OLYMPIC COMPLEX IN GOUDI

Badminton Building: The building is made partially of reinforced concrete and partially of structural steel. Apart from the foundation, which consists of a 60cm thick raft, the building's basement, spectators' bleachers, columns supporting the roof and shear wall surrounding the building were also made of cast in situ concrete.

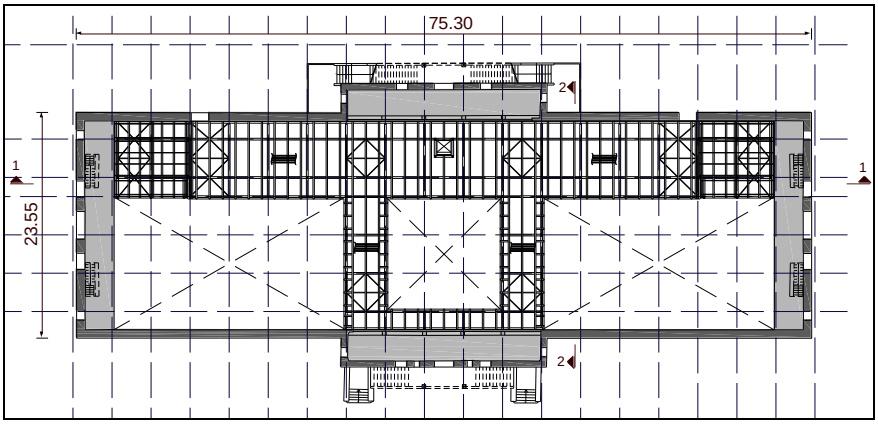
The roof steel structure consisted of 66.85m span curved plane trusses measuring 2.20m high and made of hollow tube sections. These roof trusses were supported by truss type columns 6.50m high. The total free height from the roof structure to the athletic field measured at 13.45m.

Depot: Our firm thoroughly investigated the structural integrity of the two preexisting masonry buildings.

Our analysis included finite element modeling of the masonry structural properties and the employment of appropriate failure criteria.

Swimming Pool: "KANON CONSULTING" designed both the expansion of the two-story building for the installations of the Municipality Swimming pool and the strengthening of the swimming pool. In addition, our firm also designed the implementation design for all the necessary subterranean works (water tanks, underground connections) to service the facility.

Equestrian Center Building: "KANON CONSULTING" developed the implementation design for the addition of a two-story, 75.30x23.55m steel building inside the already existing Arena building. The building is completely independent from the existing one.



Steel structure plan of the Equestrian Center addition building

Equestrian Center's building and competition field