

81 UPNA Faculty of Health Sciences

Avda. Barañáin, s/n

2023

SPAIN Pamplona

Project developing

About

The building for the Faculty of Health Sciences is located next to the hospital of Navarra. The prism-shaped building is emptied inside, creating large courtyards at different levels with vegetation. The proposal is configured on the ground plan on a clear and invariable structural grid and around a mixed space. CLT panels are used for the horizontal and vertical structure of the building.

Aerial view.



Main façade infographics.
 Varquitectos+ Bryaxis



Agents involved

Architect	Varquitectos	Bryaxis arquitectos
Developer	Gobierno de Navarra	
Construction company	Unknown	
Structural engineer	Dasein	
Timber installer	Unknown	Timber manufacturer Unknown



Interior space infographics.
 VArquitectos+ Bryaxis



General

22 Height (m)	5 Floors above ground
16.454 Built-up area (m ²)	2.900 Ground floor area (m ²)
24.800.000 Budget (€)	1.507 €/m ²

Building use **Educational**



Interior space infographics.
 VArquitectos+ Bryaxis



Technical data

Post and Beam Structural system Bracing system **Concrete walls**

Timber products used

1 Concrete floors

4 CLT floors

Concrete-timber floors



Back façade infographics. Varquitectos+ Bryaxis



Construction timing

26 Months to complete the building

Weeks to build the structure



Wind actions

Terrain category IV

Area in which at least 15% of the surface is covered with buildings and their average height exceeds 15 m.

Slenderness

0,6



Back façade infographics. VARquitectos+ Bryaxis



First floor plan

Sustainability

Pinus radiata Wooden specie

1.157 Wood volume (m3)

Distance of transportation (km)

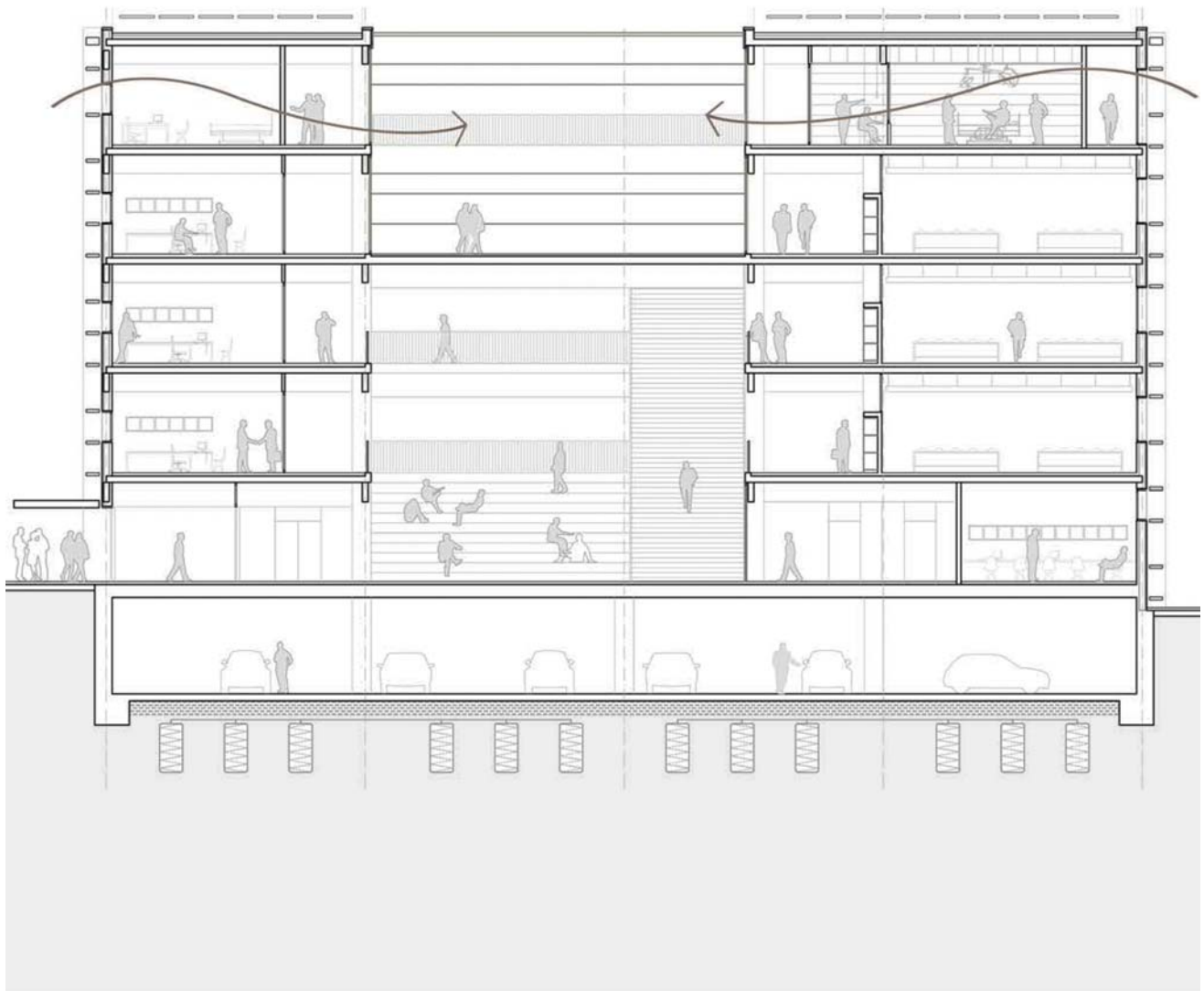
Percentage of structure made of wood

Potential CO2 benefit (t)

Special transportation needed

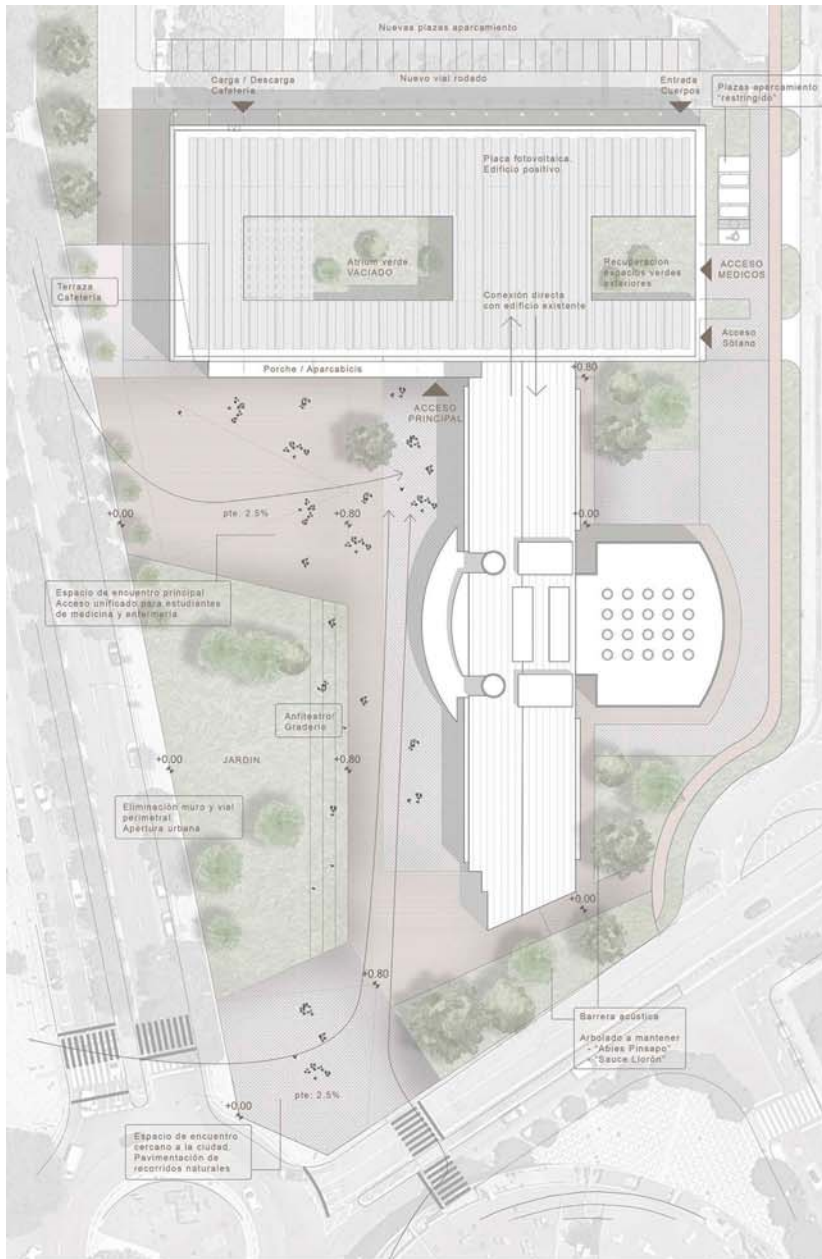


Back façade infographics.
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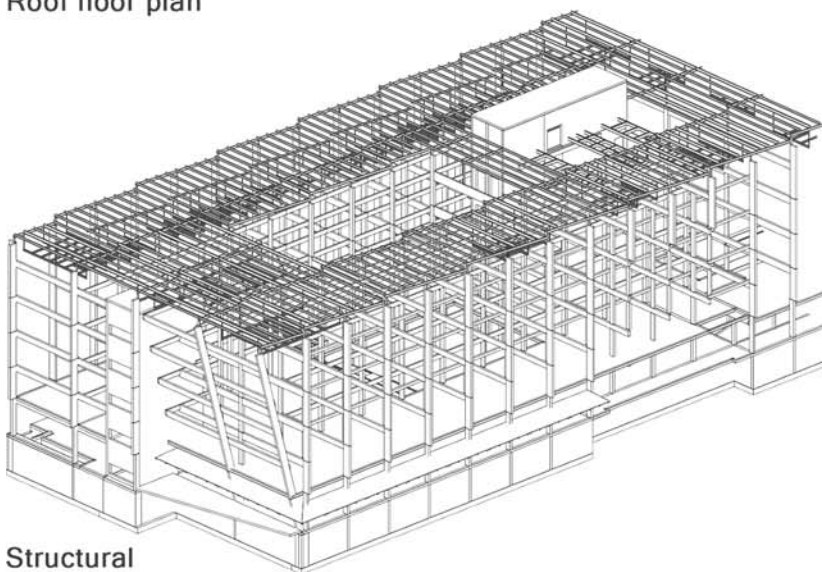


Cross section

0 1 2 5 10 m



Roof floor plan



Structural axonometry

References:

- VArquitectos+ Bryaxis. Online survey on 26.07.21.