

instituto botánico en barcelona
 botanical institute in barcelona

Terrenos destinados para la construcción del instituto botánico anexos al Jardín Botánico de Barcelona en la montaña de Montjuic:

superficie del solar 8.180 m²

Relación de superficies de las distintas zonas que comprenden el área general de construcción del jardín botánico:

- superficie total del área: 141.398 m²
- superficie destinada a aparcamiento: 25.106 m²
- superficie de red principal de caminos: 20.337 m²
- superficie de plazas y lugares de descanso: 1.790 m²

Superficie de edificaciones:

- edificio de acceso: 171 m²
- área auxiliar: 344 m²
- edificio de mantenimiento: 210 m²
- área auxiliar: 1.361 m²
- superficie edificable del instituto botánico: 3.600 m²

Land for the building of the botanical institute next to the Botanical Garden, on the mountain of Montjuic in Barcelona:

surface area of the site 8.180 m²

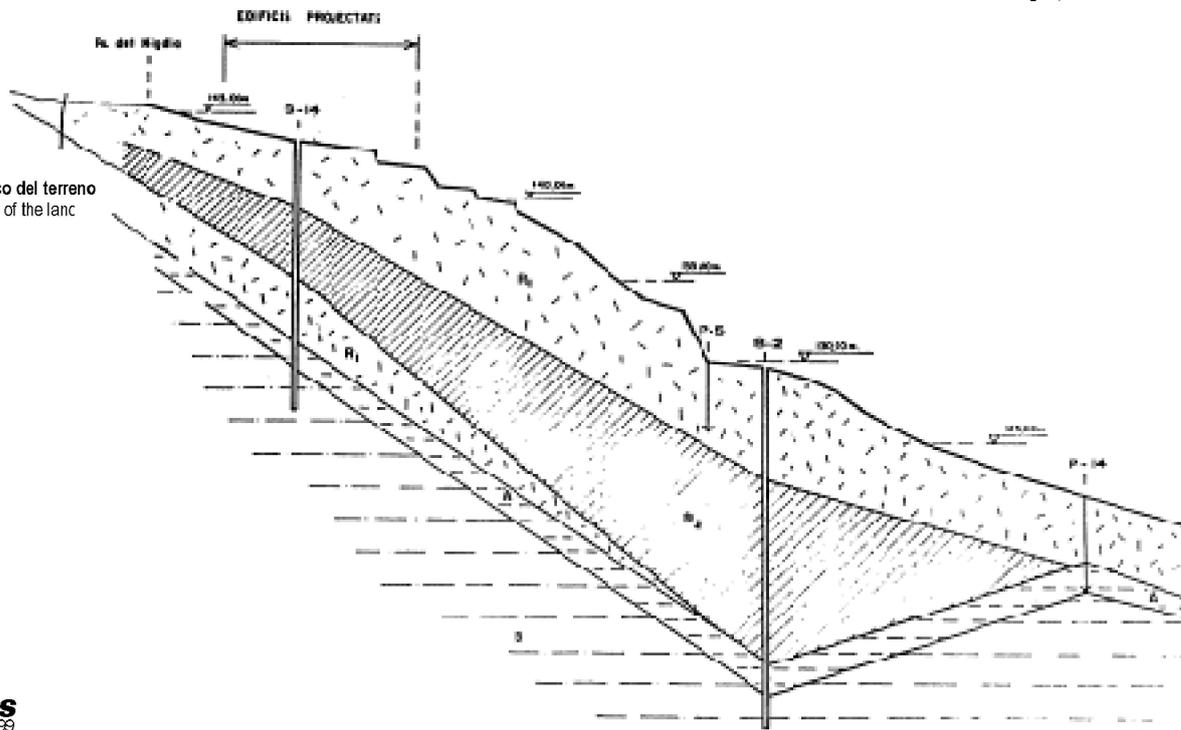
List of areas that make up the general construction area of the botanical garden:

- total surface area: 141,398 m²
- surface area for car parks: 25,106 m²
- surface area of the main road network: 20,337 m²
- surface area for rest areas: 1,790 m²

Building areas:

- access building: 171 m²
- auxiliary area: 344 m²
- maintenance building: 210 m²
- auxiliary area: 1,361 m²
- surface area for the botanical institute building: 3,600 m²

estudio geotécnico del terreno
 geotechnical study of the land





programme:

surface area of the botanical institute building:
 library and document archives: 120 m²
 deposit: 70 m²
 consulting room and librarian's office: 40 m²
 Salvador museum: 60 m²
 general administration and management
 herbarium
 deposit and consulting rooms: 450 m²
 preservation rooms and assembly room: 80 m²
 room for plant preparation: 15 m²
 laboratories
 photography: 20 m²
 cytology: 30 m²
 molecular: 40 m²
 refrigerators and freezers: 15 m²
 work offices: 240 m²
 assembly room and temporary exhibitions: 385 m²
 emeritus room: 15 m²
 computer services and copying: 20 m²
 bar with catering service, kitchen and store: 160 m²

Public restrooms are required on the ground floor. Employees will have their own restrooms. Transit areas and common services will have to be added to this surface area.

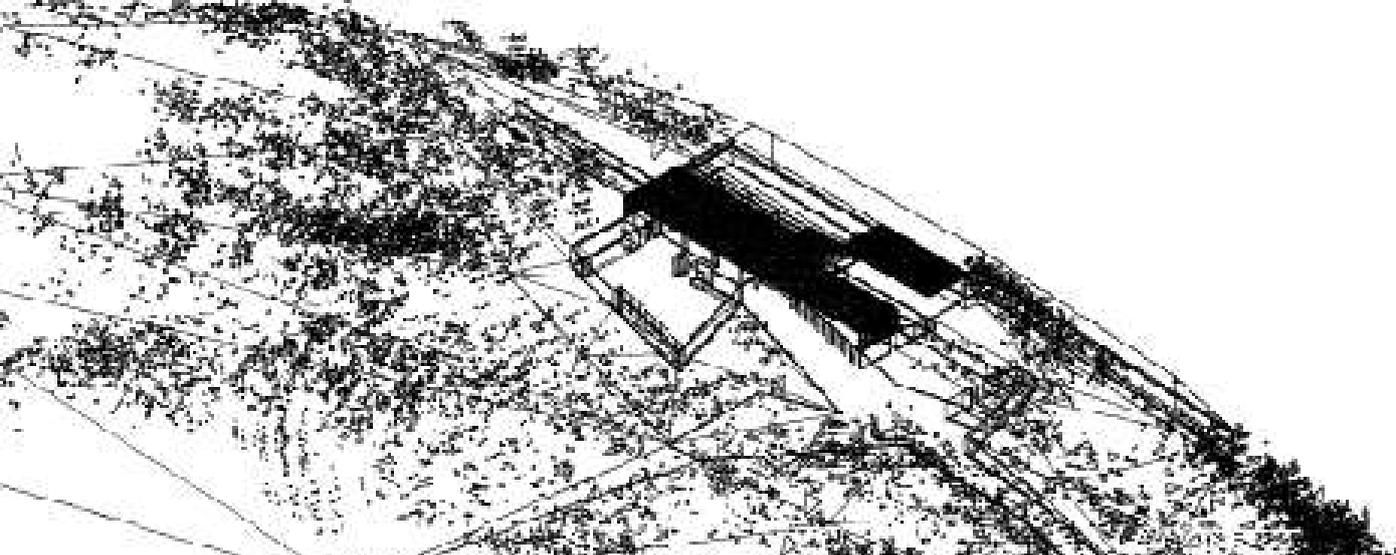
programa:

superficie del edificio destinado a instituto botánico:

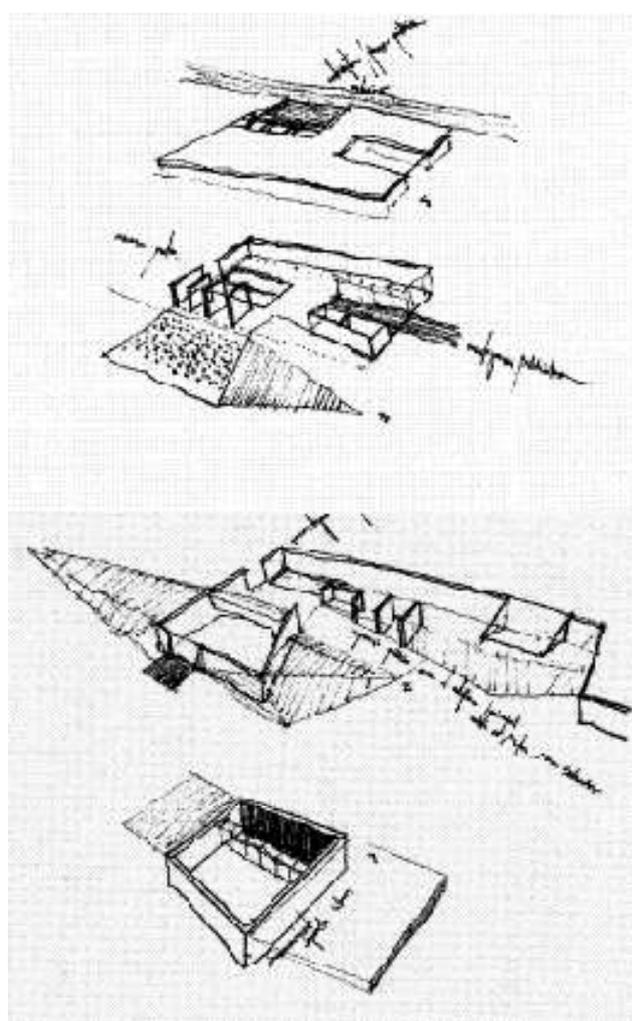
biblioteca y archivos documentales: 120 m²
 depósito: 70 m²
 sala de consulta y despacho bibliotecario: 40 m²
 museo Salvador: 60 m²
 administración general y dirección
 herbario
 depósito y consulta: 450 m²
 despachos conservadores y sala de montaje: 80 m²
 sala de preparación de plantas: 15 m²
 laboratorios
 fotografía: 20 m²
 citología: 30 m²
 molecular: 40 m²
 frigoríficos y congeladores: 15 m²
 despachos de trabajo: 240 m²
 salón de actos y exposiciones temporales : 385 m²
 sala de eméritos: 15 m²
 servicios informáticos y reprografía: 20 m²
 bar con servicio de catering, cocina y almacén: 160 m²

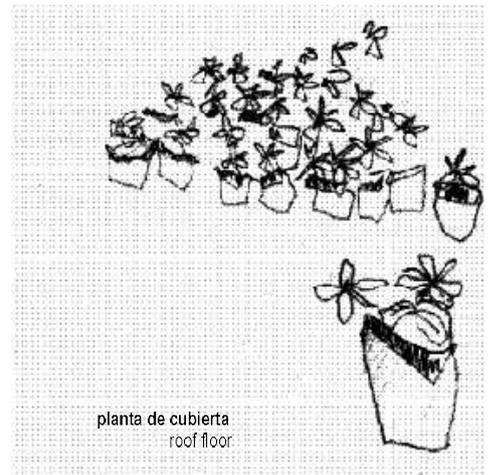
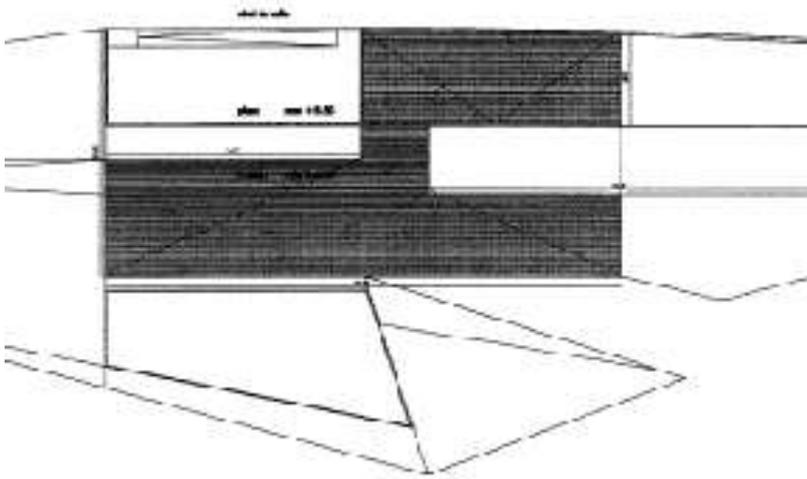
Se requieren unos aseos para ser utilizados por el público en planta baja. El personal del instituto tendrá sus propios aseos. A esta superficie se habrá de añadir espacios de tránsito y servicios comunes.



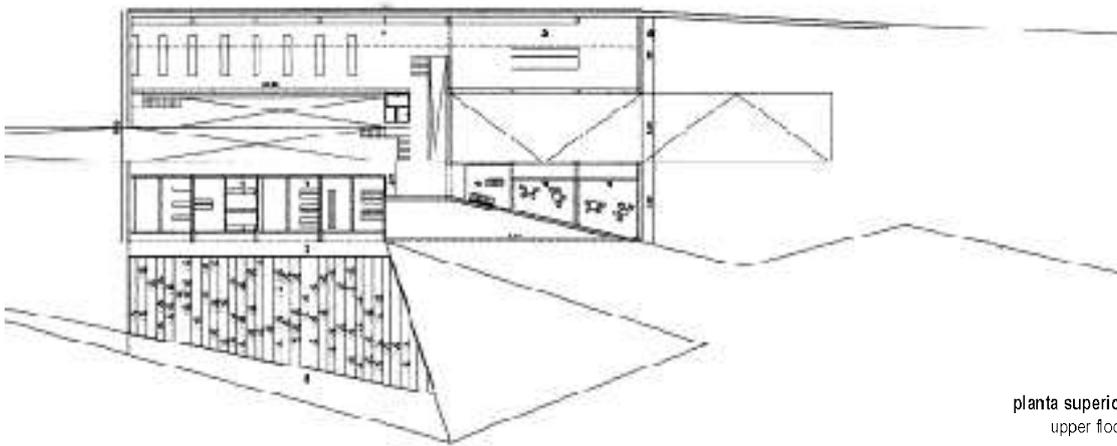


rubén a. alcolea

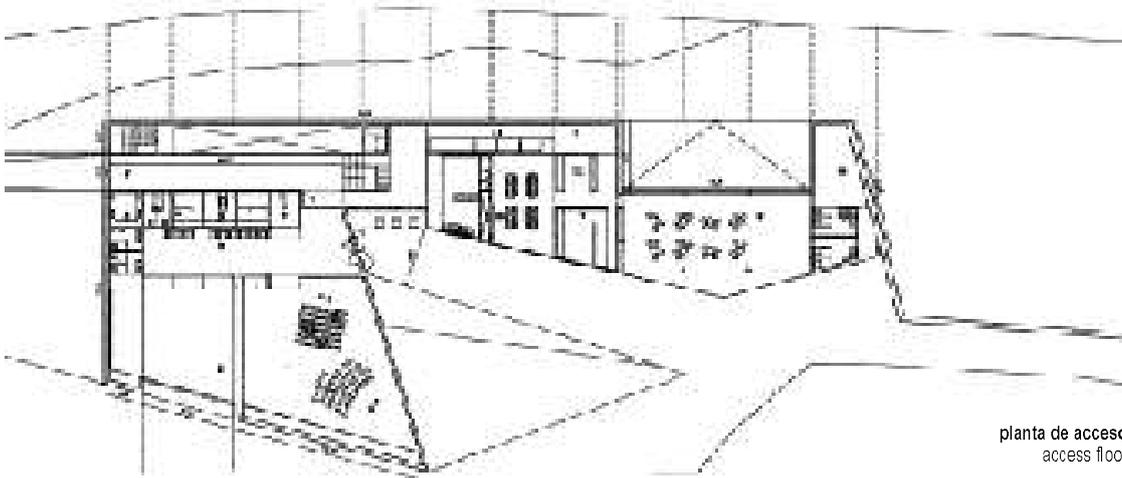




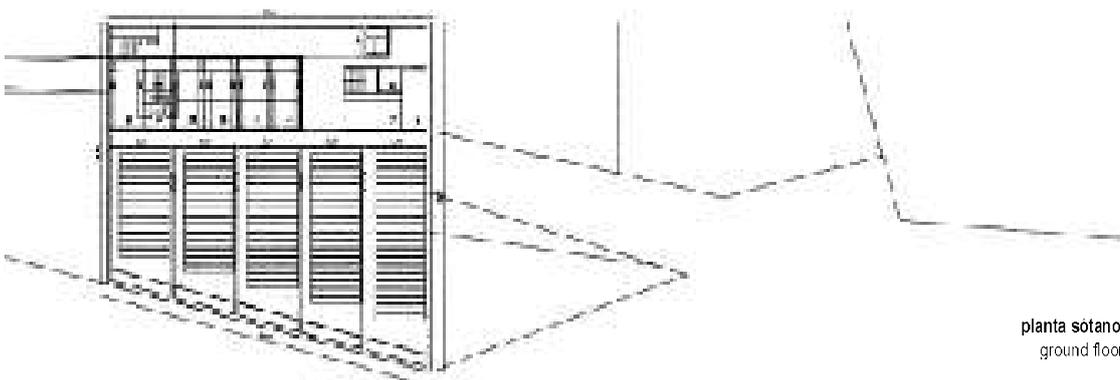
planta de cubierta
roof floor



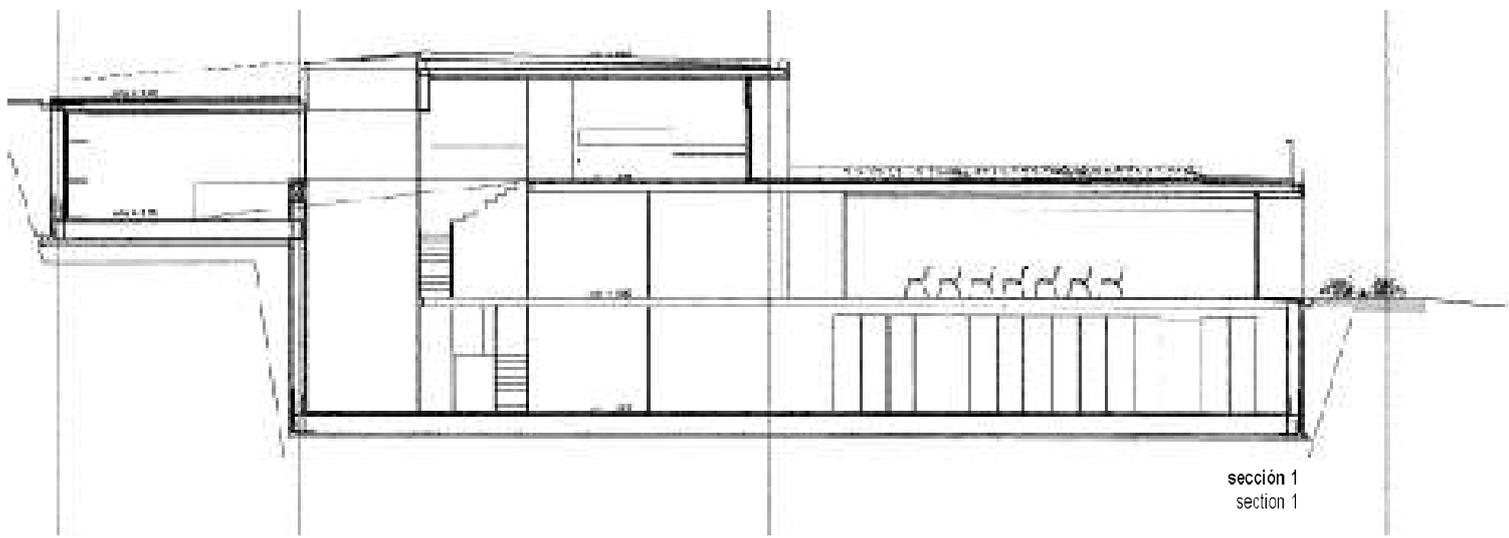
planta superior
upper floor



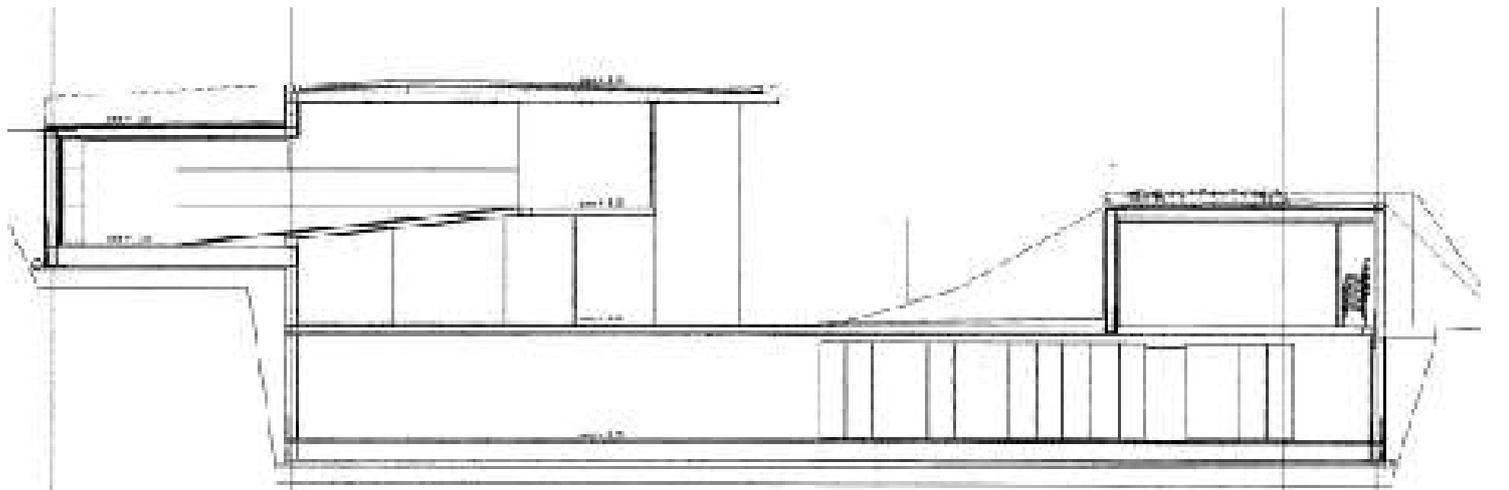
planta de acceso
access floor



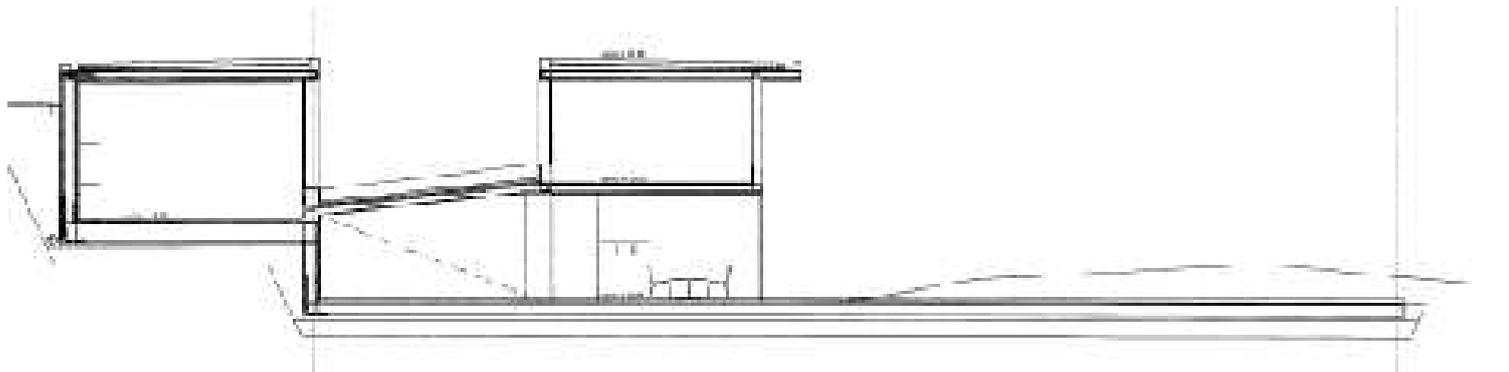
planta sótano
ground floor



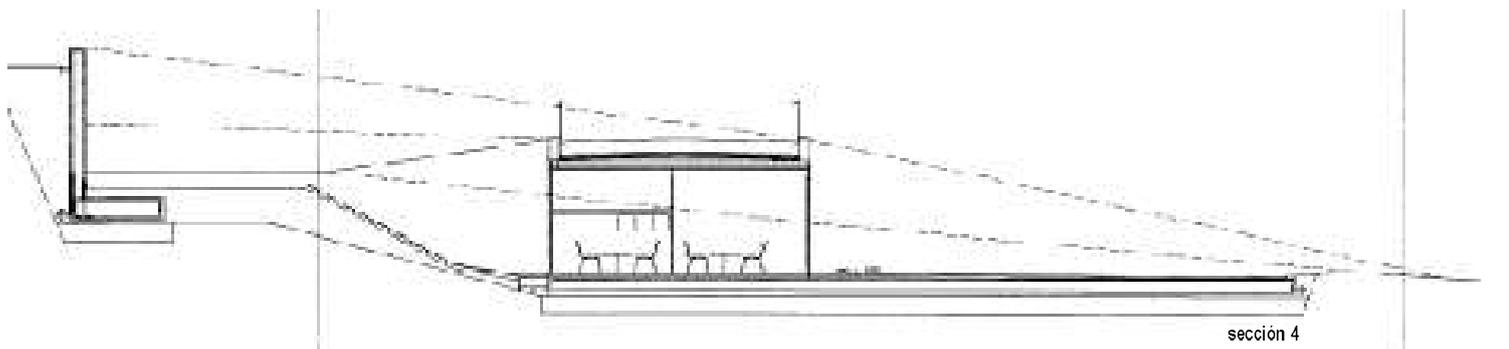
sección 1
section 1



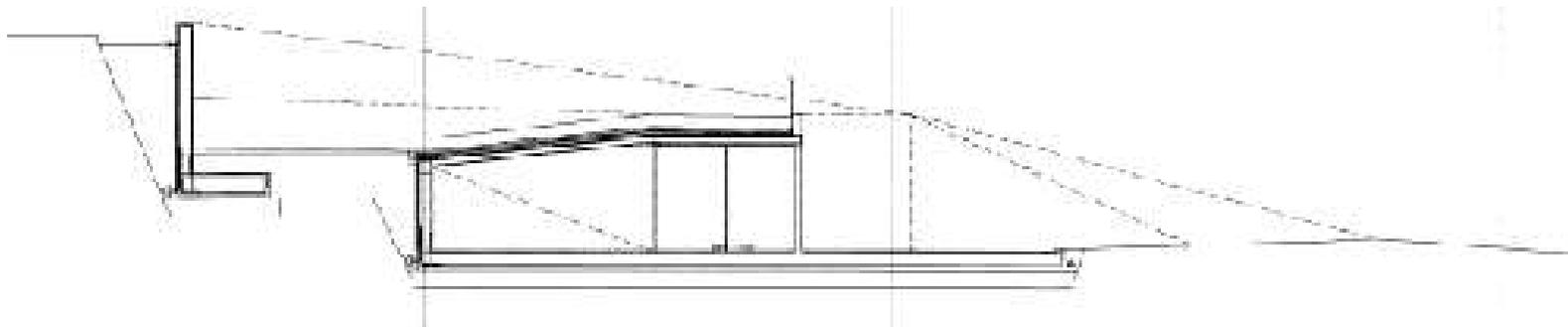
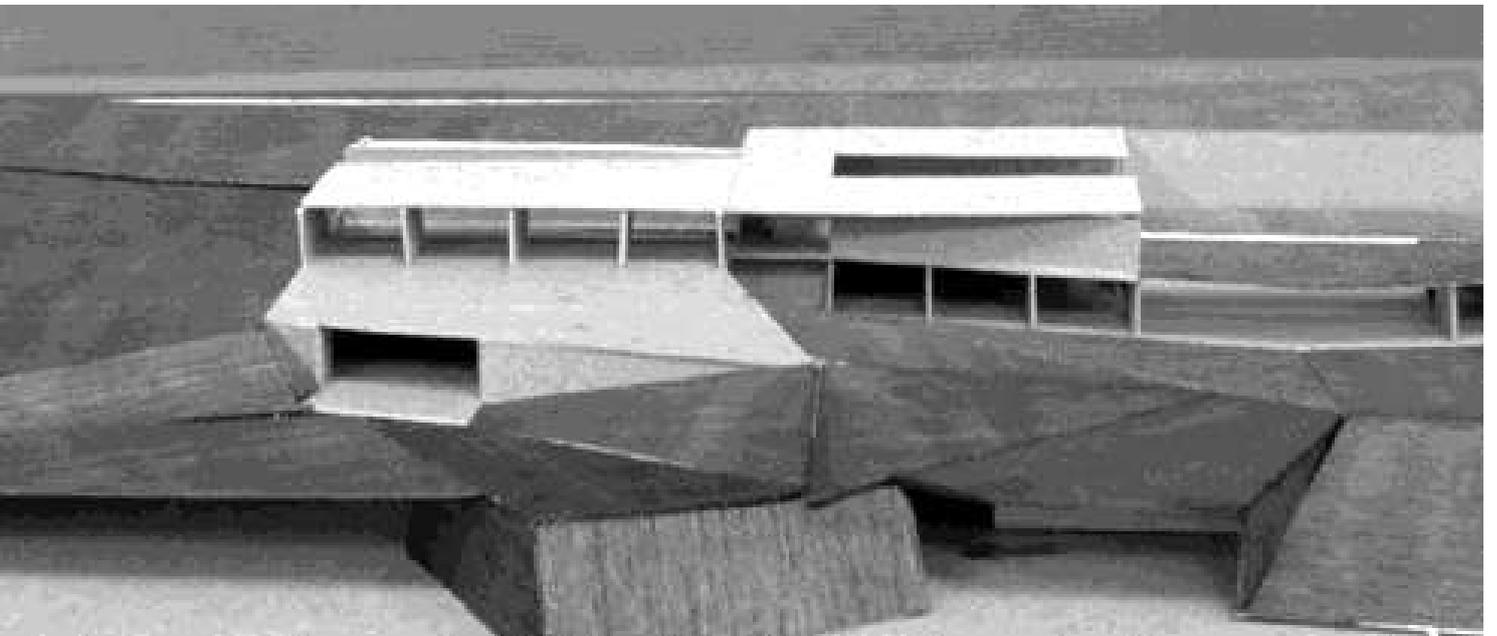
sección 2
section 2



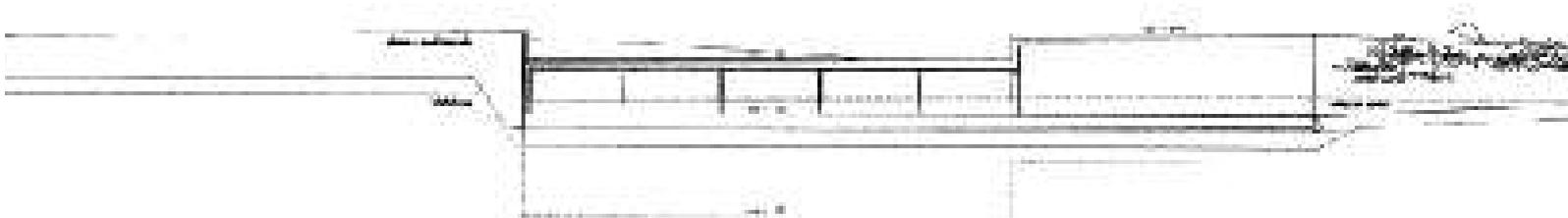
sección 3
section 3



sección 4
section 4



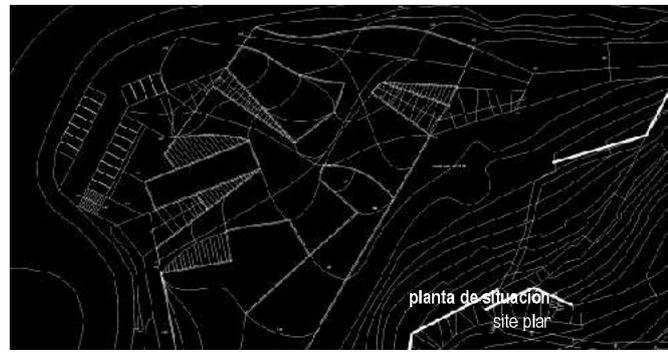
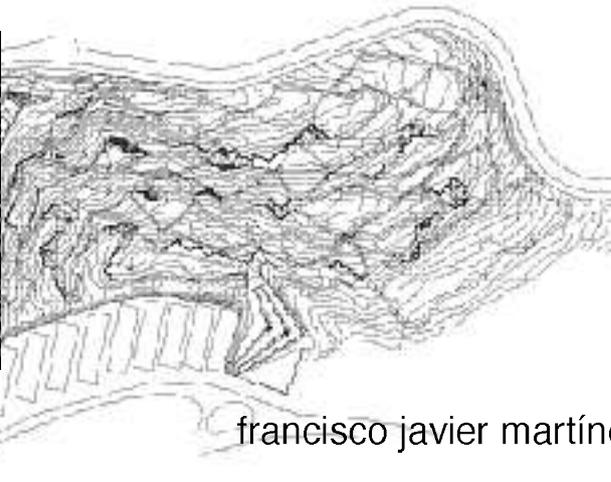
sección 5
section 5



sección 6
section 6



sección 7
section 7



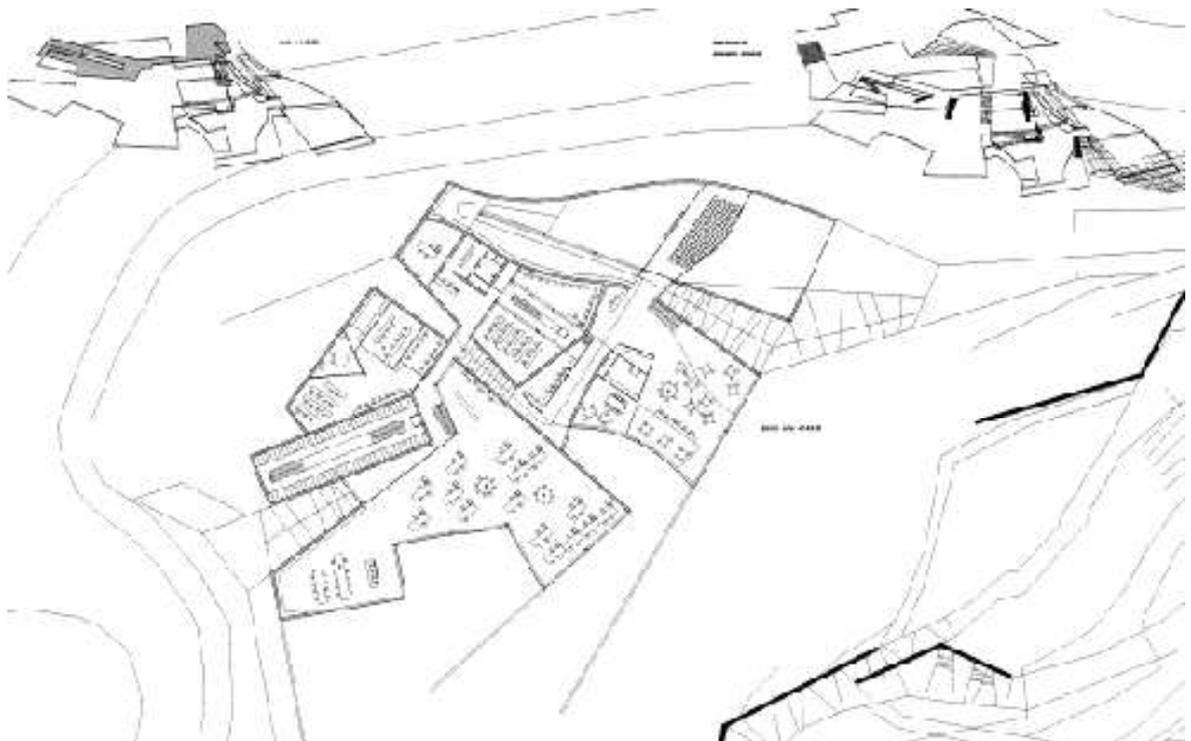
planta de situación
site plan

francisco javier martínez trejo

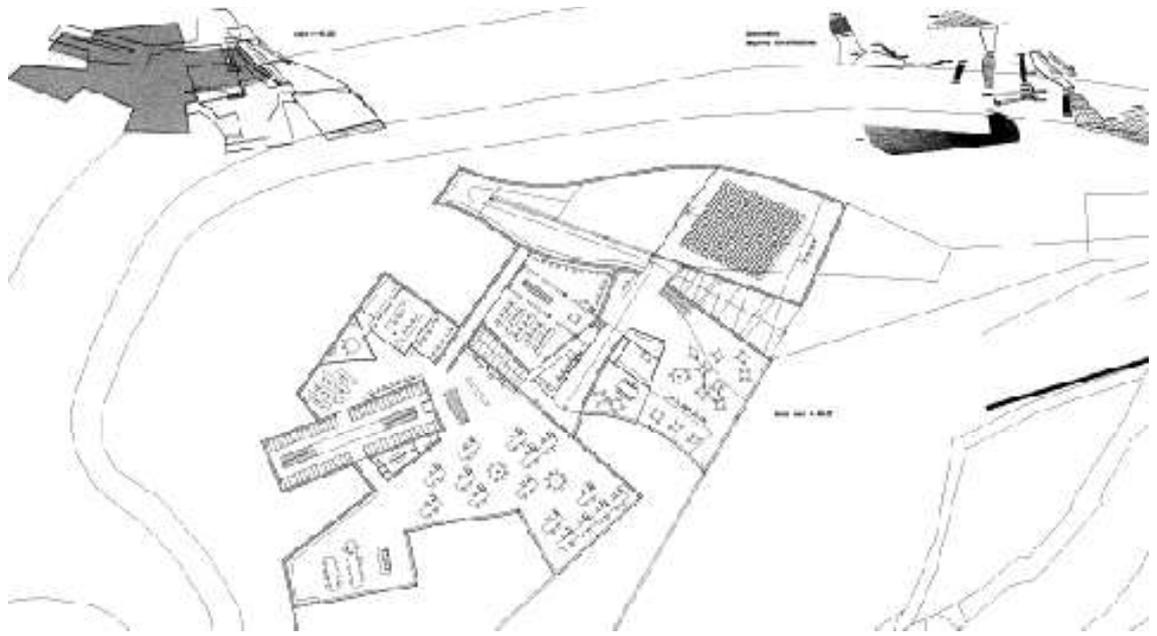
planta cota +145
level floor +145



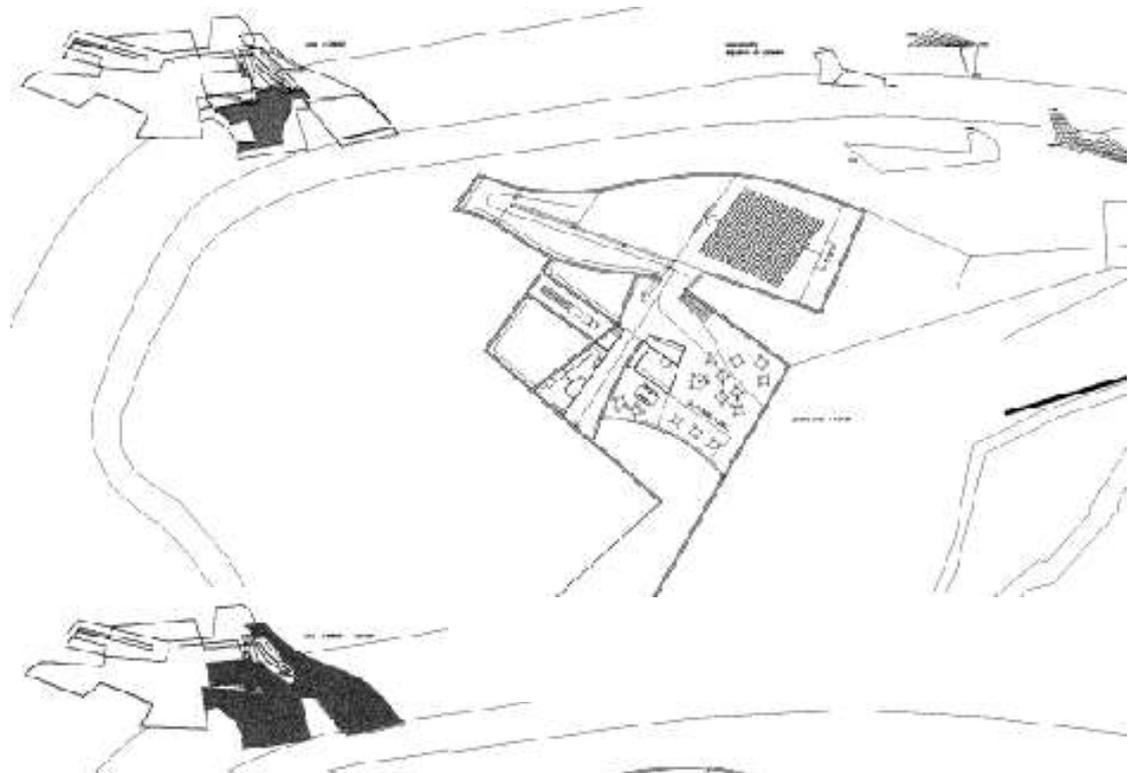
planta cota +143
level floor +143



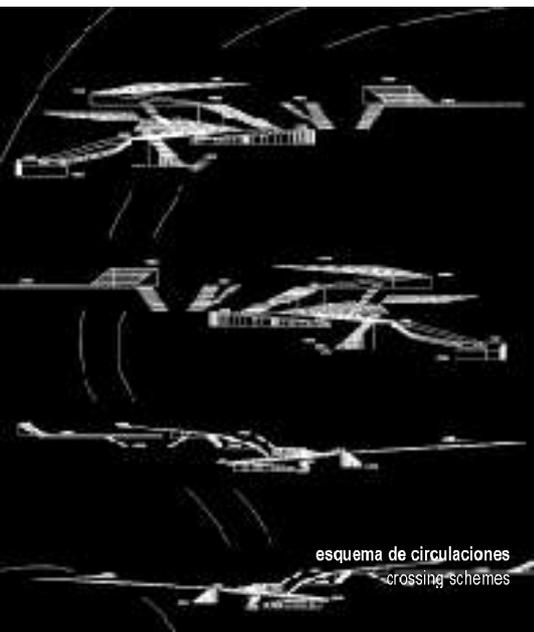
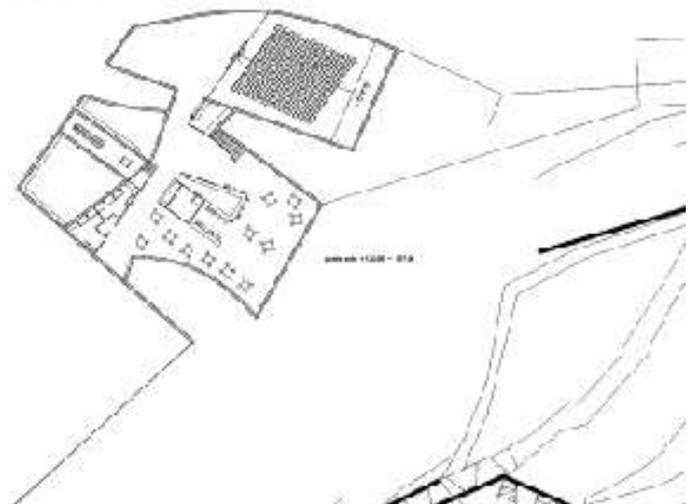
planta cota +140
level floor +140



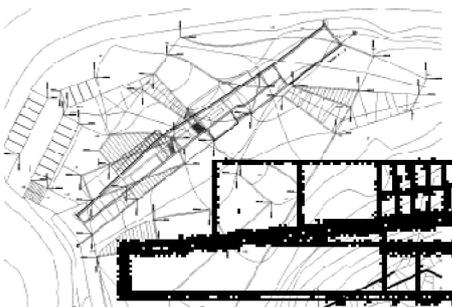
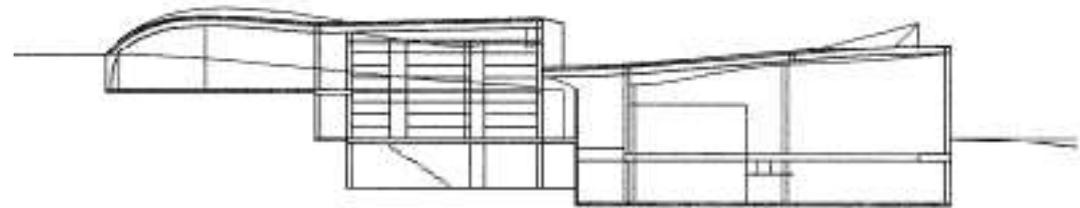
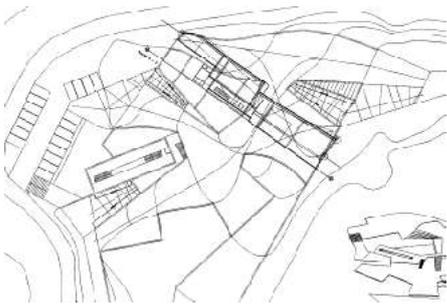
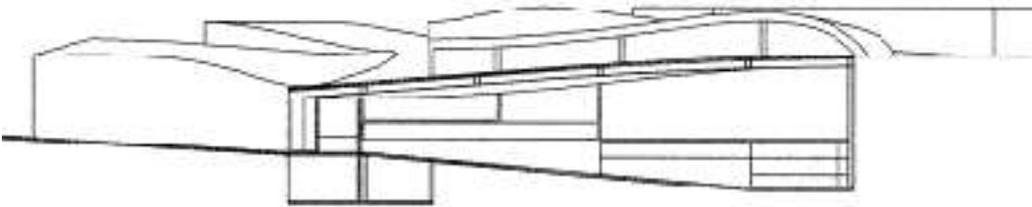
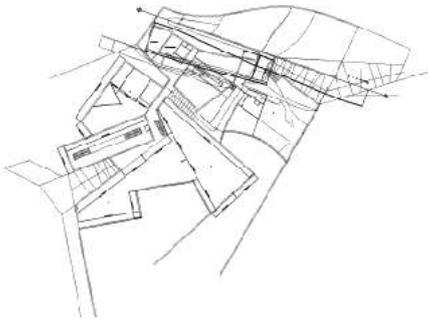
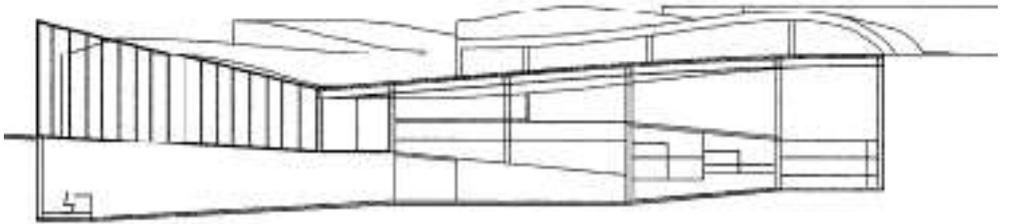
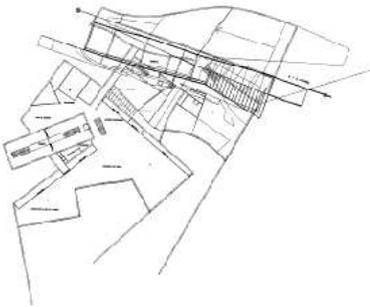
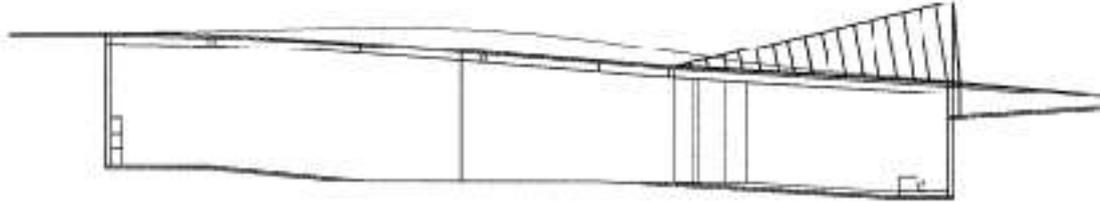
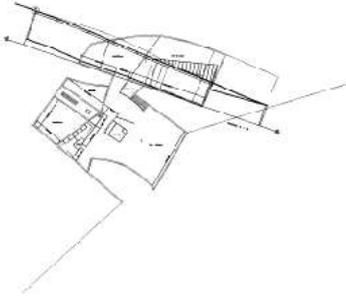
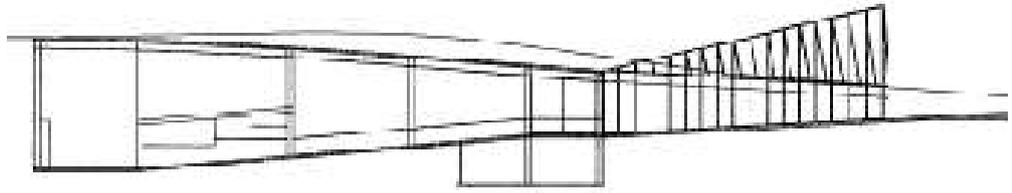
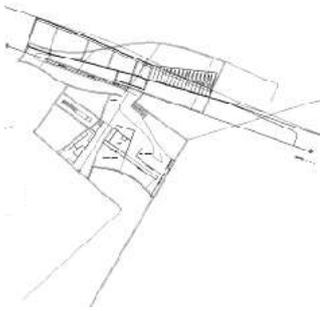
planta cota +139
level floor +139

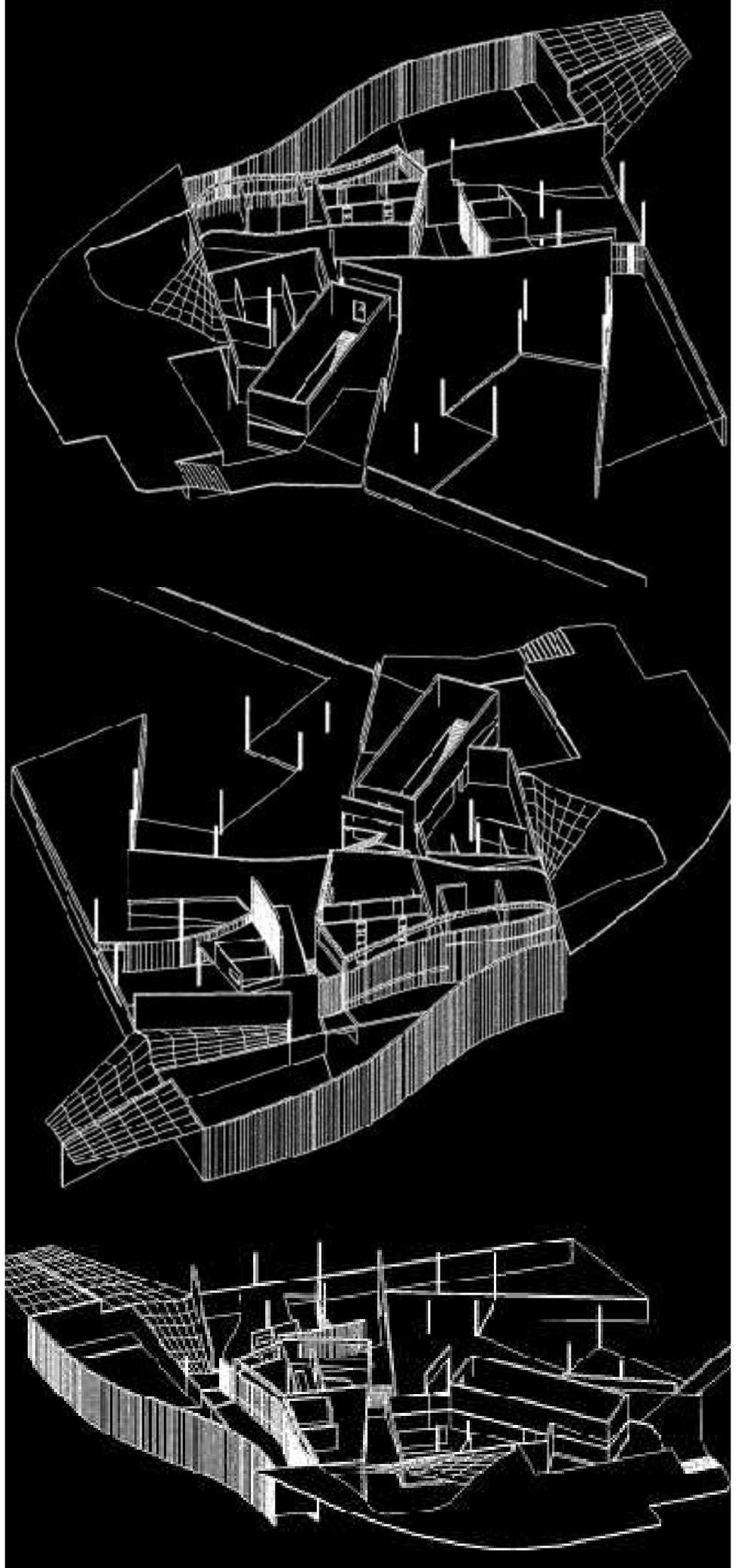


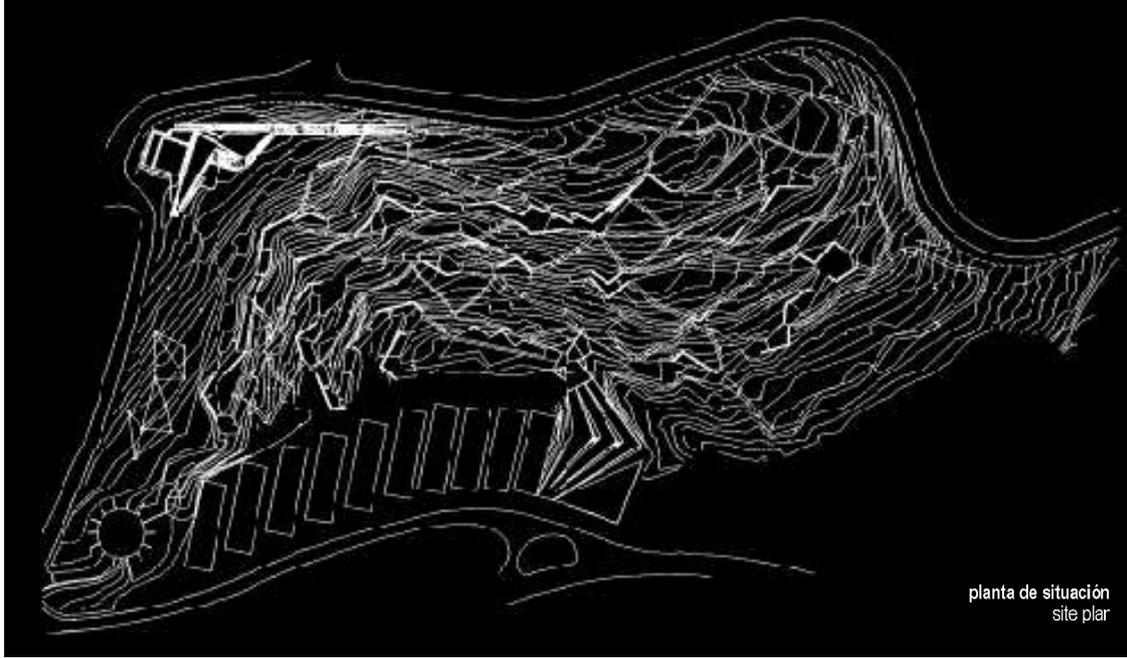
planta cota +135-137
level floor +135-137



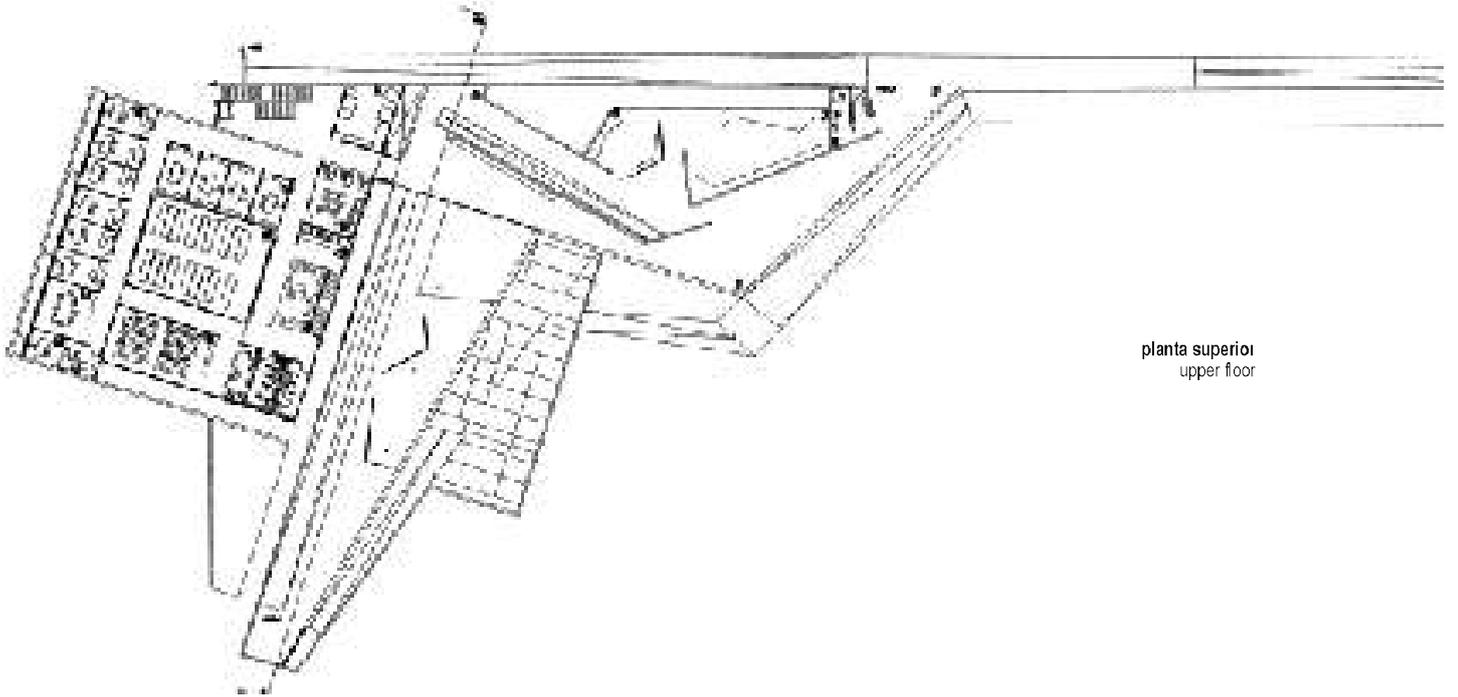
esquema de circulaciones
crossing schemes





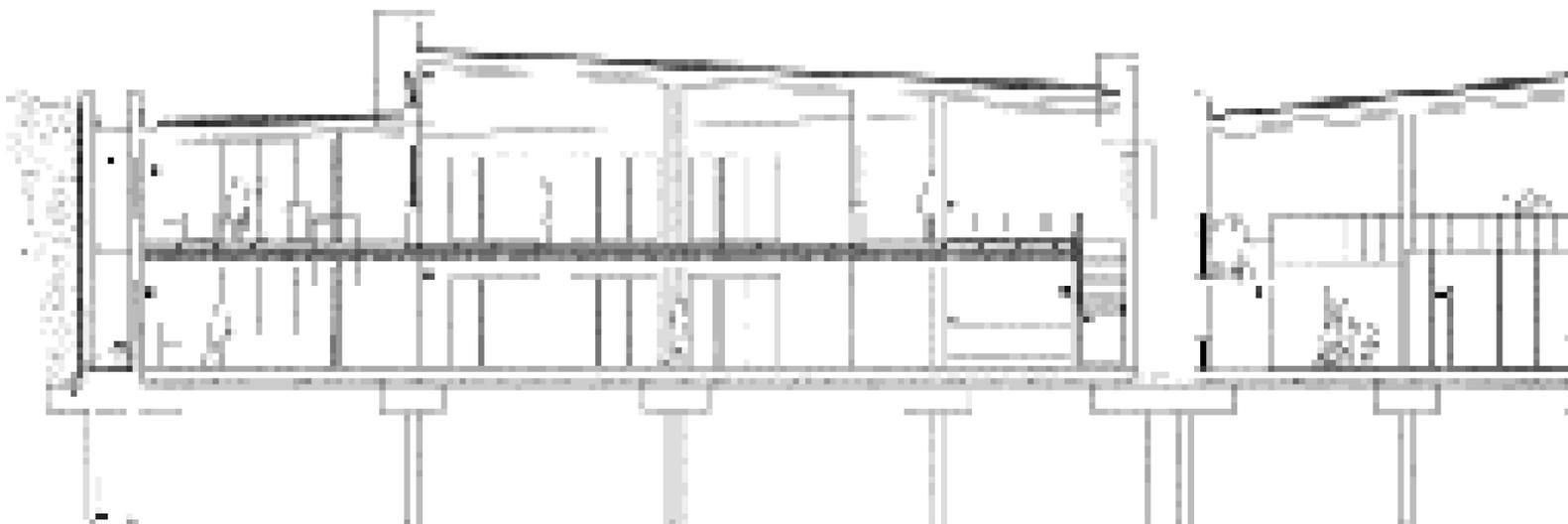


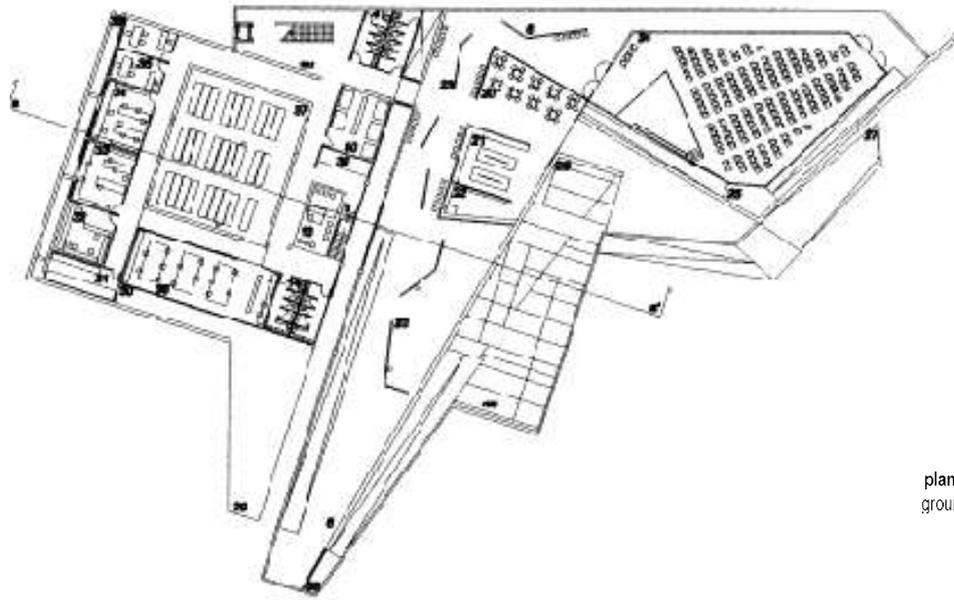
planta de situación
site plan



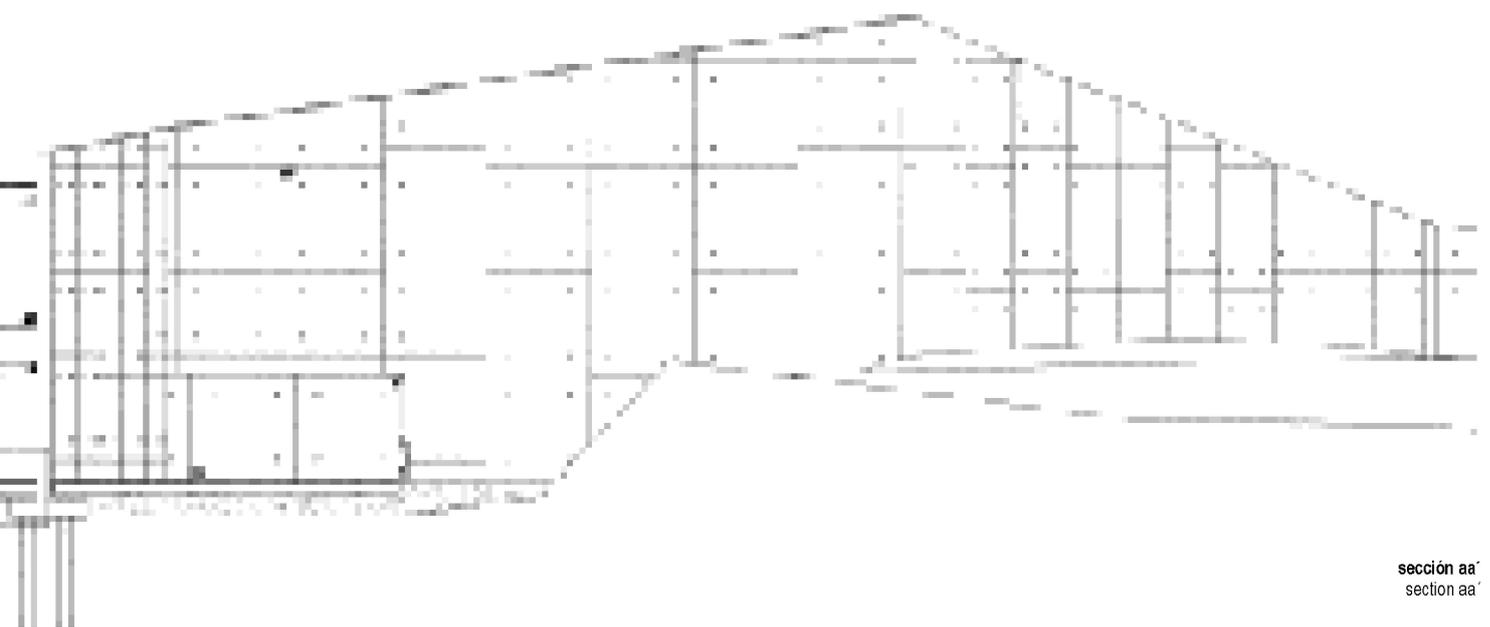
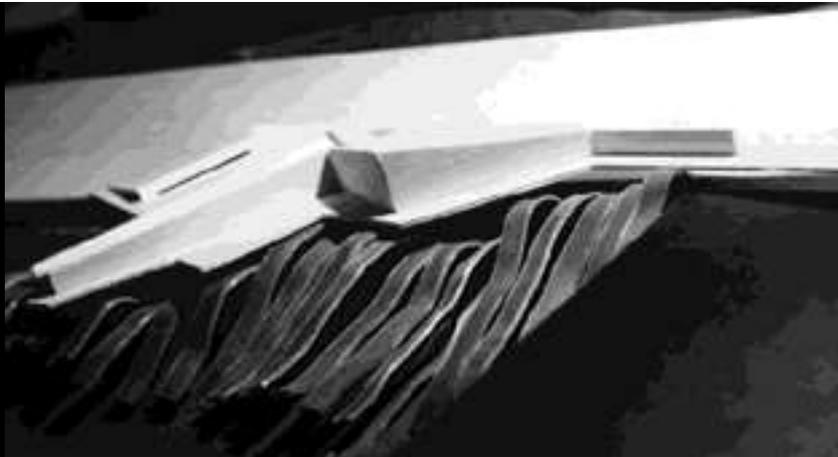
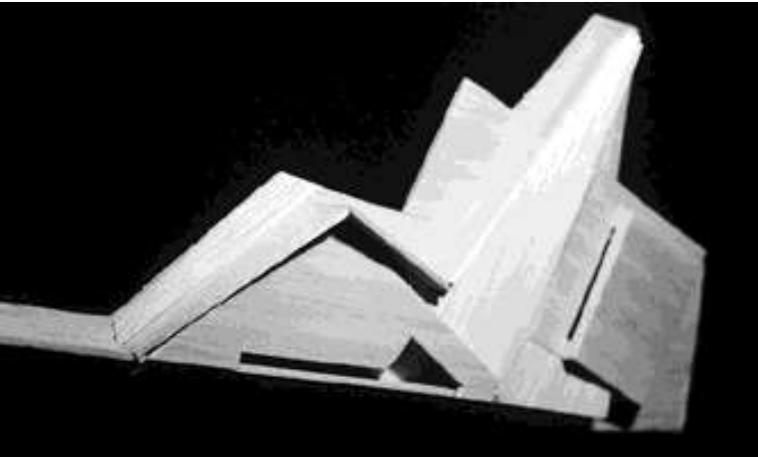
planta superior
upper floor

cristina rivás





planta baja
ground floor



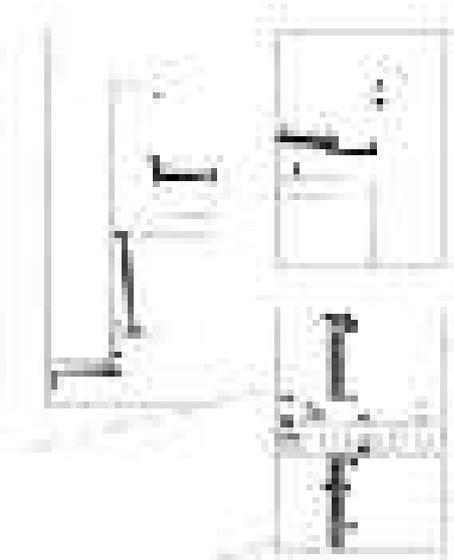
sección aa
section aa



alzado norte desde el jardín
northern elevation from the garden



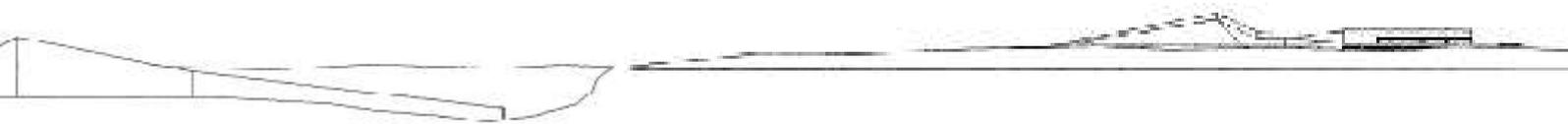
alzado oeste desde el jardín
west elevation from the garden



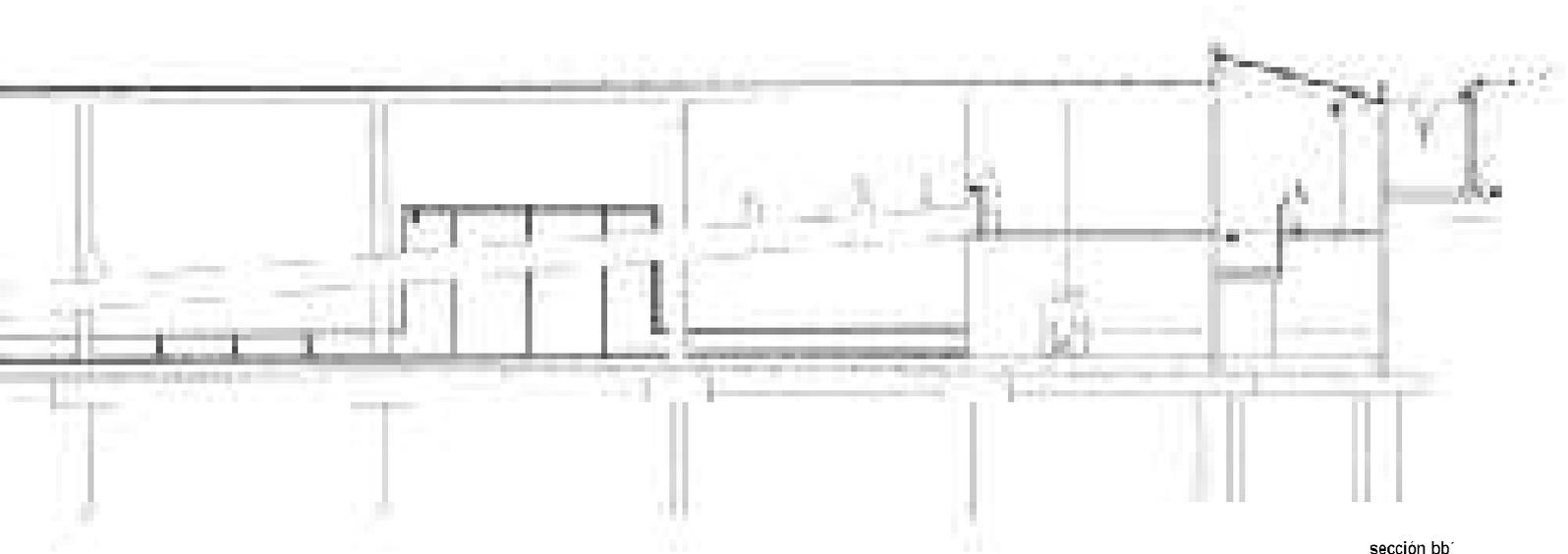
1. antepecho prolongación de muro
2. impermeabilizante
3. capa separadora geotexti
4. panel sandwich con aislante de poliuretano y acabado en cobre mate
5. losa de hormigón armado
6. carpintería de aluminio anodizado
7. chapa de terminación y vierteaguas
8. recogeaguas de cobre solapado entre la impermeabilización
9. panel fenólico atornillado
10. subestructura de madera
11. perfil de aluminio de remate
12. aislante acústico
13. losa de hormigón armado
15. paso de instalaciones
16. capa de compresión
17. junta hormigonada
18. placa alveolar
19. carpintería de aluminio anodizado colgada
22. acabado pulido
23. solera de hormigón armado
25. encepado
26. pilote



1. windowsill prolongation of wall
2. waterproofing
3. geotextile separating layer
4. sandwich panel with polyurethane insulation and finished in dull copper
5. armoured concrete slab
6. anodized aluminium carpentry
7. finishing plate and weathering
8. overlapping copper water catcher between the waterproofing
9. screwed phenolic panel
10. wooden under-structure
11. final aluminium profile
12. soundproofing
13. armoured concrete slab
15. installations thoroughfare
16. compression layer
17. concrete joint
18. honeycomb plate
19. hanging anodized aluminium carpentry
22. polished finishing
23. armoured concrete floor
25. pile cap
26. pile

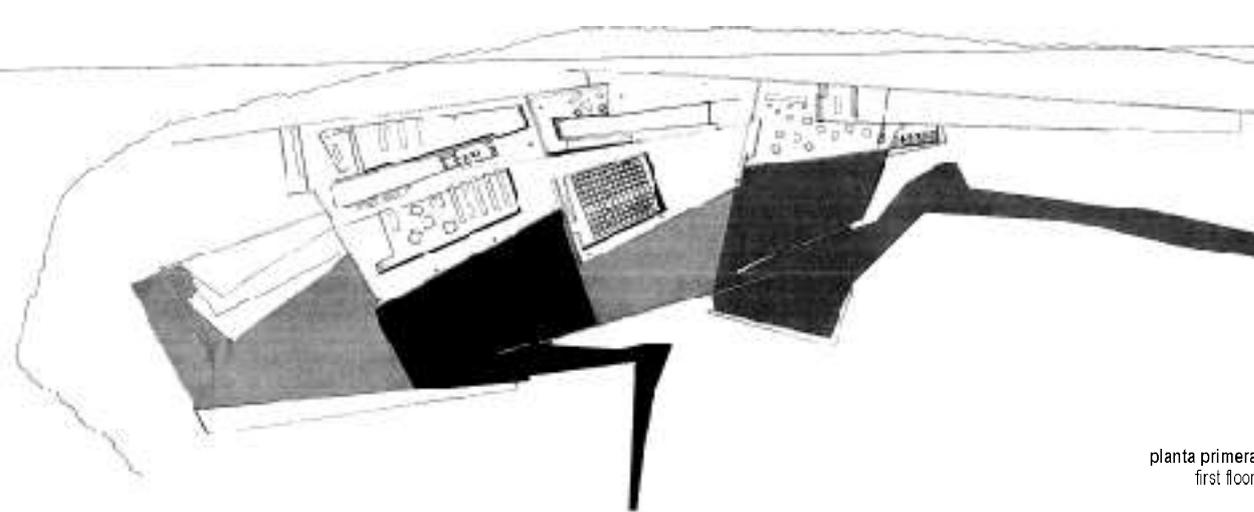


alzado este desde la calle
east elevation from the street

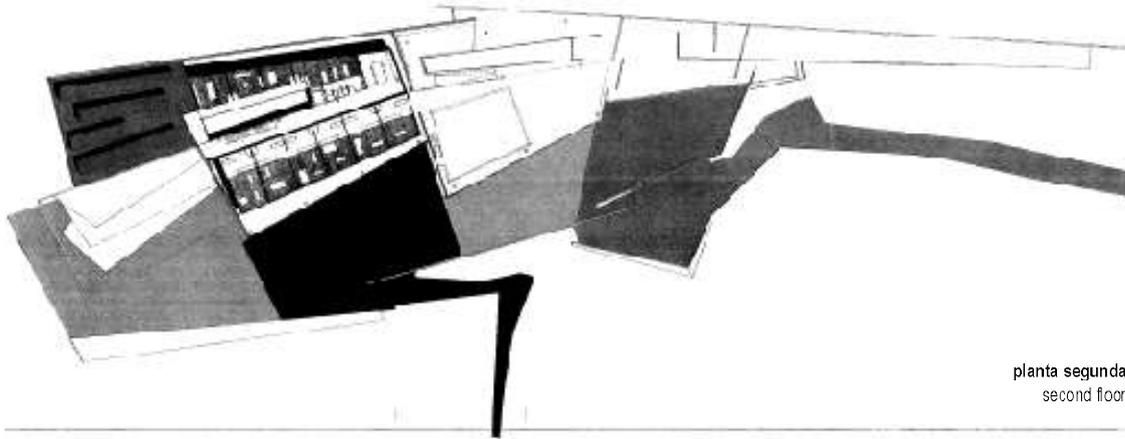


sección bb'
section bb'



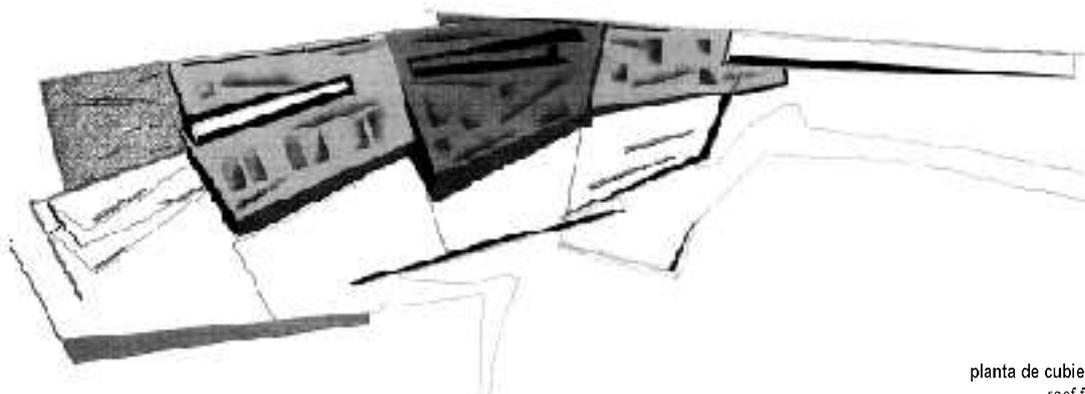
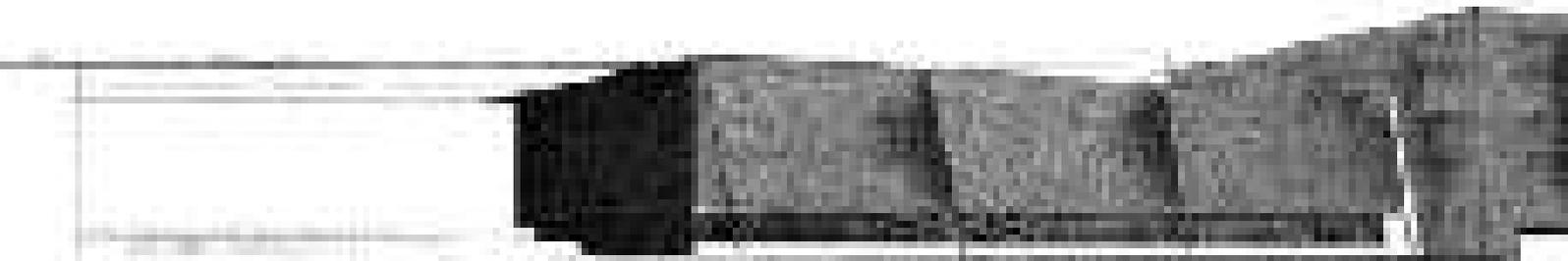


planta primera
first floor

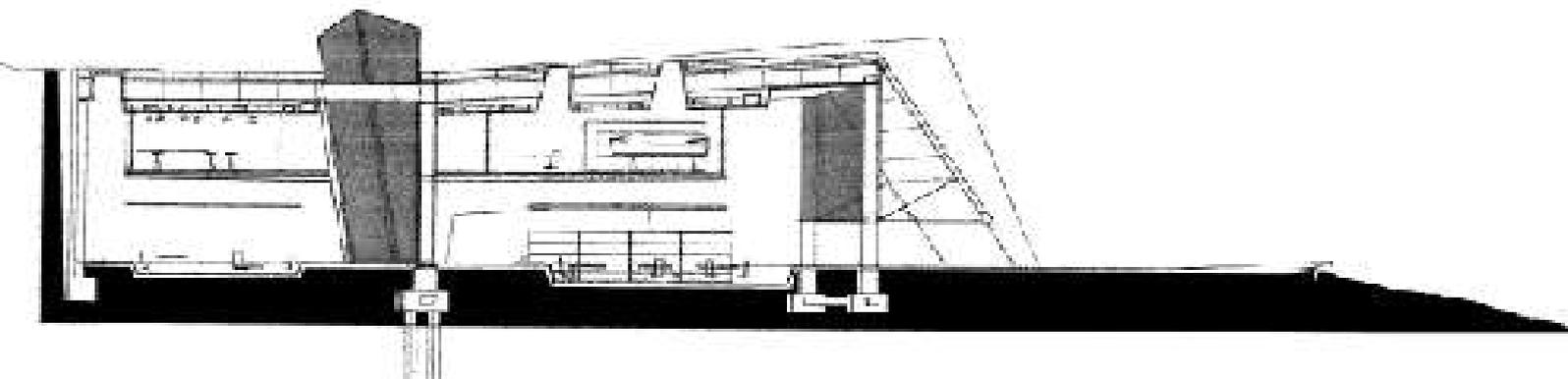


planta segunda
second floor

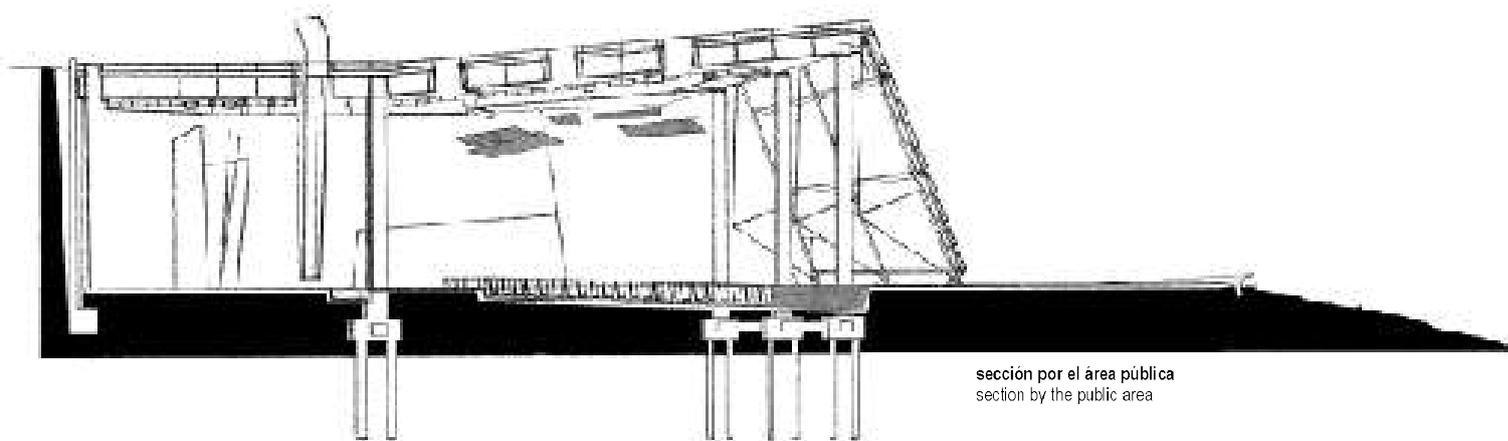
óscar vélez



planta de cubiertas
roof floor



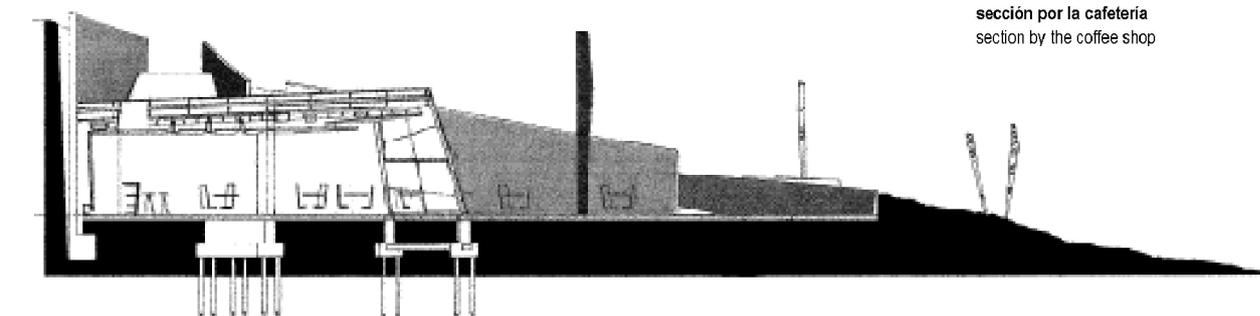
sección por el área de trabajo
section by the working area



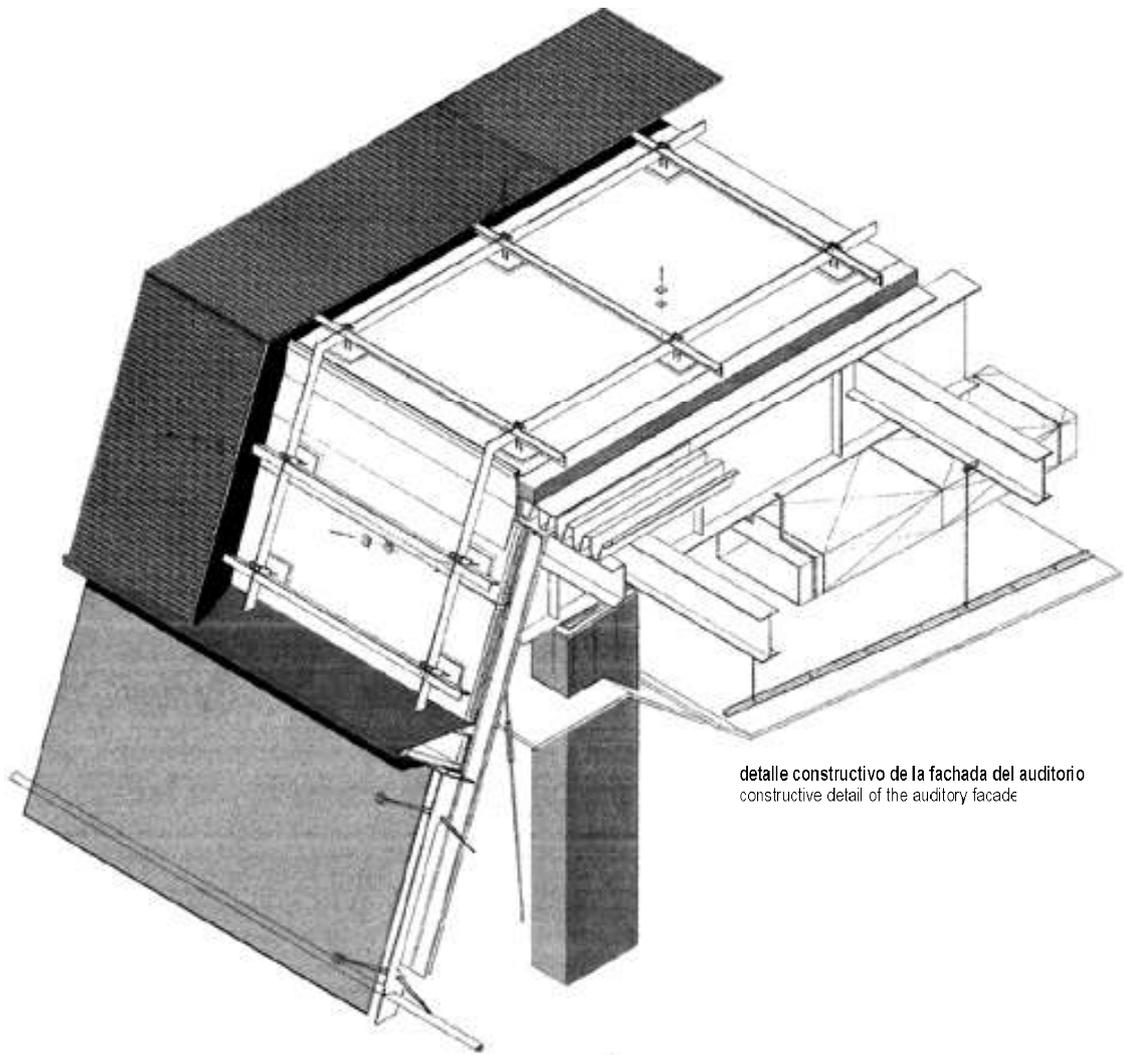
sección por el área pública
section by the public area



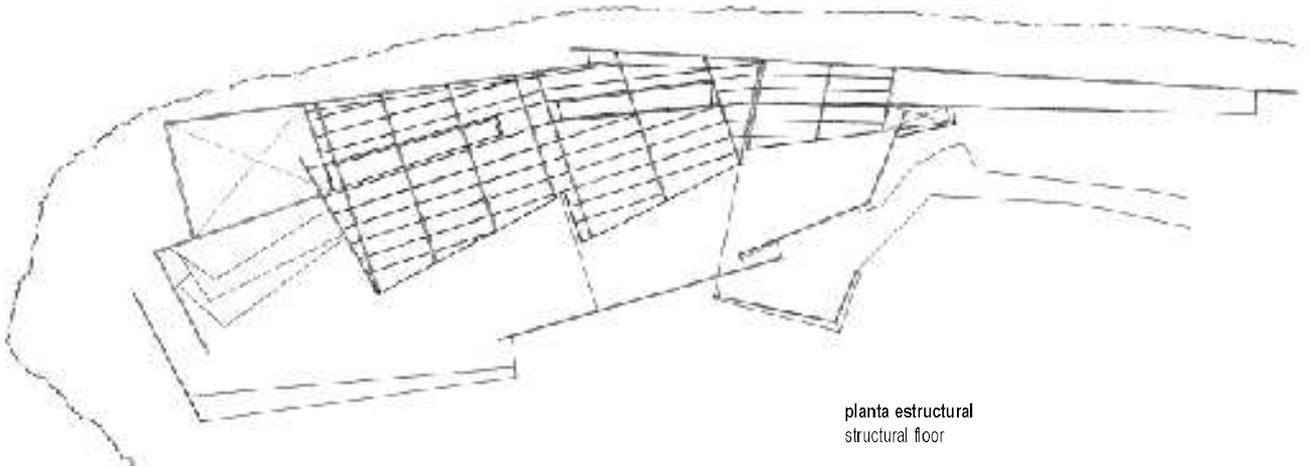
alzado
elevation



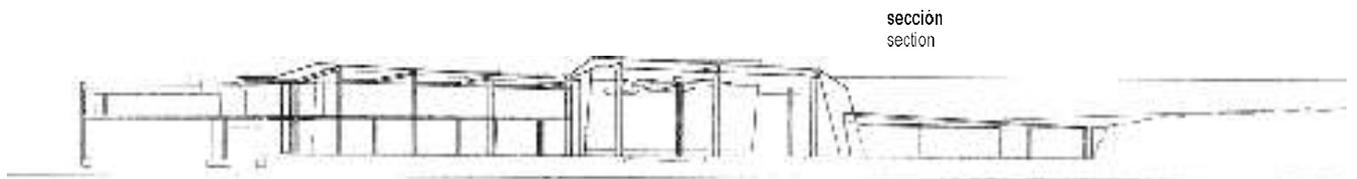
sección por la cafetería
section by the coffee shop



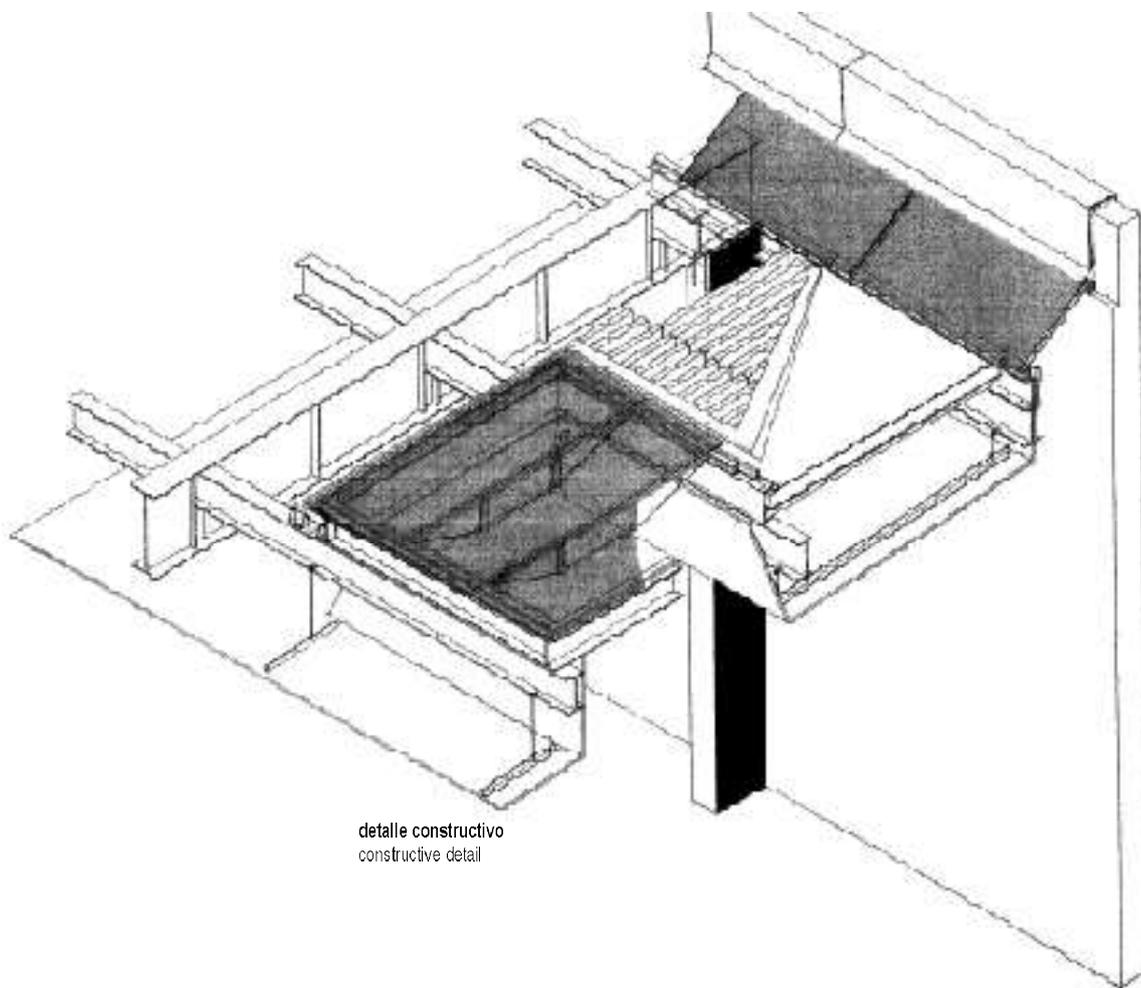
detalle constructivo de la fachada del auditorio
constructive detail of the auditory facade



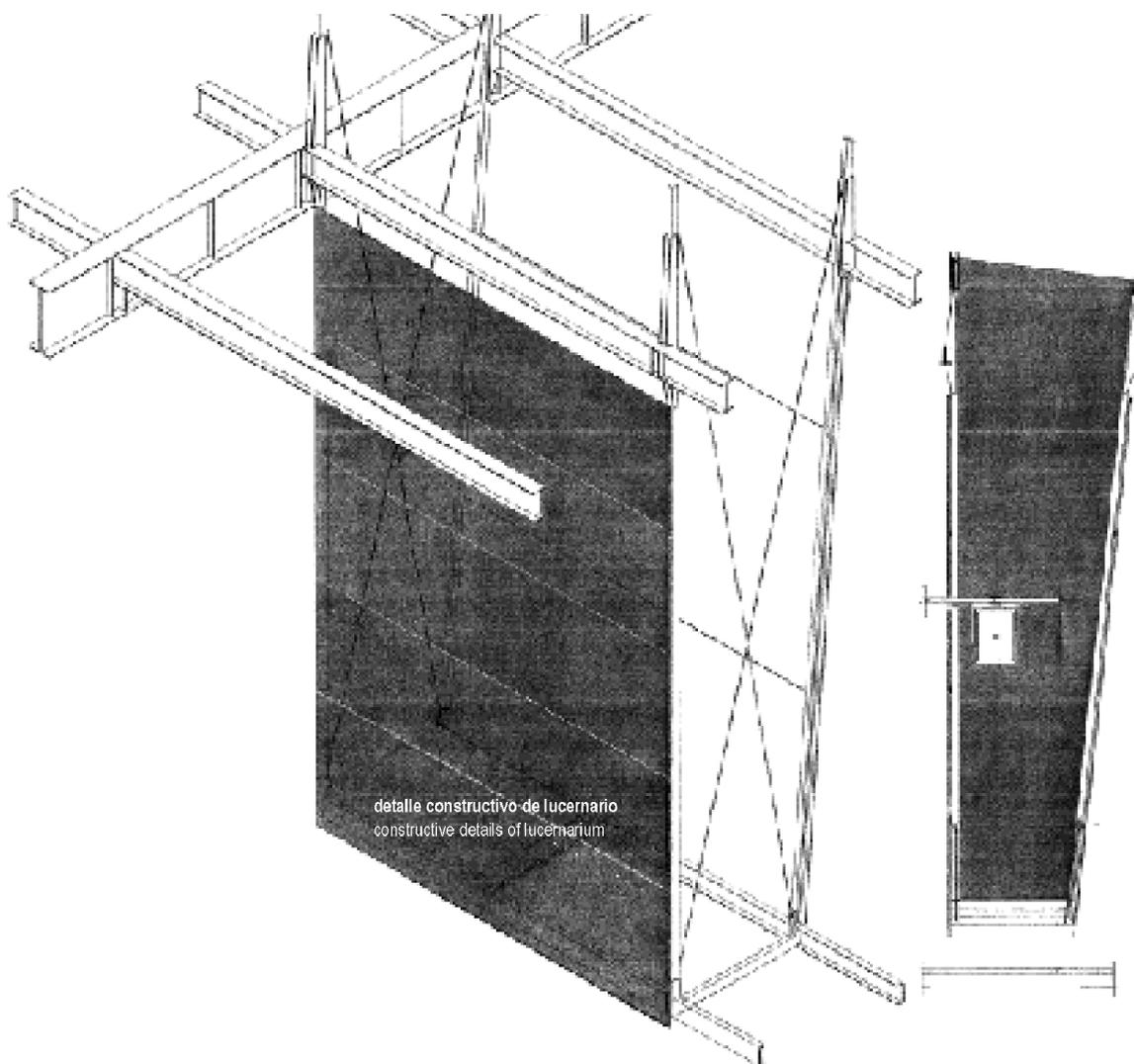
planta estructural
structural floor



sección
section



detalle constructivo
constructive detail



detalle constructivo de lucernario
constructive details of lucernarium