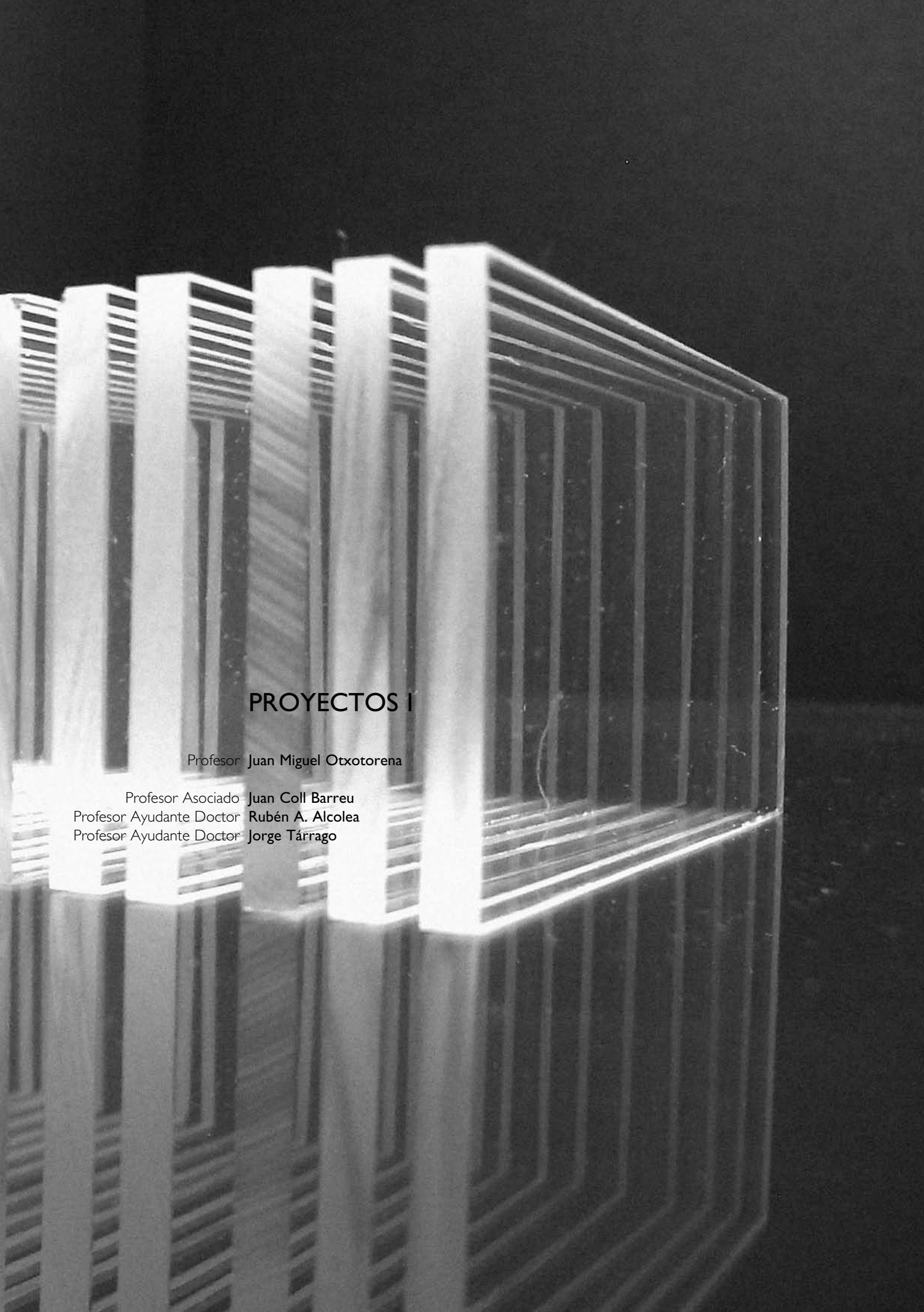


PROYECTOS I

Profesor **Juan Miguel Otxotorena**

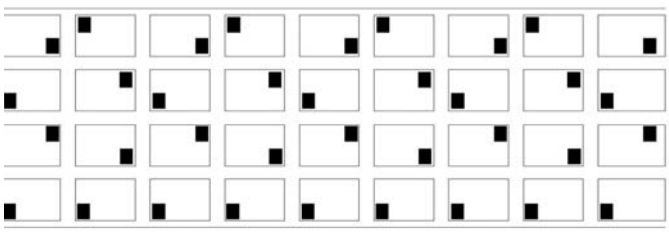
Profesor Asociado **Juan Coll Barreu**
Profesor Ayudante Doctor **Rubén A. Alcolea**
Profesor Ayudante Doctor **Jorge Tárrago**

De la vivienda mayoritaria a la vivienda máxima

From majority dwelling to maximum housing

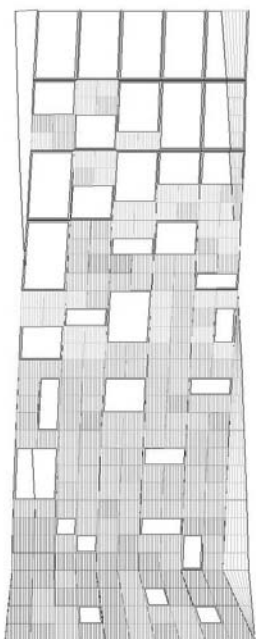
El ejercicio consiste en proponer una vivienda exenta de dimensiones suficientes para el desempeño de todas las tareas domésticas propias de nuestra sociedad en un suelo de dimensiones reducidas. La vivienda deberá ser repetible y se estudiarán posibilidades óptimas de agrupación o de colonización, es para un grupo de 6 personas que comparten su vida y su hábitat doméstico, con una dimensión a determinar por el alumno. Se señala una superficie útil mínima de 120 m^2. Se trata de una reflexión simultánea sobre la vivienda, los modos de vida, la utilización del suelo, la agrupación de unidades y, en definitiva, la ciudad contemporánea. Se solicita al alumno esta investigación a través de la arquitectura y de sus posibilidades de respuesta. El terreno es un plano teórico de uso público en el que existirán unos rectángulos privados de 5 x 7 m sobre los que situar las viviendas. Cada vivienda puede ocupar como máximo la superficie total del rectángulo. Por tanto, no se permiten voladizos que superen el rectángulo ni sótanos que lo sobrepasen. No hay limitación de altura ni de edificabilidad. Se permiten sótanos sin limitación de número ni superficie. El alumno propondrá, en la última fase del ejercicio, la orientación y ordenación adecuada de los rectángulos. El aprovechamiento del suelo es el único requisito ordenador que se señala, si bien la separación entre viviendas será de un mínimo de 3 m medidos en cualquier dirección.

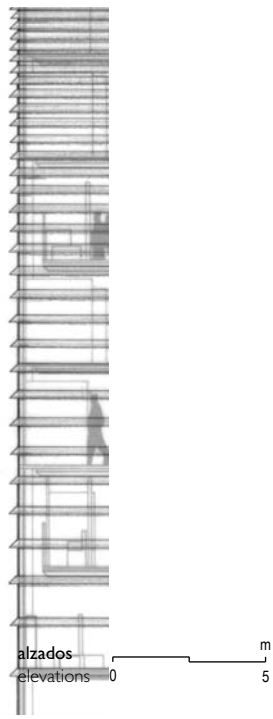
The exercise involves proposing a free-standing house of sufficient dimensions to fulfill all the domestic functions of our current society in a reduced amount of land. The house must be repeatable and optimum grouping dispositions or colonization ways has to be studied. It will host 6 people sharing their lives and domestic space, with a surface to be determined by the student with a minimum surface of 120m^2. It implies a simultaneous consideration on housing, way of life, land consumption, grouping of units, and, in short, the contemporary city. The student is requested to carry out this investigation through architecture and its answer possibilities. The plot is a theoretical public use scheme with 5x7m private rectangles where houses must be placed. Each house can occupy at most the total surface of the rectangle. Therefore neither cantilevers nor basements might surpass the rectangle. There are no further height or occupation restrictions. Unlimited amount of under ground levels are allowed. In the last phase of the exercise the student will propose the correct orientation and disposition of the rectangles. Land use is the only regulation except for the distance between houses being at least 3 meters in any direction.



agrupación
group

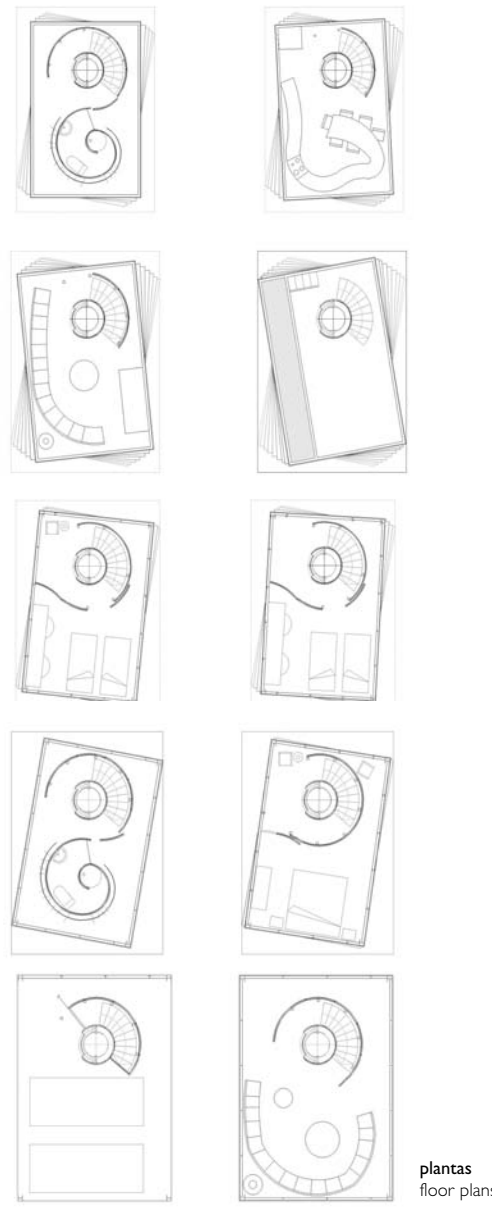
IZASKUN **BILBAO**



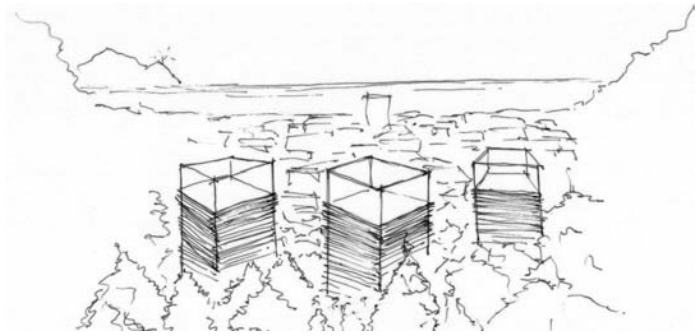


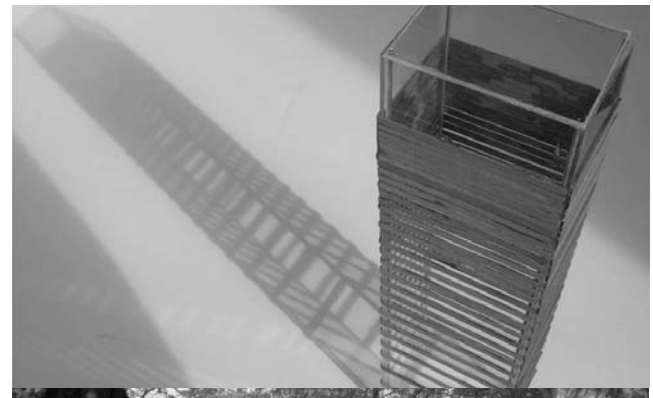
alzados
elevations

m
0 5

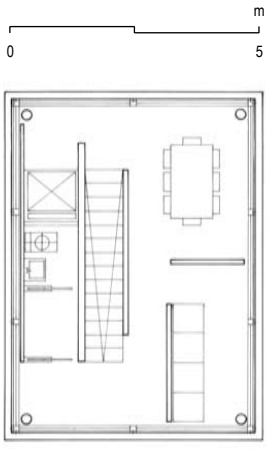


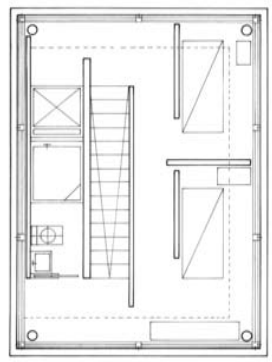
plantas
floor plans

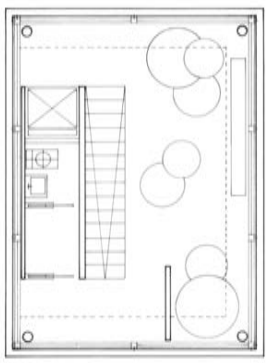


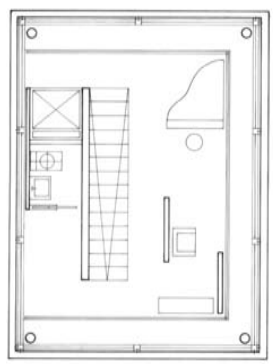


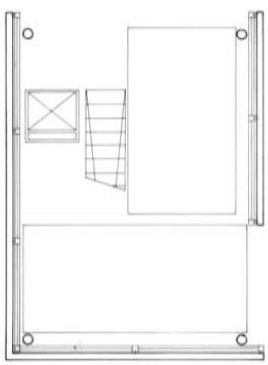
MARINA **AJUBITA**



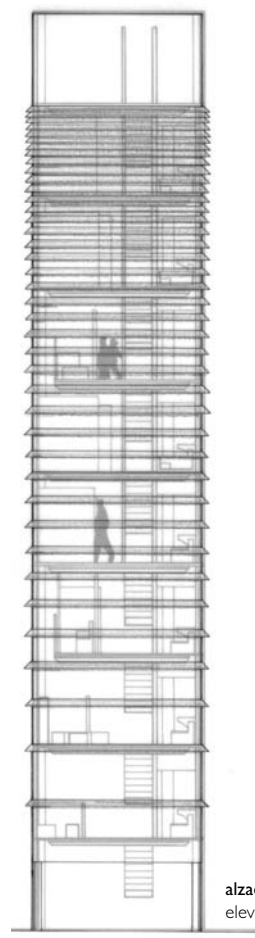




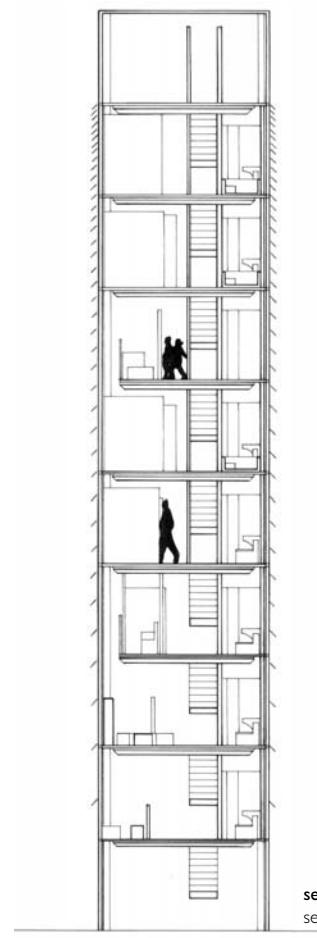




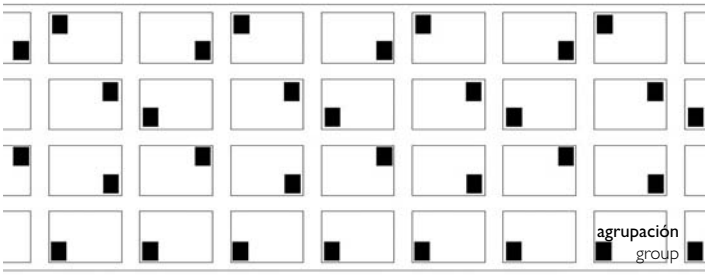
plantas
floor plans



alzado
elevation



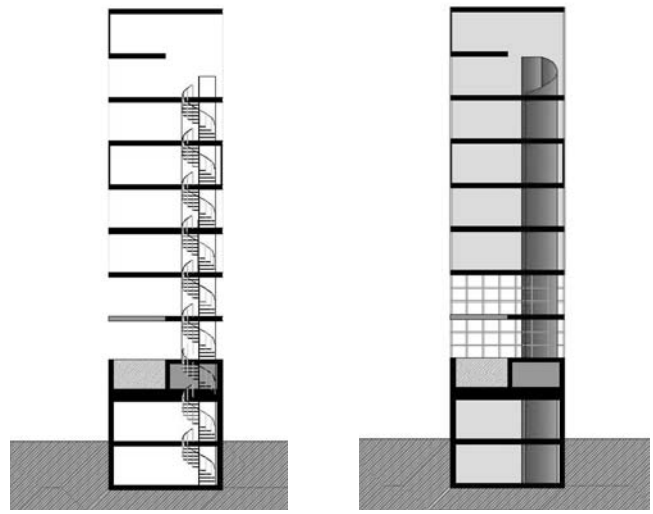
sección
section



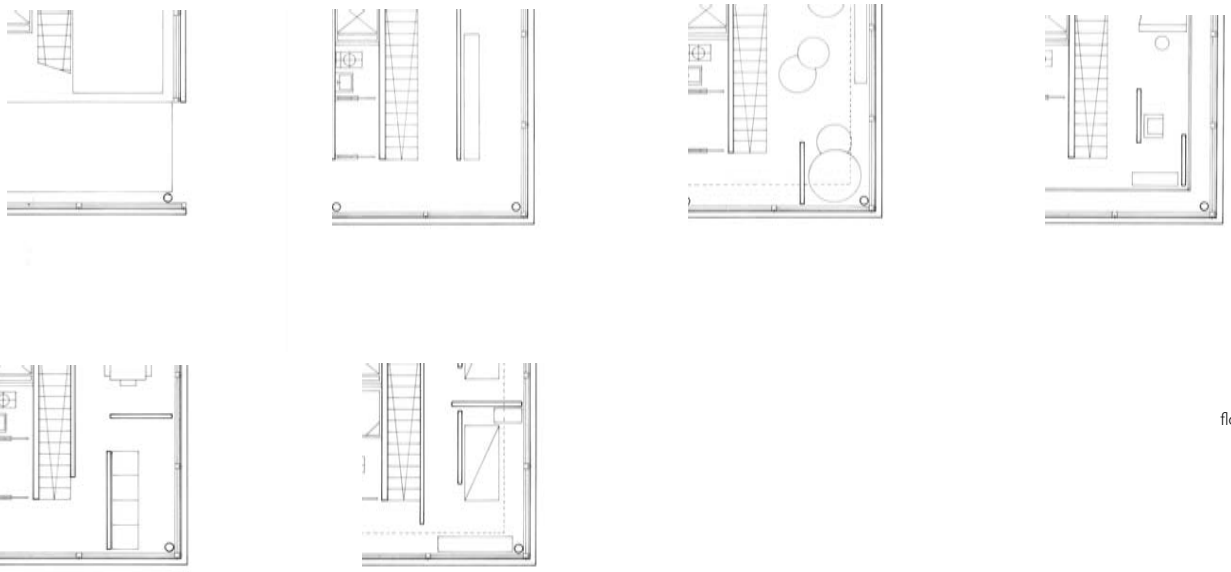
agrupación
group

ISABEL **DE LA MORA**

alzados
elevations

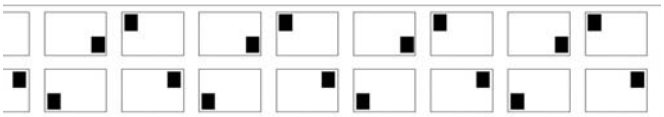


secciones
sections



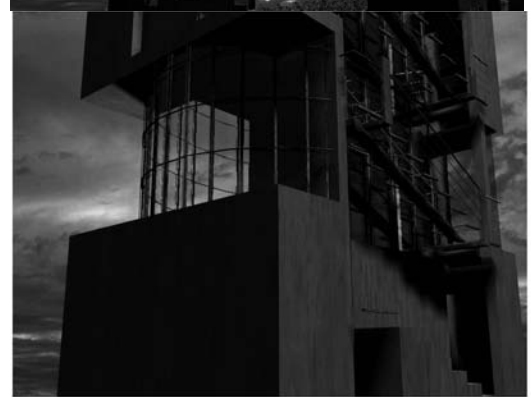
plantas
floor plans

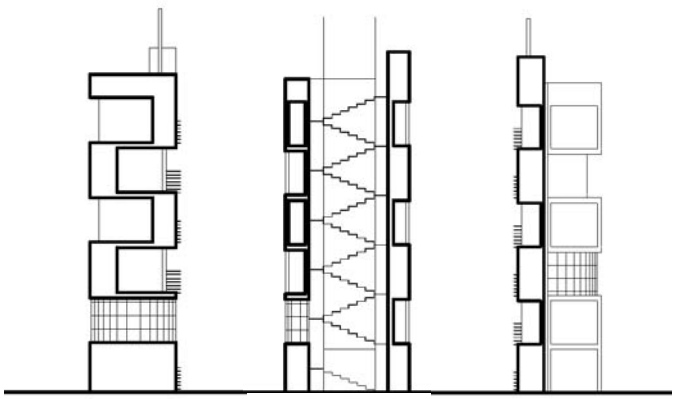
m
0 5



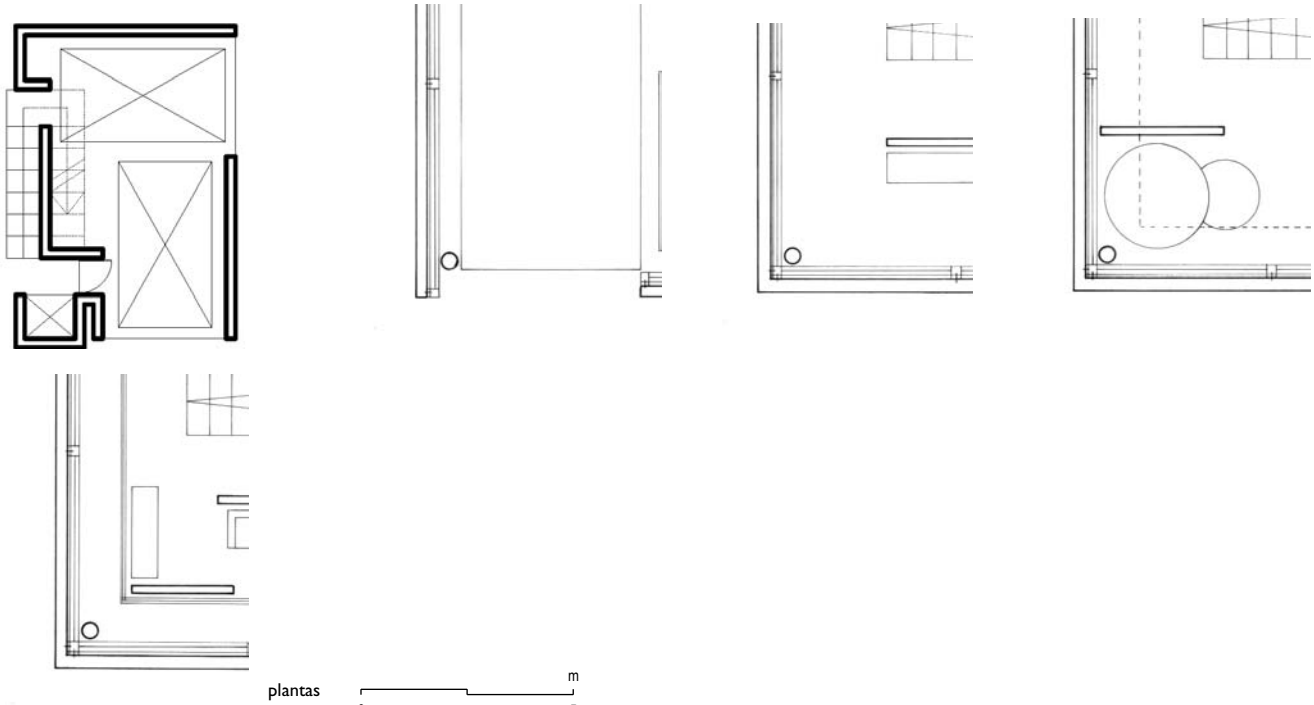
agrupación
group

JAVIER **DE PRADO**



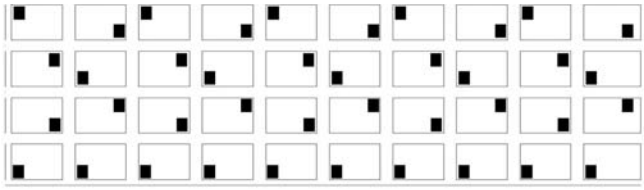


secciones
sections



plantas
floor plans

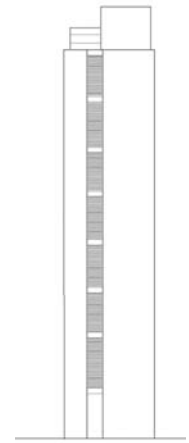
m
0 5



agrupación
group

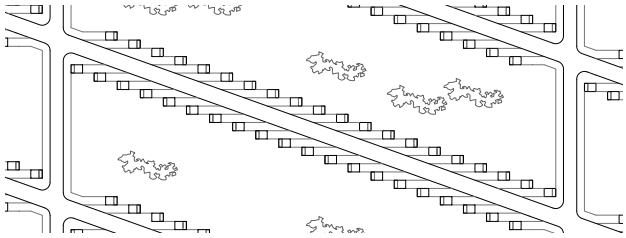
ESTEBAN **ESPAÑOL**

sección
section



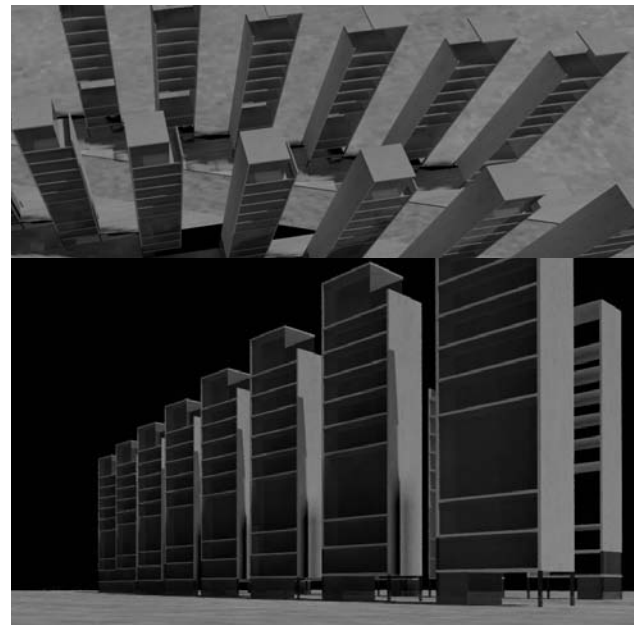
alzado
elevation

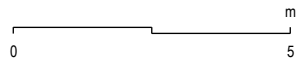
plantas
floor plans

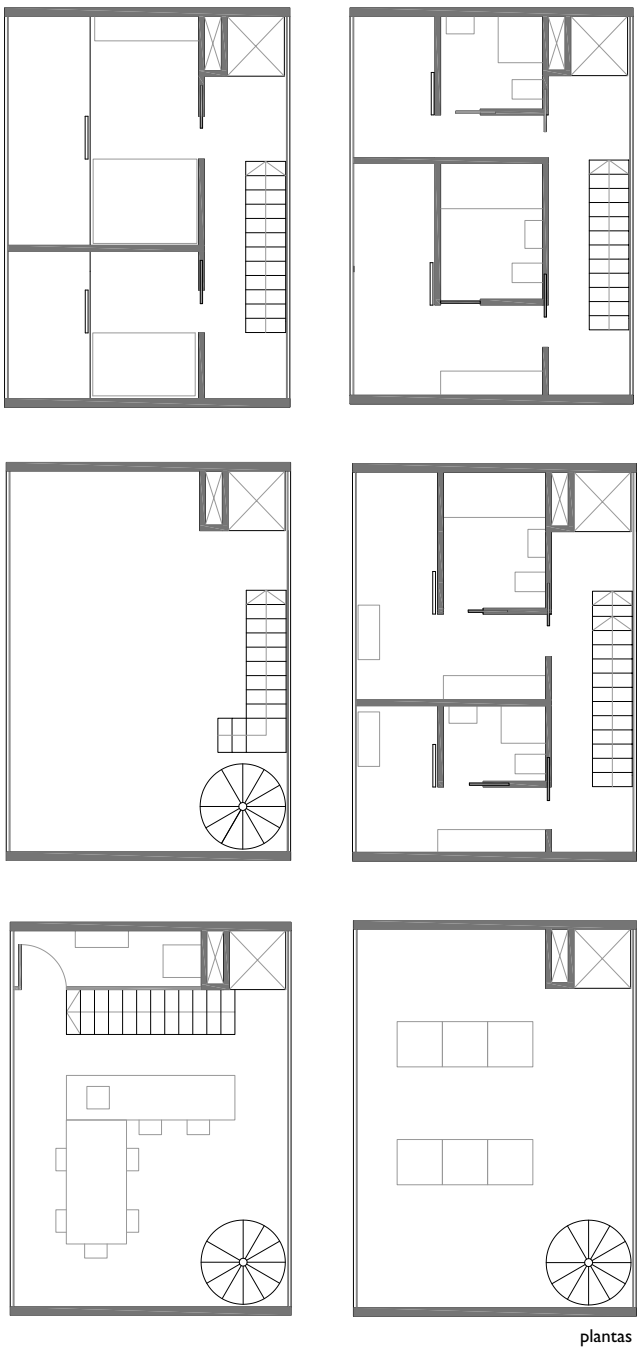


agrupación
group

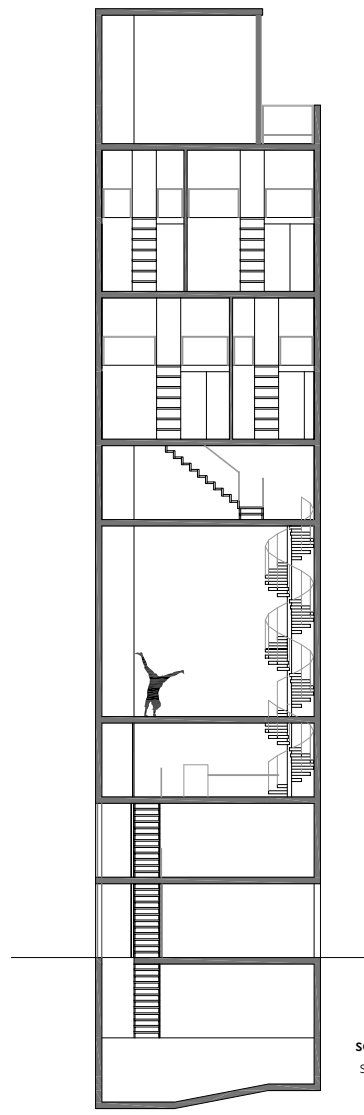
DAVID **SANTAMARÍA**



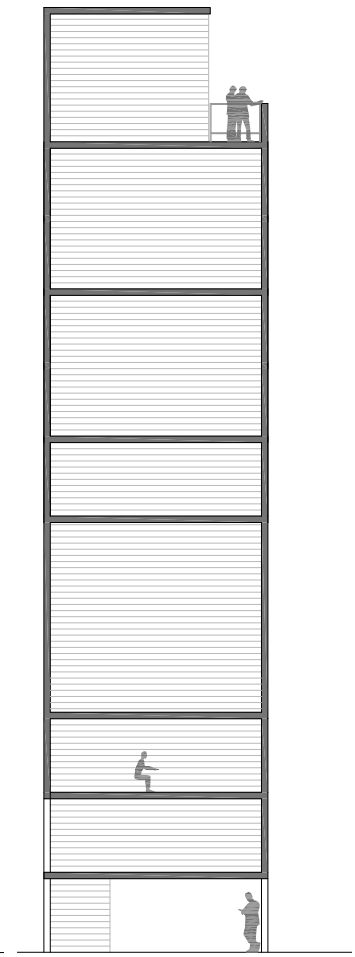




plantas
floor plans



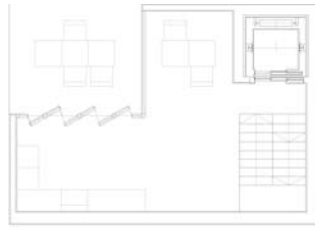
sección
section



alzado
elevation

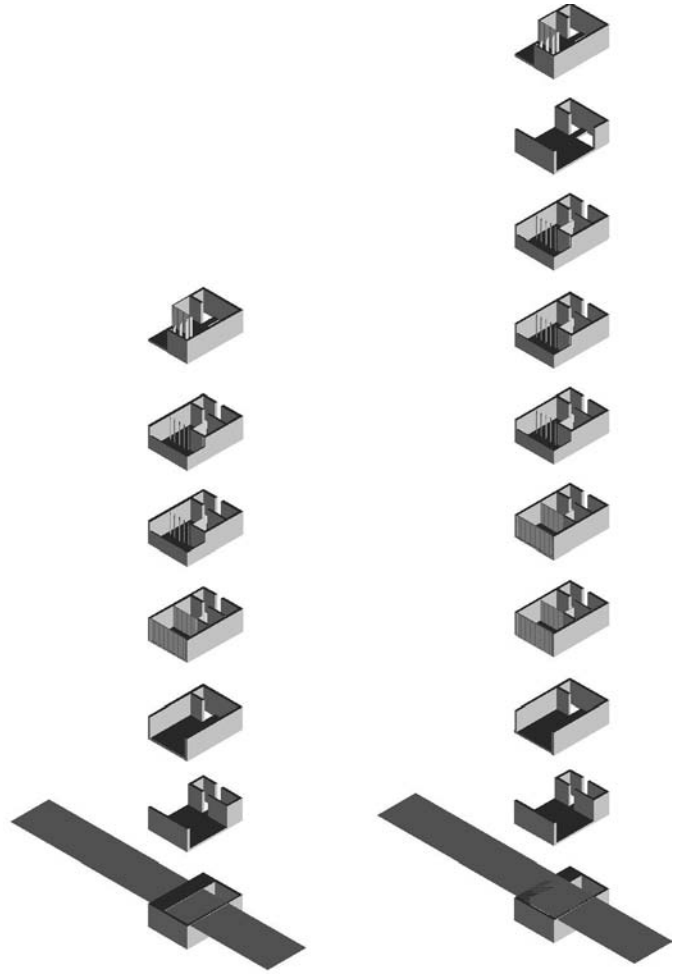
agrupación
group

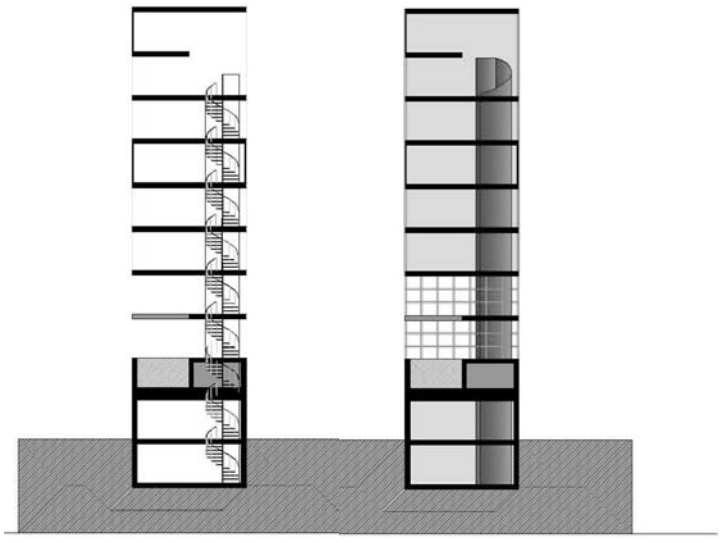
LEYRE **SENOSIAIN**



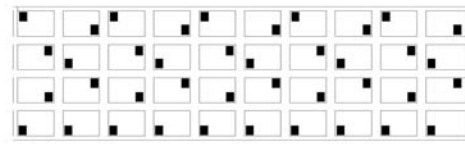
m
0 5

plantas
floor plans





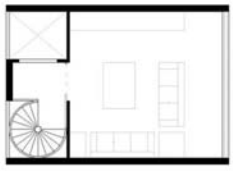
SECCIONES TIPO POR ESCALERA

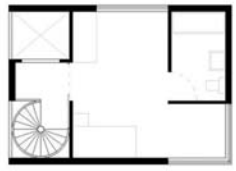


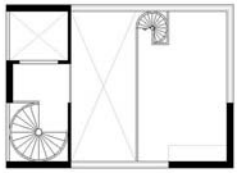
secciones
sections

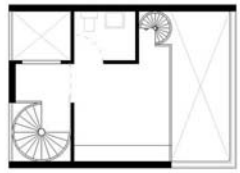
agrupación
group

JON MIKEL **DE BUSTURIA**



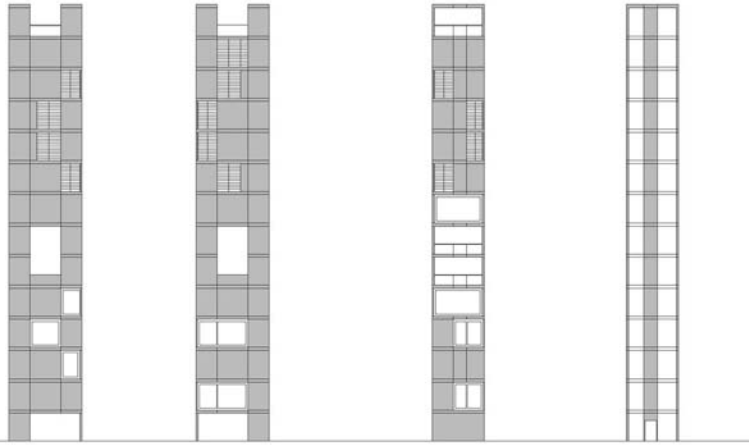






m
0 5

plantas
floors



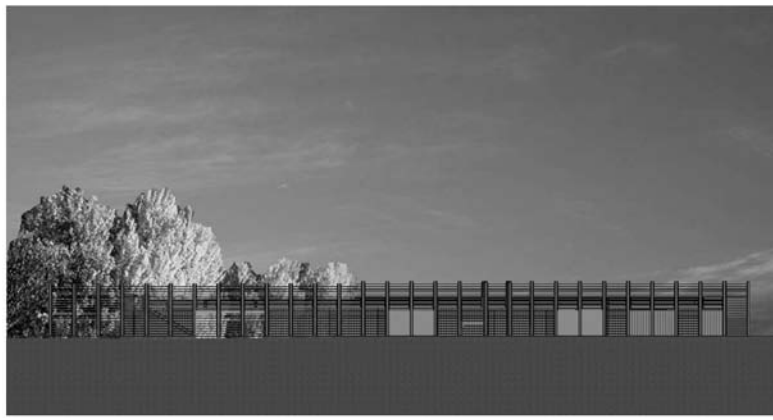
Equipamiento para la ciudad horizontal

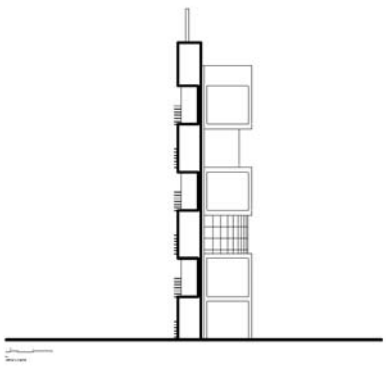
Facility for the horizontal city

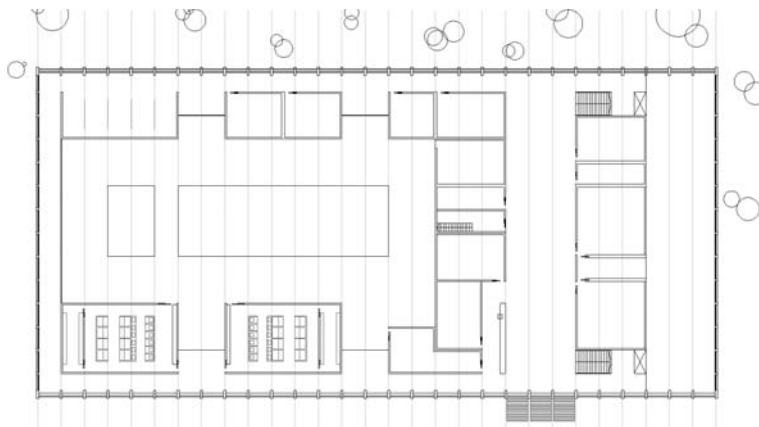
El ejercicio propone la construcción de un equipamiento comunitario que soporte determinadas funciones públicas de la agrupación proyectada en el ejercicio anterior. El edificio se construirá en un lugar a determinar por el alumno dentro del rectángulo de 100 x 300 m propuesto en el primer ejercicio del curso. El edificio debe poseer los adecuados accesos rodados y peatonales. Se permite realizar una nueva ordenación de las viviendas para adecuar la actuación a la incorporación del nuevo volumen. Las viviendas realizadas, sin embargo, no son objeto del presente ejercicio.

The exercise proposes the construction of a communal facility that can support certain public functions of the grouping proposed in the last exercise. The building will be built somewhere determined by the student inside the 100 x 300 meter rectangle proposed in the first exercise of the course. The building must have the appropriate pedestrian and automobile access. Housing might be rearranged in order to incorporate the new volume. Built houses, however, are not the aim of this exercis.

MARÍA **MARTÍNEZ**



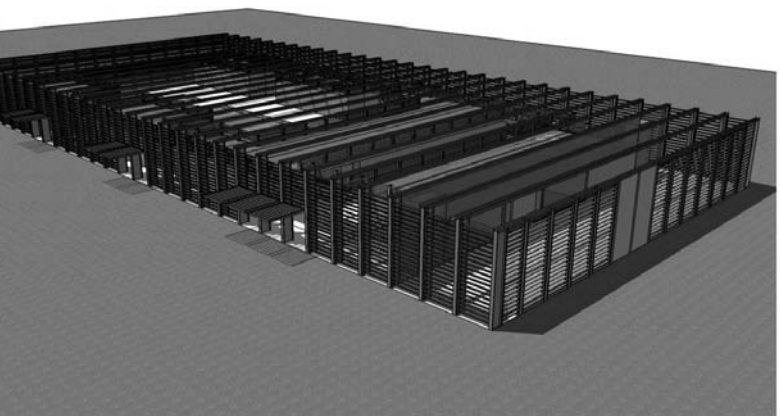


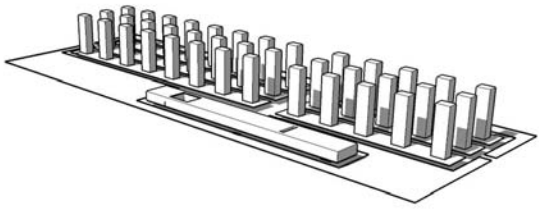


sección
section

m
0 20

planta primera
first floor





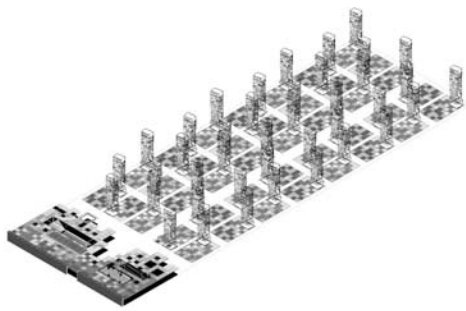
MARÍA **ALBIZURI**

m
0 20

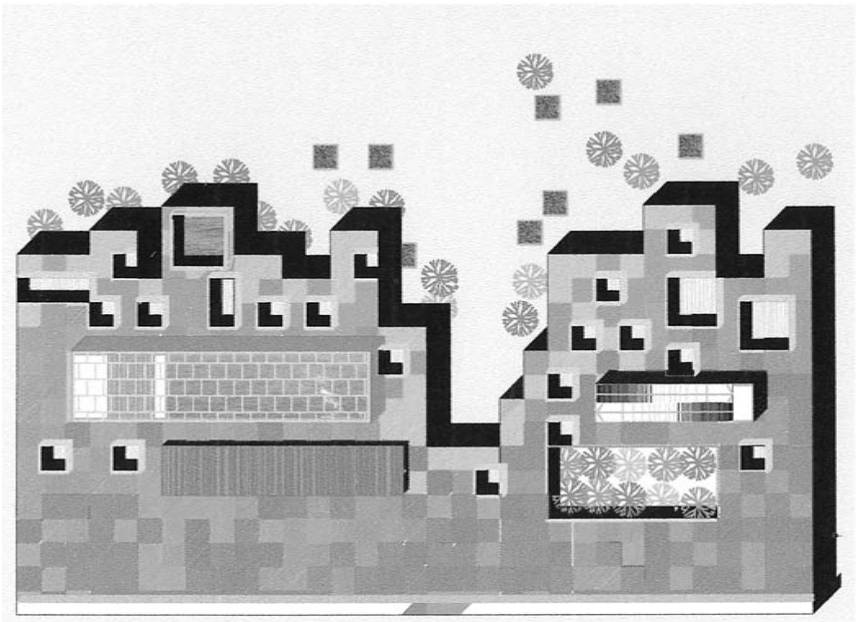
sección
section

planta baja
ground floor

IZASKUN **BILBAO**

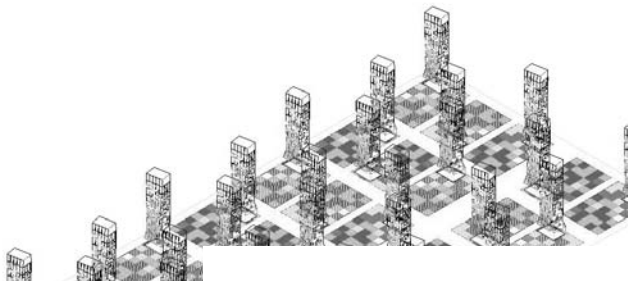


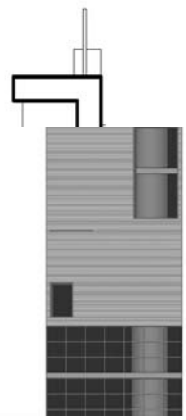
planta baja
ground floor



m
0 20

planta de cubiertas
roof plan

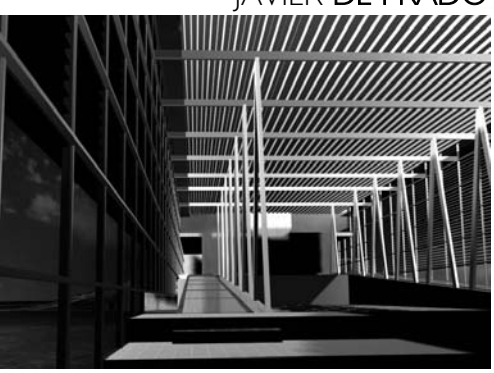


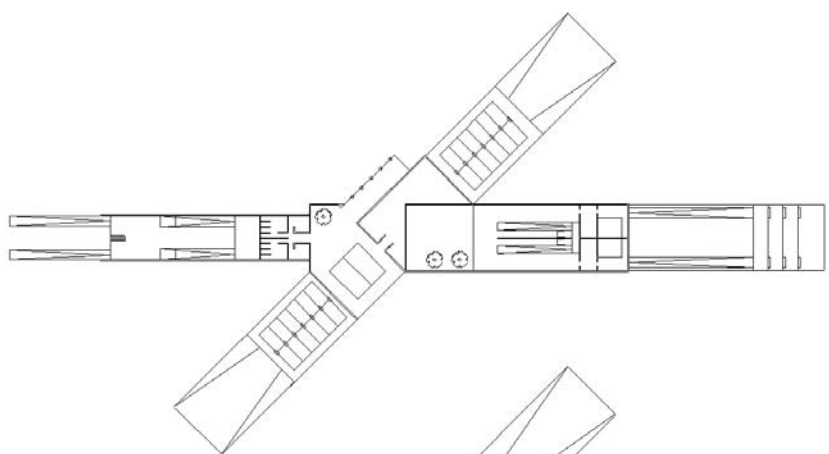


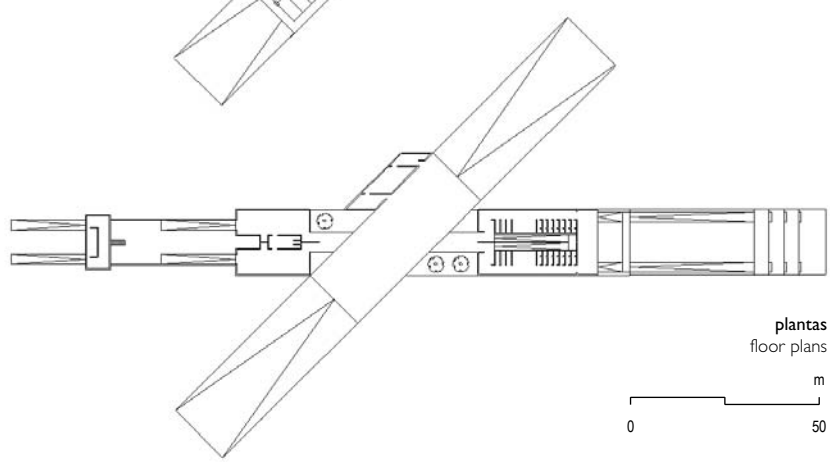
alzado
elevation

sección
section

JAVIER **DE PRADO**

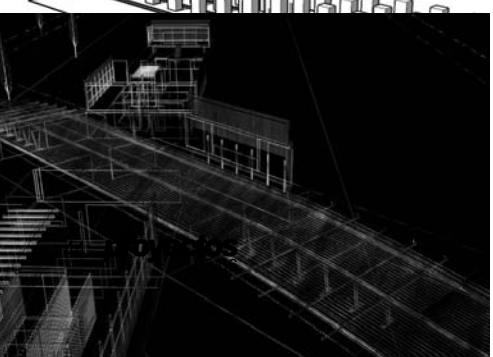


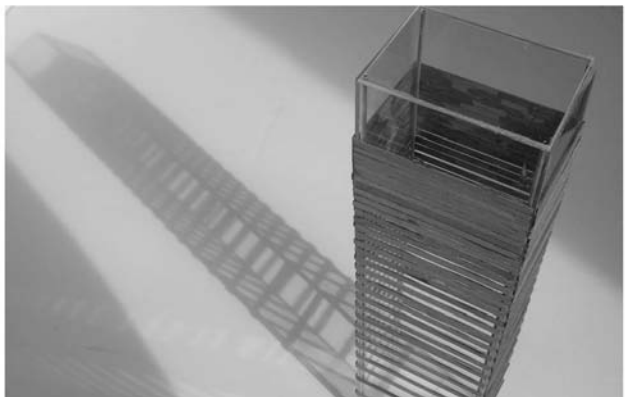


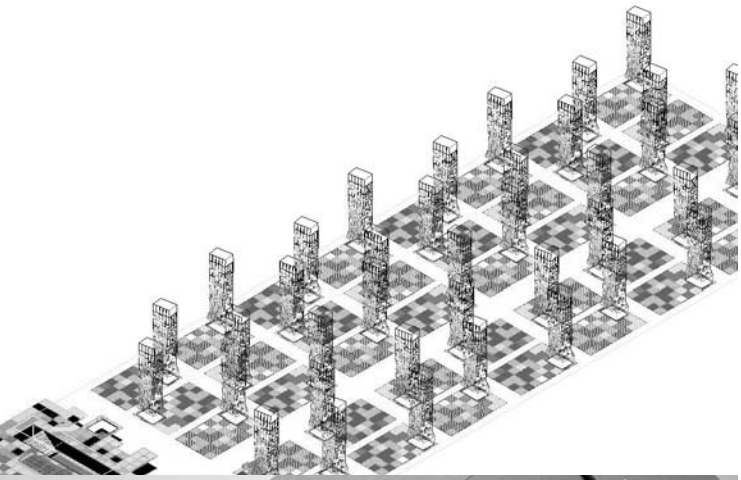


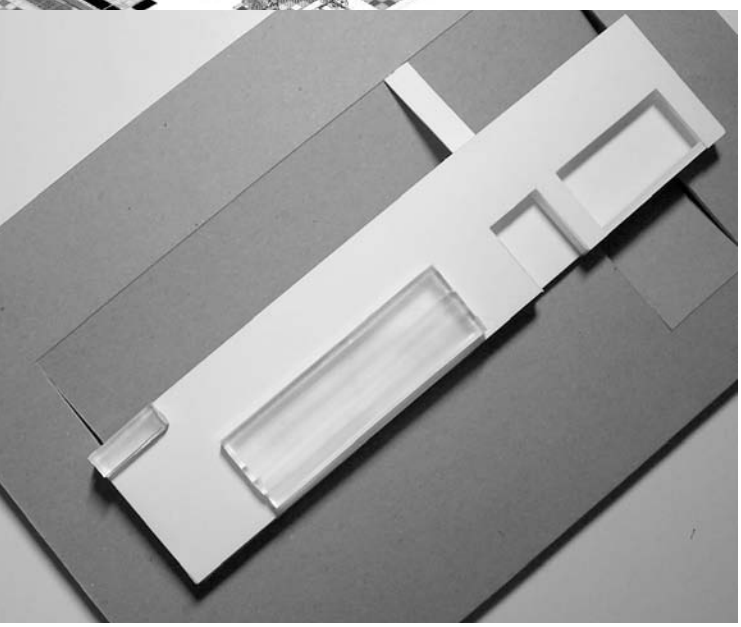
plantas
floor plans

m
0 50

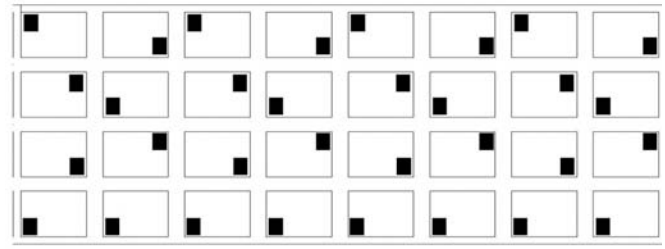




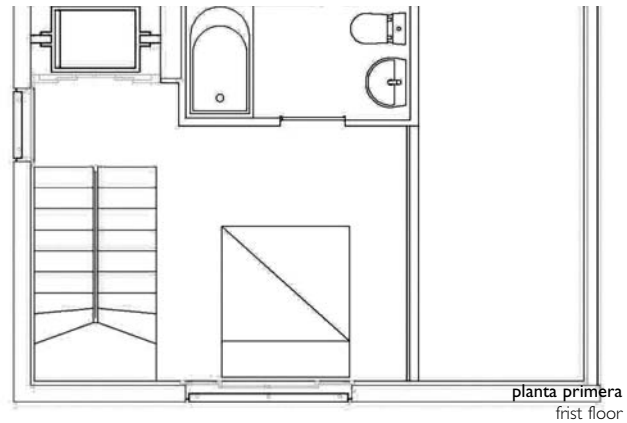




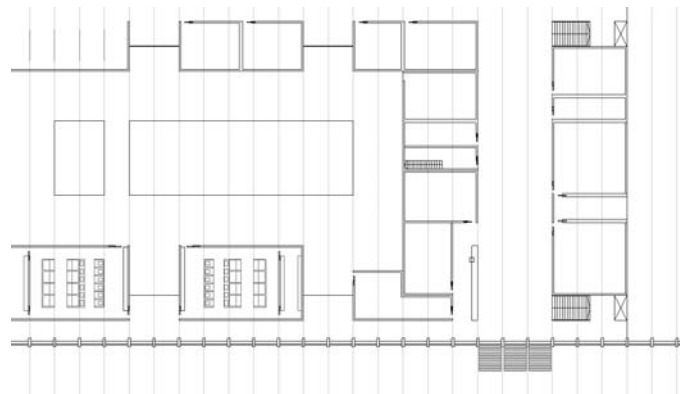
DAVID **SANTAMARÍA**



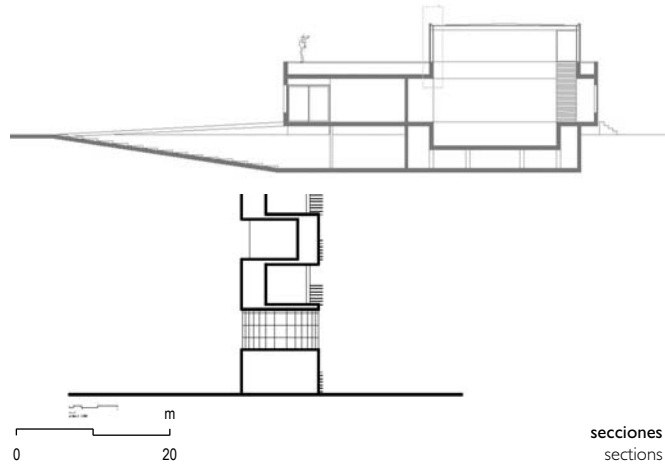
agrupación
group



planta primera
frist floor



planta segunda
second floor



secciones
sections

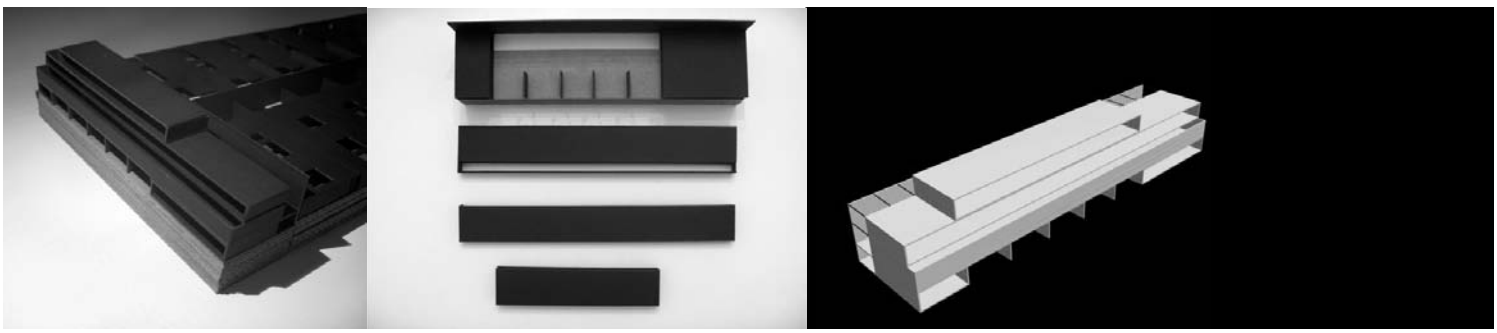
Equipamiento para la periferia
Facility for the periphery

El ejercicio se plantea como una continuación de la experiencia urbana desarrollada en el ejercicio anterior. Propone, dentro de la manzana de viviendas resuelta por cada alumno, la construcción de un centro de salud con funciones básicas de consulta. Se trata de un equipamiento comunitario importante para el adecuado funcionamiento de una agrupación suburbana. El edificio se construirá en una franja de 61 x 14 m situada en el límite oeste de la manzana resuelta en el ejercicio anterior. Se permite sustituir un máximo de dos viviendas de las existentes. El resto de la manzana se mantendrá como ha sido proyectada en cada caso. Si es necesario, podrá reordenarse la actuación para adaptarse a la incorporación del equipamiento con el único límite de mantener 38 viviendas y las mismas limitaciones existentes. Son libres la edificabilidad, la ocupación, la altura, el número de plantas, los retranqueos y la forma de la edificación. Existe un máximo de 8 m de accesos rodados, distribuidos libremente en los tres lados exteriores del solar. No se permiten sótanos ni voladizos fuera del límite del solar. No se permiten vistas sobre las viviendas situadas en la misma manzana (lado este del solar), para lo cual se permite la utilización de los mecanismos arquitectónicos que se estimen necesarios.

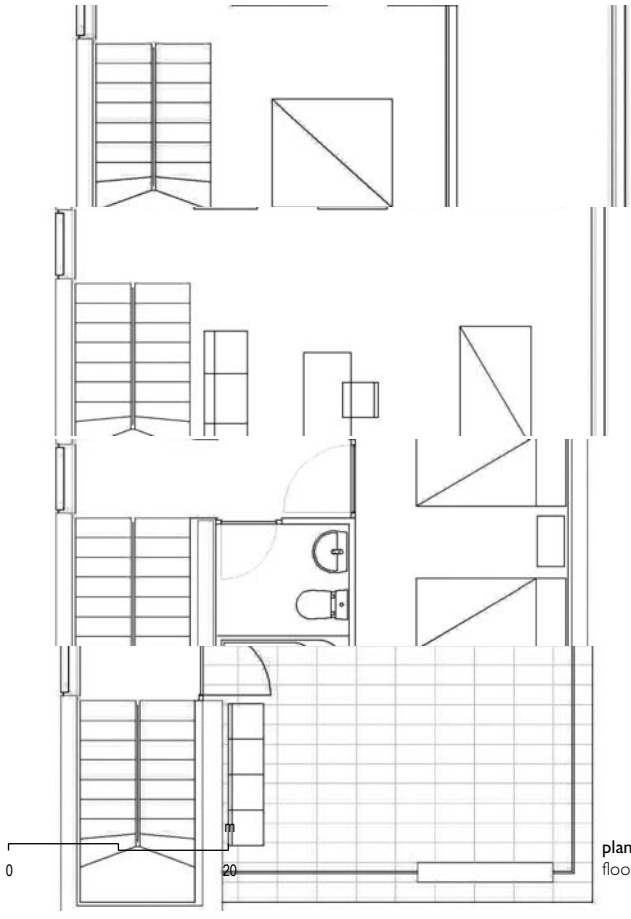
The exercise is proposed as a continuation of the urban experience developed in the previous exercise. It proposes the building of a health center with basic consultation functions inside the housing complex solved by each student. It is an important community facility for the adequate functioning of a suburbial urbanization. The building will be built in a 61 x 14 m strip located in the west end of the Group solved in the last exercise. Allowing for a maximum of 2 existing houses to be substituted, the rest of the block will be maintained as planned in each case. If necessary, the intervention will be rearranged to incorporate the facility with the only limit of maintaining 38 houses and the same existing restrictions. The built surface, occupation, height, amount of levels, setbacks and the building shape are unrestricted. There is a maximum of 8 meters for automobile access, freely distributed on the three exterior sides of the plot. Basements and cantilevers are not allowed outside of the plot. Views over the dwellings located on the same block are not allowed (east side of the plot); any architectural mechanism considered suitable is allowed for this purpose.

plantas segunda y tercera
second and third floors

ANDRÉS **TABERA**

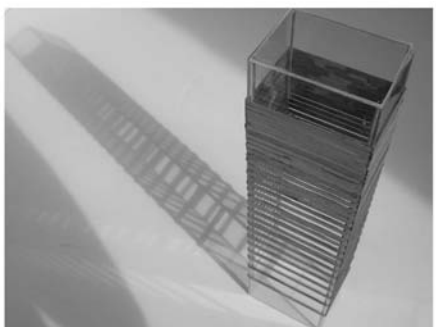


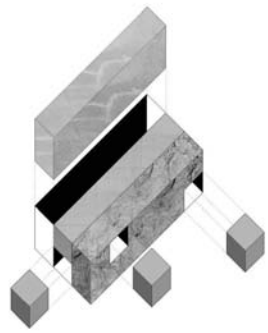
plantas
floor plans

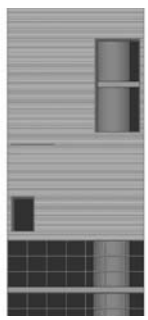


plantas
floor plans

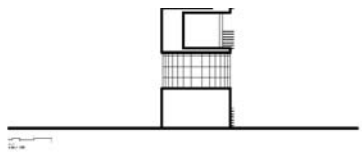
JAVIER **ESKISABEL**







alzado
elevation

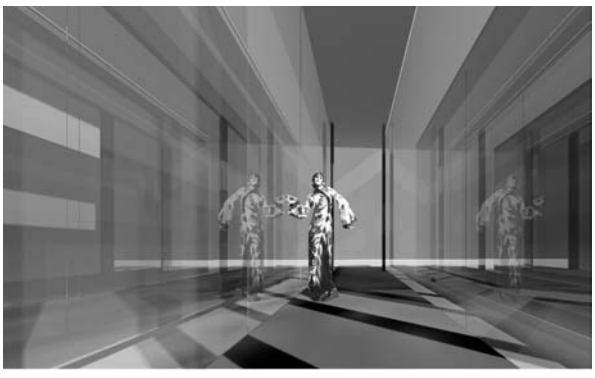


sección
section

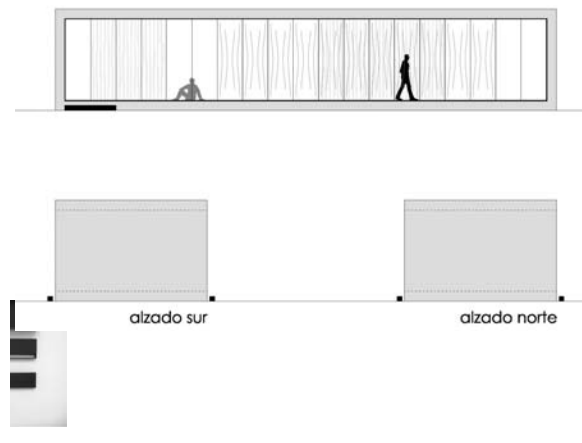
Construir conceptos de arquitectura
Building architectural concepts

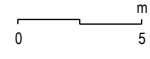
MASA_GRAVEDAD_LUZ_TRANSPARENCIA_LIGEREZA_ALZADO_PLANTA_SECCIÓN_VOLUMEN_VACÍO
Una exposición pública pretende mostrar los diez conceptos de arquitectura expresados en la relación anterior. Un parque sensiblemente horizontal, sin caminos, totalmente cubierto de césped, con algunos árboles, servirá de base para la construcción de diez pequeños pabellones, distantes entre sí, que podrán ser atravesados por el paseante para experimentar cada uno de los conceptos seleccionados. El programa de cada pabellón será únicamente un espacio de 50 m2 de forma libre cuya única condición es ser atravesable y cuya única utilidad es demostrar la capacidad expresiva y espacial de la arquitectura, en concreto, su vinculación plástica y significativa con cada concepto. El resto de necesidades programáticas (oficinas, aulas, salas de exposiciones, aseos…) se resuelven en otros edificios preexistentes en el parque, suficientemente alejados de los nuevos pabellones. No existe ninguna restricción urbanística. El clima y la luz de la zona son similares a los de Pamplona.

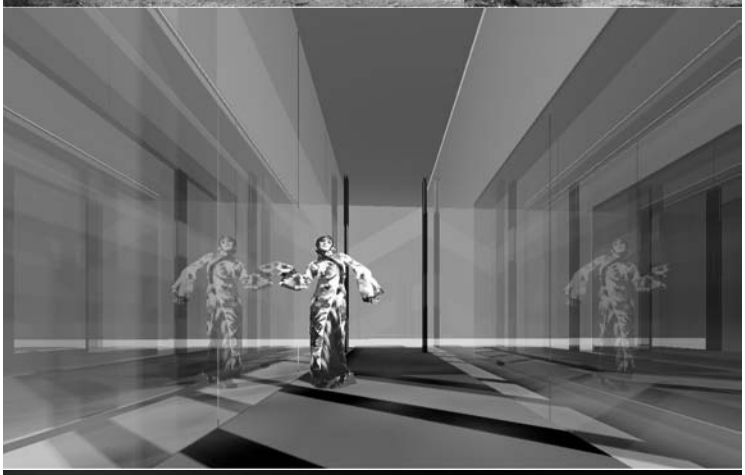
MASS_GRAVITIY_LIGHT_TRANSPARENCY_LIGHTNESS_ELEVATION_FLOORPLAN_SECTION_VOLUME_VOID
Public exhibition aims at portraying the ten architectural concepts previously expressed. A slightly horizontal park, without paths, totally covered with grass, with a few trees, will work as a base for the construction of ten small pavilions, distant among them, that can be crossed by passersby to experience each one of the selected Concepts. Each pavilion's program will only be a 50m2 freely shaped space with the only condition that they can be crossed and whose only functionality is demonstrating the expressive and spatial capability of architecture, specifically, its formal and significative link to each concept. The remaining program requirements (offices, lecture rooms, exhibition halls, toilets…) are solved in other existing buildings in the park, located conveniently away from the new pavilions. There is no planning restriction. The climate and light of the area are similar to that in Pamplona.

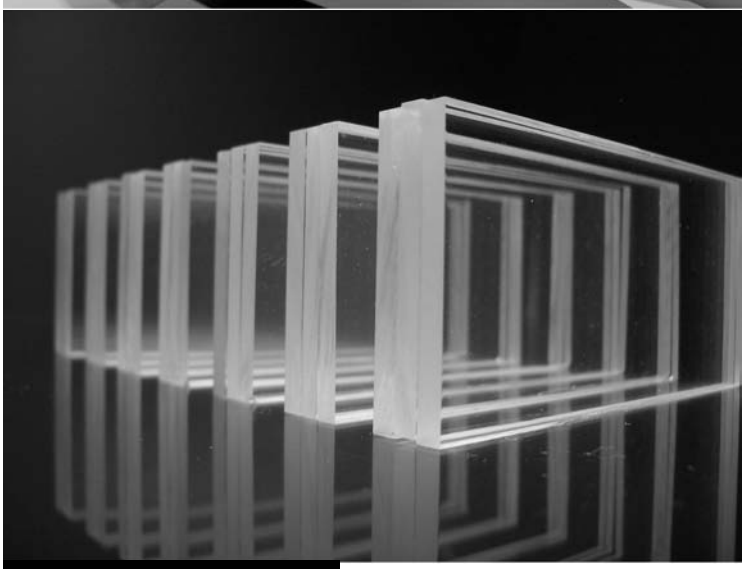


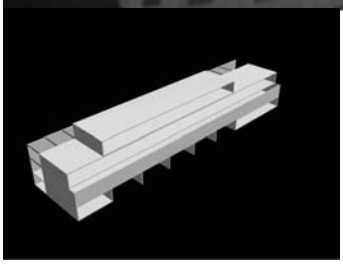
TRANSPARENCIA / TRANSPARENCY
IKER **LEOZ**





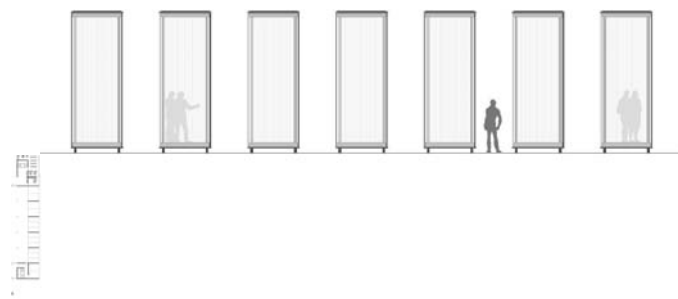


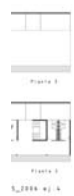


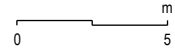


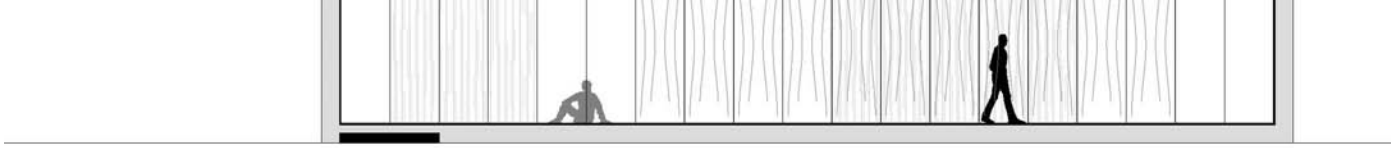
TRANSPARENCIA / TRANSPARENCY

DAVID **SANTAMARÍA**







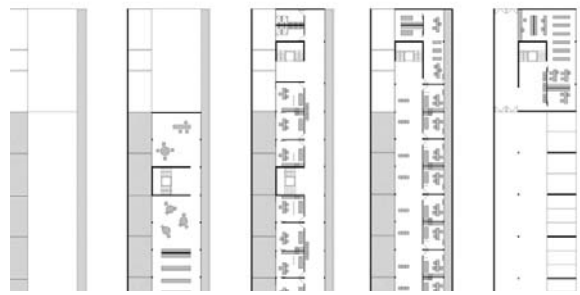


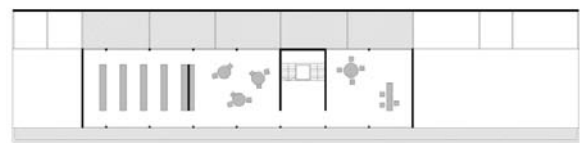
alzado oeste e_1:100

alzado sur

alzado norte

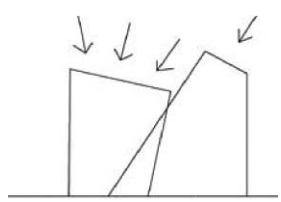
VACÍO / VOID
MARIANA **ERECACHO**

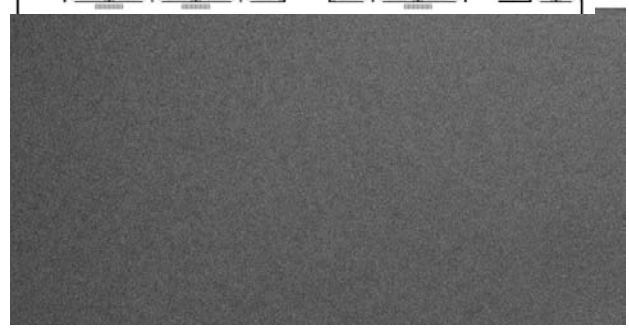


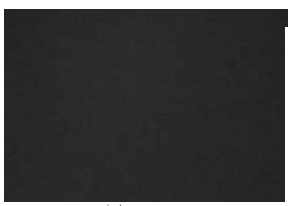


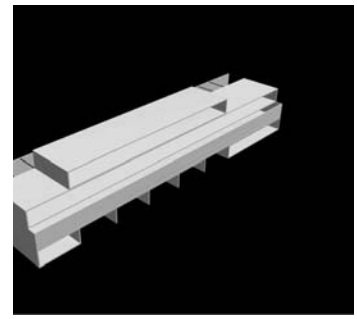
Planta 3

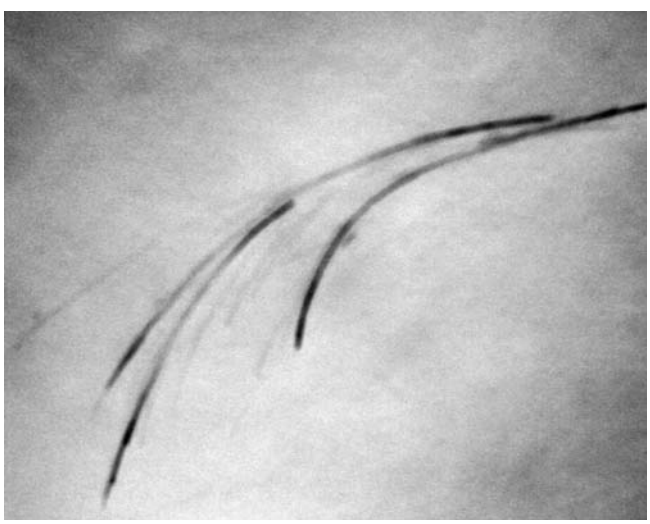
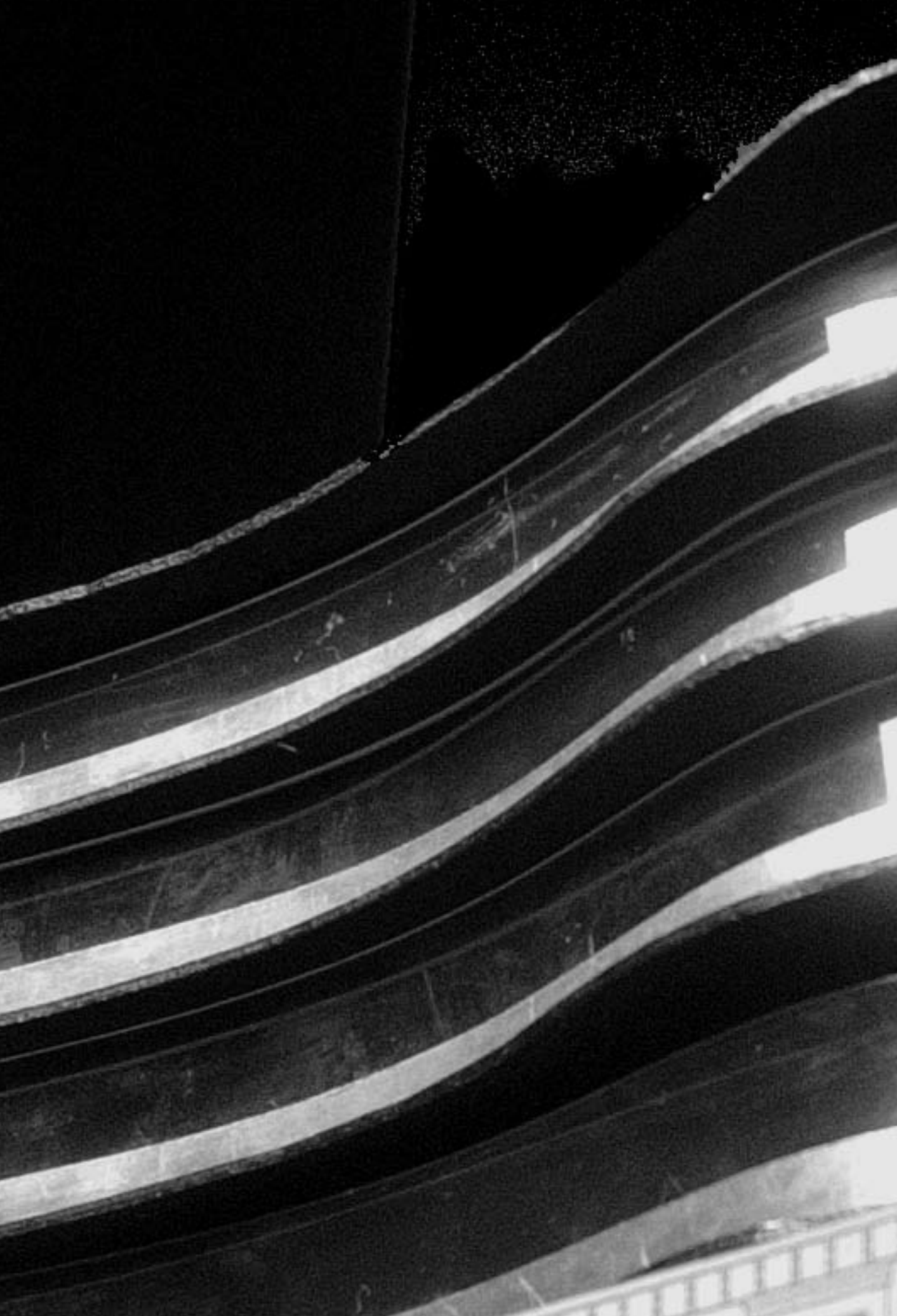
LUZ / LIGHT
LEYRE **SENOSAIN**









TRANSPARENCIA / TRANSPARENCY
ANDRÉS **TABERA**

GRAVEDAD / GRAVITY
JAVIER **DE PRADO**