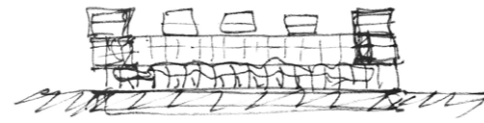


Faculty of Sciences of Education for US
University

Seville, Spain



Publication's title: Faculty of Sciences of Education for US
University, Seville
Typology: Education and Culture
Client: Seville University
Surface: 29.017 m²
Year: 2006-2010
Status: Built

REPORT

The need to host a multi-purpose program and to offer the most appropriate specificity and dimension to each of the uses, has generated the two superimposed layouts that organize the structure of the new building. On one hand, two four-storied buildings that have a cross-span of 19,50 metres spread along the longest side of the building site. The most representative uses are carried out there, the disposition of the classrooms creating a landscaped patio. Superimposed on this structure, there is a more arbitrary, two-storied structure with a 10-metres cross-span. The departments are situated in this other structure, which generates a shading element above the patio. The façade is continuous and is covered with a single material, thus providing unity to the whole.

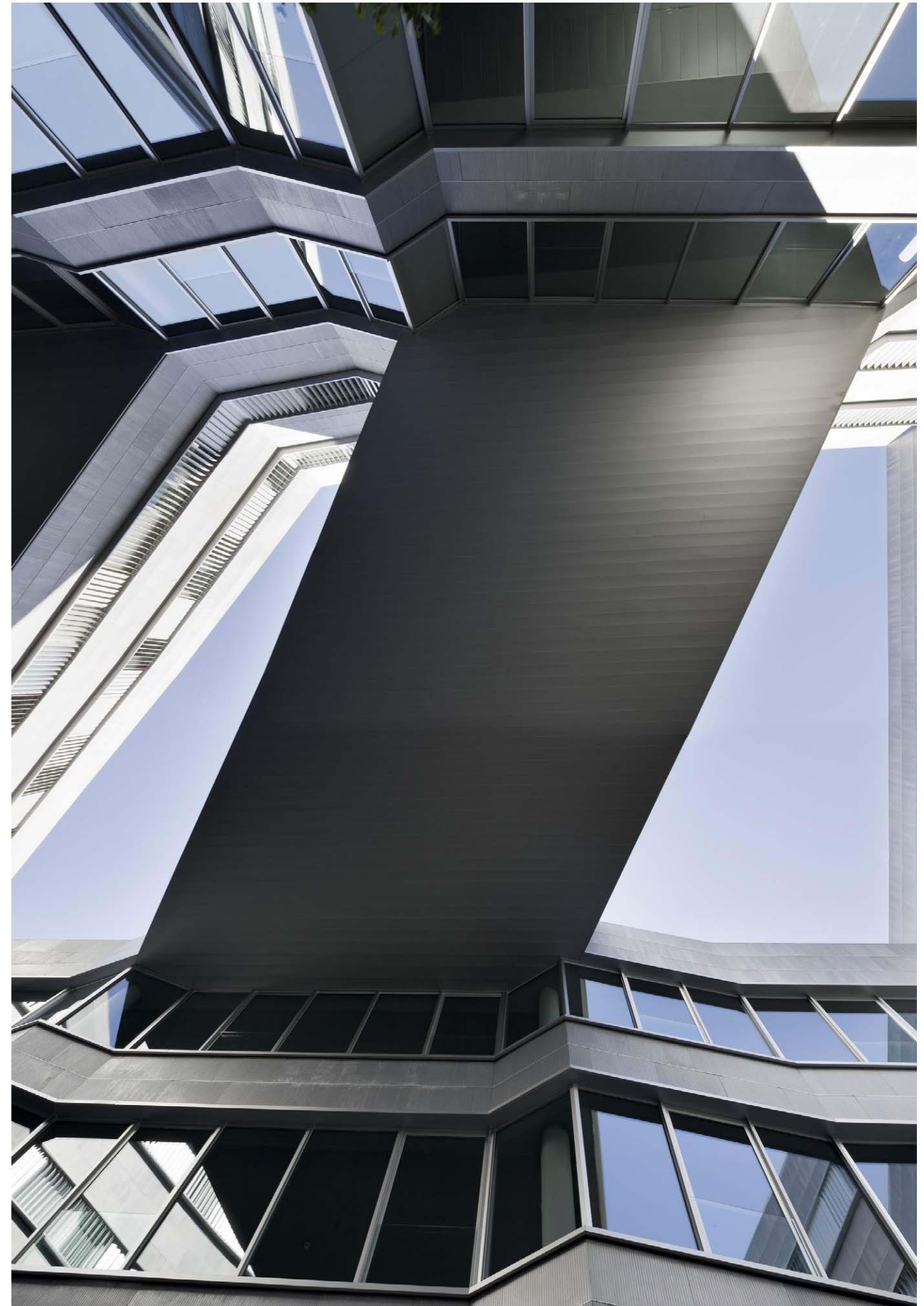
An easily-recognizable cross section and varied, volumetric features endow the building with a very singular character in consonance with its function as a public building and differentiate it from the neighbouring residential buildings.

Besides allowing a differentiated use, the contrasting disposition of the accesses generates a sort of diagonal tension among them that favours inside movement through the garden. Thus, the central patio turns into the bonding nexus and "heart" of the building.

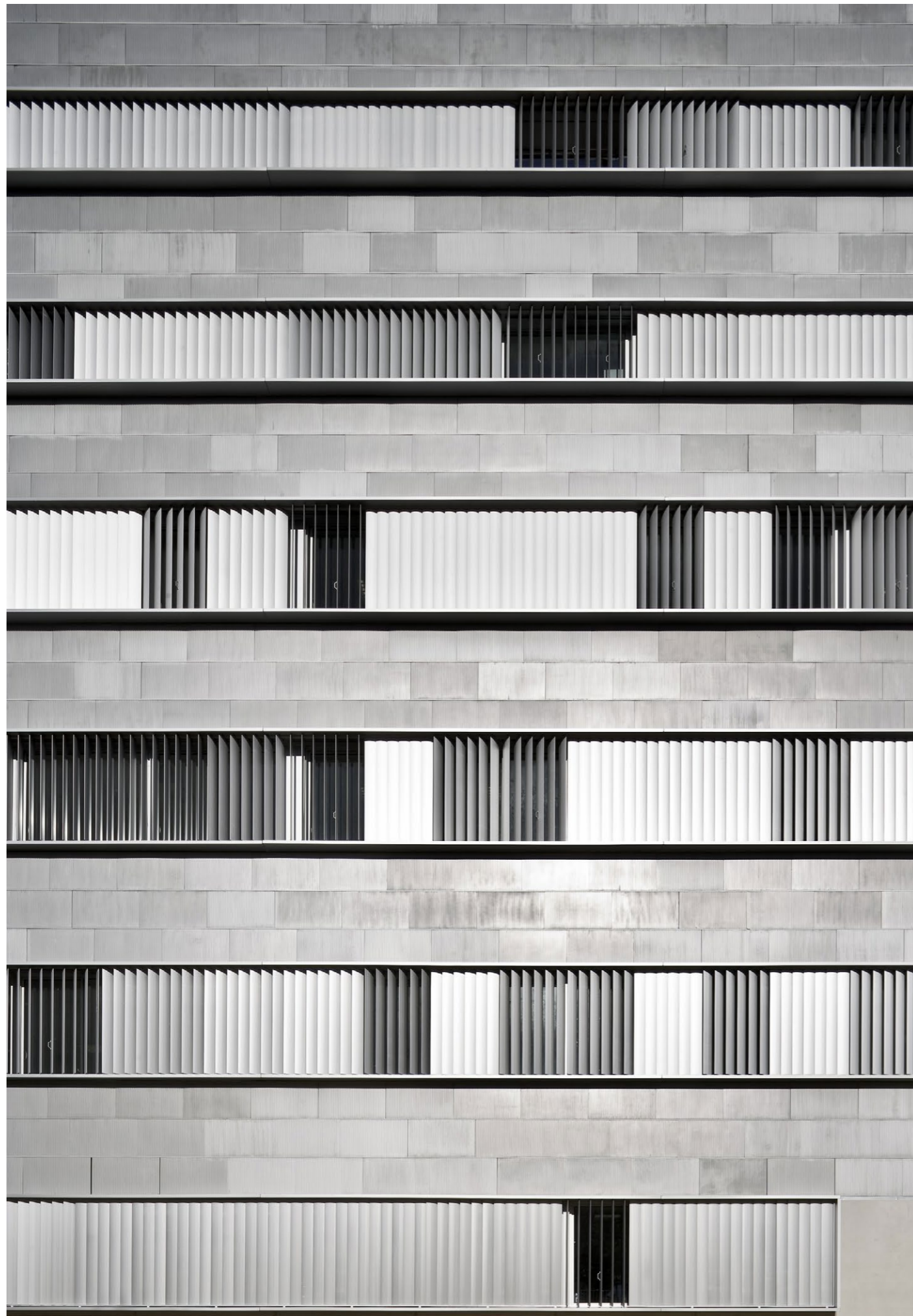


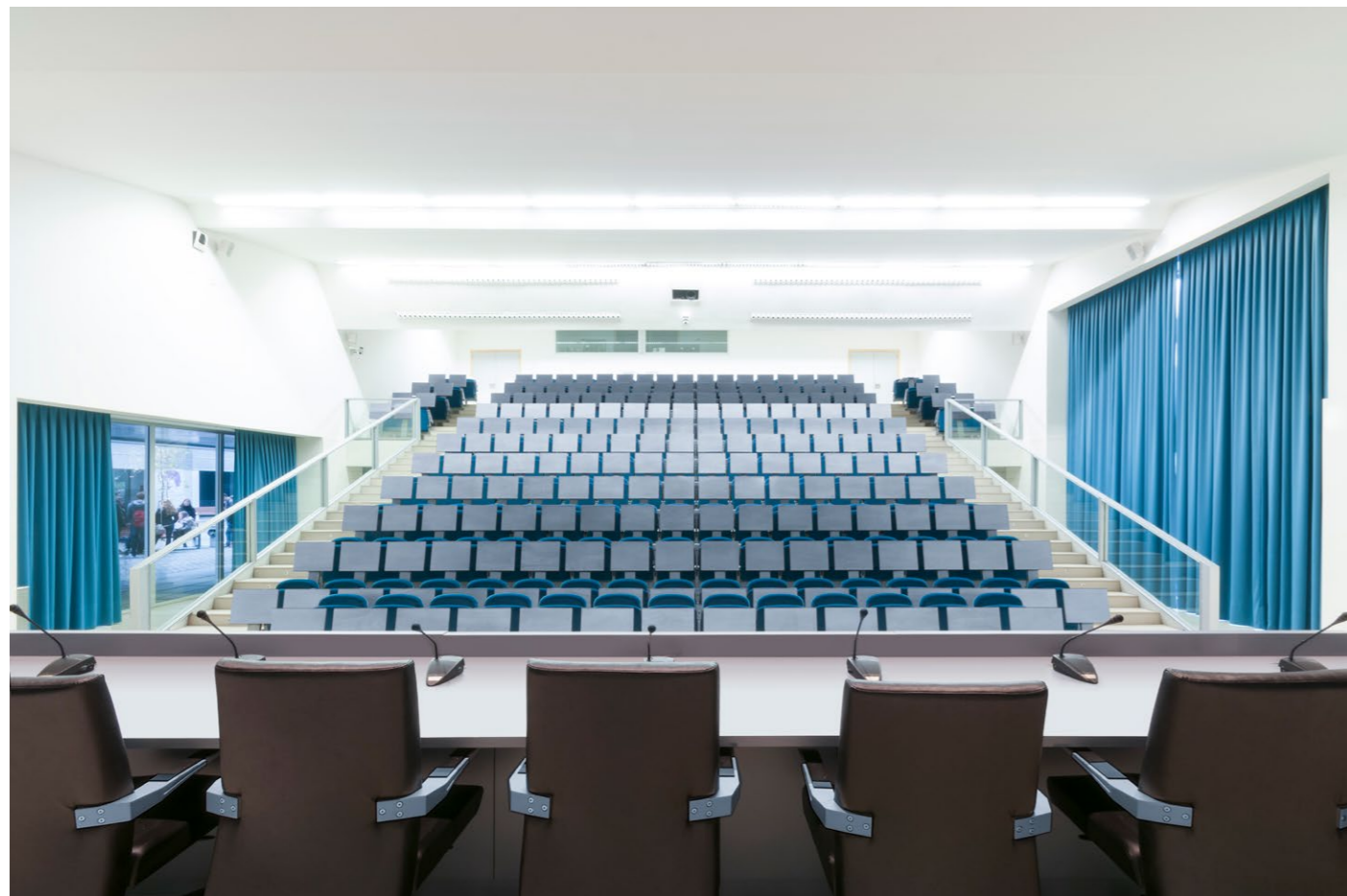


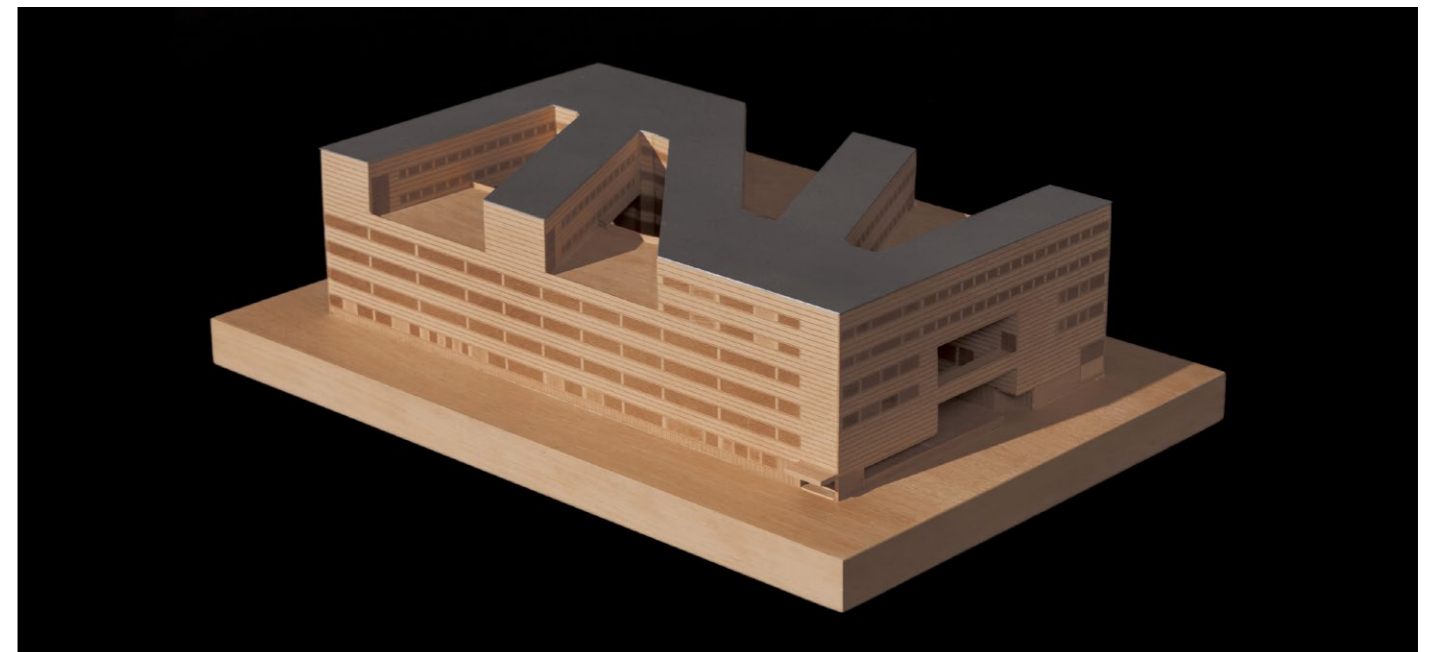
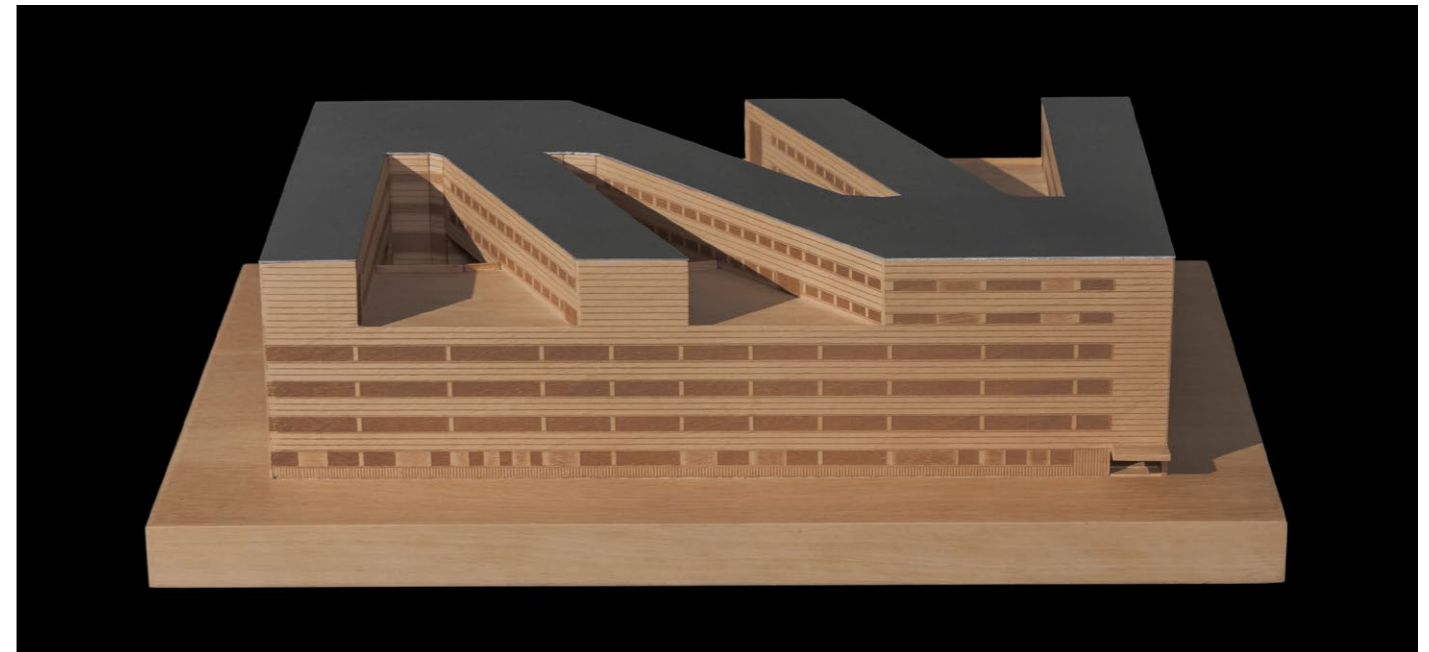


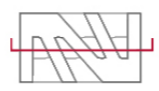
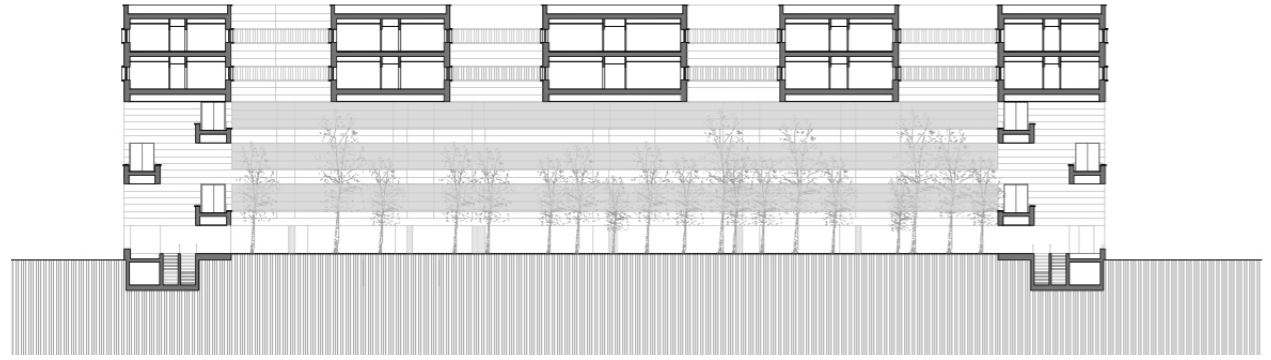
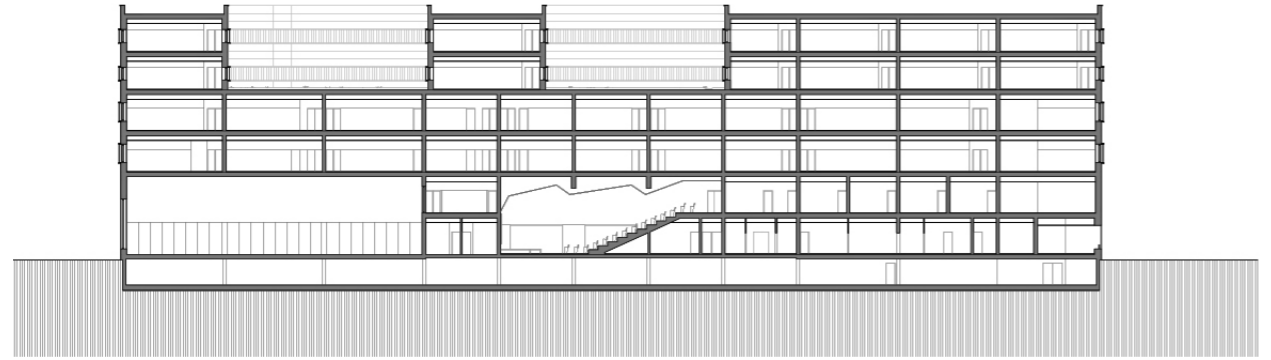
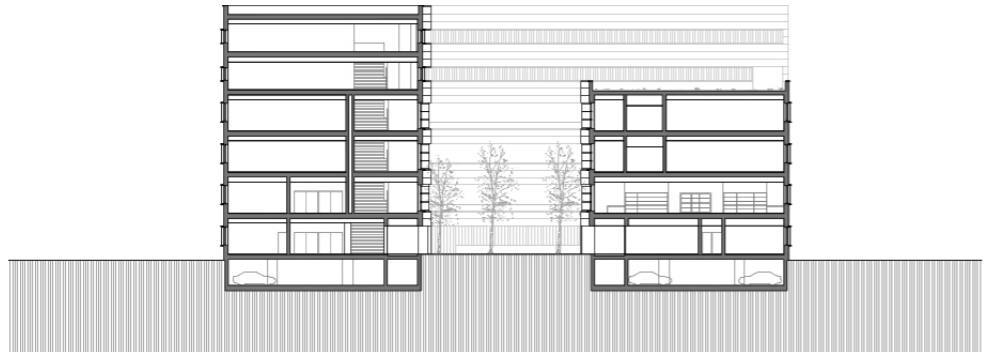






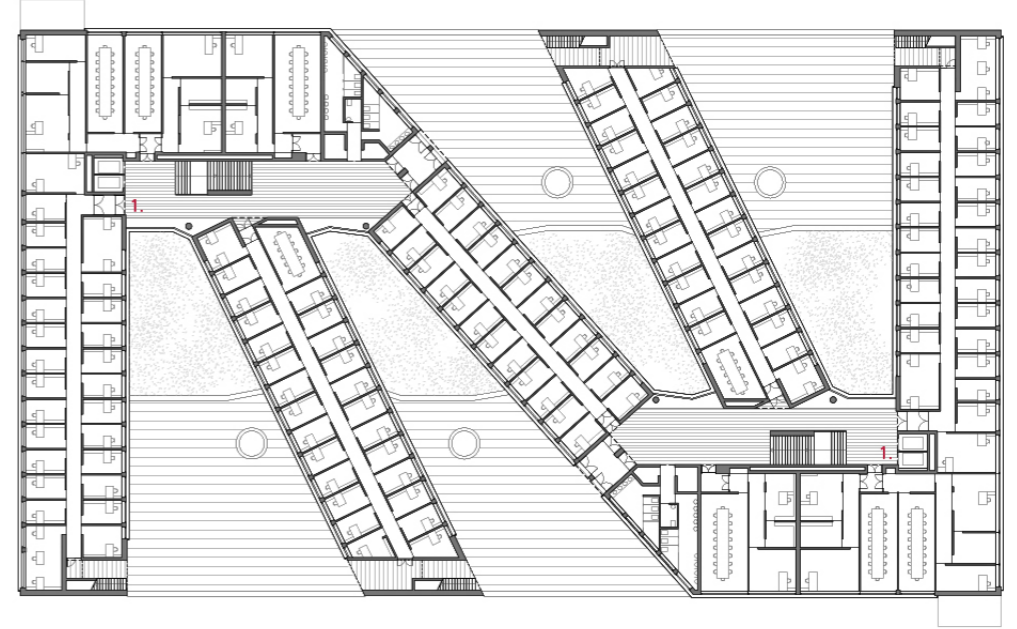




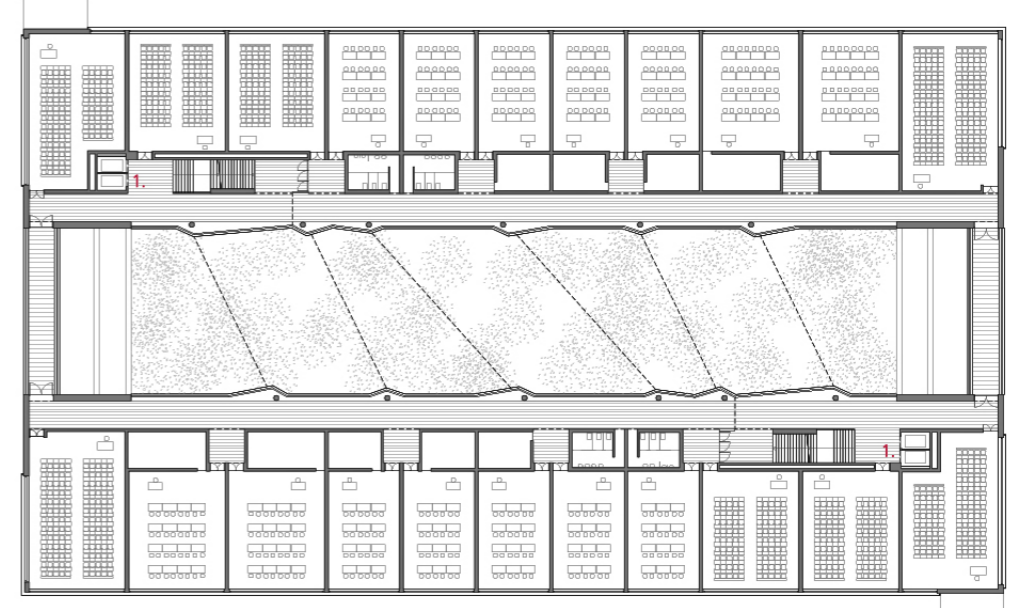


Sections

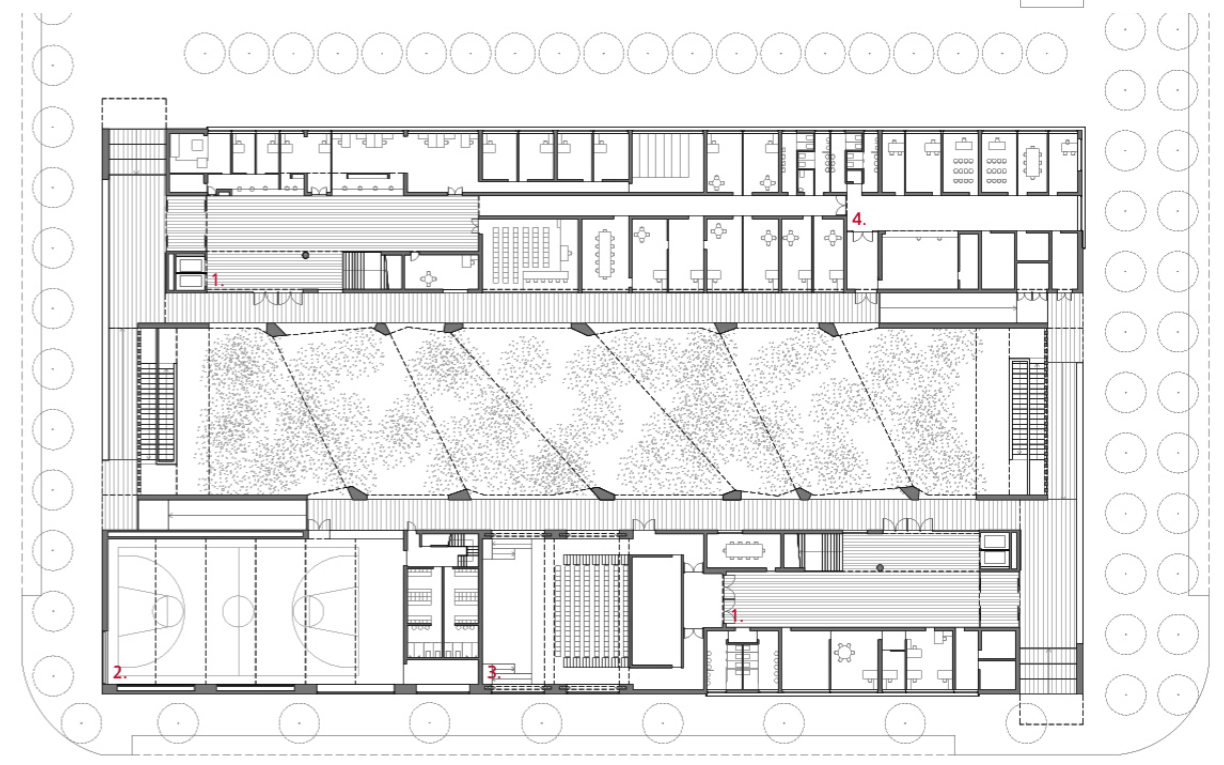
Fourth floor



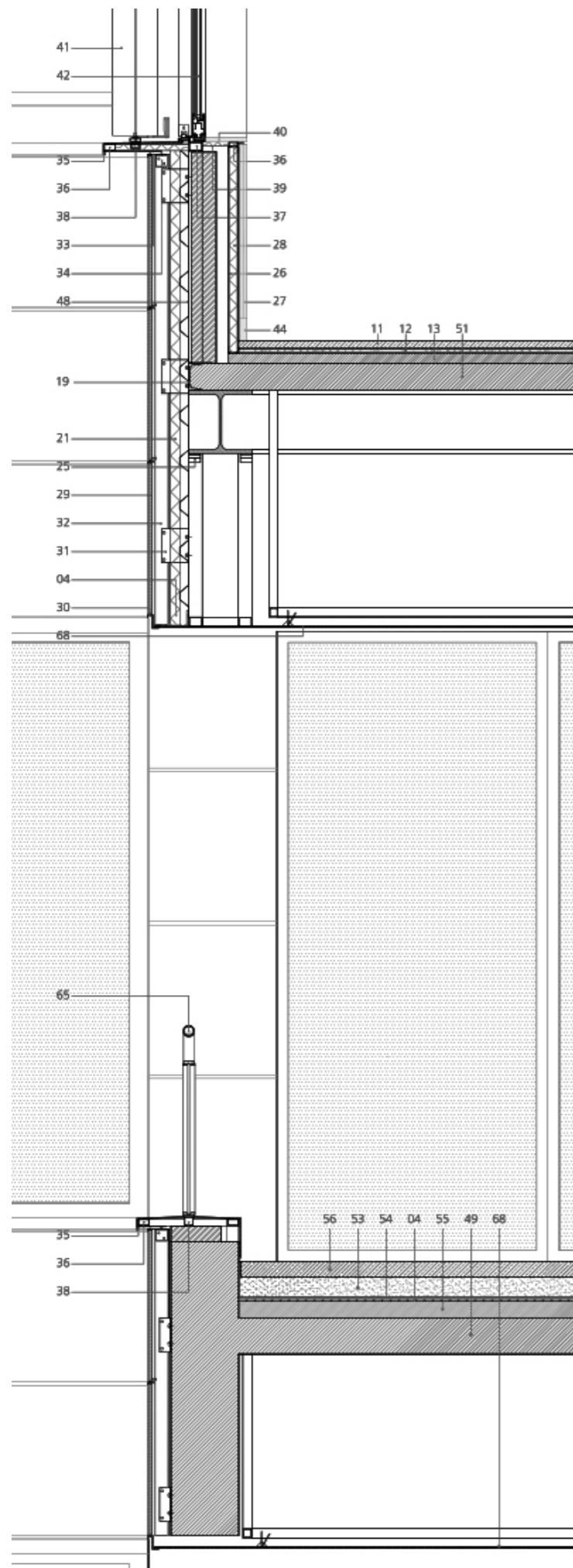
Second floor



Ground floor



Floor plans



- 01 Relleno de suelo seleccionado compactado
- 02 Base de arena
- 03 Pavimento exterior de calle
- 04 Doble lámina impermeabilizante de betún modificado de e=4mm
- 05 Doble lámina impermeabilizante protección de geotextil
- 06 Delta drain con protección de lámina geotextil
- 07 Solera de hormigón de limpieza de e=80mm
- 08 Lámina de polietileno
- 09 Capa de zahorra compactada de e=200mm
- 10 Pavimento de hormigón fratasado
- 11 Pavimento de terrazo de e=35mm
- 12 Mortero de agarre
- 13 Mortero aligerado sobre arena e=20mm
- 14 Zócalo de terrazo enrasado con cartón yeso
- 15 Zócalo de panel fenólico e=8mm enrasado con cartón yeso
- 16 Angular metálico para sujeción de prefabricado de hormigón
- 17 Panel prefabricado de hormigón e=80mm
- 18 Pletina de acero
- 19 Perfil en U de 120mm
- 20 Cámara de aire ventilada
- 21 Aislamiento de poliestireno extruido de e=40mm
- 22 Enfoscado hidrófugo
- 23 Perfil PNL 60.6 vertical
- 24 Fábrica de ladrillo perforada de 1/2 pie de espesor
- 25 Perfil PNL 60.6 para fijación de estructura vertical
- 26 Montante estructura autoportante de tabiquería cada 400mm
- 27 Trasdosado de placa de yeso laminado e=15mm
- 28 Aislamiento de lana de roca de espesor variable
- 29 Panel de hormigón polímero
- 30 Perfil guía para panel sujeción
- 31 Anclaje de estructura de 120mm
- 32 Estructura de montantes verticales 60x40x2
- 33 Perfil superior para panel sujeción
- 34 Soporte angular para panel sujeción
- 35 Remate de aluminio composite de e=4mm
- 36 Perfil tubular de 30x50x2mm
- 37 Perfil tubular de 40x60x3mm
- 38 Perfil tubular de 20x40x2mm
- 39 Aislamiento de poliestireno extruido de e=30mm
- 40 Tablero de DM lacado en blanco de e=20mm
- 41 Celosía de lamas verticales orientables de 300mm
- 42 Carpintería corredera de aluminio con acristalamiento de e=6/12/6mm
- 43 Carpintería fija de aluminio con acristalamiento stadip e=4+4/12/8mm
- 44 Perfil tubular de 50x100x3mm
- 45 Tablero de conglomerado de madera e=35mm
- 46 Falso techo de cartón yeso de doble placa
- 47 Estructura vertical de perfiles tubulares de 40x60x2 cada 600mm
- 48 Chapa grecada de acero galvanizado de e=0.6mm
- 49 Estructura portante losa de hormigón
- 50 Estructura portante forjado reticular
- 51 Estructura portante forjado de chapa colaborante
- 52 Aislamiento ignífugo de protección de estructura metálica
- 53 Capa de grava de 20/40mm con e=60mm
- 54 Capa separadora antiadherente y antipunzonamiento de geotextil
- 55 Mortero de formación de pendiente de espesor medio e=80mm
- 56 Losa de hormigón de 600x400x70mm
- 57 Adoquín de hormigón 208x118x70mm
- 58 Pletina de e=5mm con sujeción de perfil en 'I' de 100mm c/500mm
- 59 Relleno de juntas con gravilla
- 60 Base de arena de e=40mm
- 61 Capa de grava de 20/40mm con e=100mm
- 62 Sustrato vegetal para plantación de vegetación tipo sedum
- 63 Membrana drenante e=11mm
- 64 Aislamiento de poliestireno extrusionado de e=50mm
- 65 Barandilla
- 66 Luminaria empotrada en pretil 250x230x95mm
- 67 Fábrica de ladrillo perforada e=1 pie
- 68 Chapa microperforada THU

CyO
Cruz y Ortiz
Arquitectos

TECHNICAL DATA OF THE PROJECT

Faculty of Sciences of Education for US University. Seville, Spain

MAIN DATA

Client: University of Seville
Address: C/ Pirotecnica, s/n. 41013 Seville, Spain
Type: Education and Culture
Status: Built

DATAS

Competition: -
Design of project: 2006-2007
Construction: 2007-2010
Implementation: 2010

SURFACES

Site: 5.407 m²
Main building: 27.757 m²
Other buildings: 1.260 m²
TOTAL: 29.017m²

PROJECT TEAM

Main Architect: Cruz y Ortiz Arquitectos
Collaborators: B. Sánchez, M. Zoido, G. Torres, I. Saldarreaga, O. García de la Cámara, A. Álvarez, Guillermo Torres

Local Architect: -
Interior design: -
Lighting design: -
Landscape architect: -
Restoration architect: -
Digital imaging: Cruz y Ortiz arquitectos
Model: Queipo Maquetas
Photography: Pedro Pegenaute, Fotowork (Maqueta)
Structural engineering: Calconsa XXI S.L.U.
Climate engineer: Electroansa, Tecysu
Building physics advisor: -
Fire safety specialist: -
Health and Safety: -
Urban planning: -
Survey: Cruz y Ortiz Arquitectos
Site control: Análisis de Edificación
Contractors: Brues y Fernández Construcciones



Structural Section

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