Sheraton Hotel Swimming Pool & Fitness Centre Roofs

NUROL & ZEMAN

Background

An elegant, steel and glass canopy roof was achieved using SIN Corrugated Web Beams for the Sheraton Hotel & Congress Centre Swimming Pool and Fitness Centre in Kavaklıdere, Ankara.

Construction of the hotel fitness centre roof commenced in November 2005 and was completed in December 2005. Work on the swimming pool roof commenced in February 2006 and was completed in 2 months. The fitness centre and swimming pool each comprise a floor area of 650m^2.

Project works included design, fabrication and erection of approximately 60 tons of SIN beams for both structures.

↘ Project Summary

Client:	Turser Turizm ve Ticaret A.Ş.
Duration:	November 2005 - April 2006
Value:	€137,000 + VAT
Floor Area:	1,300m^2
Quantities:	58ton Structural Steel
Project Scope:	Design, Fabrication, Delivery & Erection of Structural Steel

Features

Roof systems for both projects are composed of arch beams with tension rods in the short direction and are connected by pressure purlins and in the longitudinal direction.

The new roof system was built on existing concrete columns. The arches span approximately 18 meters whereas the building has a length of 45 meters.

Benefits

The Sheraton Hotel Fitness Centre and Swimming Pool roofs both illustrate that aesthetically appealing, elegant architectural solutions can be achieved using SIN corrugated web beams.

This non-industrial application of a typically industrial building element is an excellent example of the possibilities that can be achieved using design initiative.

Further Information

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Fitness Centre Roof

Swimming Pool Roof

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