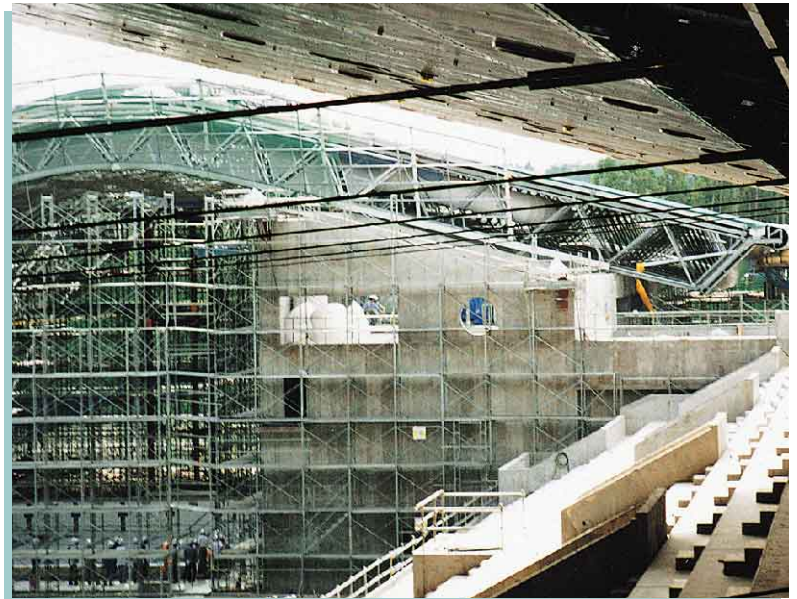


Best Use of CFCC's Physical Properties of Low weight, Low Linear Expansion

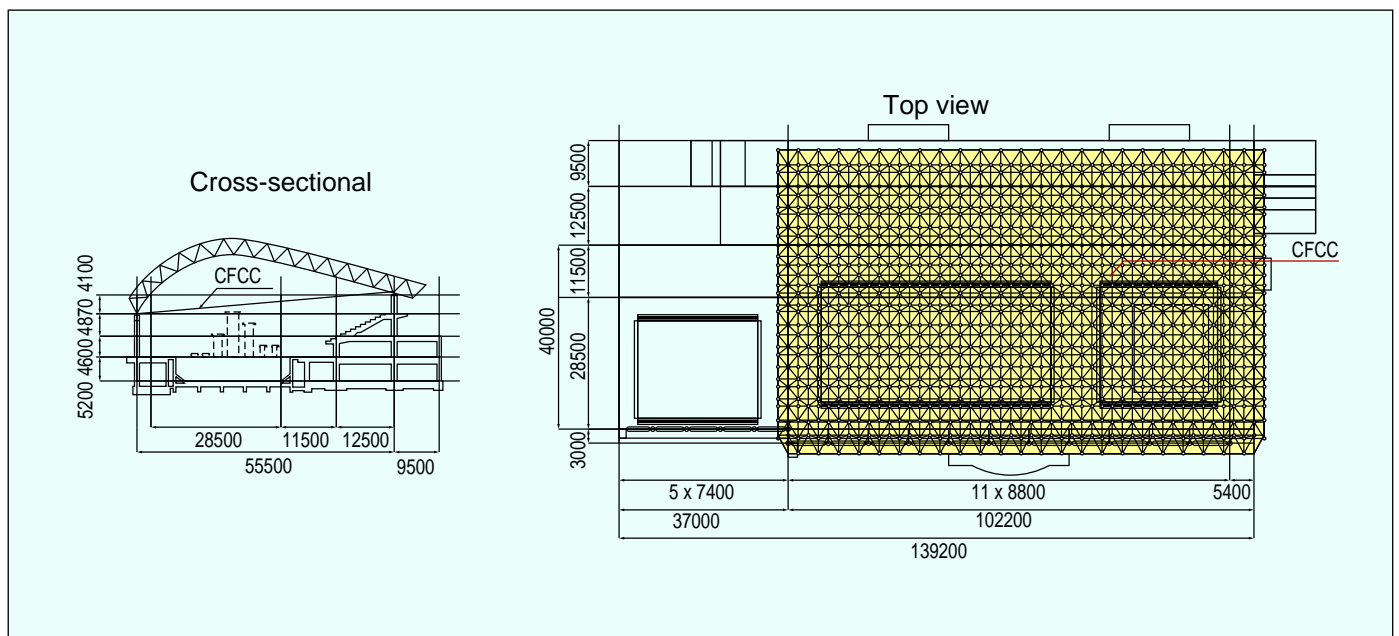
Temporary tendons supporting of the roof structure during erection for indoor pool

CFCC were used for temporary tendon in the construction of indoor swimming pools of Suzuka sports garden in Mie prefecture. The 16 CFCC temporary tendons were used to provide lateral support of the roof structure during erection. CFCC has many excellent features, such as lightweight, easy handling and no anticorrosion coating. In addition, CFCC's expansion coefficient is so low that extra loads are not put on walls supporting the roof.

Client	Mie prefecture
Location	Mie prefecture
Dimension	Structure Main pool: 55.5 m (span) x 102.2 m (girder) Sub-pool: 40 m (span) x 37 m (girder) Assembly parts Main pool: 12 blocks Sub-pool: 5 blocks
Material	Main pool: CFCC 1 x 19 ϕ 28 (11 rods) Sub-pool: CFCC 1 x 7 ϕ 12.5 (5 rods) CFCC U ϕ 4.2
Application	Lateral support tendons of the roof structure Floor reinforcement
Completed	April 1997



Drawing



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