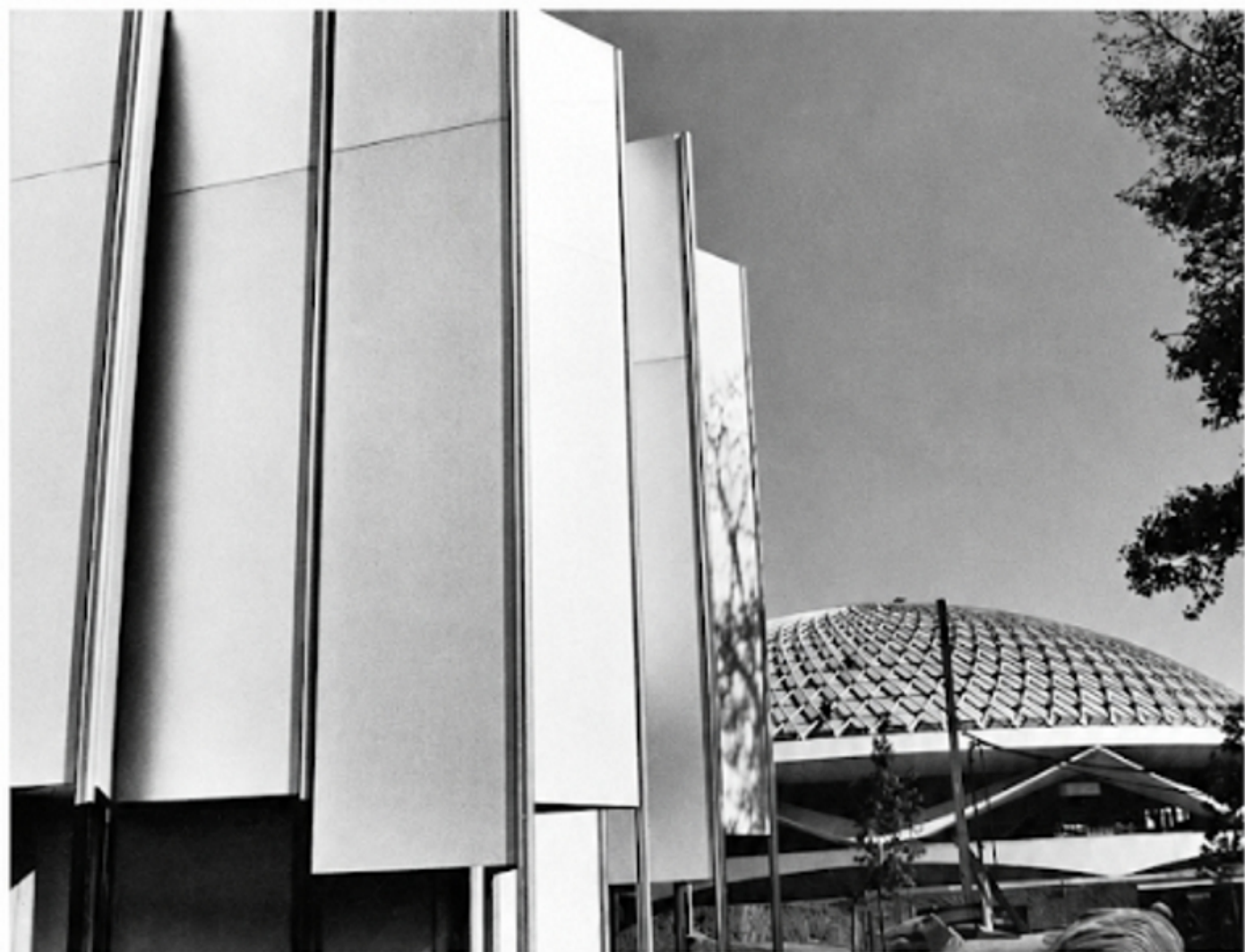




More than 1200 aluminum panels cover the exterior of the "Tower of Light" pavilion. The panels — actually an inner wall and an outer wall, with a core of insulating material — were made by Aluminum Co. of America.

'Tower of Light' Pavilion Covered with 'Sandwich-Type' Aluminum

A "SANDWICH-TYPE" of aluminum paneling—in effect an inner wall, an outer wall, and a core of insulating material all in one piece — covers the exterior of the investor-owned electric utility companies' pavilion at the World's Fair.

Manufactured by Aluminum Co. of America, the panels—called "Alply"—are in a natural "Alumilite" finish.

More than 1200 of these panels — up to 18 feet in length and just over 4½ feet wide — were used to cover the building. If laid end-to-end, they would extend for more than two miles, and represent one of the world's largest applications of Alply.

The "Tower of Light" designers and architects chose the Alply panels because of aluminum's reflective qualities, its adaptability to the radical design of

the tower, its light-weight, load-bearing features, outstanding insulating factors, and ease of erection and maintenance.

The revolutionary, circular Atomedic Hospital, which is serving as the official hospital for the Fair, also is walled with Alply. In this case, the aluminum sandwich panel permits the hospital to be easily shipped — even by plane — and quickly erected or dismantled.

Although only a few homes have been constructed of these panels, the potential is promising. A new development by Alcoa is the "snug seam" method of joining the panels by forcing a neoprene gasket between them. The joining action closely resembles zipping the panels together. The panels of the Tower of Light pavilion were joined by this method.