Multi-purpose Building University Hospital of A Coruña (CHUAC)

Ficha técnica

Location: A Coruña (Spain)
Client: Pinearq, Vázquez Muiño y Monteoliva
Scope of work: Structural design
Constructed area: 150.000 m2
Architecture Project: Pinearq, Vázquez Muiño y Monteoliva
Property: SERGAS
Year of completion: 2022-Actually
P.E.M (Structure): N/D

Descripción

The new A Coruña University Hospital Complex (CHUAC) is an extension of the existing and, at the same time, the transformation that gives rise to a single new building.

The complex will have a main lobby that will give access to both the existing building and the future facilities, which will be adapted to the landscape and will have several green areas. The facilities will also include an outpatient clinic, auditorium, chapel, and cafeteria with terrace.

Qube has carried out the structural design of the multi-purpose building.

It is a concrete building with 16 floors and roof, which is designed for various uses.

The floors from N+0 to N+5 are destined to areas for installations (hydraulic, electrical, air conditioning, etc.) together with warehouses, service and administrative offices, meeting rooms, and work rooms (on Level N+4 is the staff access area). Level N+6 houses the hotel's access and reception, as well as offices, meeting rooms and security guards. Level N+7 to Niel N+12 is mainly for offices (on N+7 is the RAC room and on N+8 some smaller laboratories). The floors on levels N+13 and N+14 are used as hotel rooms. Level N+15 houses the air conditioning equipment and rooms, and the roof level N+16 will be used for maintenance work.

The floor slabs are supported by pillars, shear walls, and the retaining walls (which are located on the perimeter of the building at various levels up to level N+6).

The horizontal structure is made up of solid slabs, the depth of which varies between 0.30m and 0.40m. In some cases, flat beams or edge beams are included.