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TEMCOR TO BUILD INVERTED DOME TO TOP SWIM STADIUM

GARDENA, CA, July 12, 2007 -- Temcor has been awarded a contract to build a Temcor Aluminum Dome to serve as the roof for the new Yiwu Municipal Mei Hu Swim Stadium Complex in Yiwu, China. When installed, the 110m diameter Dome will actually be inverted over the stadium to a depth of 10 meters. It will be the first time in 40 years that Temcor has built a convex dome instead of the normal concave shape.

The dome is being inverted as a design element on the building. That inversion presents challenges different from that of a traditional installation. Instead of rain just running off the roof, it would collect in the dome's lowest point, so a drainage system has been designed to channel the water away. Similarly, the dome is outfitted with approximately 100 snow dams that will help to prevent snow from sliding to the center of the structure, and maintain a more uniform snow loading.

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The dome was built at Temcor's manufacturing facility in the U.S. and shipped to Yiwu ready-to-assemble onsite. It will be built in place from the supporting concrete wall which slopes from a height of 25.3 m above grade to a low point of 15.5m. There are 72 main dome connection points to the wall. Scaffolding will be used for a work platform.

As the dome's interior surface is not visible from the ground, due to its inverted shape, the exterior aluminum has a mill finish without an architectural coating or treatment. The interior will have an exposed structural frame with the panels being insulated with a bonded R-19 fiberglass insulation with white vinyl facing.

The dome was delivered to the site at the end of June and is scheduled to be complete by the end of September.

For this swimming stadium, aluminum's resistance to chlorine vapors, as well as its energy efficiency were important benefits that influenced the selection of the Temcor Aluminum Dome.

Temcor Aluminum Dome systems for architectural applications are in place world-wide as sports arenas, cruise terminals, planetariums, churches, and more. Temcor has been building aluminum domes and other structures for more than 40 years and has more than 7,000 installations throughout the world in industries as varied as water and wastewater treatment, petroleum, and bulk materials storage.

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