

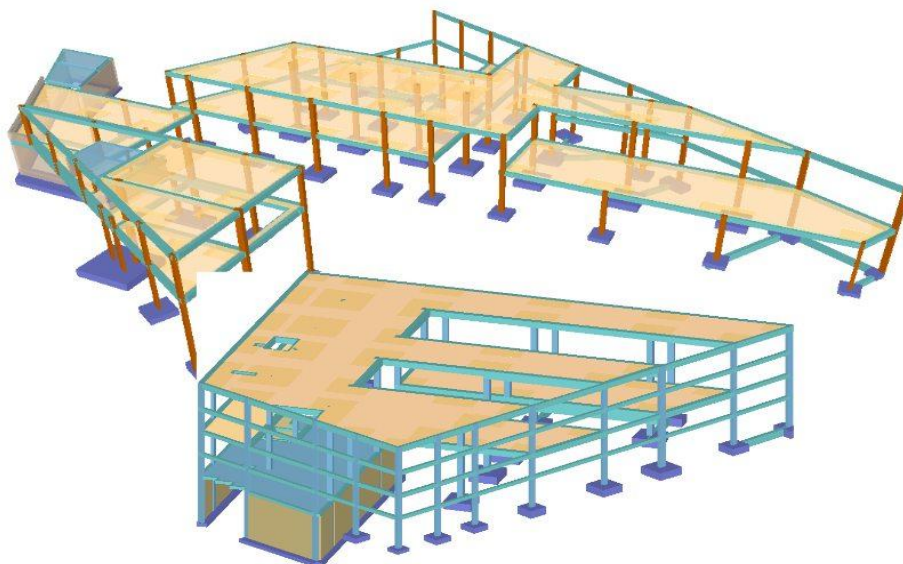
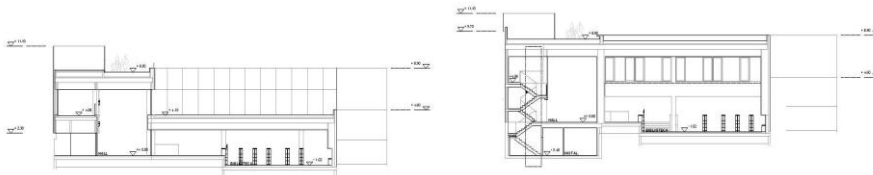
Structural engineering for Rivas City Library



JOB	0624
P.O.	Rivas Vaciamadrid, Madrid. Spain
LOCATION	ARV Arquitectos
CLIENT	5,900 m ²
AREA / LENGTH	4,071,000 € 318,406 €
GLOBAL BUDGET (OF THE TASKS UNDERTAKEN)	Foundation and structural engineering project
TASKS UNDERTAKEN	2006
DATE	
DESCRIPTION	
PROJECT DATA	

The idea of the architectural project is to centralize different municipal libraries in the town of Rivas Vaciamadrid in one main building that serves also as an exhibition centre and for multiple cultural purposes.

The project has two phases. Phase I consists of constructing the library and the office area. The roof is projected to be used as a park, where different areas of parks and gardens are located. Due to the heavy roof loads, it is projected a grid slab of 40+10 cm thickness with removable form has been projected. The office area uses a one way precast concrete slab of 25 + 5 cm thickness.



Foundation.
Cast in place footings.

Structure.

Reinforced cast in place concrete structure.

One-way precast concrete slab, cast in place grid slab 40+10 with removable form.

