

ALC 1170 - LOUVER SYSTEM



SIMPLY PROFESSIONAL



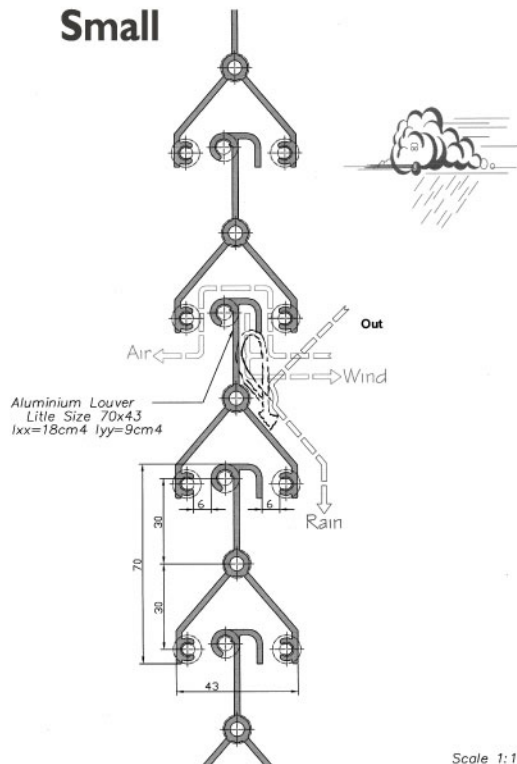
Aluminum Construction



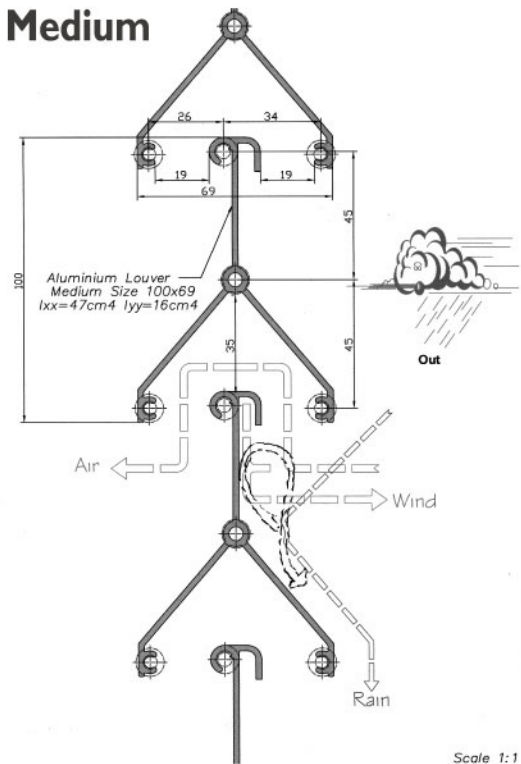
Aluminum Constructions Technology

Aluminum Construction Ltd. is Israel's leading curtain wall engineering and manufacturer for tall buildings (towers). Aluminum Construction Ltd. was founded in 1987 and boasts 2 plants - one in Israel and the other in Europe. The Company has 200 employees including engineers, production workers, installation workers, quality control technicians, etc. Aluminum Construction Ltd. develops and designs curtain wall systems and is renowned for its quality and professionalism both in Israel and in Europe. Aluminum Construction Ltd. tests the curtain wall systems it designs in a laboratory located on its premises and deemed to be one of the world's three leading laboratories testing curtain wall systems. Aluminum Construction Ltd. tailors its curtain walls to Israeli, European and American standards and adheres to some of the world's most stringent quality control guidelines. Aluminum Construction Ltd. installs its curtain walls with the help of its team of skilled employees. Aluminum Construction Ltd. provides service and oversees its projects through its subsidiary, "Aluminum Constructions International". Aluminum Construction Ltd. invites you to join the family of customers, enjoying its products and schedule a visit to the plant at any time.

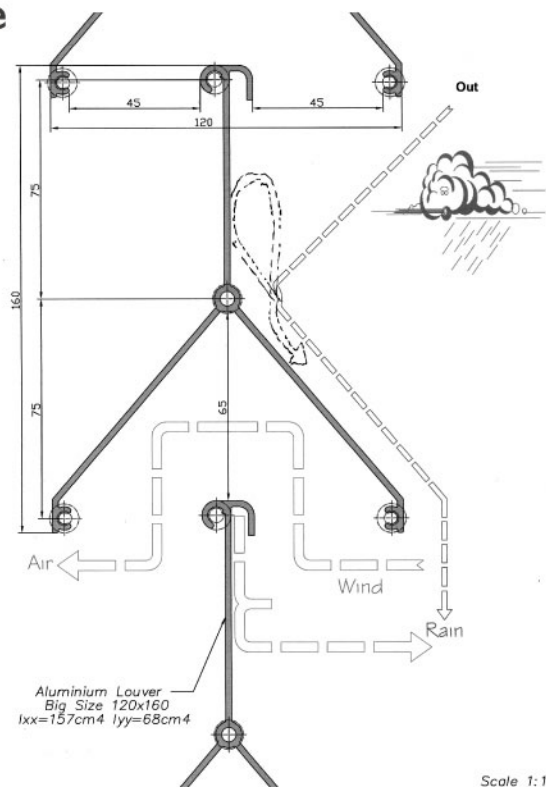
Small



Medium



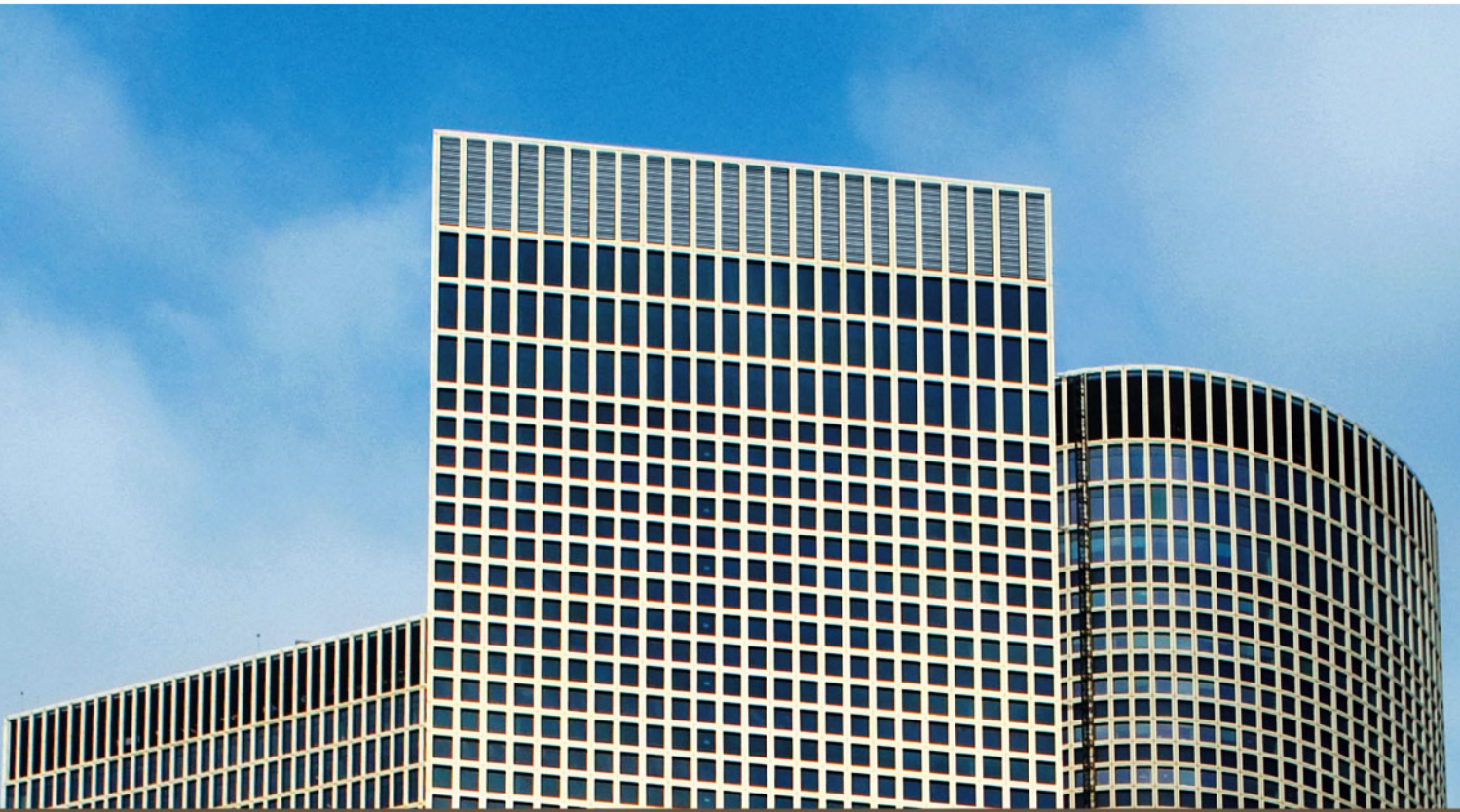
Large



ALC 1170 - LOUVER SYSTEM

The Ultimate Louver

- For air flows at various rates, without allowing water to enter; prevents approximately 97.5% of the water from entering the system.
- Cladding for buildings and structures. Each individual profile can be a different color.
- Reinforced to resist wind strengths.
- Completely resistant to corrosion.
- Conceals, prevents water entering, and the flow of air.



Air Flow - The ALC 1170 louver system serves mainly as cladding for those sections of the outer shell that require a large volume of air flow, especially in structures containing machines, such as chillers and generators.

The ALC 1170 louver system comes in three sizes that provide for the flow of different volumes of air according to the engineer's requirements:

- a. **Small** 45/70 - 8 mm opening, total air flow per $m^2 = 1,144 \text{ cm}^2$ for each m^2 of louvers
- b. **Medium** 70/100 - 18 mm opening, total air flow per $m^2 = 1,800 \text{ cm}^2$ for each m^2 of louvers
- c. **Large** 123/160 - 43 mm opening, total volume of air flow per $m^2 = 2,709 \text{ cm}^2$ for each m^2 of louvers

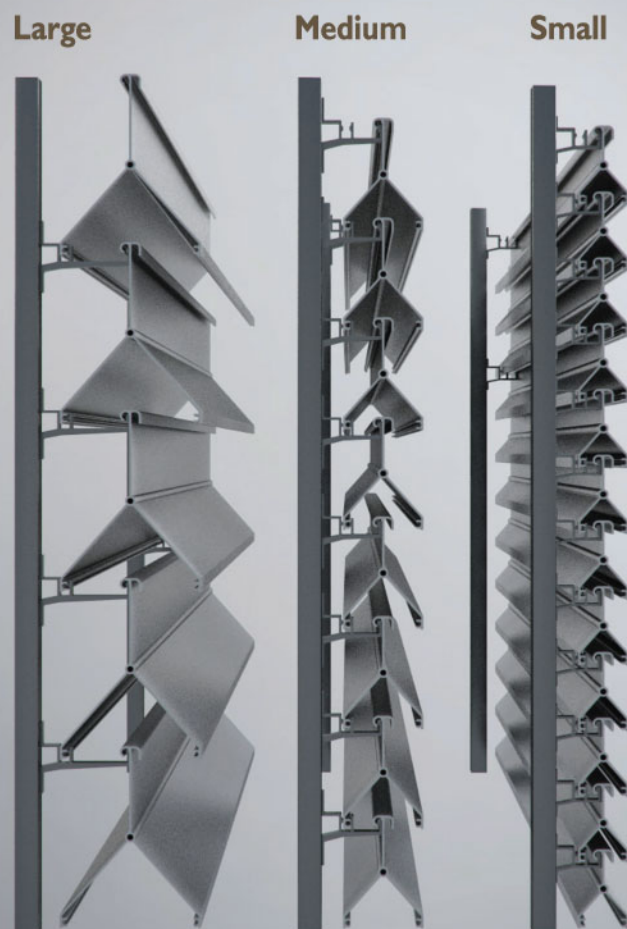
Water Penetration - The system's greatest feature is that while it is pumping air through the system and rain is falling with wind speeds of up to 100 km per hour, the system still prevents penetration of approximately 97.5% of the water.

Concealment - The ALC 1170 louver system completely conceals everything behind it, so that what is visible from the outside is clean and identical from any angle.

The ALC 1170 louver system can be installed in two main forms:

- 1. With a visible framework
- 2. With no framework at all

The system requires support points on an average of every 2,000 mm of cladding.



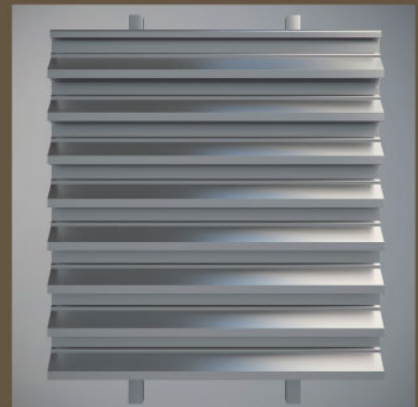


ALC 1170 LOUVER SYSTEM

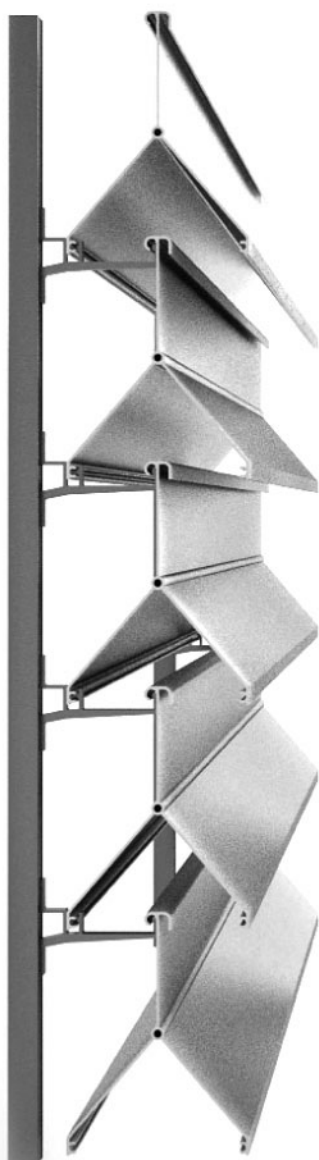
AS Aluminum cladding system

The ALC 1170 system is used for cladding buildings. It can be installed 80 cm from the wall, which allows existing external elements to remain in place. A large variety of colors can be used on the same wall. The system provides complete ventilation and prevents approximately 97.5% of the water from penetrating the building, even at wind speeds of up to 100 km/hour.

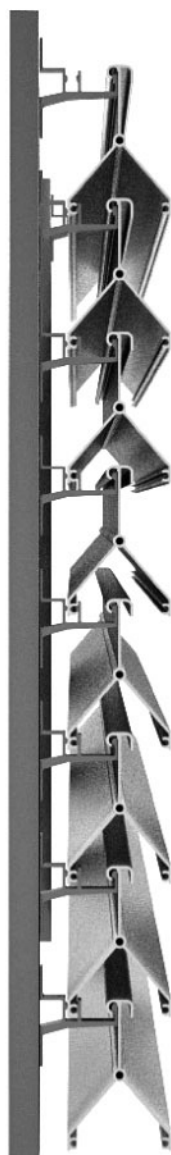
One of the system's outstanding advantages is that the rows of cladding can be seamless for up to 8.5 meters. This gives the walls clean lines and provides a unique seamless appearance, as well as high density.



Large



Medium



Small





