

C06 CHURCH IN SESTO S. GIOVANNI**WINNING PROJECT – DESIGN COMPETITION**

This new Church features a mix of concrete and steel structures. The main hall is surrounded by concrete frames and walls, while the roofing is made of composite truss-beams.

There is an underground hall also, covered by composite I sections that bear the main hall floor.

The original project foresaw precast post-tensioned, white concrete beams for the roof and underground hall covering, to be left in sight. The change to composite structures was made on request of the Client due to cost constraints.

The entrance façade is made of a complex, free-form concrete wall system.

Ground conditions made necessary to design a jet-grouting consolidation system and some provisional micro-pile diaphragm for the execution of underground volumes.

Client: Arcidiocesi di Milano

Architect: Prof. Arch. Cino Zucchi

Contractor: Frigerio Appalti S.p.A.

Construction year: started in June 2007 – Structural works ended Nov. 2008

Value of the structures: 1.050.000 €

Services supplied: Preliminary, detailed final design, site supervision (structures)



