



# EL Corte Inglés Shopping Center

Pamplona, Spain / 2005

Structural type  
Owner  
Client  
Scope  
Architect

solid slab and prestressed singular elements  
El Corte Inglés  
El Corte Inglés  
detailed design and construction support  
Julián González (El Corte Inglés)



El Corte Inglés in Pamplona has been constructed in the centre of the city on a plot of land between the streets Estella, Tudela, García Ximénez and Yanguas y Miranda.

It is a 15 storey building, 6 of which are below grade and covers a surface area of approximately 63,000m<sup>2</sup>. The 85.0 x 55.0m<sup>2</sup> basement floors are destined to car park use and for the supermarket whilst the 75.0 x 50.0m<sup>2</sup> ground and upper floors are for the different departments and office facilities.

This structure follows the philosophy advocated by FHECOR to design joint-free buildings.

For the excavation of the building, Ø 0.70m pile walls anchored at two or three levels have been employed, whilst at the access points Ø 0.35m piles have been used.

The foundations have employed isolated footings set upon the excellent tufa (a type of limestone) which is found in this area.

The structural solution offered for the slabs is with solid reinforced slabs, 0.30m deep, resting on concrete columns set out on an 8.0m x 8.0m grid layout.

An outstanding element which is worthy of mention is the staircase which runs between the first floor and roof level, which rises, without intermediate supports, over a 9.20m cantilevered element. For the start of this staircase on the first floor, prestressed beams and slabs have been designed.

From the roof level to the attic level the perimeter columns are set back so as to resolve their transition employing reinforced concrete elements balanced between one another.



C/ Barquillo 23, 2º | 28004 Madrid | España  
T. (+34) 917 014 460 | F. (+34) 915 327 864  
[www.fhecor.com](http://www.fhecor.com) | [fhecor@fhecor.es](mailto:fhecor@fhecor.es)