

TREVISO – RACES CENTER

DESCRIPTION

The maximum dimensions of the building are 125 metres in length, 64.40 metres in width and about 17 metres in height above ground.

The main supporting system is formed by two variable section tubular profile trestles, that are spaced to form a pressure eliminated three hinged arch.

The trestles are supported from the vertex by a highly resistant cable tie beam and a reticular spatial suspended beam.

The secondary reinforced beams are connected to the external reinforced concrete structures and rest on the extrados of the longitudinal reticular beam; they are arranged transversally with 6 metre inter-axis and have a span of about 30 metres.

The roofing rests on the perimeter of the reinforced concrete transversal frames, spaced with the same inter-axis of the secondary beams.

Service Provided: Executive Structural Design

Client: CONI

Year: 1999

Surface: 8.000 m²

Amount of works: € 10.330.000,00

