



METROPOL PARASOL CONSTRUCTION OF A TIMBER STRUCTURE

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Summary

The Project involves the redevelopment of a 30.000m² plaza in the heart of Sevilla (España) so as to integrate a traditional market and a museum. The main element of the building is a huge 3D timber structure spanning 50m and rising 25m, called Parasol. Its changing geometry evokes the shape of giant mushrooms that provide shade to the overall plaza. The structure elevates and closes back onto itself allowing the creation of interior spaces to locate a restaurant. A walkway runs on top of the parasol above the city skyline providing superb views.

Keywords: Organic, timber, joints, organization, adaptation, stiffness, singularity, glued-in bars, polyurethane and maintenances.

1. Project overview

1.1 Architectural uses

Architecturally the project has the following levels (*Fig.1*):

Plaza 0: Archaeological level.

Plaza 1: Level of traditional grocery market and the Plaza de la Encarnación including the side streets.

Plaza 2: High level Plaza.

Place 3-4: Level of umbrellas (“parasoles”), with panoramic Café and viewpoints.

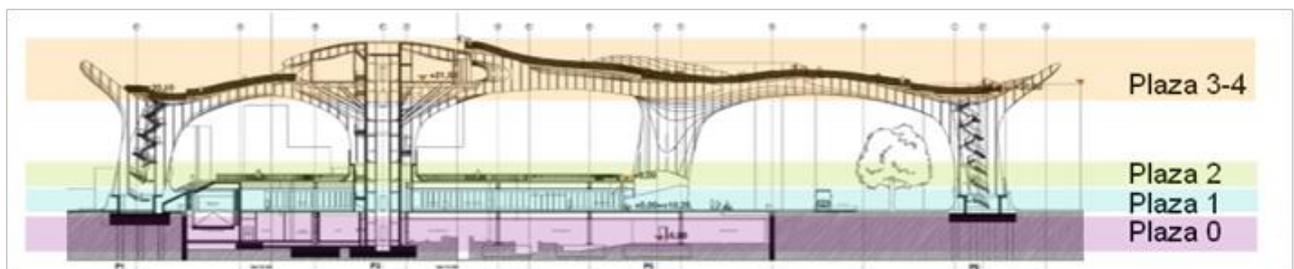


Fig.1: Longitudinal section