Operation Manual

Suitable for garage glass doors

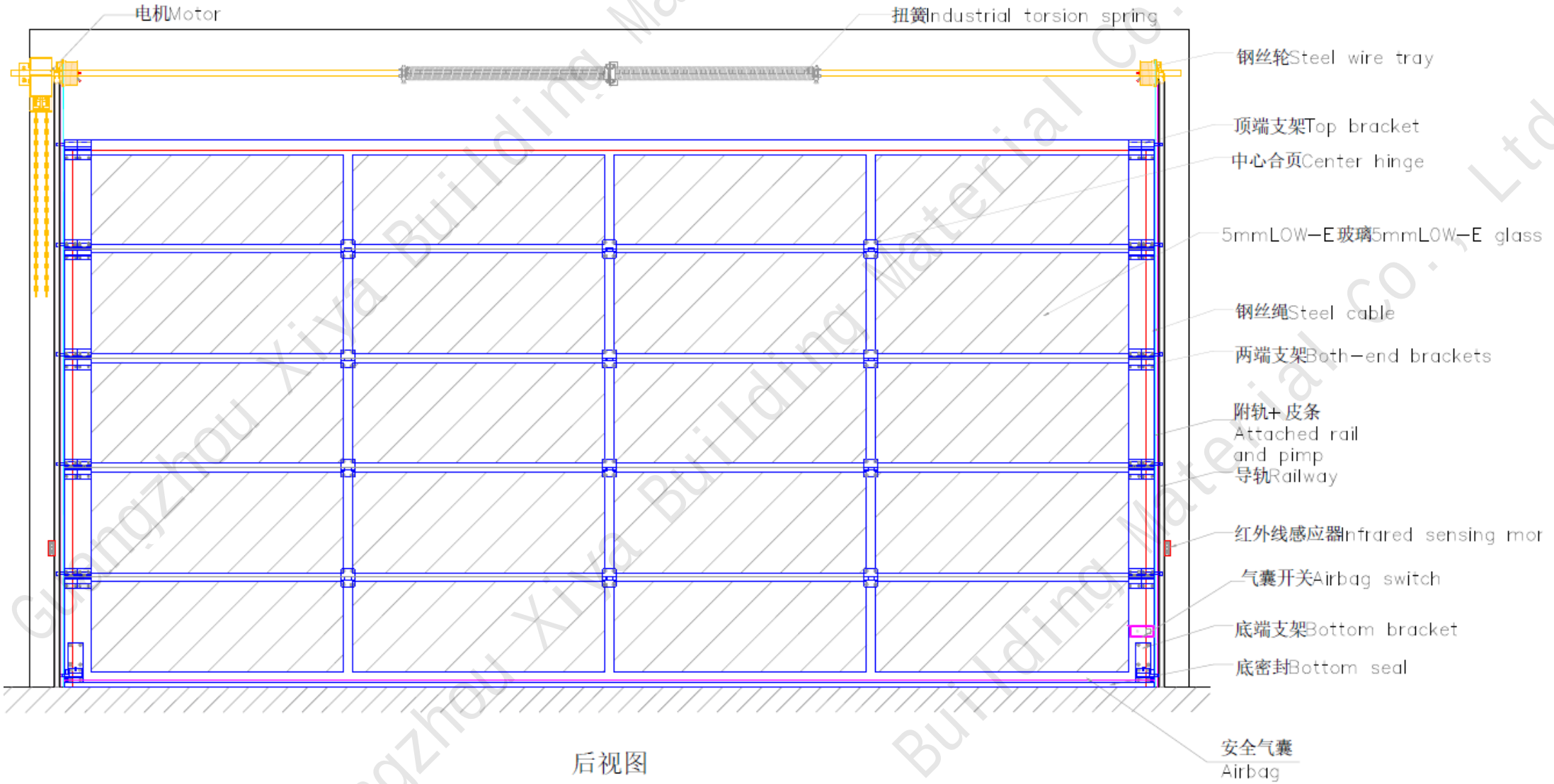
Pay Attention to：

- Wear a safety helmet during installation.
- Wear safety gloves in most operations.
- For heavy parts or sub-assemblies, two people are required for safety reasons.
- Handle glass panels carefully.

Required Tools:

- electric hand drill
- Hex nut wrench.
- ladder
- Metal hammer
- cutting machine
- Portable electric screwdriver
- rule

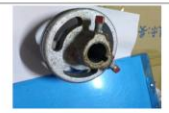
Plot



后视图

Back View

Part List

Part nume	Image	Part nume	Image	Part nume	Image	Part nume	Image
Bottom bracket		rail to bracket connector		Metal wire		Shaft	
anti-pinch hand centor hinge		shaft bracket- side		**Metal wire clamp**		Spring	
Inner hinge		**shaft bracket-center**		Roller		Fixed Flange	
Top bracket		Flag like bracket		Straight rail		Adjustable Flange	
Pull screw		**L bracket**		horizontal rail		**Big wire wheel**	
Torsion spring fixed screw, M8*40		Multi-hole angel iron Bracket		roll booster		Semi-tower wheel	
Screw for fixing rail		rail bracket+ gasket		**Lock**		Wire wheel	
panel bracket screw		Roof tube		Motor		Tower wheel	
Hinge screw M4×15				airbag switch		Shaft connector	
Self tap screw				Beam sensor		Torsion spring	
Anchor bolt M8*70				motor rail			

Installation Steps

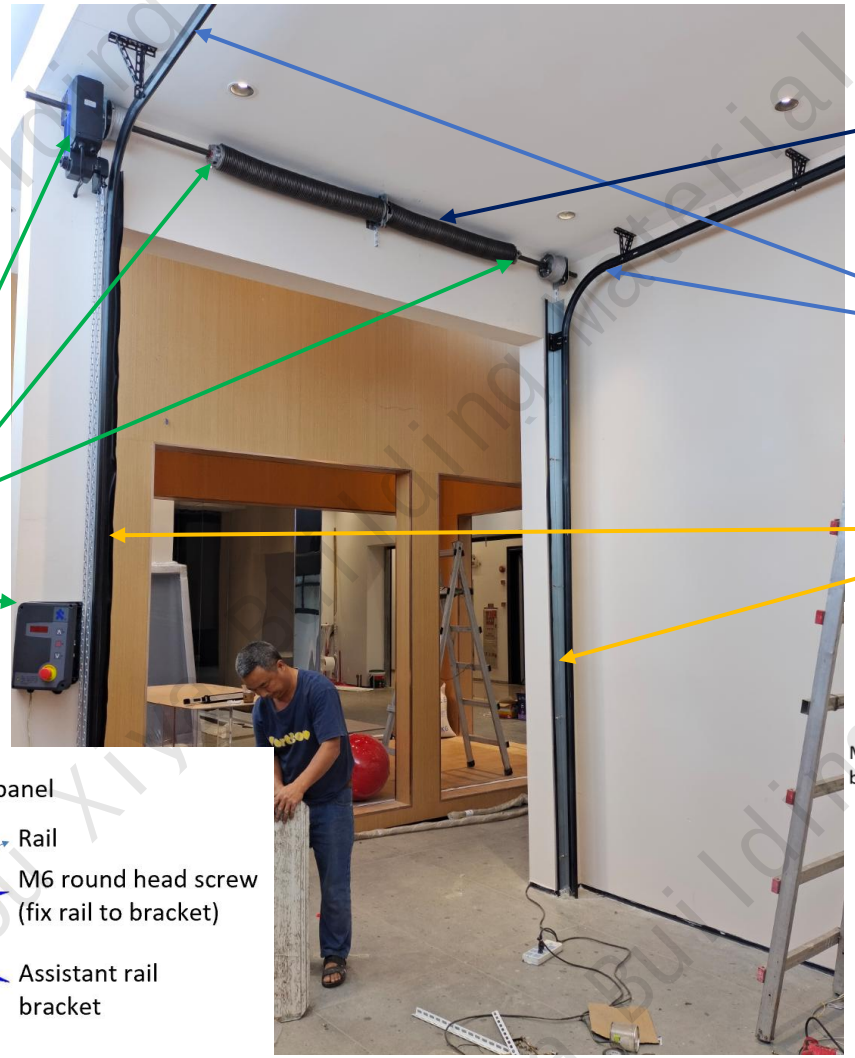
Step 4-Install the panel

Step 5-Install the metal wire on the base plate,and install the wire wheel on the shaft.

Step 6-Install motor to shaft

Step 7-Adjust the torsion spring

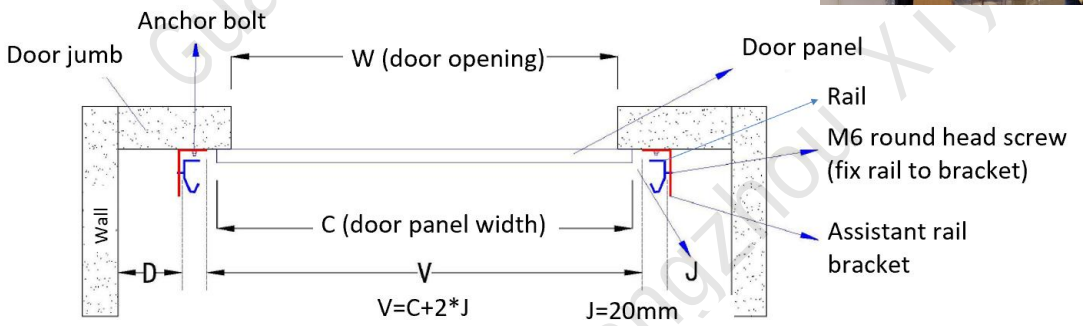
Step 8-Install the wall controller

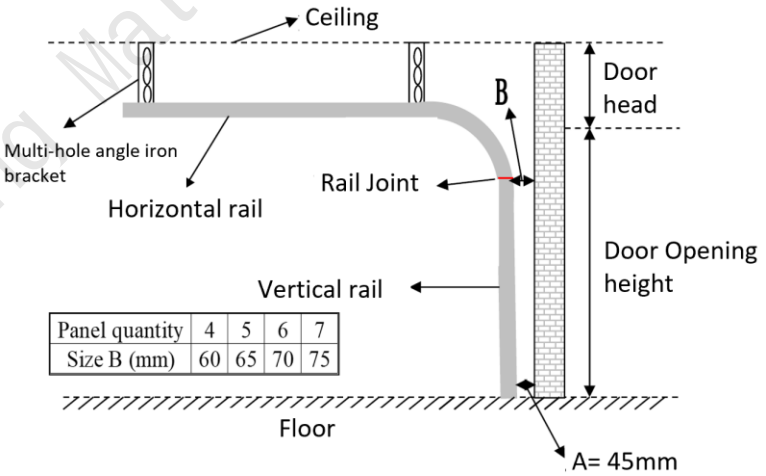


Step 3-Install the torsion spring shaft assembly

Step 1-Install the horizontal guide rail

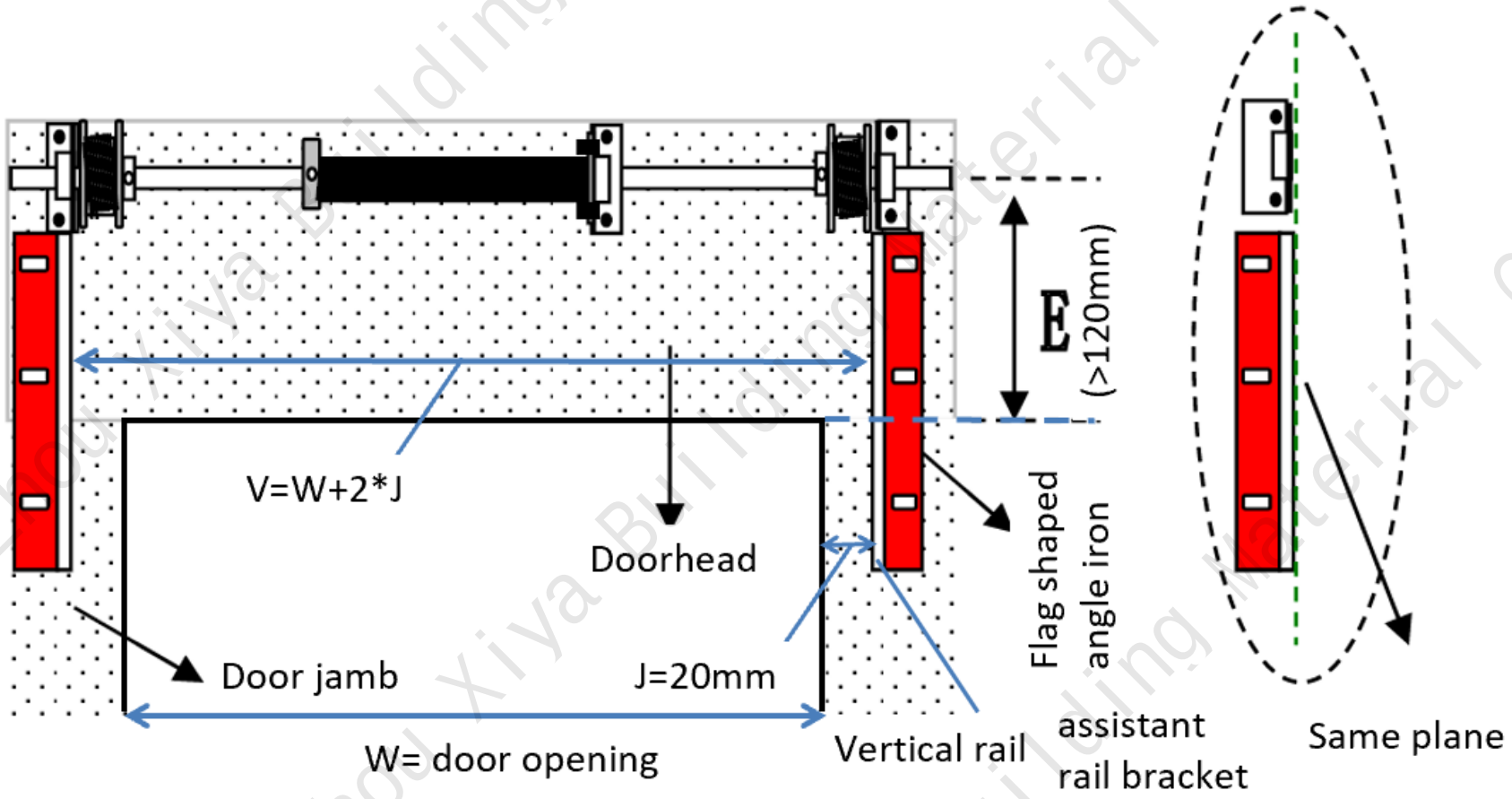
Step 2-Install vertical guide rails





Panel quantity	4	5	6	7
Size B (mm)	60	65	70	75

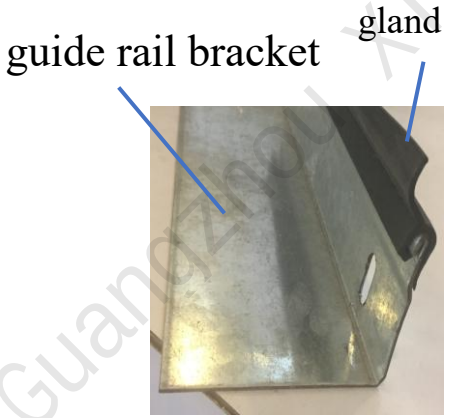
Complete Installation Steps-
Continued



Step 1.1-Install the Vertical Guide Rail Auxiliary Bracket To the wall.

Required parts:

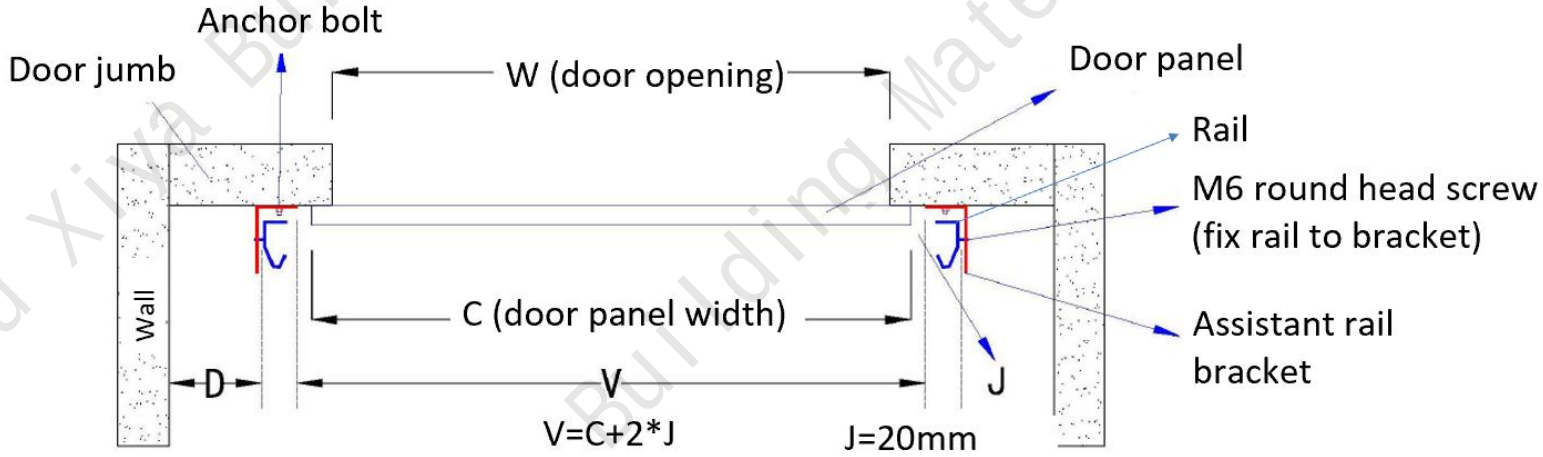
1. Supporting bracket
2. anchor bolt
3. pad



Anchor bolt M8*70	

Detailed steps:

1. Measure size C and calculate size V
2. Move the drawing position line to the wall to draw the vertical track bracket.
3. Install the track bracket to the wall and paint the drilling position to fix the anchor bolt.
4. Drilling holes in the wall.
5. The anchor bolt is inserted into the hole.
6. The gasket is assembled to the guide rail bracket.
7. The vertical track bracket is fixed to the wall with anchor bolt.



Step 1.2-Install the porous iron bracket to Ceiling

Required parts:

1. porous angle iron bracket
2. anchor bolt
3. horizontal track
4. Nut assembly for fixed bracket

Multiaperture Angle bracket	
Anchor bolt M8*70	

Detailed steps:

1. Apply the position line to the ceiling according to the size V specified in Step 1.1, for the perforated angle iron bracket.
2. Install the perforated angle iron bracket at the marking position and mark the drilling location on the ceiling with paint.
3. Drilling holes in the ceiling.
4. The anchor bolt is inserted into the hole.
5. Install the perforated angle bracket on the ceiling. Note: There should be at least two perforated brackets on each side.

Closer to the start of the curve

Closer to the end of the straight line

Step 1.3-Install the horizontal track to the vertical track

Auxiliary Stand。

Required parts:

1. orbit and bracket connector
2. self tapping screw
3. horizontal track
4. Nut assembly for fixed bracket

Self tapping screw	

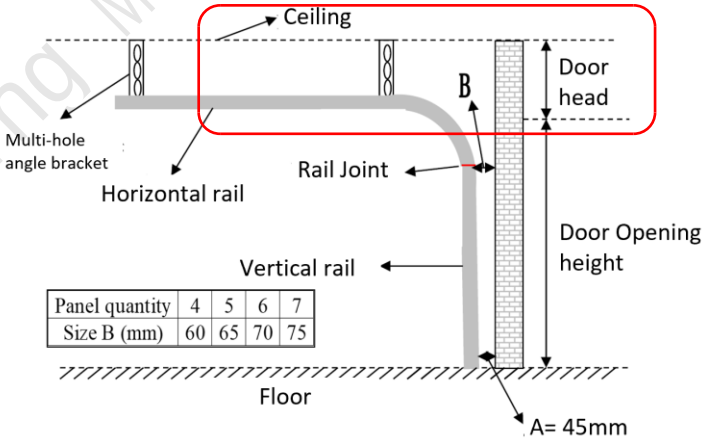
Track and support Frame connector	

Horizontal track	

Detailed steps:

1. Use a green infrared level to illuminate the left and right vertical auxiliary supports and draw the horizontal line.
2. First determine the L side position of the rail and bracket connector, and then fix the connector on the auxiliary vertical bracket with two self-tapping screws(junction of horizontal rail and vertical rail).
3. Lock the nut assembly and secure the horizontal guide rail in the slot at the top of the rail, then connect it to the bracket connector.
4. Position the pain marker on the right auxiliary bracket (maintain the same distance as the horizontal marker in Step 2).
5. Repeat the same procedure on the right side.

Note: Ensure the horizontal guide rail is above the top of the door opening.



Panel quantity	4	5	6	7
Size B (mm)	60	65	70	75

Step 1.4-Install the track auxiliary bracket to Porous Angular Bracket

Required parts:

1. horizontal track
2. Nut kit

Detailed steps:

1. Use a green infrared level to illuminate the left and right vertical auxiliary supports and draw the horizontal line.
2. First, determine the left-side position of the guide rail and bracket connector, then secure the connector to the auxiliary vertical bracket with two self-tapping screws (at the junction of the horizontal and vertical guide rails).
3. Lock a set of screws and nuts and fix the horizontal guide rail in the bracket connector slot above the guide rail.
4. Paint the marker point to the right auxiliary bracket (maintain the same distance as the horizontal marker in Step 2).
5. Repeat the same procedure on the right side.

Note: To ensure the horizontal guide rail is above the top of the door opening, the straight edge should be about 3~5 higher than the curved edge.

cm 。

upper slot on the horizontal guide rail

Vertical guide slot

Step 2.1-Install Auxiliary Vertical Guide Rail brack-ets

Required parts:

1. Straight track
2. Nut kit

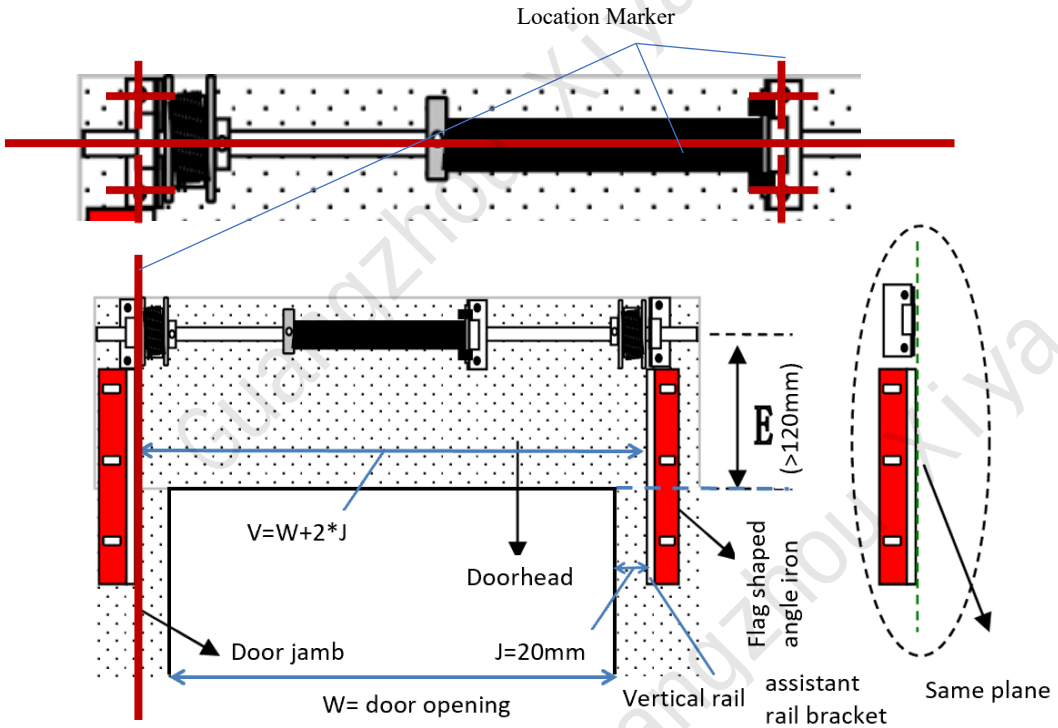
Detailed steps:

1. The vertical distance from the bottom of the horizontal guide rail to the ground on both sides is measured, and the straight rail of the corresponding length is cut according to the measurement results.
2. Secure the L-shaped (or R-shaped) guide rail to the left (or right) vertical auxiliary bracket, then mark the screw pass hole positions on the bracket (align with the guide rail's top hole).
3. Remove the guide rail and drill the top screw into the hole marked on the bracket according to the position.
4. A set of nuts and screws is used to fix the straight rail to the auxiliary bracket, with one set required on each side (left and right).
5. Keep the guide rail parallel to the bracket, and drill self-tapping screws through the bottom hole of the vertical guide rail to fix the guide rail to the bracket.
6. The drill screw passes through the hole in the bracket, aligning it with all other existing holes on the vertical guide rail.
7. Insert the screw and nut assembly into all drill holes to secure the guide rail to the bracket.
8. Remove the self-tapping screw at the bottom, then drill a larger hole in the bracket.
9. The screw and nut assembly is screwed into the bottom hole and tightened to complete the fixation of the guide rail and bracket.

Step 3.1-Install the Shaft Bracket to the Wall.

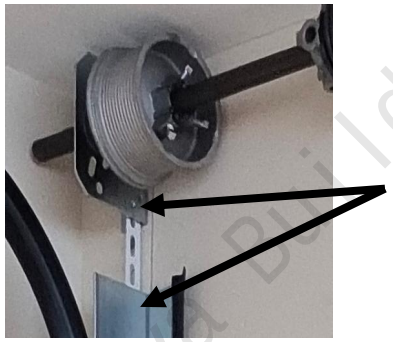
Required parts:

1. Central axis bracket
2. axial support
3. anchor bolt



Detailed steps:

1. Use a green infrared level to illuminate the lintel, ensuring the light reaches a height of over 120mm above the door opening.
2. Draw the line according to the horizontal mark, fix the center bracket to the wall, and mark the position of the anchor bolt hole.
3. Drill holes for the L side shaft bracket and the center shaft bracket, the hole diameter is 12mm,hole depth is
4. The anchor bolt is hammered into the hole with a hammer, and the hex nut is tightened with a wrench. Then the hex nut and the anti-loosening washer are removed for subsequent use.
5. The central bracket is fixed to the anchor bolt and then secured to the wall with the recently removed split-lock washer and hex nut.



Vertical Alignment

Axial support side

Step 3.2: Install the Shaft to the Shaft Bracket.

Required parts:

1. torsion spring shaft subassembly
2. Long screw and nut set (black)

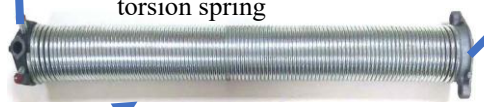
Detailed steps:

1. Lift the upper part of the torsion spring shaft, align the shaft center with the central bracket, then insert the shorter end of the shaft into the hole of the side shaft bracket.
2. Two fixed flanges are secured to the central shaft bracket with two sets of screws-nuts.

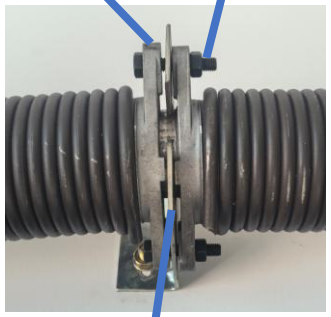
Subcomponents (axles, torsion springs, and steel wire wheels, all included)

steering wheel

torsion spring



long screw nut set



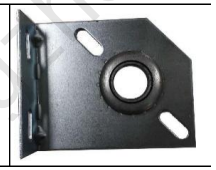
handle

Central support

Step 3.3-Install Another Side Bracket on the Shaft

Required parts:

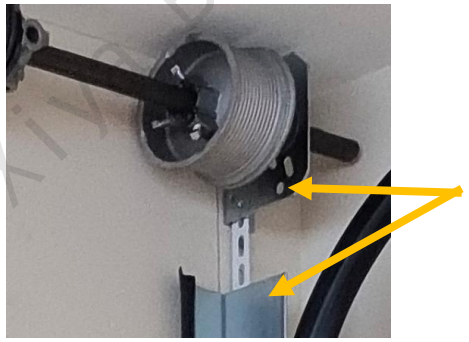
1. steering wheel
2. axial shaft, shaft support

Steering wheel	
Handle Bracket edge	

han
dle

Detailed steps:

1. Put another wire wh</sp_2 to s h i g ft e nvaenrt and oc t </d kindness b Lākshām kt really. shaft.
2. Slide and let side br et a l i g n i ht h a o s e i
3、 According to the screw holes on the side bracket, position the paint anchor bolt holes.
4. After removing the stent, drill a hole along the wall with a diameter of 12 mm and an unspecified depth.
5. Tap the anchor bolt into the hole with a hammer, tighten the hex nut with a wrench,and then remove the hex nut and the open locking washer,for later use.
6. Move the side bracket to the anchoring bolt and fix it to the wall with the split lock washer and hex nut that have just been removed.



vertical align-
ment

Step 4.1a-Mount the Bracket Onto the Base Plate.

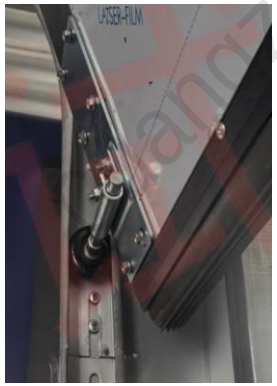
Required parts:

1. Lower Limit Scale-L x1
2. Lower Limit Box-R x1
3. Bottom panel x1
4. self-tapping screw x12

Detailed steps:

1. Carefully place the bottom panel flat on the ground, with the inside side facing up.
2. Align and secure the lower bracket-L to the lower left corner of the panel.
3. The stent was fixed on the door panel with six self-tapping screws.
4. Follow steps 2 and 3 to secure the bottom bracket-R to the right corner of the panel.

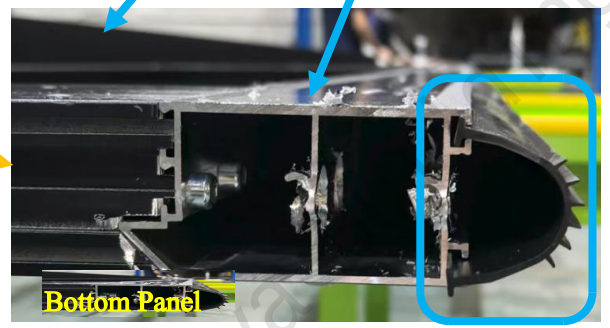
Note: Do not place any hard objects under the glass panel to avoid causing the glass to break.



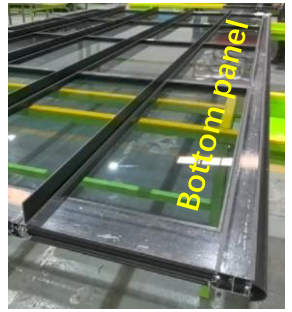
bottom brackets -L

Self Tapping Screw

RiB medial



Lower Limit Scale-R



Step 4.1b-Mount the Stent Onto the Base Plate.

Required parts:

1. Roller bracket x1
2. Self-tapping sc-

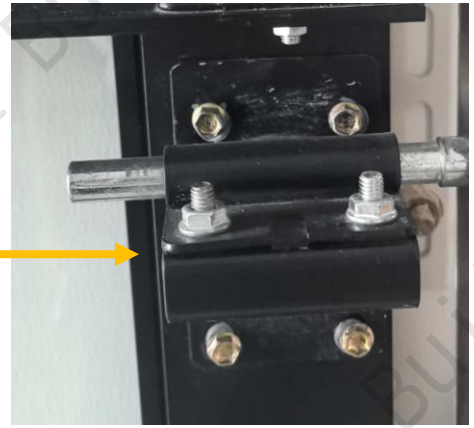
rew x8 Self-tapping

screw

Detailed steps:

1. Align and secure the roller bracket to the upper panel area (left/right).
2. The stent was fixed on the door panel with self-tapping screw.

Note: Do not place any solid objects that may pose a risk under the glass panel. Break the glass.



Step 4.2-Install the Roller Bracket on the Other Panel

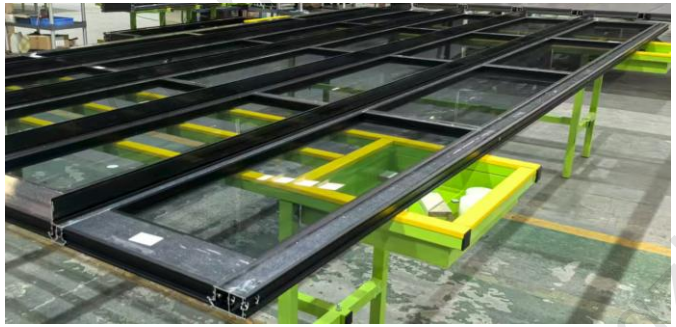
Required parts:

1. roller support
2. door plank
3. self tapping screw

Detailed steps:

1. Align and secure the roller bracket to the upper panel area (ribbed side) (left/right).
2. The stent was fixed on the door panel with self-tapping screw.

Note: Do not place any hard objects under the glass panel to avoid causing the glass to break.



self tapping screw

expansion cylinder

brack-ets

Step 4.3: Install the Base Plate Onto the Guide Rail.

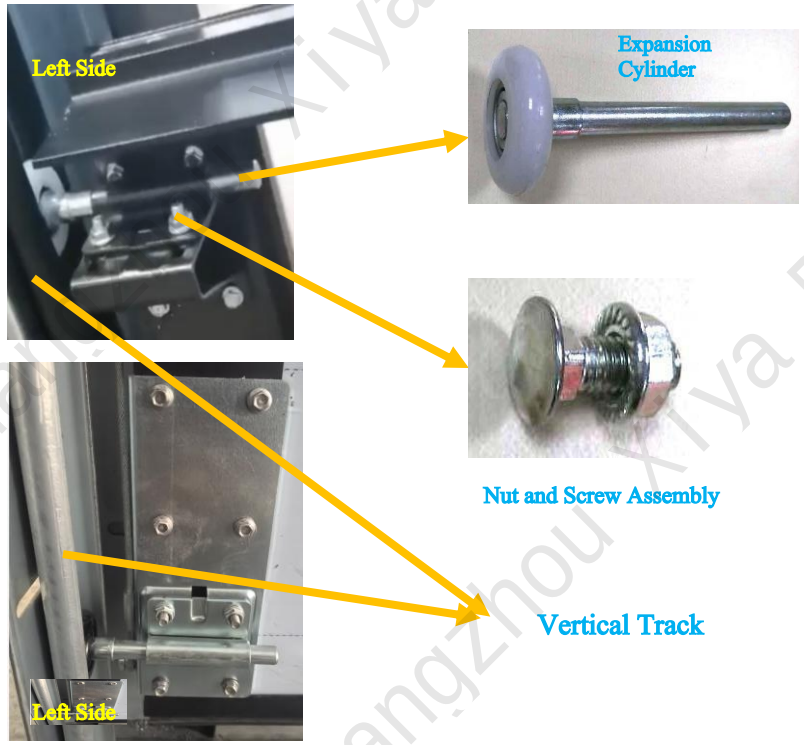
Required parts:

1. lower rail assembly
2. Roller x4
3. x8 nut set
4. roller shaft bracket

Detailed steps:

1. Move the bottom panel between the tracks and rotate it to a vertical position.
2. Place the roller on the L side, fix the roller shaft with the shaft bracket, and tighten the screw nut to the roller bracket(or base bracket)
3. Repeat step 2 on the R side.

Note: The gap between the panel and the vertical auxiliary bracket should be greater than 5 mm.



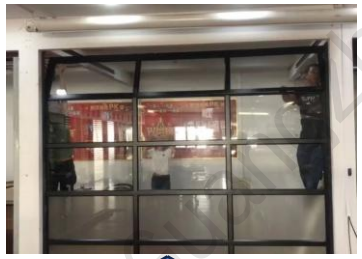
Step 4.4-Stack and Assemble the Standard Panels.

Required parts:

1. Other panel sub-components
2. contact roller
3. Hinge screw nut set
4. roller shaft bracket
5. self tapping screw 。
6. hinge

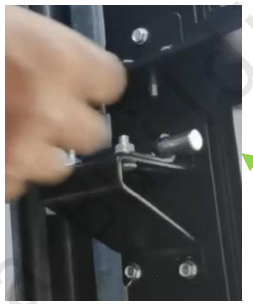
Detailed steps:

1. Stack the common panel vertically on the bottom panel.
2. The rollers are installed on both sides and the shaft bracket is fixed by tightening the nut on the roller bracket to keep the roller axis stable.
3. The hinge is secured to the upper plate frame by tightening three self-adhesive tape screws.
4. Three threaded holes are drilled in the rib of the lower plate.
5. The hinge is fixed on the rib of the lower plate by tightening three sets of screws and nuts.
6. Repeat steps 1-5 to assemble other standard panels by stacking them together.



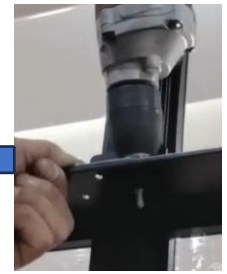
hinge

self tapping screw



Hinge screw nut

M4×15 threaded sleeve



drill