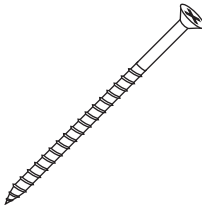
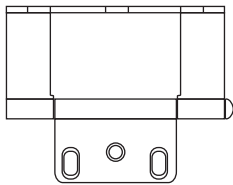
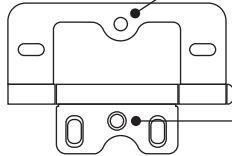
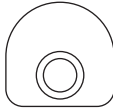
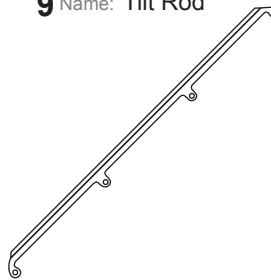
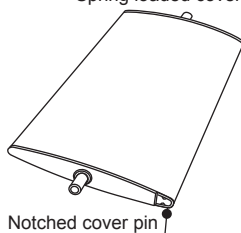
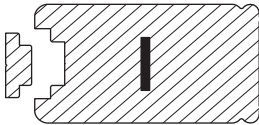
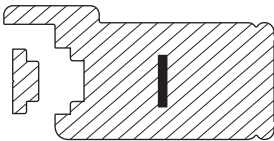
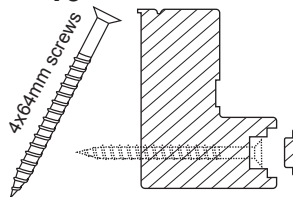
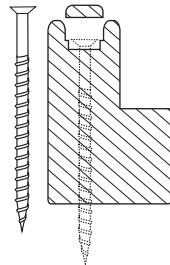
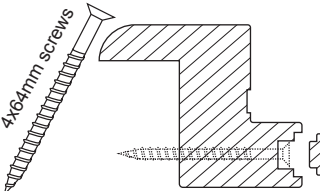
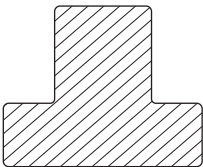
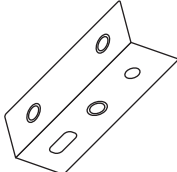
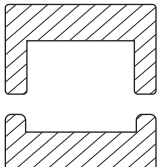
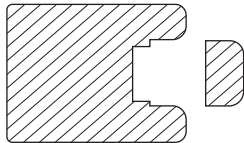
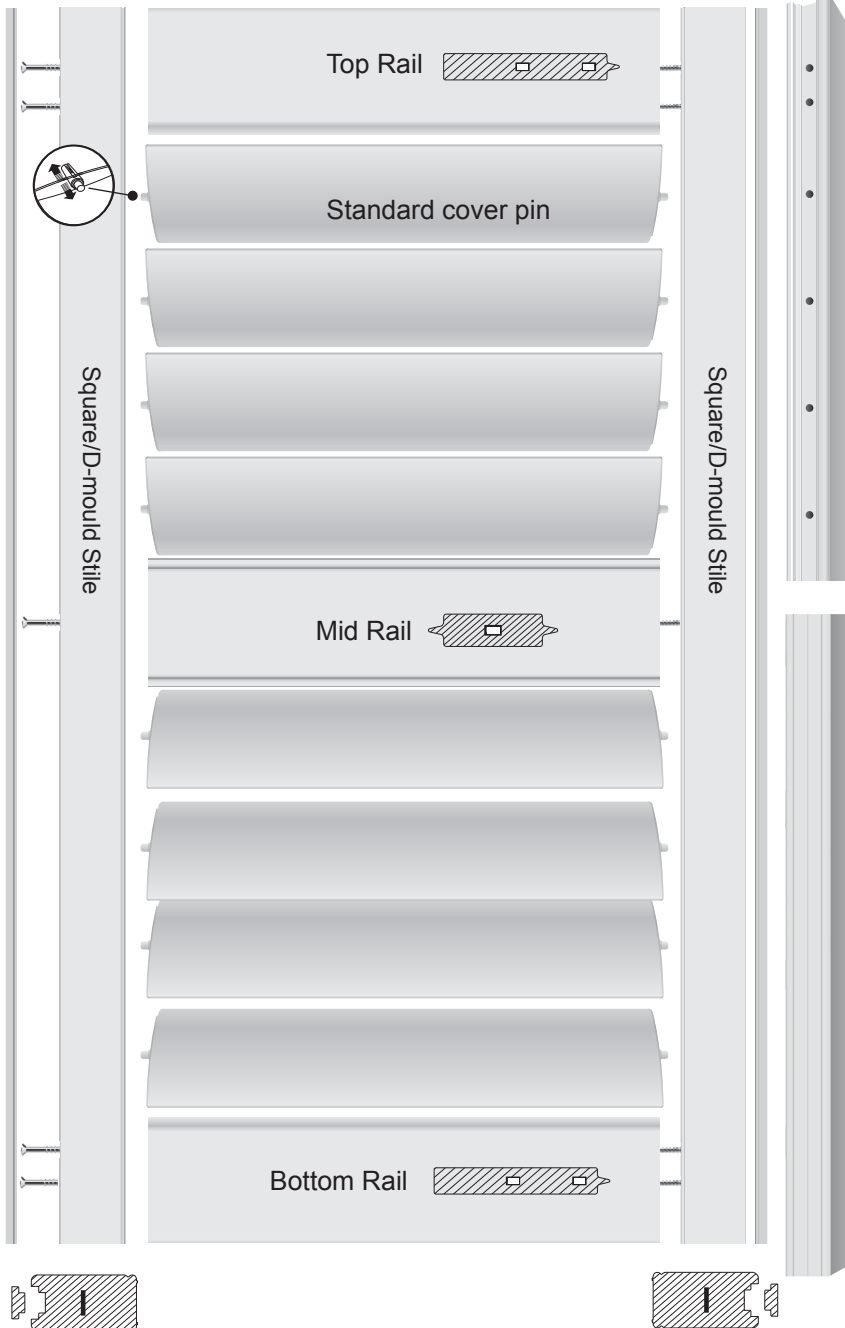
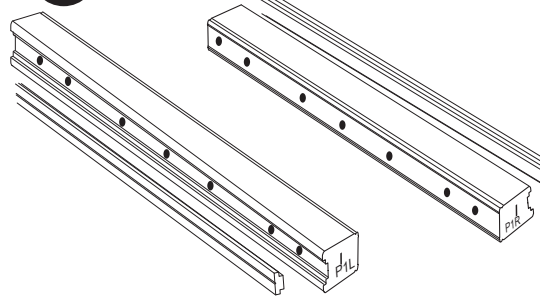


1 Name: Assemble Screw 4.5x60mm  8 screws for each panel, extra mid rail will have 2 more screws supplied.	2 Name: Tension Screw 4.5x76mm  2 screws will be supplied for each tension adjustable blade.	3 Name: HS L Hinge  Each hangstriped panel will have 2,3 or 4 hinges.	4 Name: NM Hinge  Each framed panel will have 2,3 or 4 hinges.	5 Name: Hinges Screw 3.8x23mm  3 screws will be supplied for each hinge.(frame side) 6 Name: Hinges Screw 4x35mm  3 screws will be supplied for each hinge.(panel side)		
7 Name: Single Panel Strike Plate  2 strike plates with 2 screws will be supplied for each panel.	8 Name: Strike Plate Screw 2.5x15mm 	9 Name: Tilt Rod  By default, tilt rod will be split if number of blades is over 11 in each section.	10 Name: Tilt Rod Screw 2x16mm 	11 Name: Blades/Louvers  Spring loaded cover pin Notched cover pin Standard cover pin  Notched cover pin Blades/Louvers are the main part of shutter panel.		
12 Name: Top/Bottom Rails  Each panel has one top rail and one bottom rail, they are same length only the height may vary.	13 Name: Mid Rail  Mid rail only available when panel height is over 1600mm or by request.	14 Name: Square Stile  Each panel has two symmetrical stiles.	15 Name: Astragal Stile  When layout has L-DR, a D-mould stile will be installed at left side of Right Panel.	16 Name: Recess L Frame  4x64mm screws Each window will have 3 or 4 pieces of frames, N/A if layouts are direct mount, U channels and Hangstrips. 3 of 4x64mm screws will be supplied for each side	17 Name: Facefit L Frame  4x80mm screws Each window will have 4 pieces of frames, N/A if layouts are direct mount, U channels and Hangstrips. 3 of 4x80mm screws will be supplied for each side	
18 Name: Recess Z Frame  4x64mm screws Each window will have 3 or 4 pieces of frames, N/A if layouts are direct mount, U channels and Hangstrips. 3 of 4x64mm screws will be supplied for each side	19 Name: Tpost  Tposts will be supplied only if layout with Tpost.	20 Tpost Screw 3.8x18.5mm  Each tpost will have 2 brackets and 10 screws.	21 Tpost Bracket  Light Block applies to HS and 3-sides frames with T-posts.	22 Name: Light Block 	23 Name: U Channel (UC)  Set of Top (left) and Bottom (right) will be supplied if Layout is UC, no hinges supplied.	24 Name: Hangstrip (HS)  2 hangstrips supplied for each window, only L shaped hinges will be supplied.

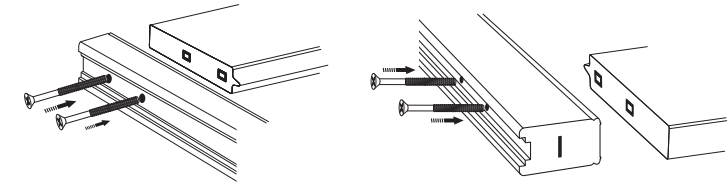
Panel Assemble



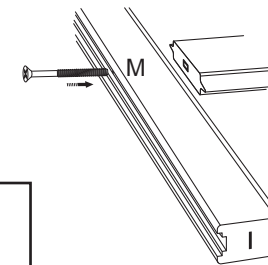
1 Step 1: Join rails and stiles.



1.1. Lay the stiles on the table, open the stripes, check the bottom of stiles. You will find P1L, P1R, P2L, P2R.....etc.
Stands for panel 1 left stile, panel 1 right stile, panel 2 left stile and right stile and so on.



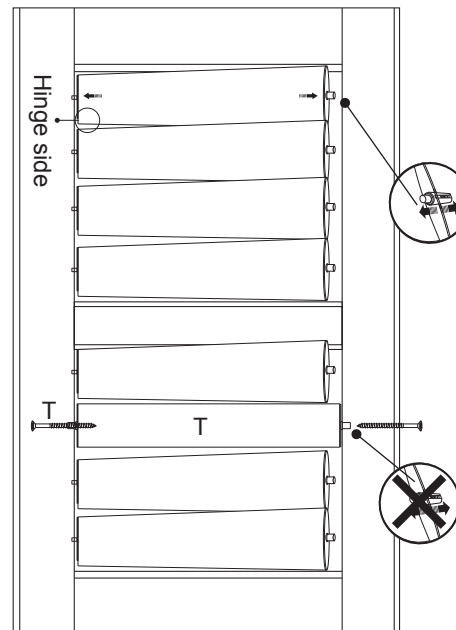
1.2. Join the top rail to the left stile first by using the 2 assemble screws (4.5X60mm), and then join the bottom rail. Do not screw too tight.



1.3. Join the Midrail to the left stile if the Midrail applies to your panel. The position of the Midrail marked with an "M" on the stile. However, you can still swap with any blade later on. Stop screwing once the Midrail touches the stile, and unscrew the Midrail slowly. Make sure the aluminium core inside the Midrail does not damage the stiles.

1.4. Repeat 1.2 and 1.3 to join the rails to the right stile.

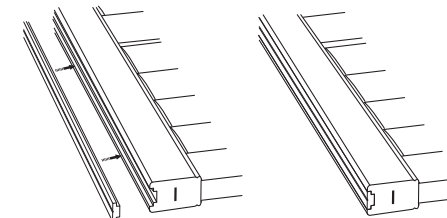
2 Step 2: Assembling blades.



2.1. The cover pins are capped into the blades. Lay all notched caps at the hinge side of stile. Insert the fixed blade cap pins into one stile, then clip the spring-loaded cap pins to the other stile.

2.2. If you have tension blades(each section has more than 6 blades), they will be marked with a "T" on the blades and stiles. Tighten the tension screw (4.5x76mm) on both sides, but do not screw too tight.

Put the hole stripe back into the stiles.



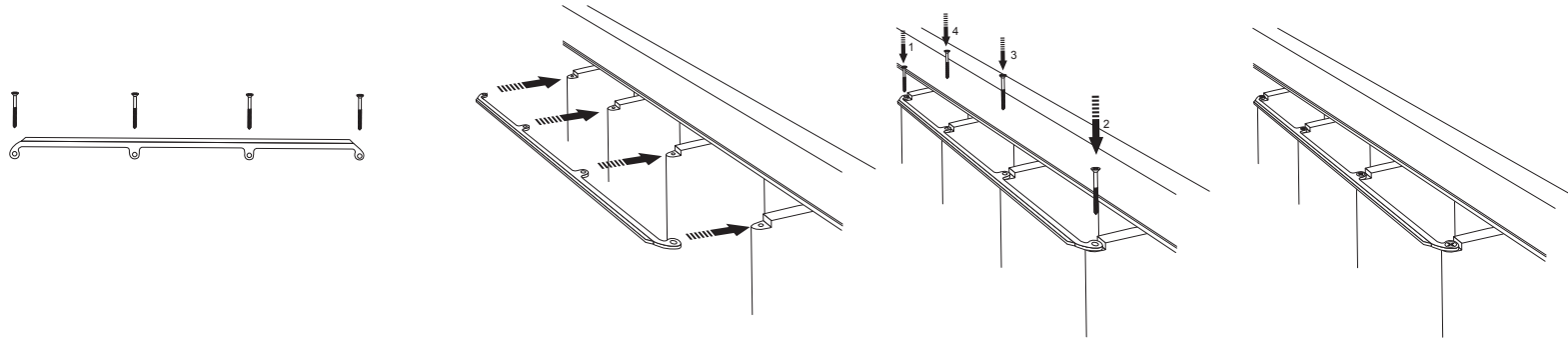
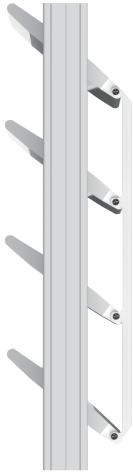
Tips: If blades were placed in the wrong position, use a hinge pin to push the springload side blade cap through the back of stile hole, you can take the blade out easily.

Panel Assemble

3

Step 3: Assembling tilt rods.

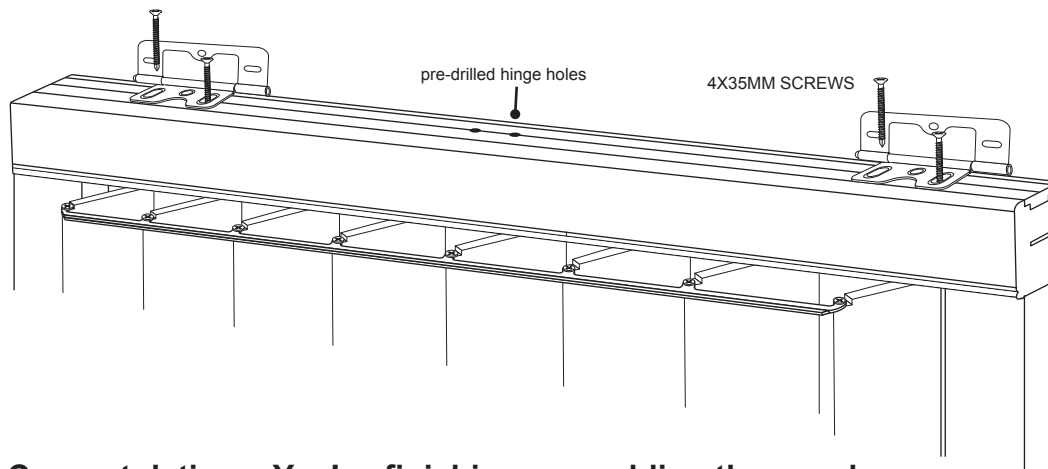
3.1. Check the number of tilt rods supplied. Tilt rod controls the number of blades. Face the tilt rod screw holes up. Put first & last screws in the notched caps to stabilize the rod, then connect the other blades. Rotate the blades after the tilt rod put on and adjust the tilt rod screws a bit if needed, make sure blades rotate smoothly.



4

Step 4: Assembling hinges.

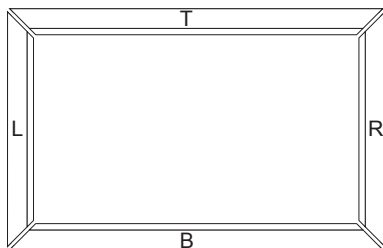
4.1. check the stile, hinge holes have been pre-drilled. Turn the panel up right. **CAREFUL.** USE 4X35MM SCREWS in the stiles. (23mm for the frame side)



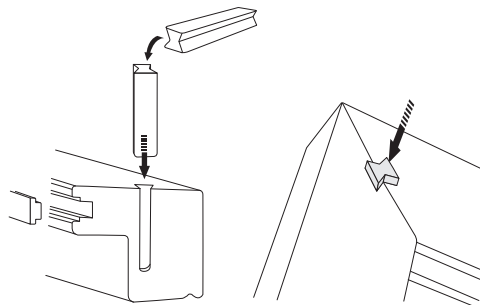
Congratulations, You've finishing assembling the panel.

5.1 Frame installation

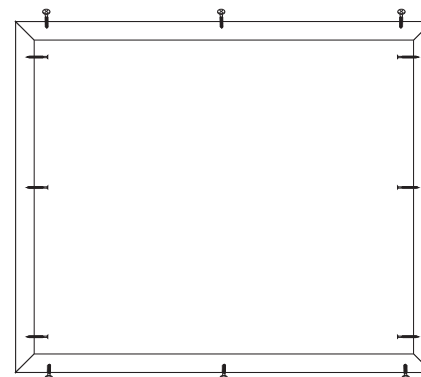
a. Lay the frames on floor. Check labels at the cutting edges are marked with L, R, T and B. stands for Left, Right, Top, and Bottom.



b. Take off the stripes from frames. Insert the Hoffman keys into the frame slots to join the frame together. Use a rubber hammer to knock it in if possible.

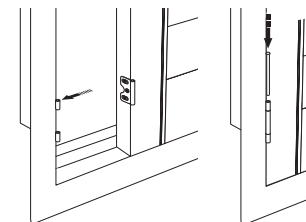


e. Attach the joined frames to your window frame. 12 Installation screws are supplied. 3 for each frame side. Screw from the light block position (refer to the parts list 16,17 and 18). screw the left and right frames first then insert top and bottom hinge pins to hang the panel.

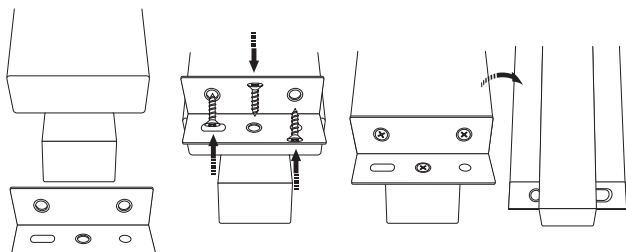


NM Hinge

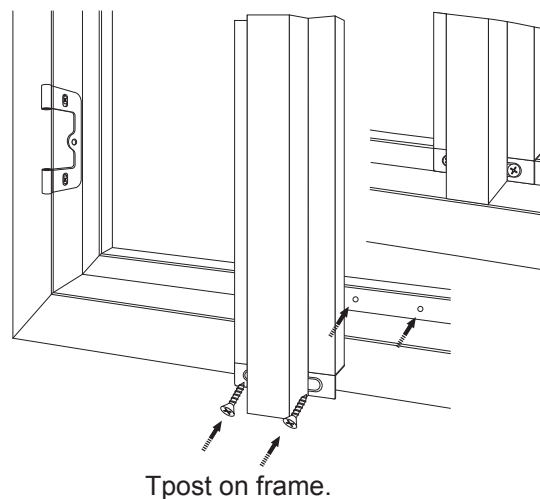
Match the hinge parts, insert top & bottom hinge pins.



c. If Tpost applies for layout, use screws (18X3.8mm) to attach the Tpost L strike plate to the post rabbets.

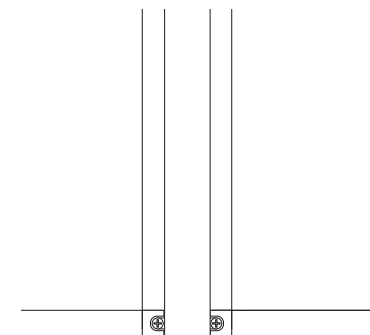


f. If Tpost applies, hold the T post and screw the oval holes of L strike plate, so you can adjust the gap afterward. (Tpost on light block for layouts: direct mount, hang-strip and 3 side without the bottom frame)

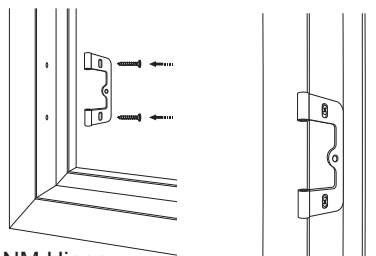


Tpost on frame.

Tpost on the lightblock. (Direct Mount, 3 side frames, No frame)



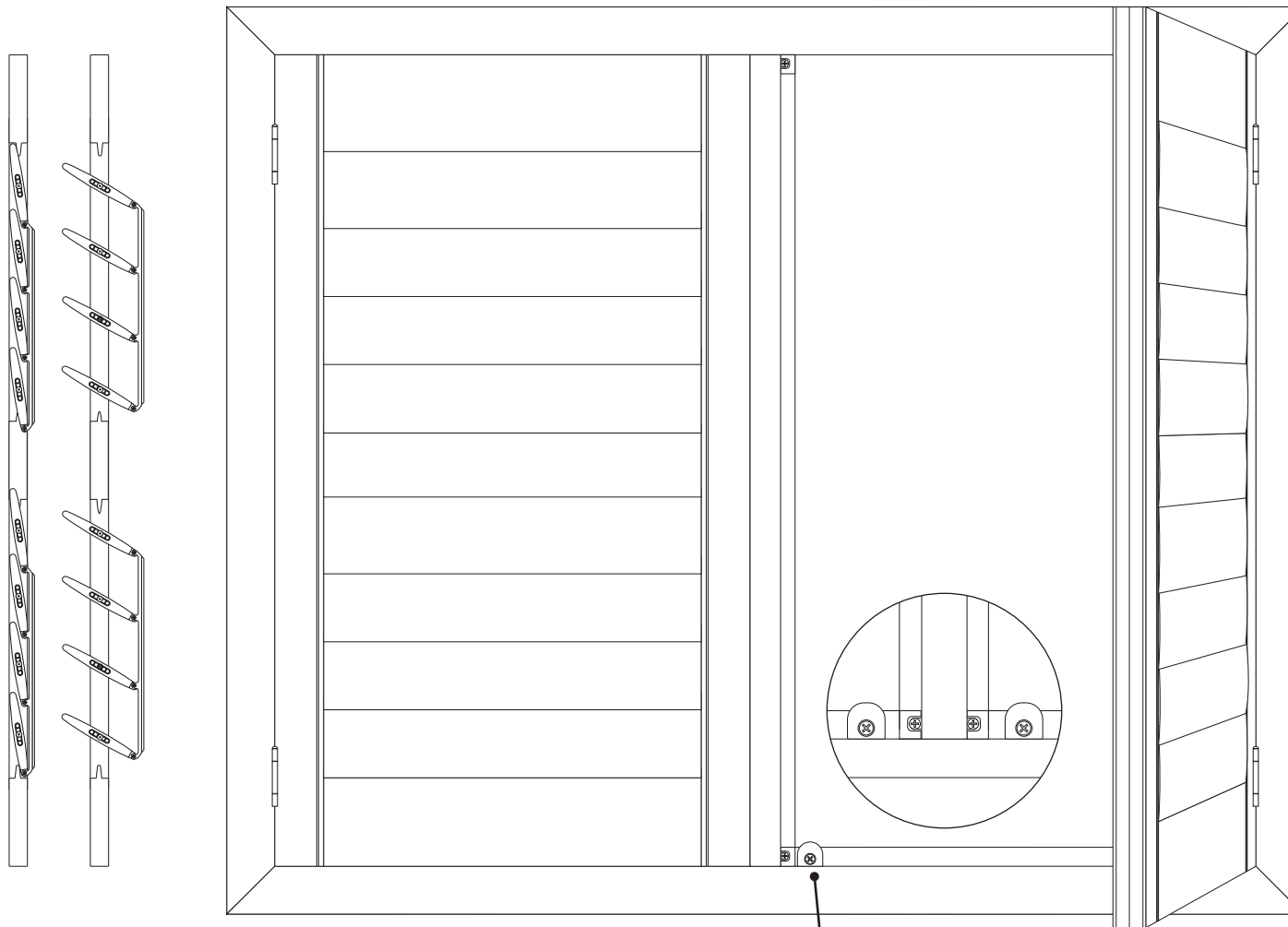
d. Take out the pins from the top and bottom hinges attached to panel. Attach the frame side part hinges to the frame. Only the top and bottom hinge holes are pre-drilled. Use screws (4X23mm) to attach the two oval holes first.



NM Hinge

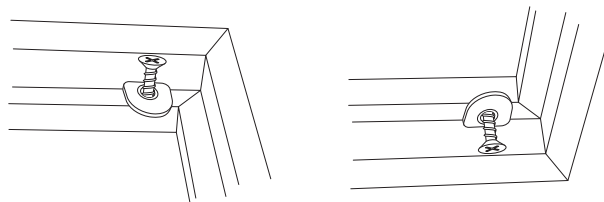
Attach hinge by (23mm) 3 screws.

g. You can adjust the hinge oval hole screws to lift the panel or adjust the frame screws to adjust the gaps between frames.



Attach the magnet plate at the top and bottom.

Tips: Stick the magnet plate to the round magnet with the screw facing outwards, closed the panel, use the screw to locate the hole in the frame.



Singel panel