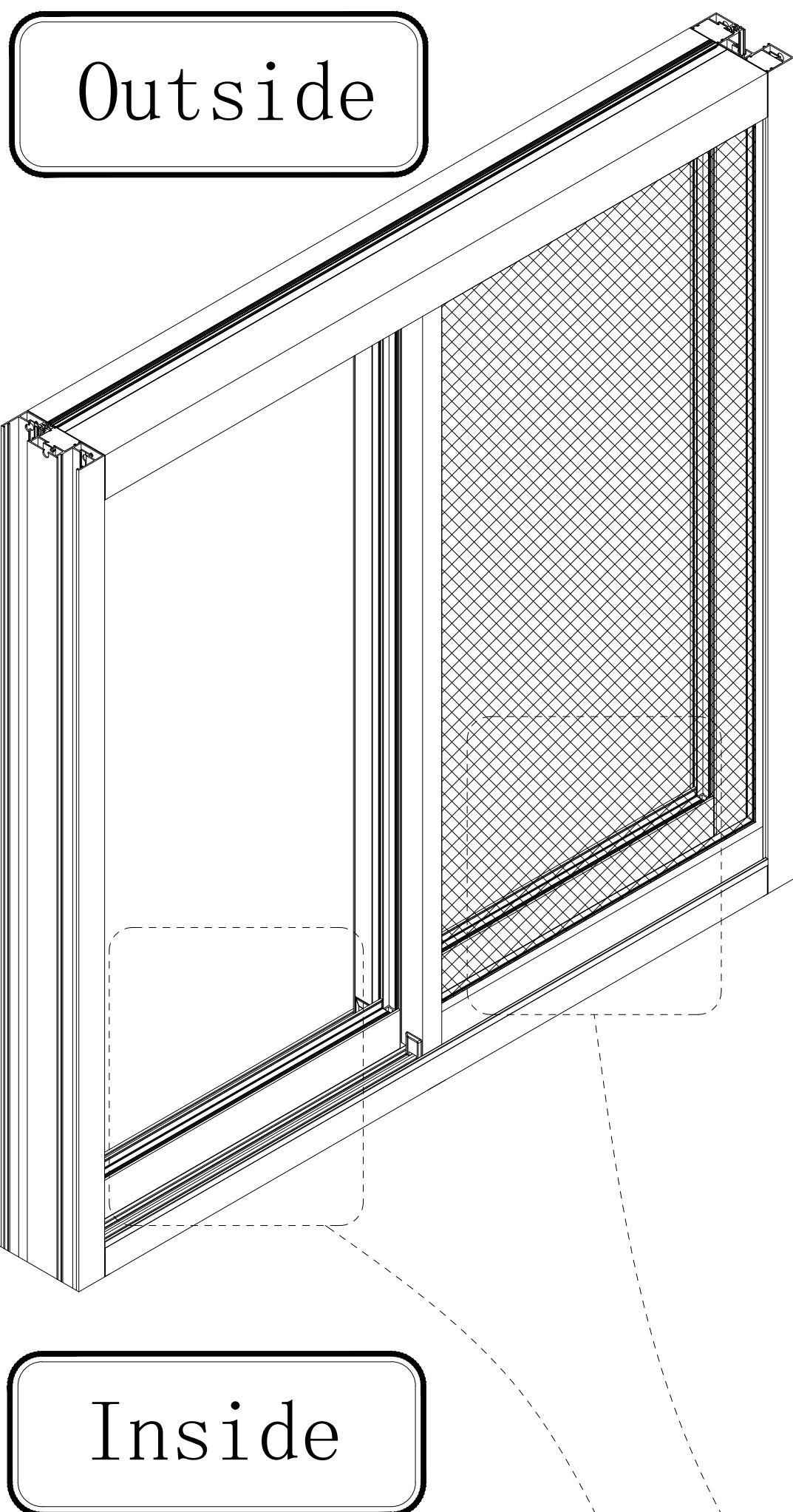


Use Screws for installation
(Section drawing)

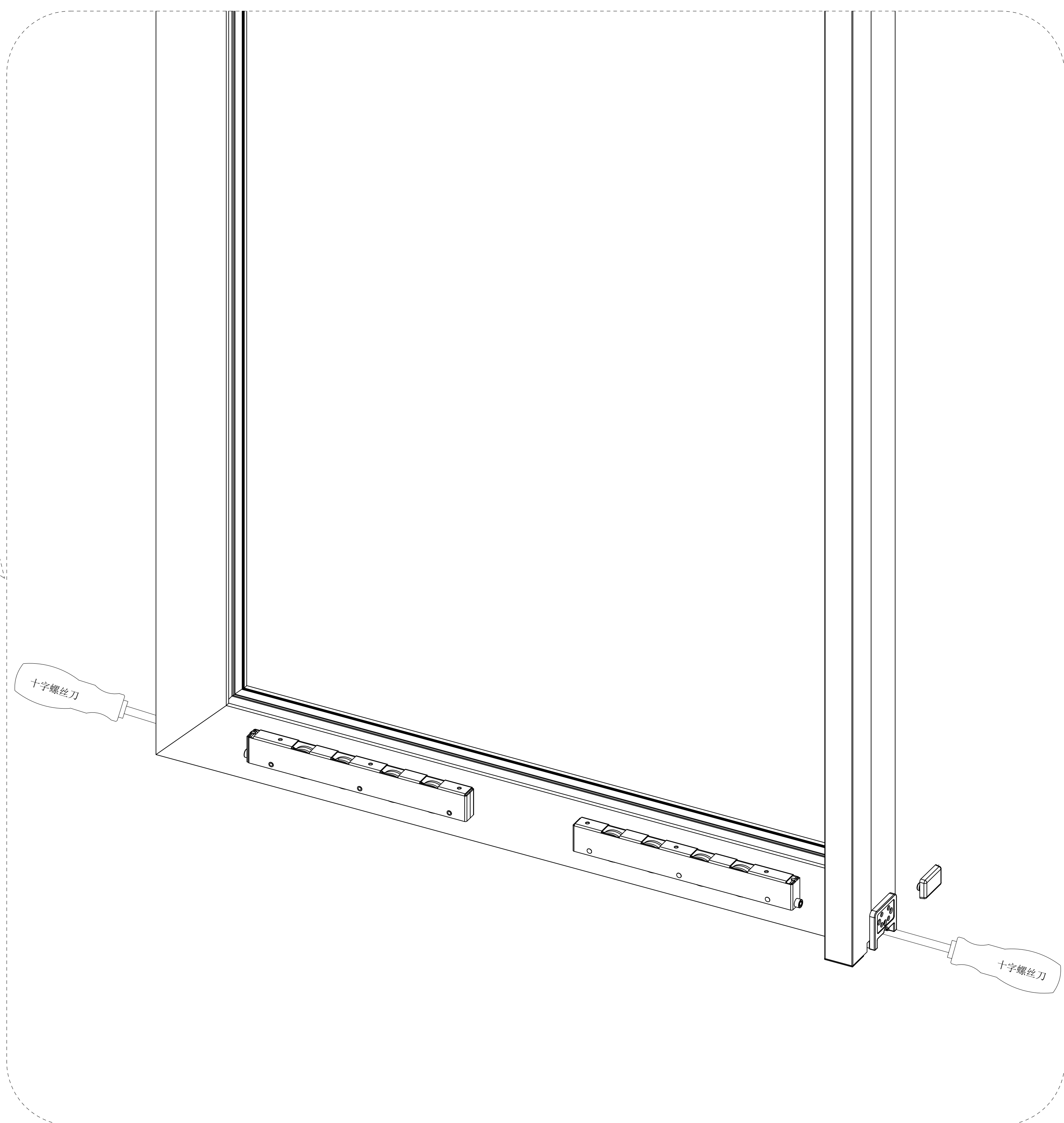


DERCHI 德技优品	绘图	梁志诚	2025.01.18	节点图	143 Series Sliding door Installation Drawings
	校对	-	2025.01.18	莱顿143系列推拉门	
	审核	-	2025.01.18	图类: 共23页	
					图纸版本序号 图类:

Lower Roller Adjustment

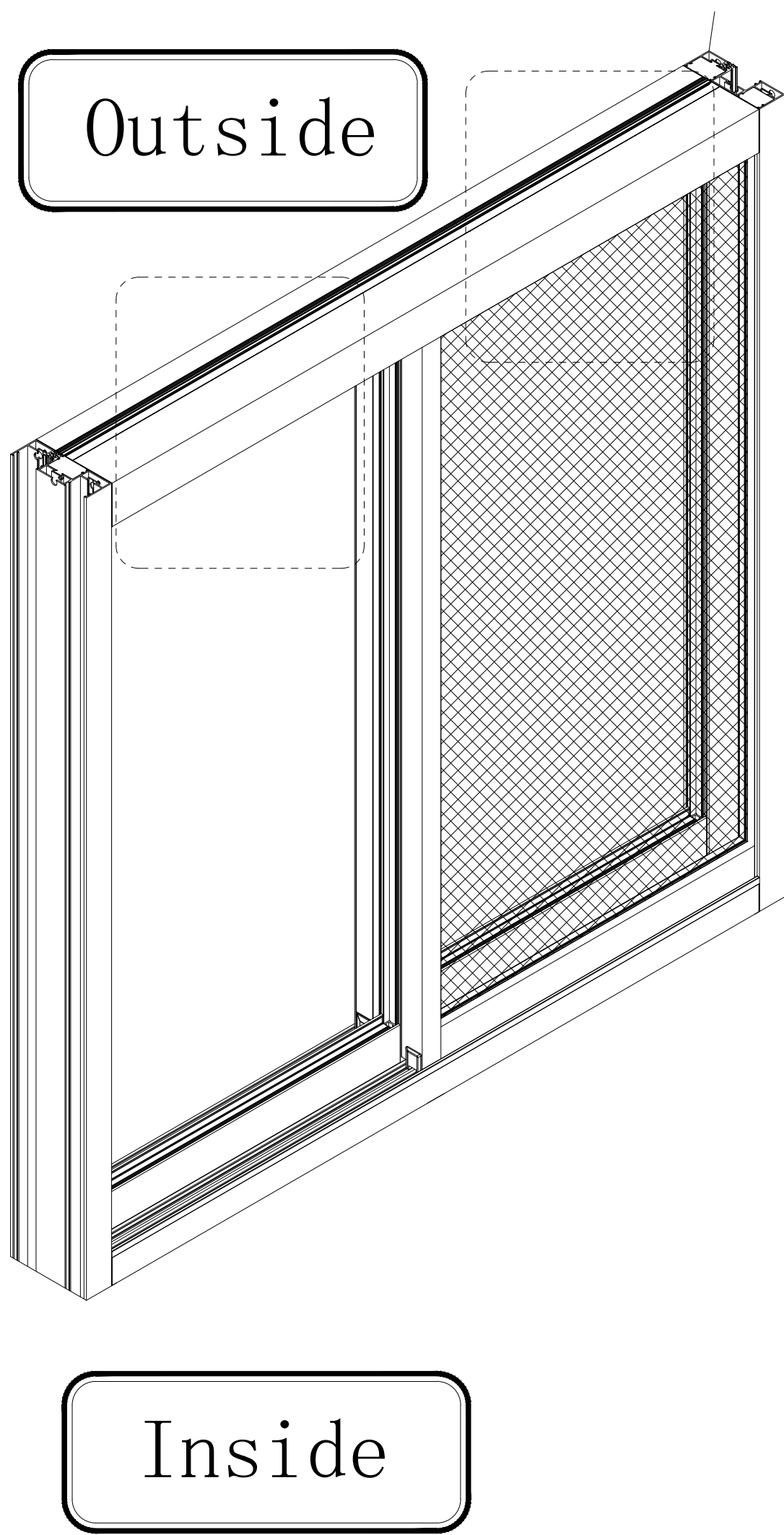


01 Use a Phillips screwdriver to adjust the lower roller, ensuring the panel stays at the proper height.

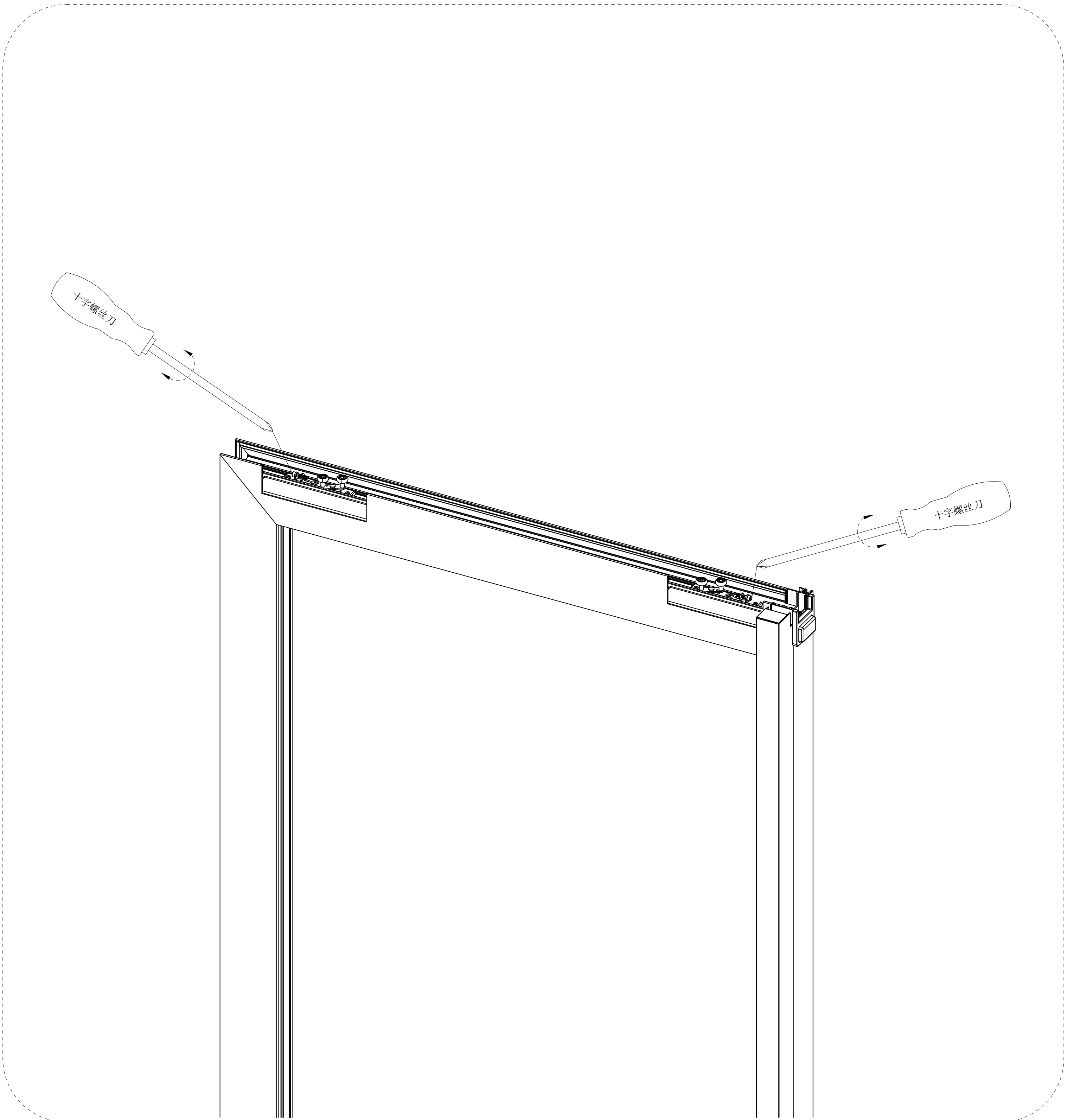


DERCHI 德技优品	绘图	梁志诚	2025.01.18	节点图		143 Series Sliding door Installation Drawings
	校对	-	2025.01.18	莱顿143系列推拉门		
	审核	-	2025.01.18	图类:	共23页	
						图纸版本序号 <input type="text"/> 图类: <input type="text"/>

Upper Anti-Swing Roller Adjustment



01 Use a Phillips screwdriver to adjust the upper anti-swing roller, so the panel slides with the right amount of tension.



DERCHI 德技优品	绘图	梁志诚	2025.01.18	节点图		143 Series Sliding door Installation Drawings
	校对	-	2025.01.18	莱顿143系列推拉门		
	审核	-	2025.01.18	图类:	共23页	
						图纸版本序号 <input type="text"/> 图类: <input type="text"/>