RUINS OF THE CHURCH OF SAN PEDRO

PROJECT DESCRIPTION

This project aims to create a space protected from the rain in the Church of San Pedro in Viana. The Dome of said church no longer exists, which means that the rain, wind and sun come in from the top. A protected space is achieved under the dome by the installation of the 2-layer ETFE cushion, where events such as the “Prince of Viana” 2019 prize-giving ceremony can be held.

The substructure is a polygonal ring beam of 12 equal sides (dodecagon), 1.615 m per side; said substructure holds the aluminium (also a polygon of 12 equal sides) upon which the perimeter of the cushion of 2 layers of inflated ETFE is fixed.

The membrane chosen is transparent ETFE of 250 microns.

CHARACTERISTICS

Material	ETFE Film
Application	Skylights
Surface	29,2m²
Location	Viana, Navarra
Architect	Atelier Lopezneuraciaurri Arquitectos
Year	2019

TECHNICAL DATA

The metal structure is built out of tubular profiles with joints bolted on site. The ETFE is transparent to allow the passage of light while guaranteeing the watertightness of the unit. A cable mesh has also been added to strengthen the membrane at the bottom.

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