

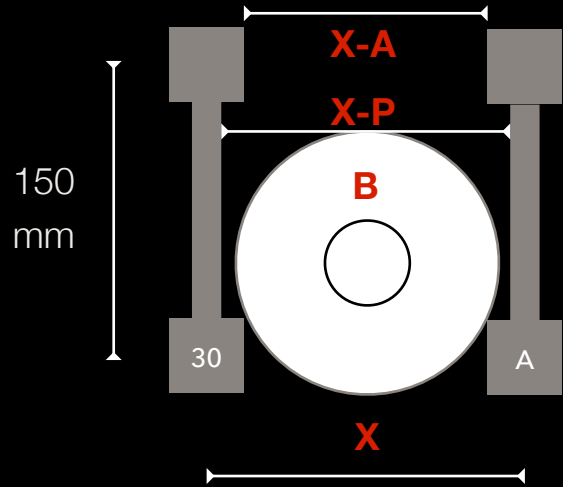
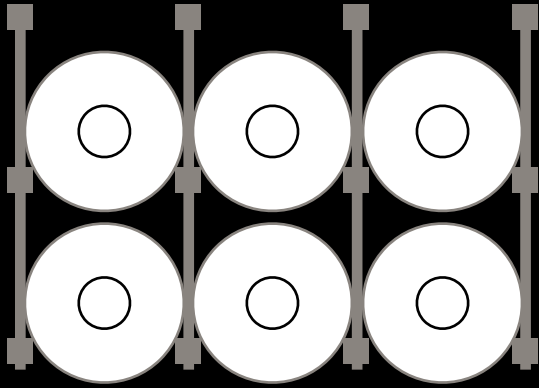


ACRYLIC WINE RACKS CORK FORWARD

Installation Instruction

Please read the entire installation process carefully, and you can make necessary changes according to your actual situation.

BASIC INFORMATION



$$X-A+4 < B < X-P-2 \text{ or } B+P+2 < X < B+A-4$$

P: Diameter of Pole (rod)

A: Acrylic square strip side length

B: Diameter of Bottle

X: Distance between the centers of two poles

Given the conditions:

P=16mm (Diameter of Pole),

A=30mm (Acrylic square strip side length)

THEN:

$X-26 < B < X-18$ or $B+18 < X < B+26$

For simplification, $X=B+22 \pm 4$

STEP 1: SPACING - DETERMINE THE APPROPRIATE SPACING FOR YOUR BOTTLE STORAGE

A. CALCULATE THE HORIZONTAL SPACING

- Determine the size (diameter) of the bottles you will store.
- Use the formula $X-A+4 < B < X-P-2$, where:

P represents the diameter of the pole (P=16mm).

A represents the side length of the acrylic square strip (A=30mm).

B represents the diameter of the bottle.

X represents the distance between the center of two poles.

Leave a 1mm gap between the bottle and the pole.

Ensure there is 2mm of support at each side of the bottle.

Conclusion: $X-26 < B < X-18$ (or to be simple, set it to $X=B+22$)

IF $X=90$, it fits bottles which diameter between 64 to 72mm;

IF $X=100$, it fits bottles which diameter between 74 to 82mm;

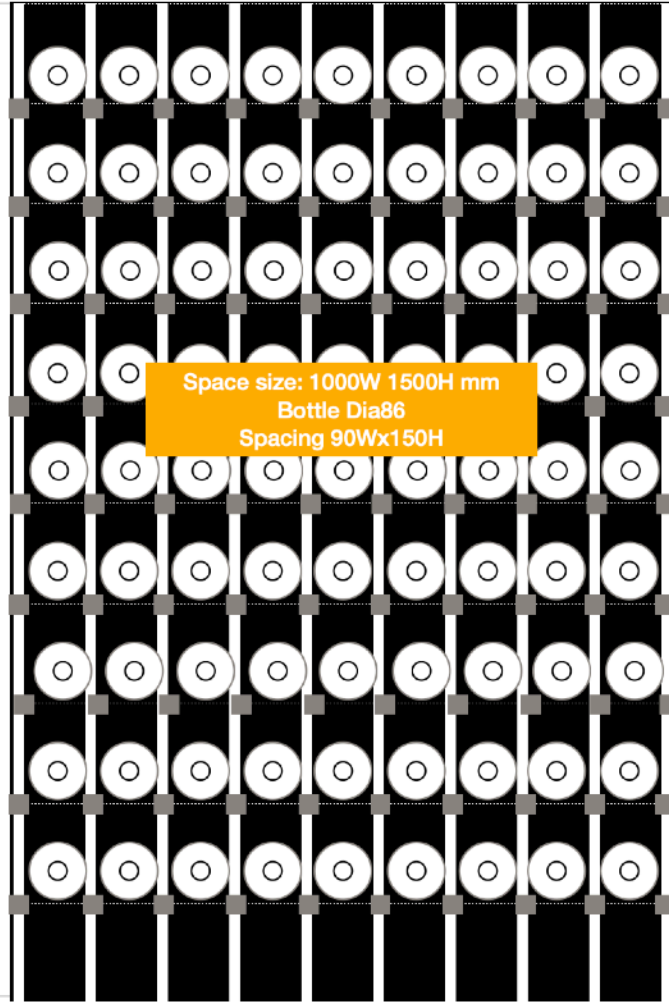
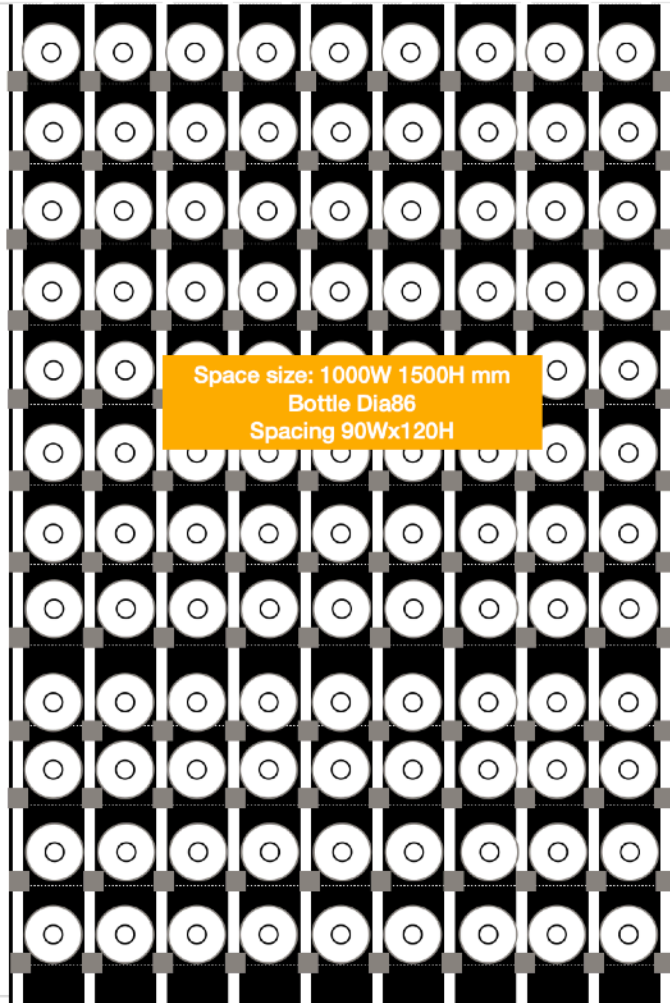
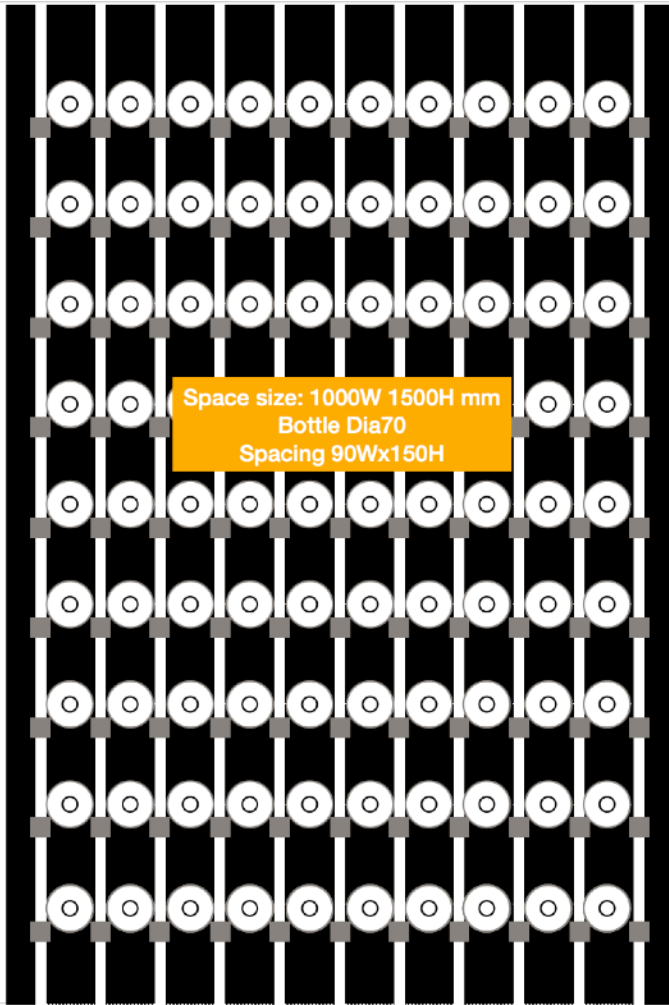
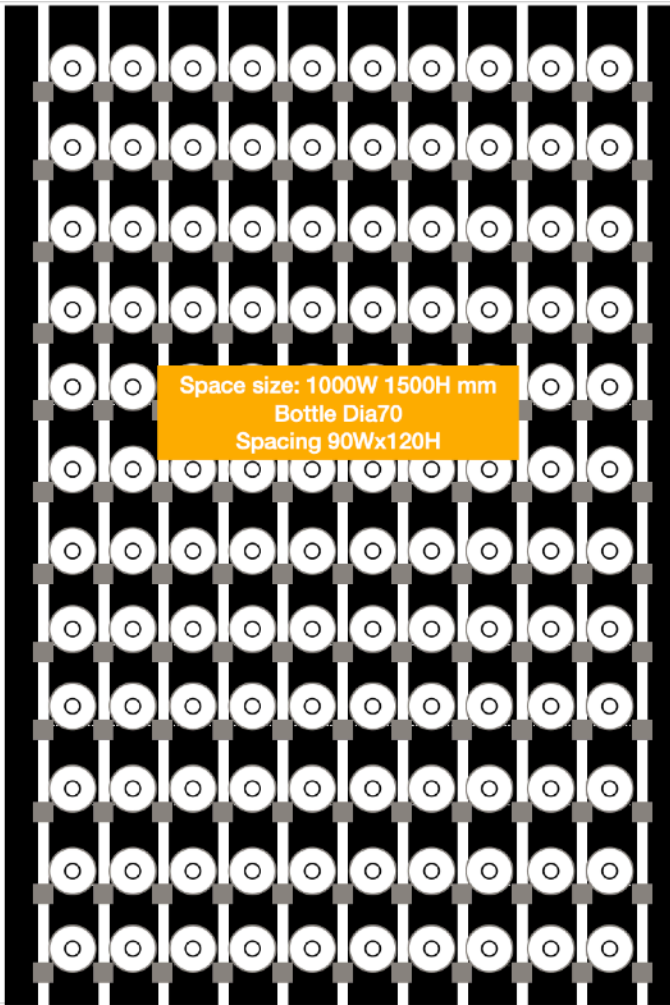
IF $X=102$, it fits bottles which diameter between 76 to 84mm;

IF $X=105$, it fits bottles which diameter between 79 to 87mm;

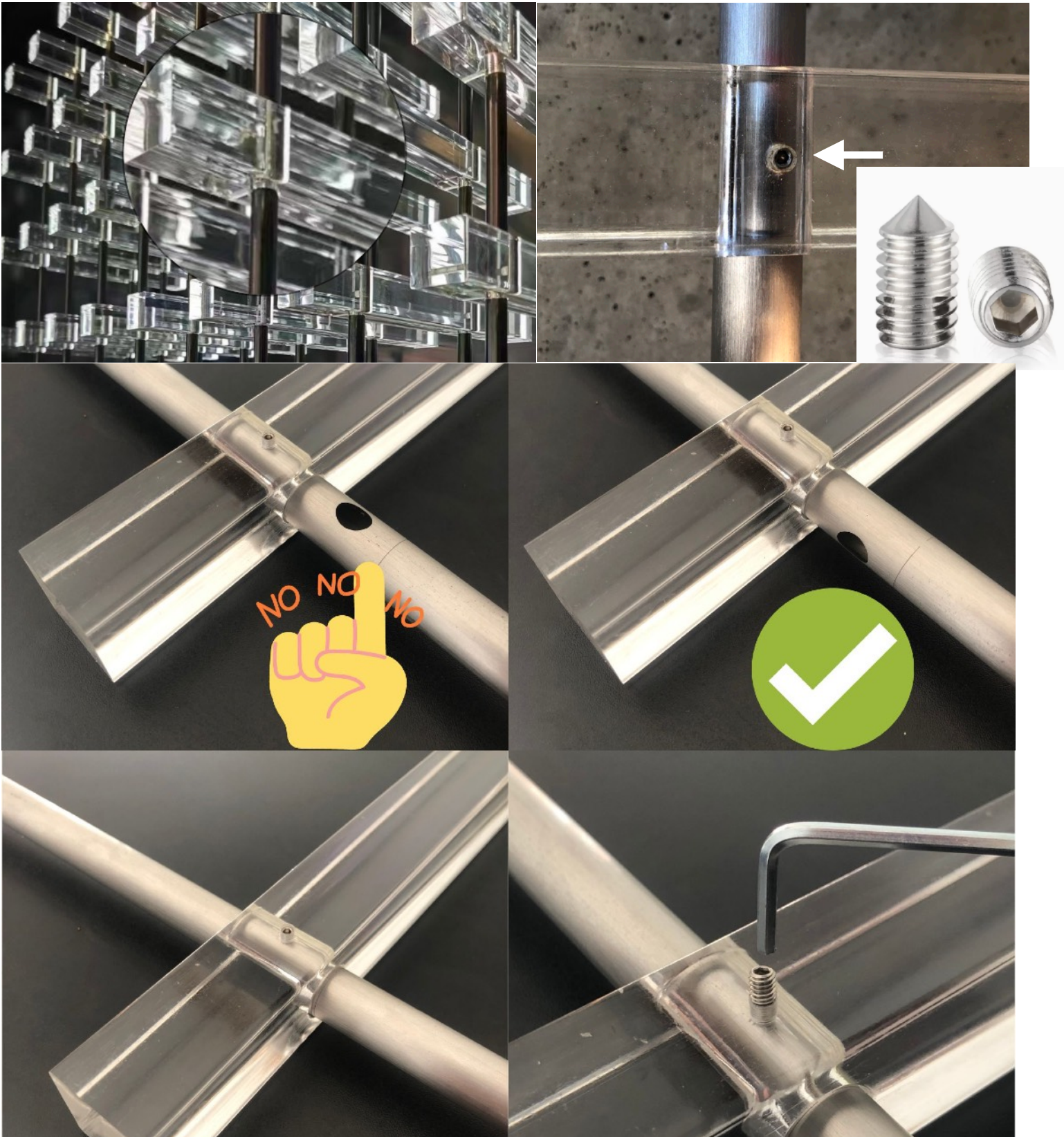
B. THE VERTICAL SPACING (OPTIONAL)

Y=120MM or Y=150mm

Horizontal Spacing (mm)	Minimum Bottle Diameter	Maximum Bottle Diameter
88	62	70
89	63	71
90	64	72
91	65	73
92	66	74
93	67	75
94	68	76
95	69	77
96	70	78
97	71	79
98	72	80
99	73	81
100	74	82
101	75	83
102	76	84
103	77	85
104	78	86
105	79	87
106	80	88
107	81	89
108	82	90
109	83	91
110	84	92



STEP 3: INSTALL THE ACRYLIC STRIPS ON THE POLES

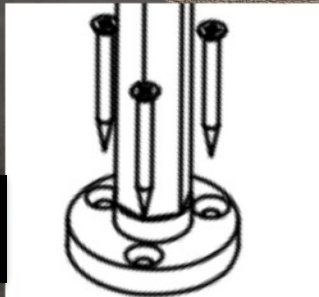


1. Position the acrylic strip along the stainless steel post so that it aligns with the hole in the post.
2. Ensure that the holes in the posts are facing the same direction, from front to back, as the acrylic strips.
3. Secure the acrylic strip to the stainless steel post by inserting a 304 pointed head cap screw through the pre-drilled holes in the acrylic strip.
4. Using an appropriate hex wrench, tighten the screws until the acrylic strip is securely attached to the post.

STEP 4: INSTALL THE POLES



firmly connect the flange and the pole through spot welding



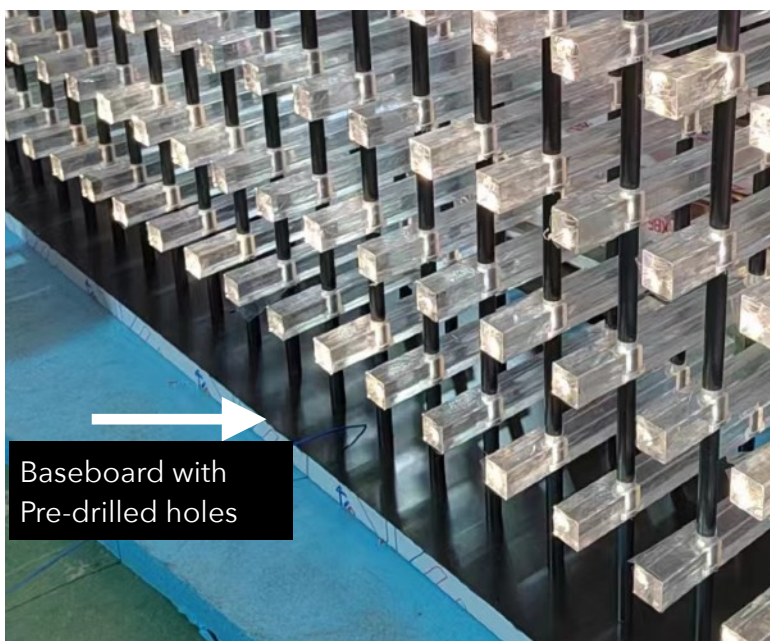
A. Install the Poles to the Floor

1. Firmly connect the flange and the pole through spot welding.
2. Thread the appropriate screws through the holes of the mount and into the floor.
3. Tighten the screws to securely fix the mount and increase the stability of the entire structure.

Alternative Solution:

If available, you can use pre-drilled holes on the floor or baseboard.

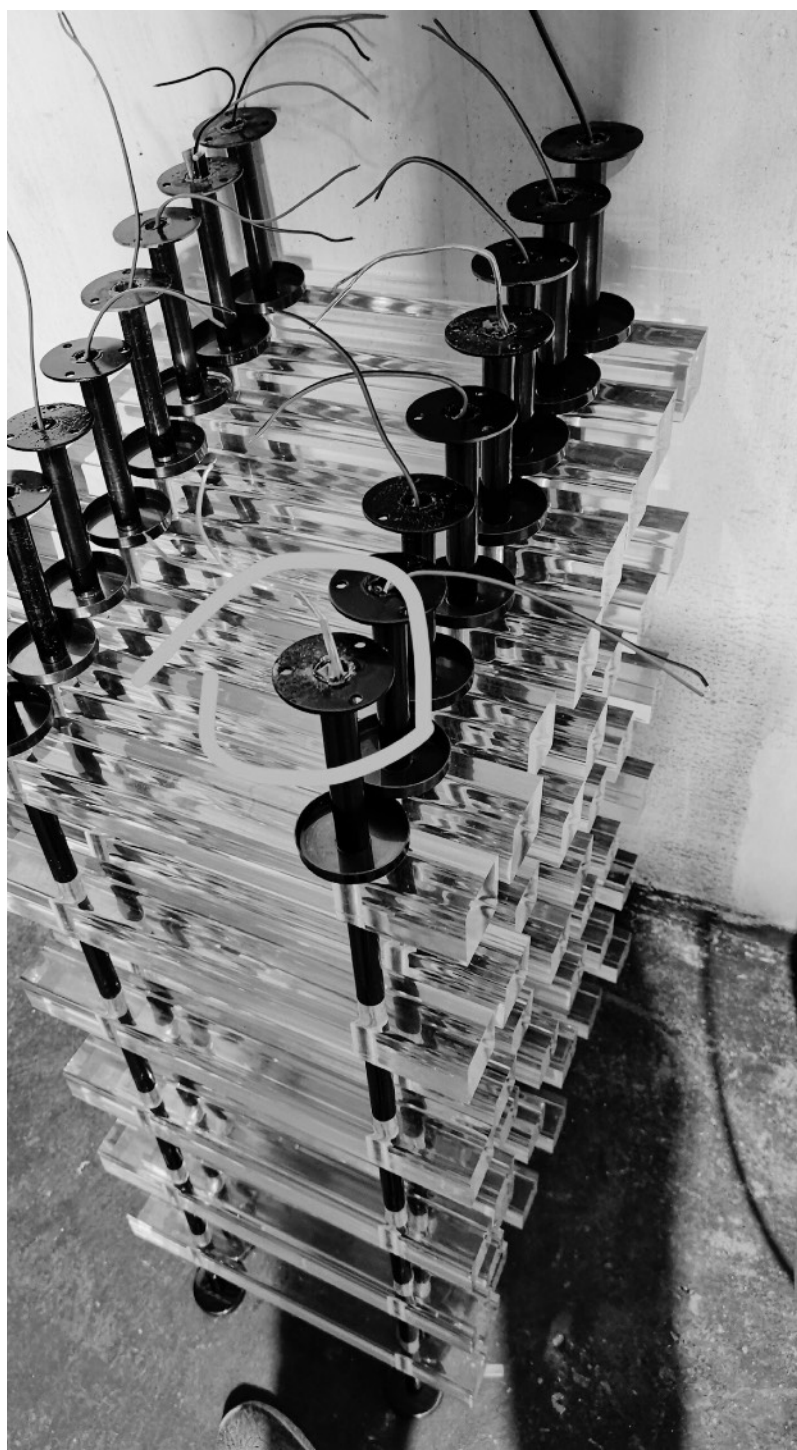
Insert the poles into the pre-drilled holes.



Baseboard with
Pre-drilled holes

B. Install the Poles to the Ceiling

1. Firmly connect the flange and the pole through spot welding.
2. Insert the LED strip into the pole, preparing for the subsequent installation of the LED lighting system.
3. Align the mount with the desired location on the ceiling and locate the corresponding holes. Thread the appropriate screws through the holes of the mount and into the ceiling.
4. Tighten the screws to firmly fix the mount and increase the stability of the entire structure.
5. Use glass glue to secure the flange to the pole.



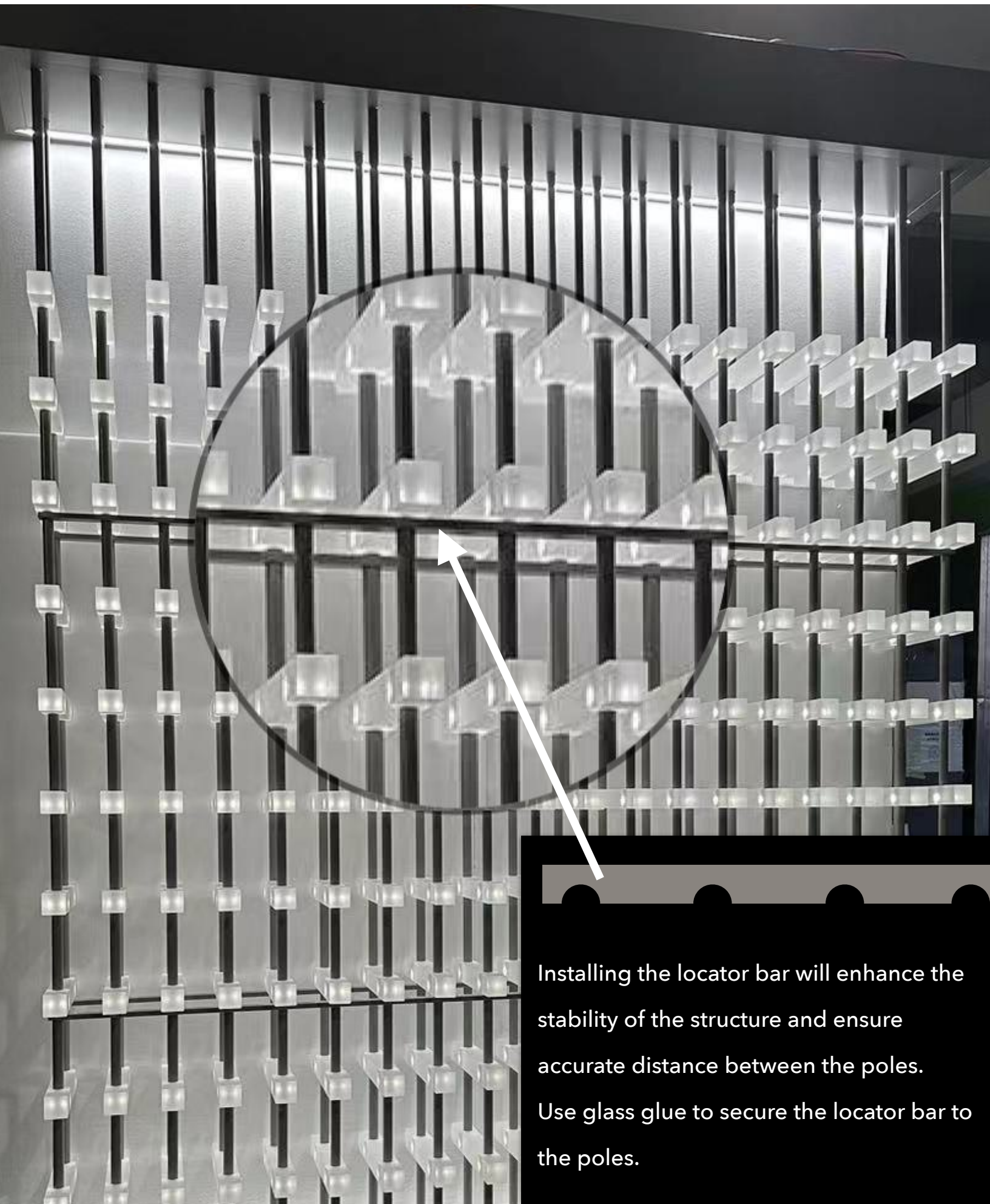
Alternative Solution:

If available, you can use pre-drilled holes on the ceiling or top frame.

Insert the poles into the pre-drilled holes.



STEP 5: INSTALL THE LOCATOR BAR



Installing the locator bar will enhance the stability of the structure and ensure accurate distance between the poles. Use glass glue to secure the locator bar to the poles.

STEP 6: INSTALL THE LED LIGHT



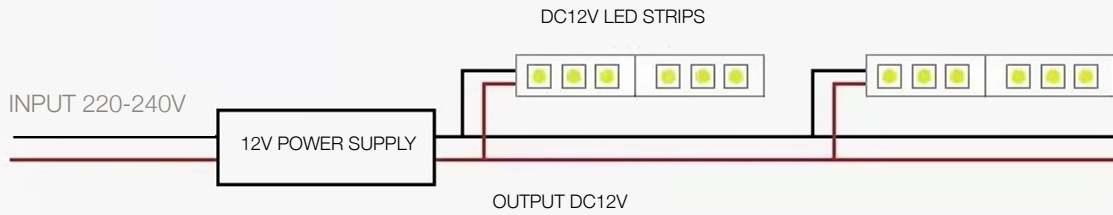
POWER SUPPLY



LED STRIPS

INSTALLATION DIAGRAMS

Pull a positive and negative output main line from the transformer, and all the light strips are connected in parallel to the main line.



SAMPLE

