



L'ORFEBRERIA

BARCELONA 1963

SANCHO DE ÁVILA 41, BARCELONA 08018



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L'ORFEBRERIA

SANCHO DE ÁVILA 41, BARCELONA 08018



33 lofts in the heart of Barcelona

The old Poble Nou goldsmith,
where Hermes and Tiffany produced their most special pieces,
has been reinvented to hold bright and spacious lofts,
conceived to allow guests to enjoy the 'new' Barcelona.



The Lofts

Spaces conceived for the expression of personality
and creativity.

A brutalist structure involving a blend of natural
materials, designed to enjoy the light and space
with total freedom.

A place for savouring life.

A pool on the rooftop

Soak up Barcelona's skyline from our panoramic swimming pool. Relax on the terrace.
You're in the Mediterranean!



A garden in the city

The central garden floods the lofts with light and fresh air.

An oasis of tranquility and nature, where you can escape the hustle and bustle of city life.





The place

Poble Nou's 22@ district is the home of large technology companies and start-ups; the best universities and fashion designers; cutting-edge museums and theatres; parks and the beach; and the city's coolest venues.

Poblenou is the place to be.

A district of old industrial workshops converted into art galleries.

A neighbourhood of designers and start-ups in Barcelona's most cutting-edge location.

The Lofts

Spacious, comfortable and sound-isolated living spaces which exude calm, striking the perfect balance between luxury and lifestyle. The art of living well.



The terraces

The private terraces are the perfect spot for enjoying the sunset with your friends.





The gardens

The ground floor lofts have direct access to fantastic gardens. Enjoy the green space and direct sunlight from the intimacy of your loft.



Inspired by the best international architecture
we have created Mediterranean Lofts
that open toward gardens and terraces



An open and bright space
perfect setting for
bringing people together



Materials have been chosen to accentuate the warmth and luxury of the space



Modern minimalism with top-quality finishes

The project

L'Orfebreria believes strongly in sustainability and reuses this brutalist jewel first built in 1963, converting it into lofts, gardens and terraces, enhancing its character and bringing it into the 21st century.



Preserving heritage is part of Poblenou's identity.



In L'Orfebreria, history, rationalism and sustainability come together.



The original building built in 1963, designed by architects G. Giráldez, P. López and J. Subías, was extended in the 1970s with the addition of a top floor. In 2019, architect Inés Rodríguez took on the refurbishment project.



The building marks the meeting point between the old agricultural Poble Nou and the edge of the Plan Cerdà urban expansion project, endowing the building with a deeper meaning and loading it with history.



What was previously the centre of an old workshop is now an amazing garden which allows the various lofts to breathe.



The rationalist hallway has been brought up-to-date, conserving the original stairway



Relax, Refresh, Revive

The panoramic pool is the perfect way to end a day, or to begin a night.



L'Orfebreria is the place to be.

The Floor Plans

L'ORFEBRERIA

BARCELONA 1963

PASSATGE DE RATÉS

PB-1^a
74,25m²
Ext.: 52,05m²

PB-2^a
75,74m²

PB-3^a
75,44m²

PB-4^a
75,44m²

PB-5^a
102,80m²

PB-6^a
81,00m²

PB-11^a
109,63m²
Ext.: 86,15m²

PB-10^a
74,55m²
Ext.: 104,86m²

PB-9^a
75,44m²
Ext.: 25,16m²

PB-8^a
75,44m²
Ext.: 26,76m²

PB-7^a
59,04m²
Ext.: 21,71m²

C/SANCHO DE ÁVILA



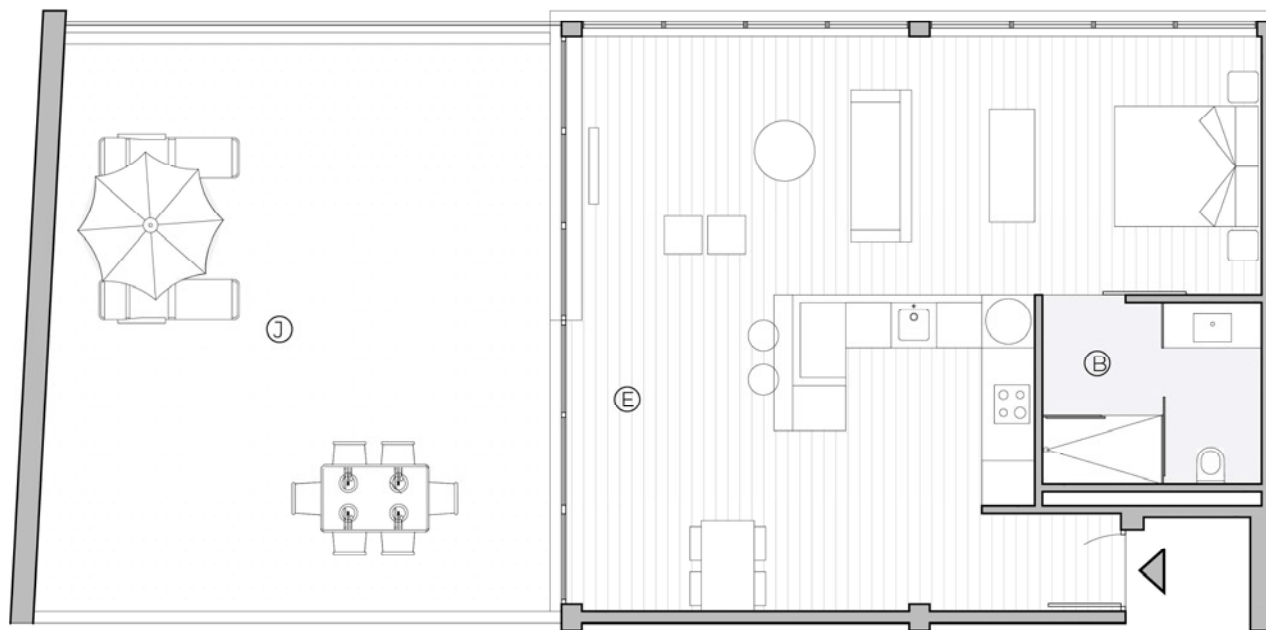
PLANTA BAJA
PLANTA BAIXA
GROUND FLOOR

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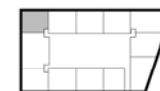
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 1^a



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 57.84 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

JARDÍN 52.05 m²

SUPERFICIE CONSTRUÍDA 74.25 m²

0 1 3 5



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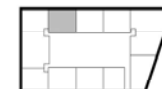
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 2ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 59.57 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 75.74 m²

0 1 3 5



SANCHO DE ÁVILA 41, BARCELONA 08018

 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 3ª

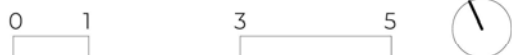


SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 59.57 m²

BAÑO 6.96 m²

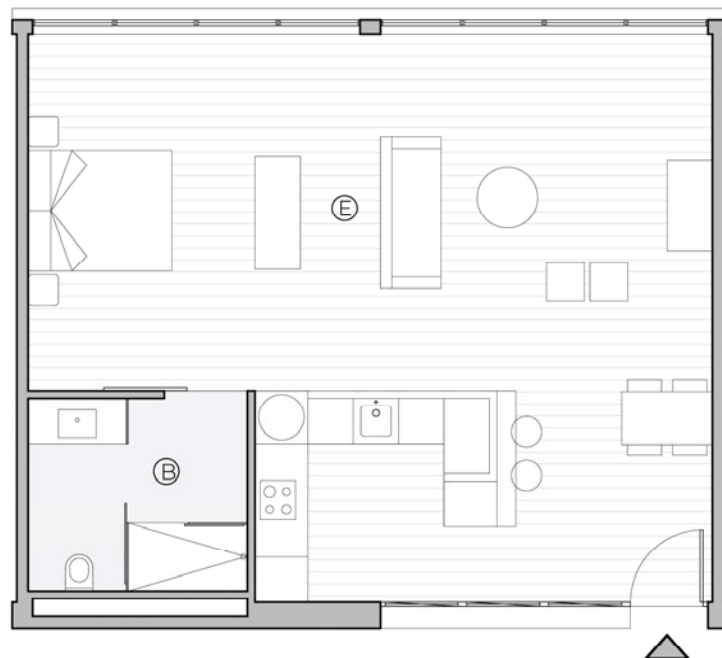
SUPERFICIE CONSTRUÍDA 75.44 m²



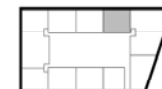
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L'ORFEBRERIA

BARCELONA 1963



PB - 4ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 59.57 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 75.44 m²

0 1 3 5



SANCHO DE ÁVILA 41, BARCELONA 08018

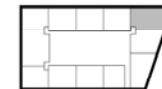
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 5ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	79.68 m ²
BAÑO 1	6.96 m ²
BAÑO 2	3.04 m ²

SUPERFICIE CONSTRUÍDA 102.80 m²



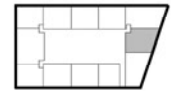
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L'ORFEBRERIA

BARCELONA 1963



PB - 6ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 62.81 m²

BAÑO 6.62 m²

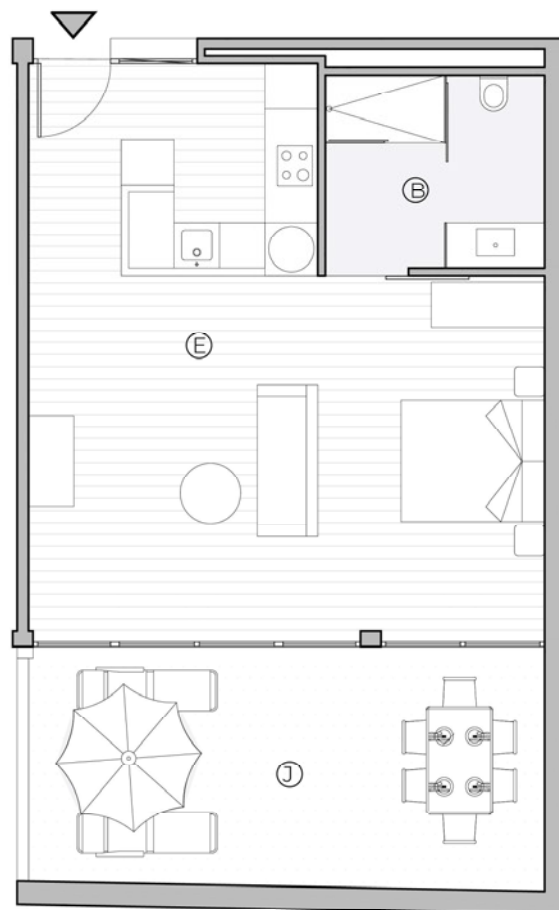
SUPERFICIE CONSTRUÍDA 81.00 m²



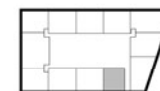
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L'ORFEBRERIA

BARCELONA 1963



PB - 7ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 43.76 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

JARDÍN 21.71 m²

SUPERFICIE CONSTRUÍDA 59.04 m²

0 1 3 5

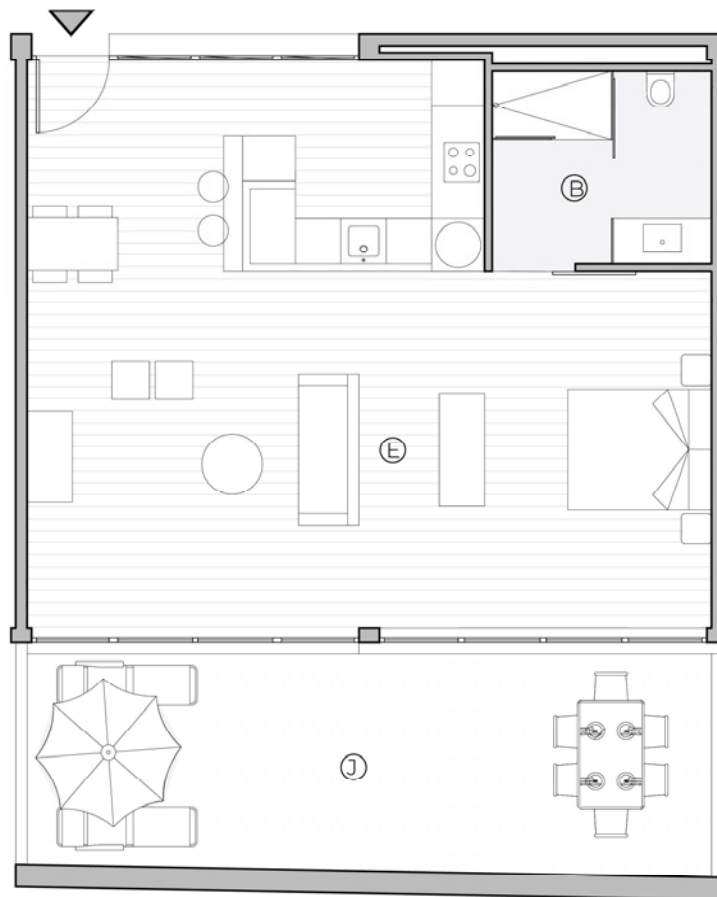


SANCHO DE ÁVILA 41, BARCELONA 08018

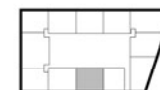
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 8ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 60.17 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

JARDÍN 26.76 m²

SUPERFICIE CONSTRUÍDA 75.44 m²

0 1 3 5

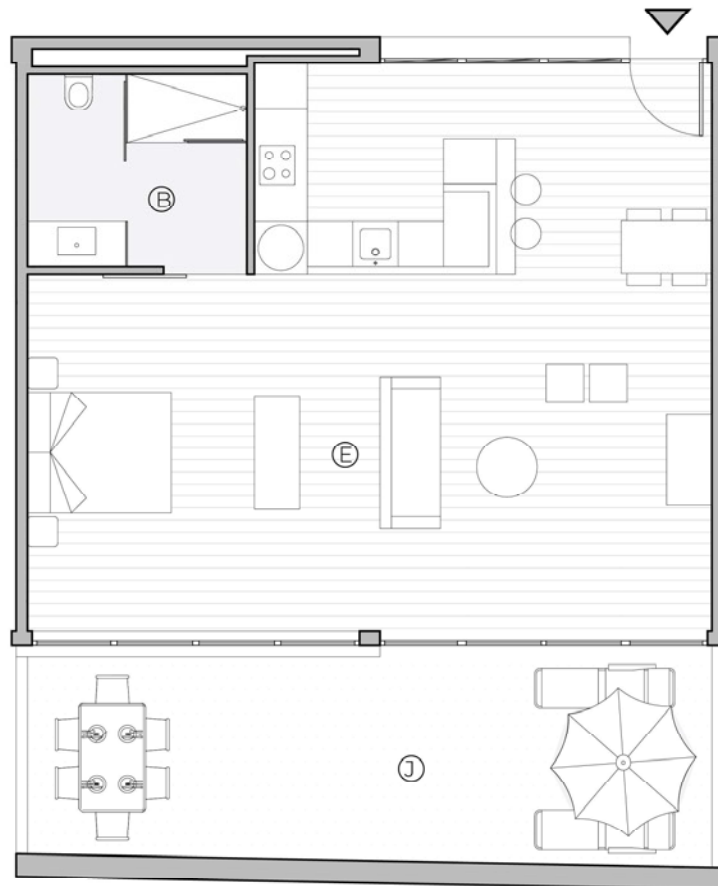


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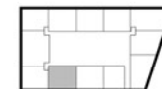
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 9^a



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 60.17 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

JARDÍN 25.16 m²

SUPERFICIE CONSTRUÍDA 75.44 m²

0 1 3 5

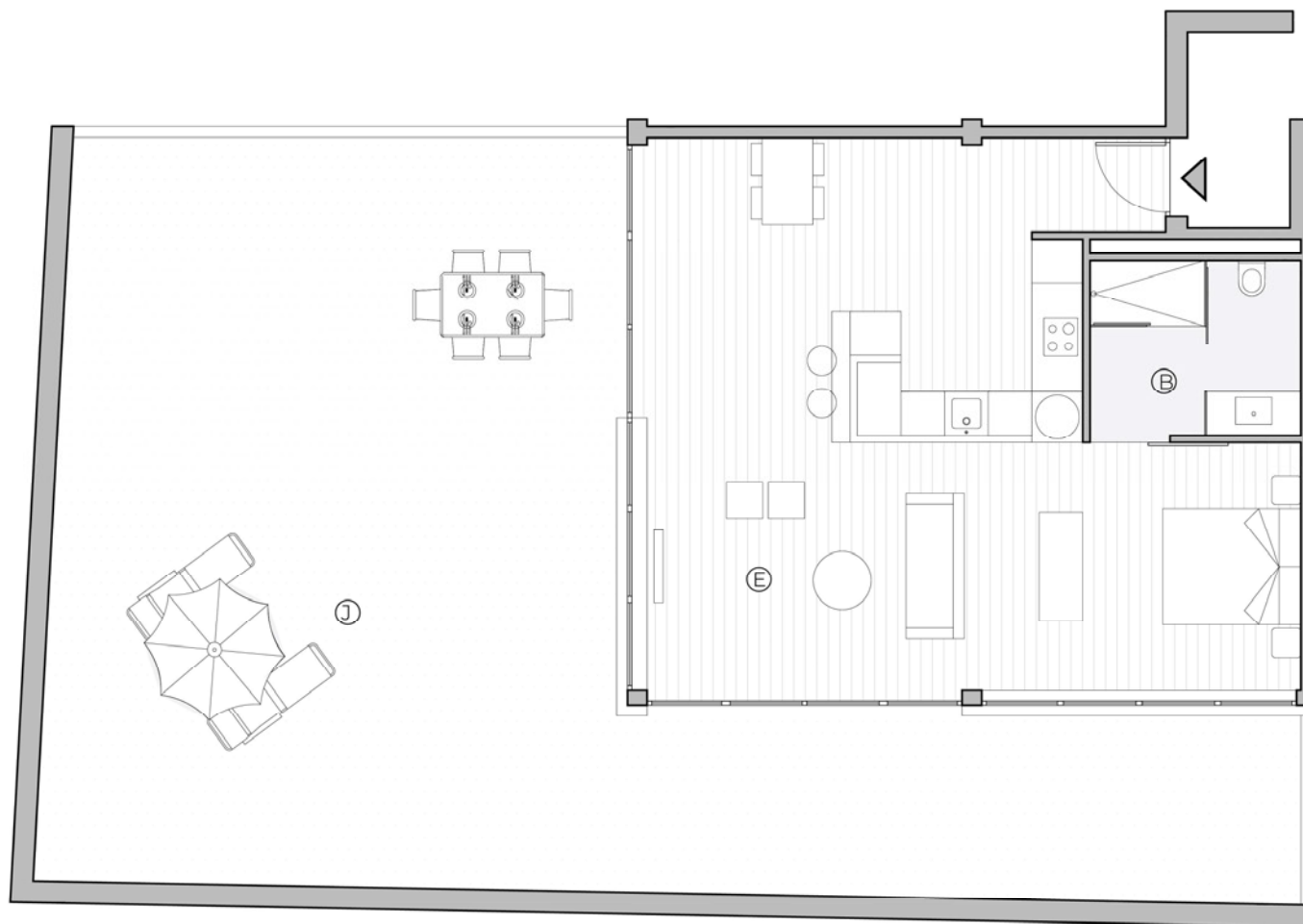


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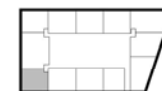
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 10ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 58.57 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

JARDÍN 104.86 m²

SUPERFICIE CONSTRUÍDA 74.55 m²

0 1 3 5

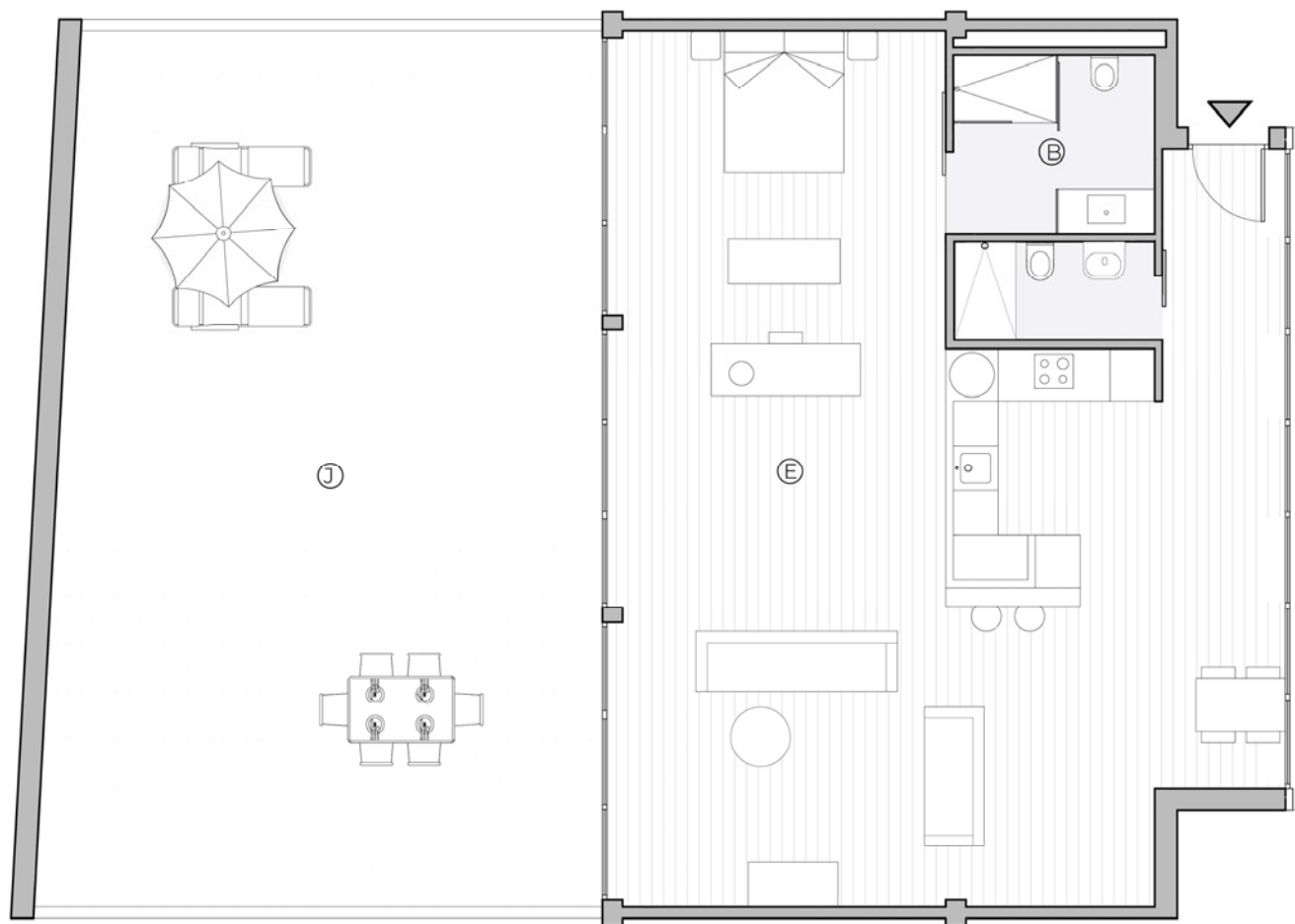


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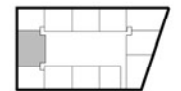
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



PB - 11^a



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	89.96 m ²
BAÑO 1	6.48 m ²
BAÑO 2	3.24 m ²

SUPERFICIE ÚTIL EXTERIOR

JARDÍN	86.15 m ²
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SUPERFICIE CONSTRUÍDA	109.63 m ²
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0 1 3 5



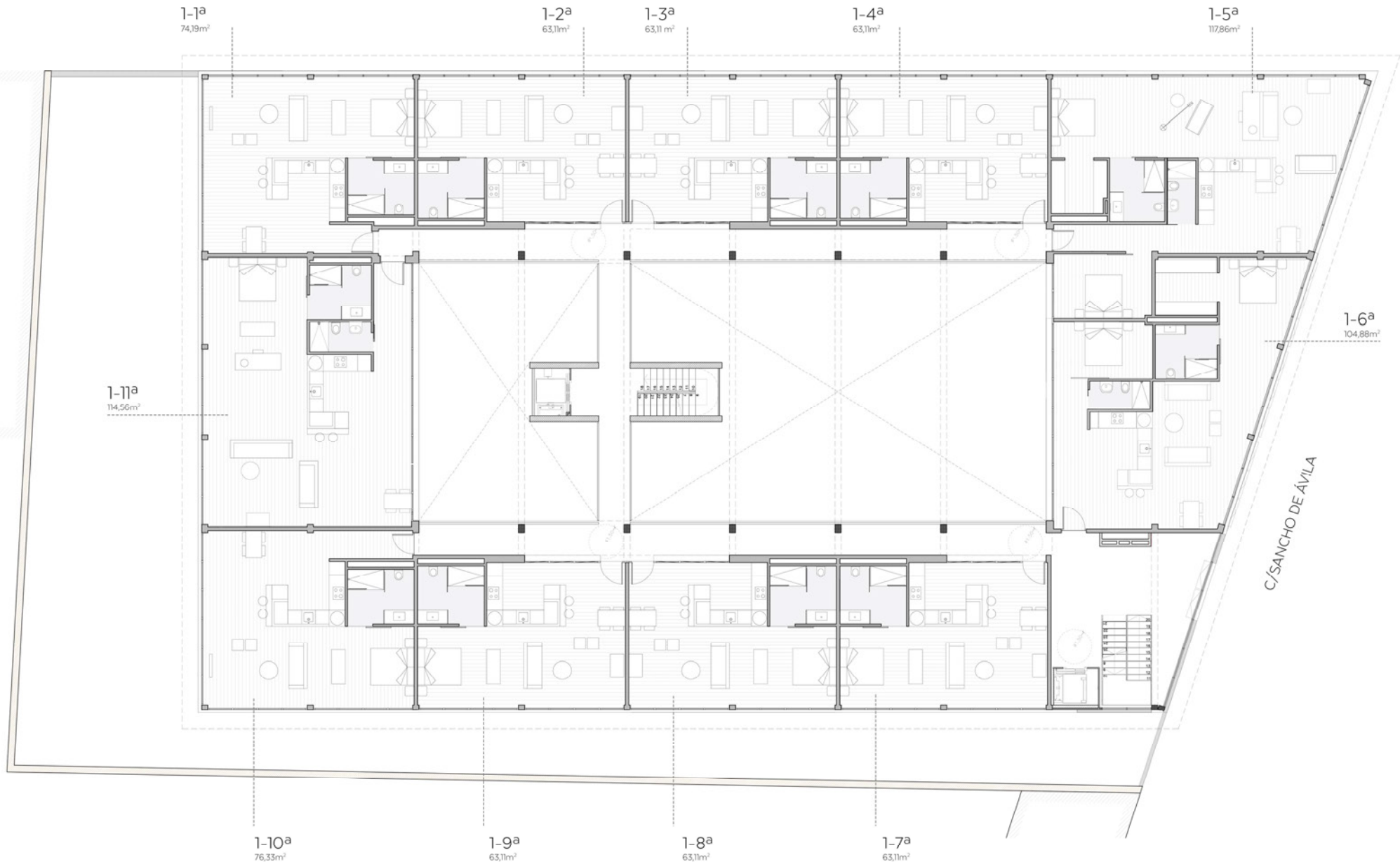
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L'ORFEBRERIA

BARCELONA 1963

PASSATGE DE RATÉS

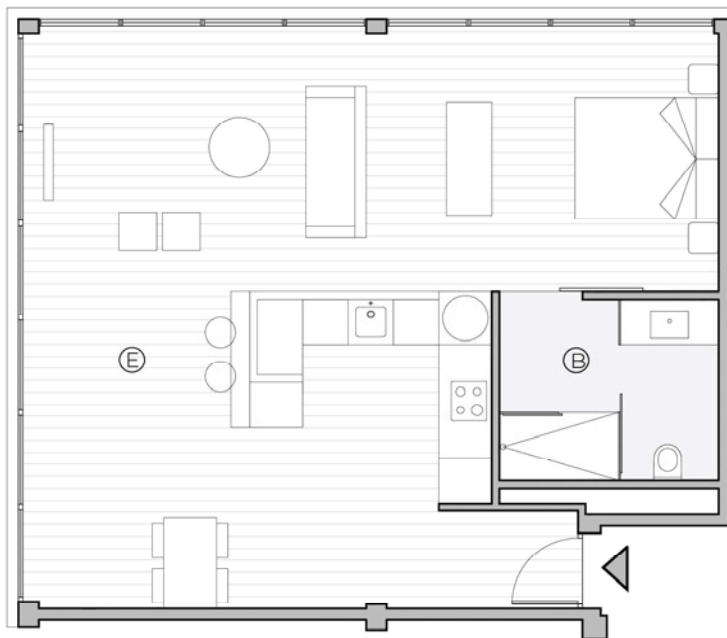


PLANTA PRIMERA
PLANTA PRIMERA
FIRST FLOOR

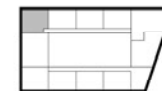
SANCHO DE ÁVILA 41, BARCELONA 08018

L'ORFEBRERIA

BARCELONA 1963



1º - 1ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 59.66 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 74.19 m²

0 1 3 5



SANCHO DE ÁVILA 41, BARCELONA 08018

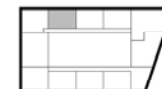
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



1º - 2ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 63.11 m²

0 1 3 5



SANCHO DE ÁVILA 41, BARCELONA 08018

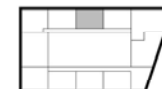
SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



1º - 3ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 63.11 m²

0 1 3 5



SANCHO DE ÁVILA 41, BARCELONA 08018

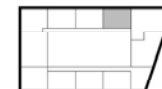
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



1º - 4ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 63.11 m²

0 1 3 5



SANCHO DE ÁVILA 41, BARCELONA 08018

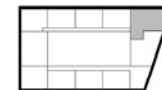
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



1º - 5ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	84.86 m ²
BAÑO 1	6.48 m ²
BAÑO 2	3.24 m ²
ESTUDIO	11.62 m ²

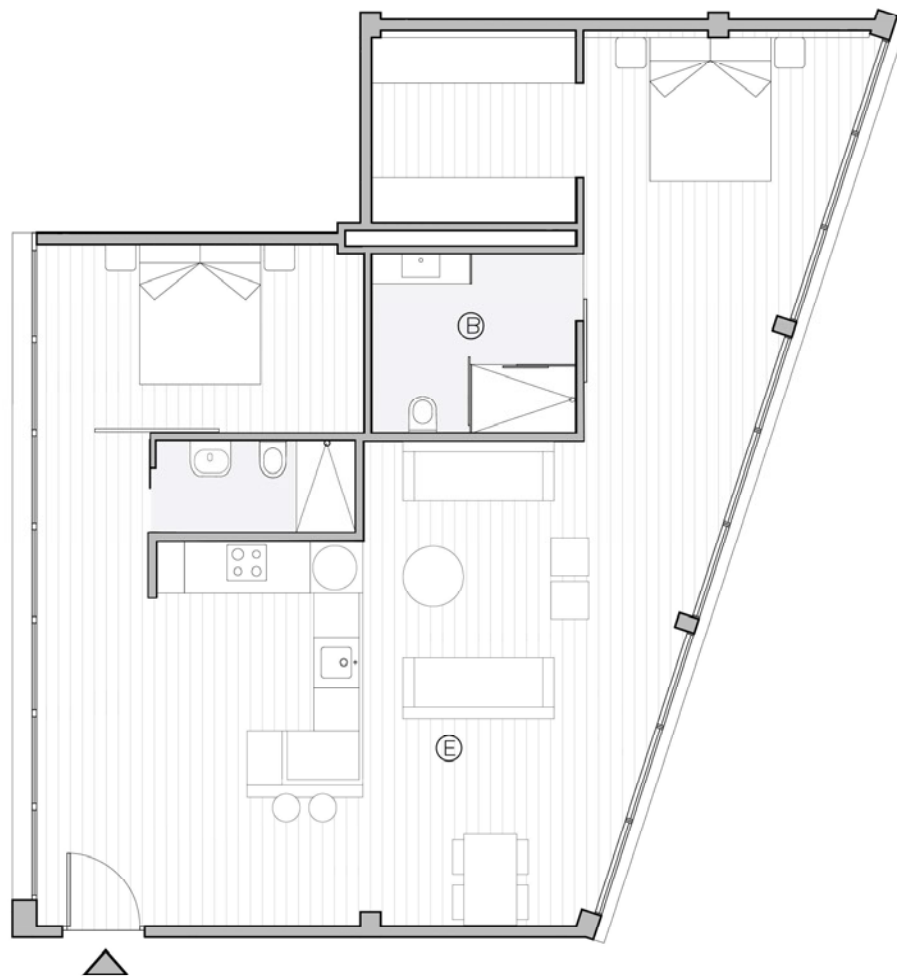
SUPERFICIE CONSTRUÍDA 117.86 m²



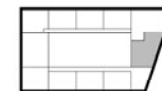
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L'ORFEBRERIA

BARCELONA 1963



1^o - 6^a



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	73.66 m ²
BAÑO 1	6.48 m ²
BAÑO 2	3.24 m ²
ESTUDIO	10.88 m ²

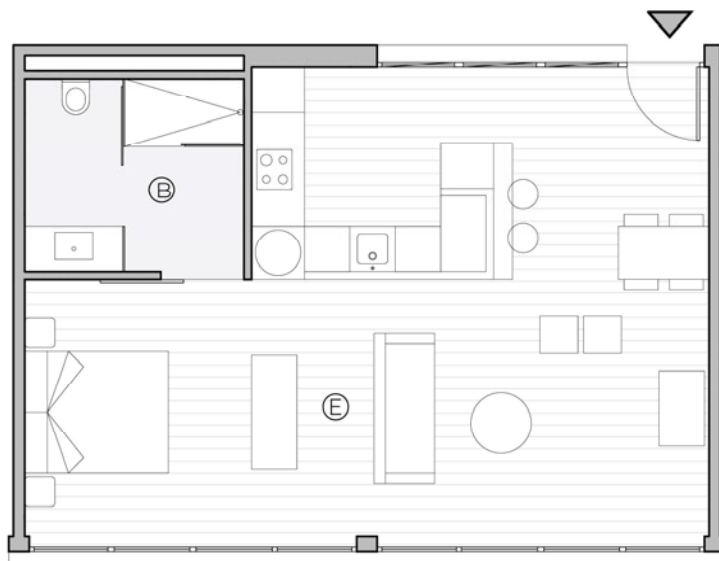
SUPERFICIE CONSTRUÍDA 104.88 m²



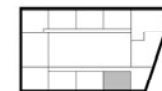
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L'ORFEBRERIA

BARCELONA 1963



1º - 7ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

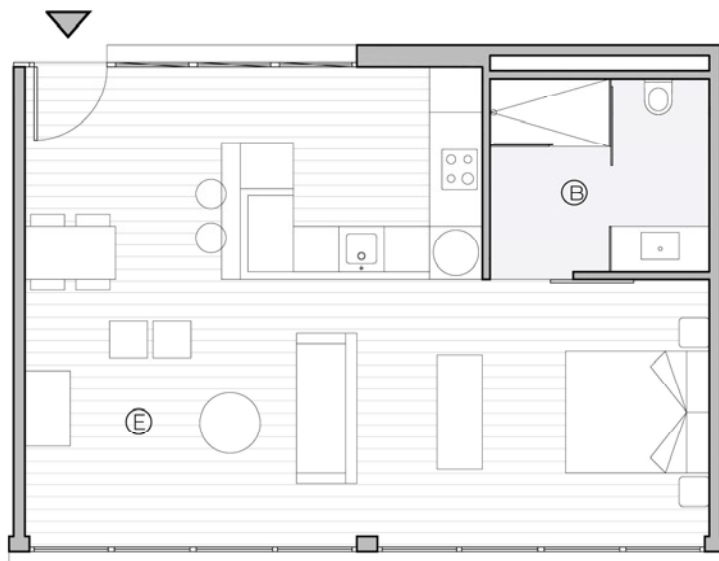
SUPERFICIE CONSTRUÍDA 63.11 m²



SANCHO DE ÁVILA 41, BARCELONA 08018

L'ORFEBRERIA

BARCELONA 1963



1º - 8ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 63.11 m²

0 1 3 5

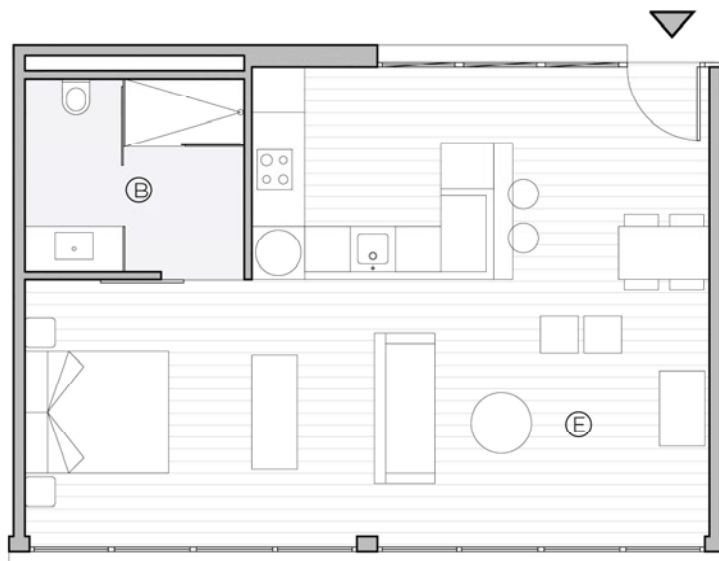


SANCHO DE ÁVILA 41, BARCELONA 08018

 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



1º - 9ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 63.11 m²

0 1 3 5

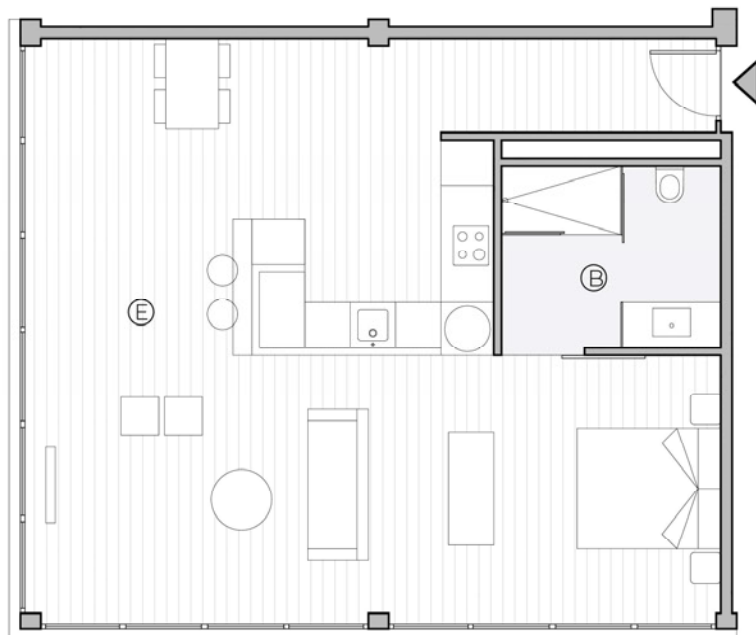


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L'ORFEBRERIA

BARCELONA 1963



1º - 10ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 62.03 m²

BAÑO 6.96 m²

SUPERFICIE CONSTRUÍDA 76.33 m²

0 1 3 5

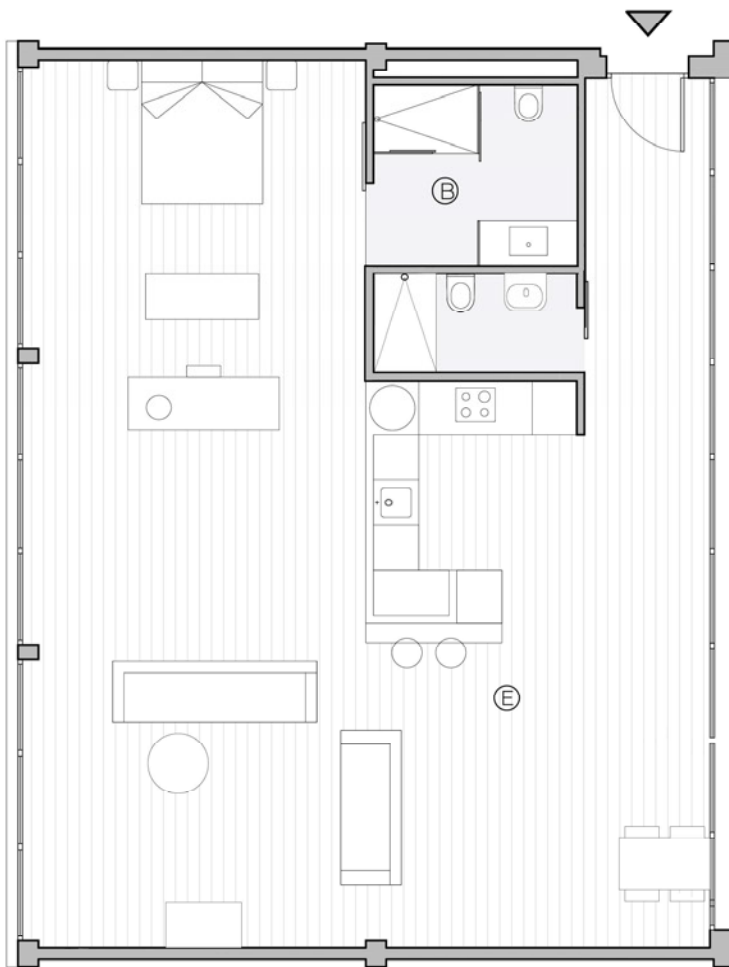


SANCHO DE ÁVILA 41, BARCELONA 08018

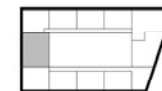
 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963



1º - 11ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	95.01 m ²
BAÑO 1	6.48 m ²
BAÑO 2	3.24 m ²

SUPERFICIE CONSTRUÍDA 114.56 m²

0 1 3 5



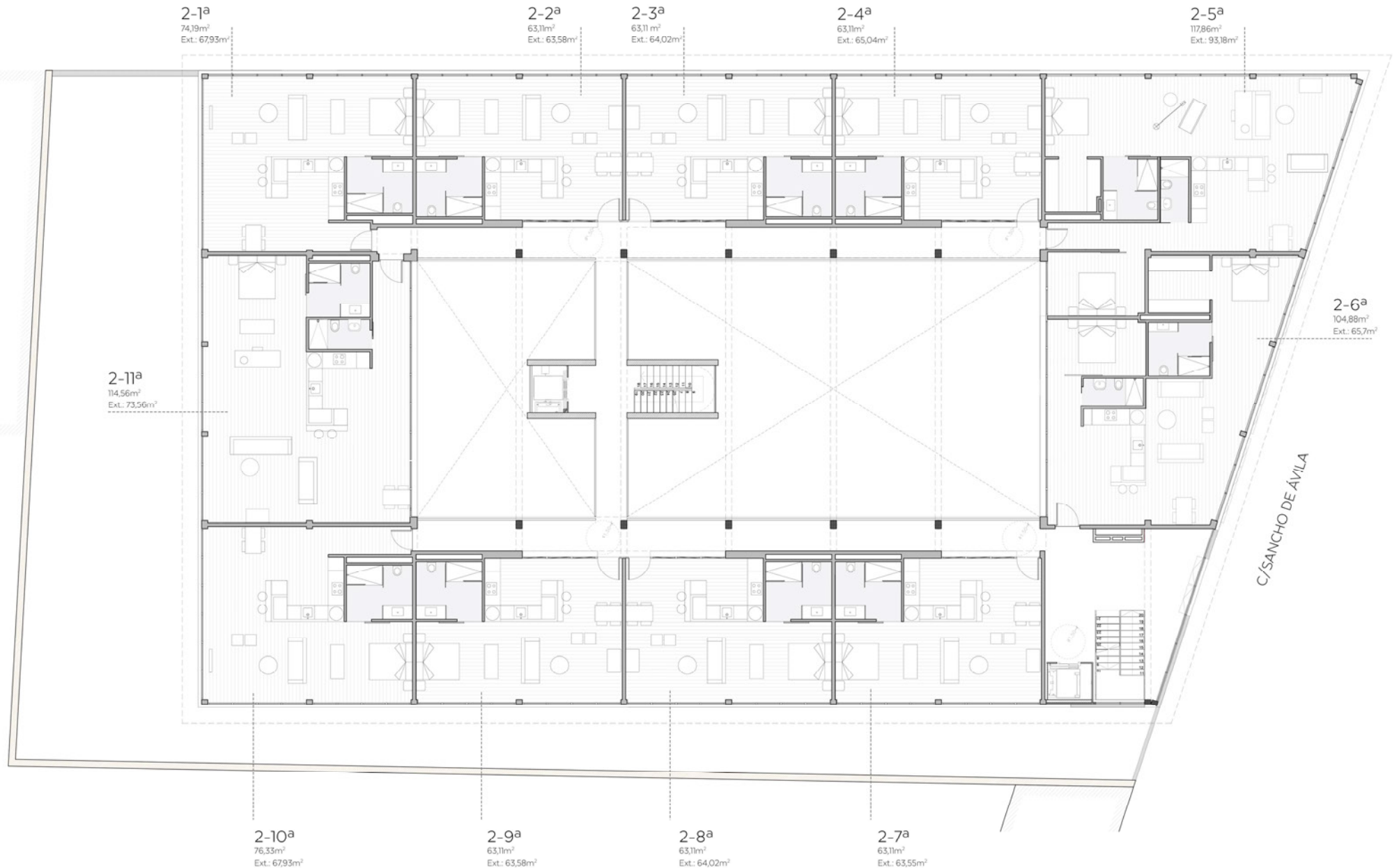
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 SHREM GROUP

L'ORFEBRERIA

BARCELONA 1963

PASSATGE DE RATÉS



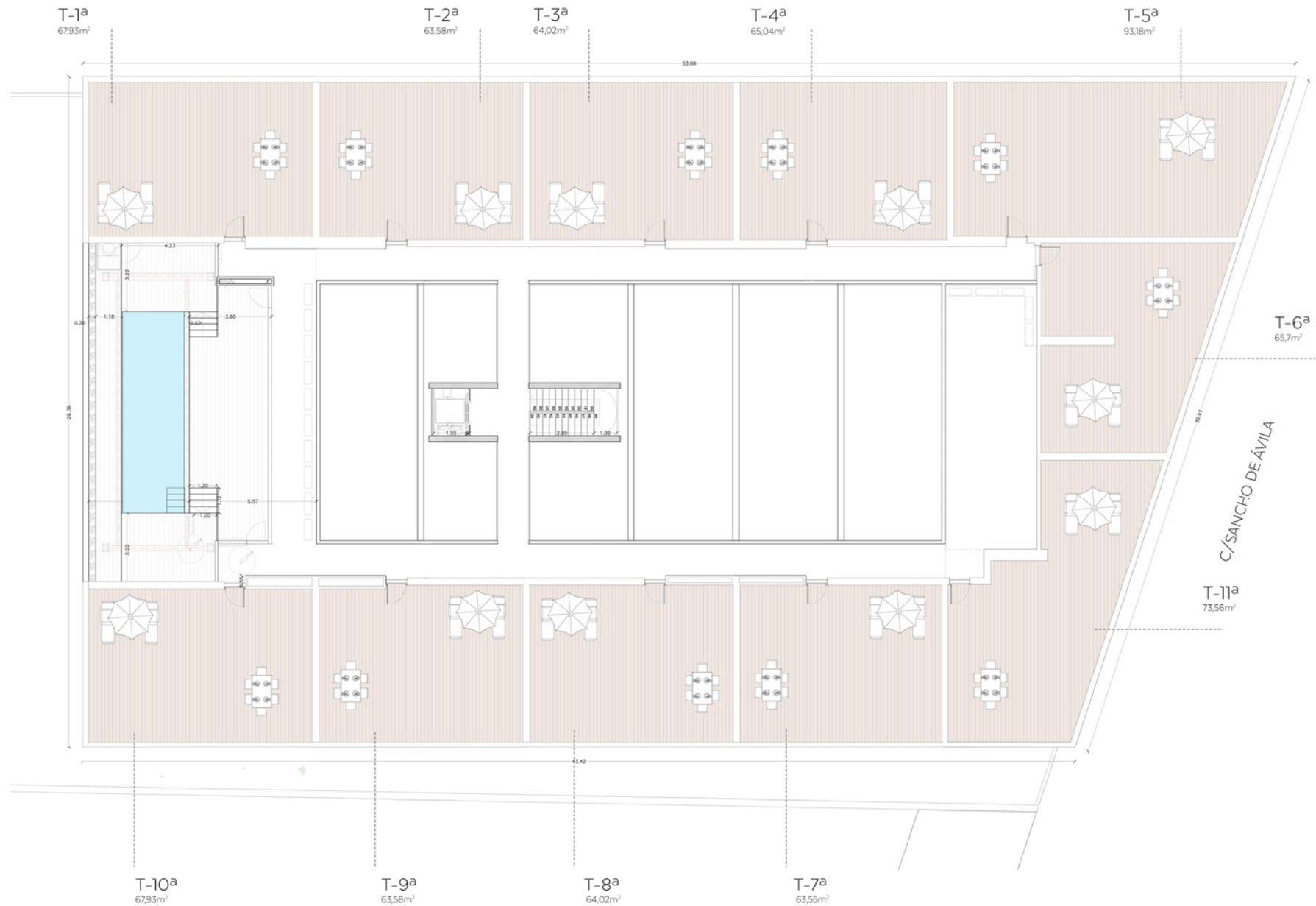
ÁTICOS
ÀTICS
PENTHOUSES

SANCHO DE ÁVILA 41, BARCELONA 08018

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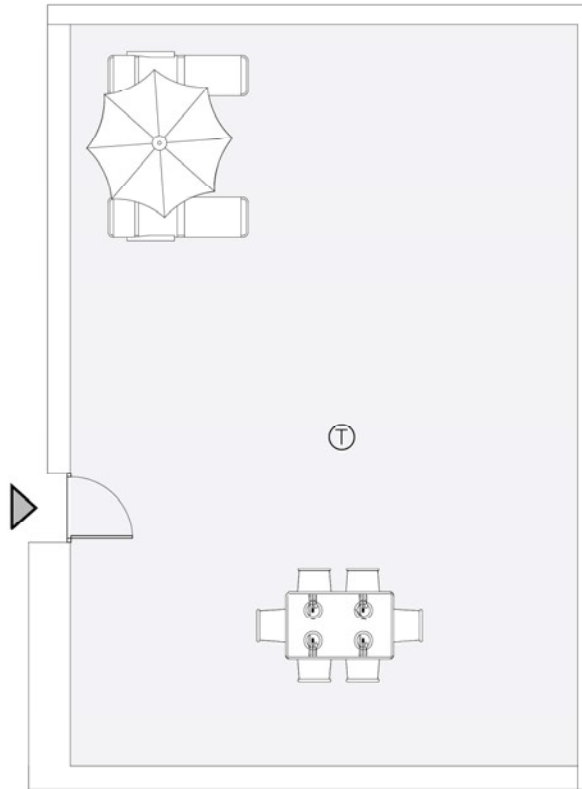
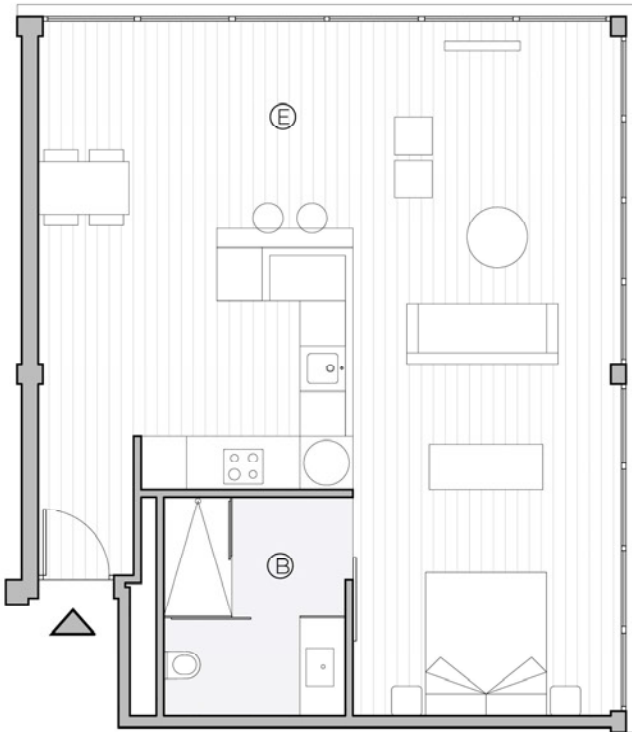
BARCELONA 1963

PASSATGE DE RATÉS

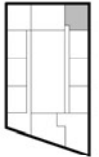


L'ORFEBRERIA

BARCELONA 1963



2º - 1ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 59.66 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA 67.93 m²

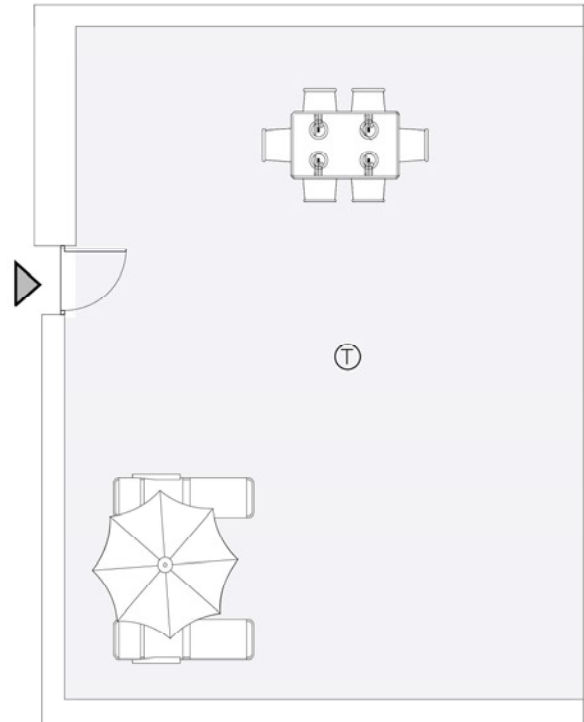
SUPERFICIE CONSTRUÍDA 74.19 m²



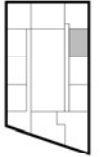
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L'ORFEBRERIA

BARCELONA 1963



2º - 2ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA 63.58 m²

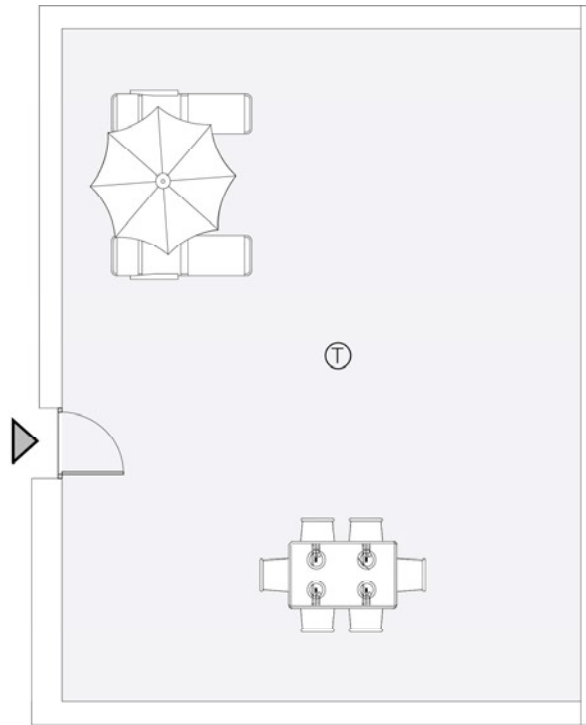
SUPERFICIE CONSTRUÍDA 63.11 m²



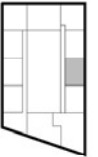
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L'ORFEBRERIA

BARCELONA 1963



2º - 3ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA 64.02 m²

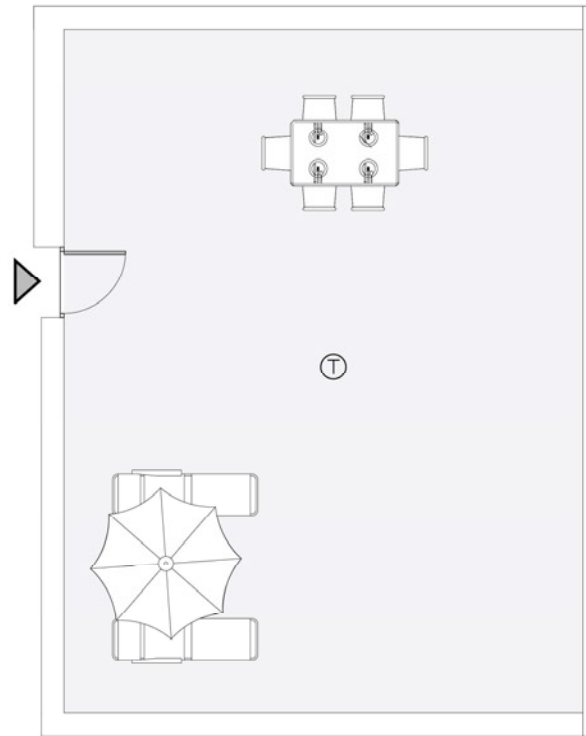
SUPERFICIE CONSTRUÍDA 63.11 m²



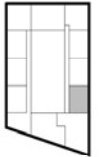
SANCHO DE ÁVILA 41, BARCELONA 08018

L'ORFEBRERIA

BARCELONA 1963



2º - 4ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA 65.04 m²

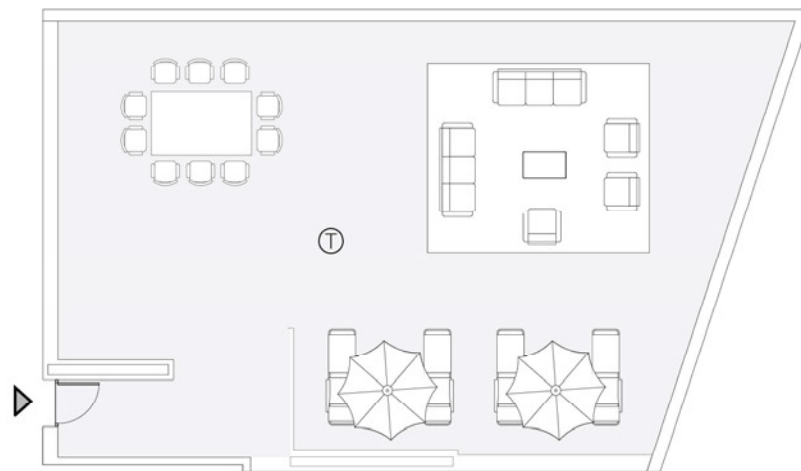
SUPERFICIE CONSTRUÍDA 63.11 m²



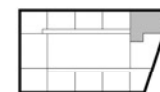
SANCHO DE ÁVILA 41, BARCELONA 08018

L'ORFEBRERIA

BARCELONA 1963



2º - 5ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	84.86 m ²
BAÑO 1	6.48 m ²
BAÑO 2	3.24 m ²
ESTUDIO	11.62 m ²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA	93.18 m ²
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SUPERFICIE CONSTRUÍDA	117.86 m ²
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SANCHO DE ÁVILA 41, BARCELONA 08018

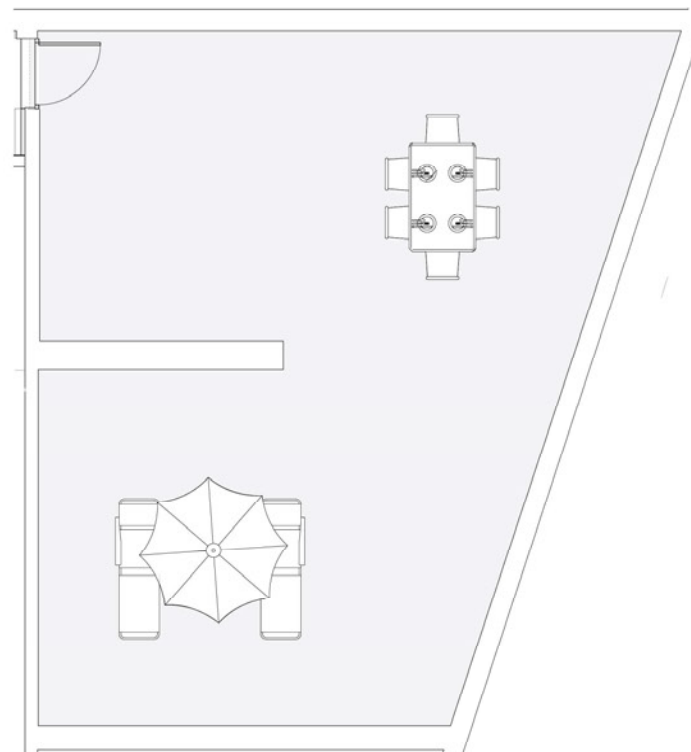
0 1 3 5



SHREM GROUP

L'ORFEBRERIA

ELONA 1963



2º - 6ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	73.66 m ²
BAÑO 1	6.48 m ²
BAÑO 2	3.24 m ²
ESTUDIO	10.88 m ²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA	65.70 m ²
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SUPERFICIE CONSTRUÍDA	104.88 m²
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0 1 3 5

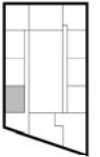
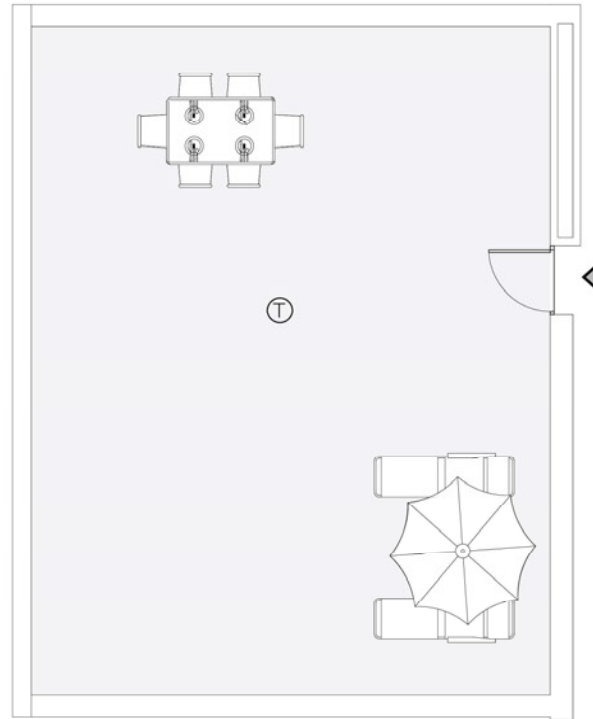


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 SHREM GROUP

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2º - 7ª

SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA 63.55 m²

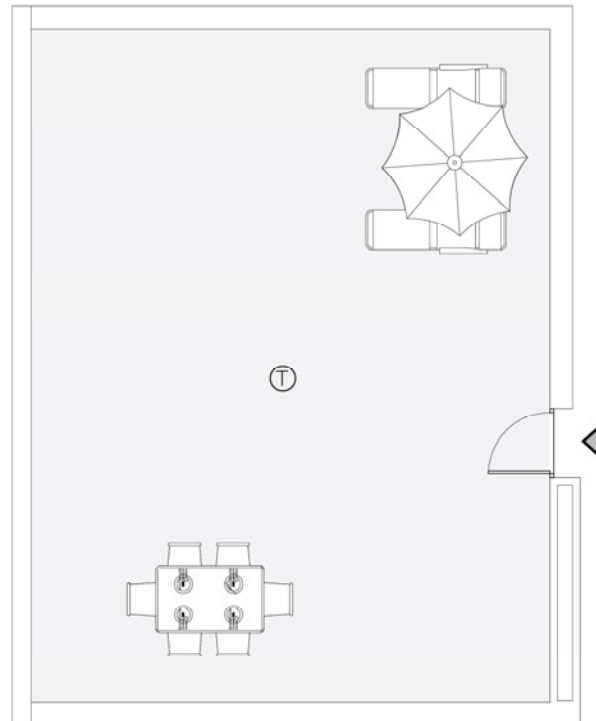
SUPERFICIE CONSTRUÍDA 63.11 m²



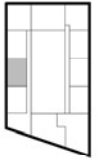
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2º - 8ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA 64.02 m²

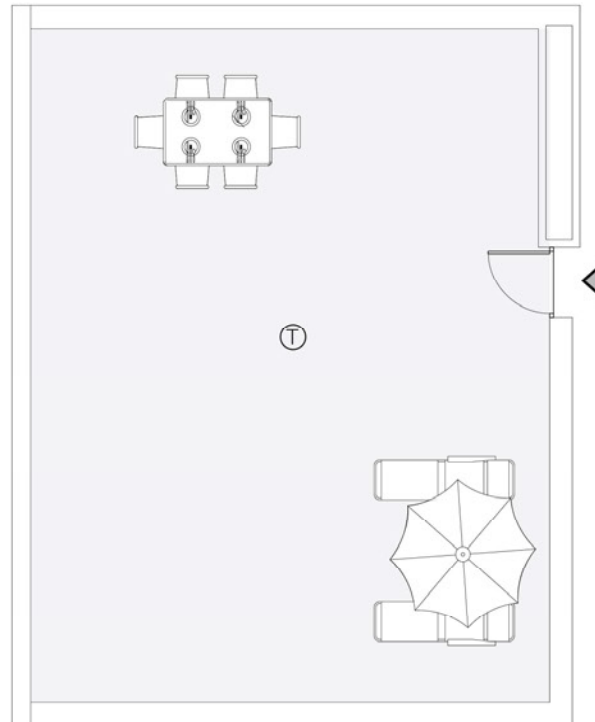
SUPERFICIE CONSTRUÍDA 63.11 m²



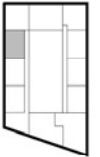
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2º - 9ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 48.75 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA 63.58 m²

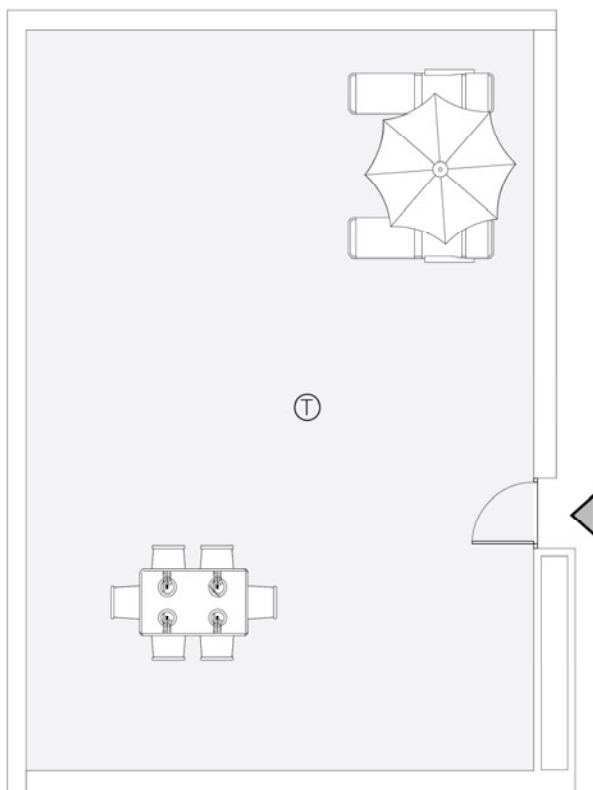
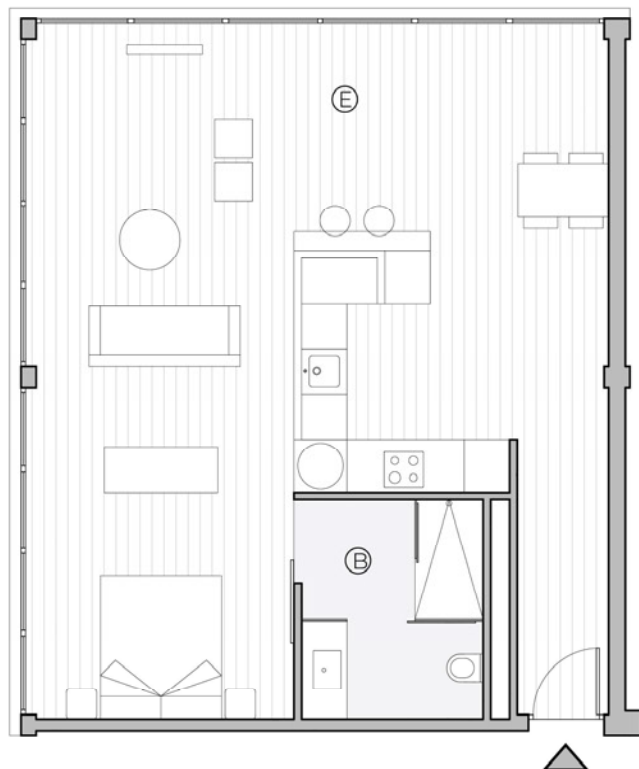
SUPERFICIE CONSTRUÍDA 63.11 m²



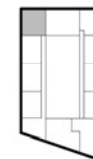
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2º - 10ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL 62.03 m²

BAÑO 6.96 m²

SUPERFICIE ÚTIL EXTERIOR

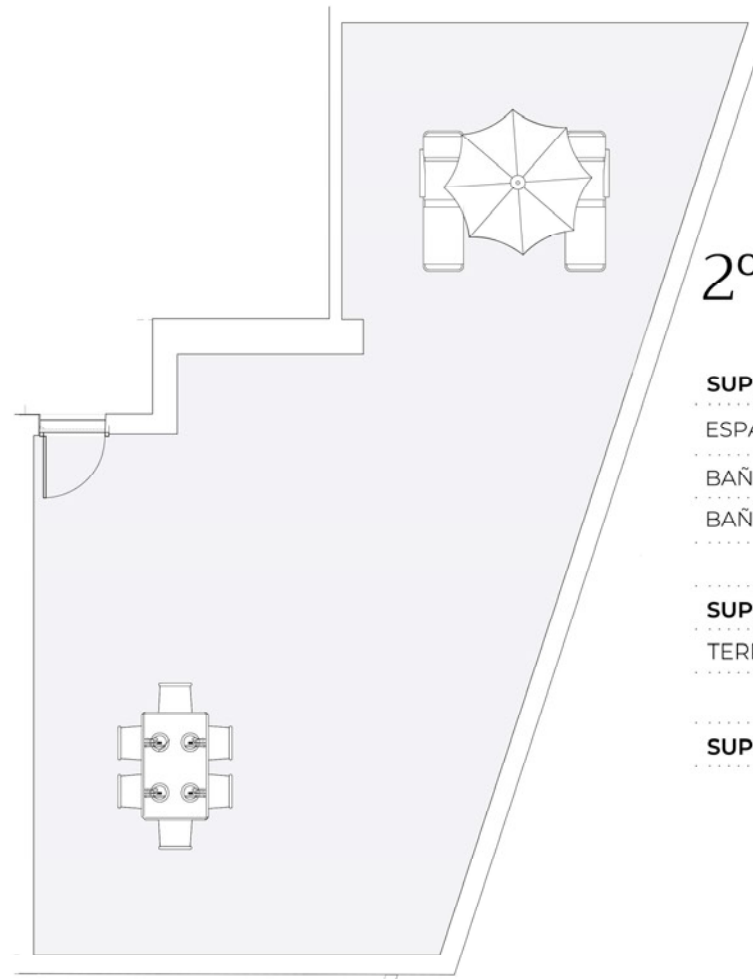
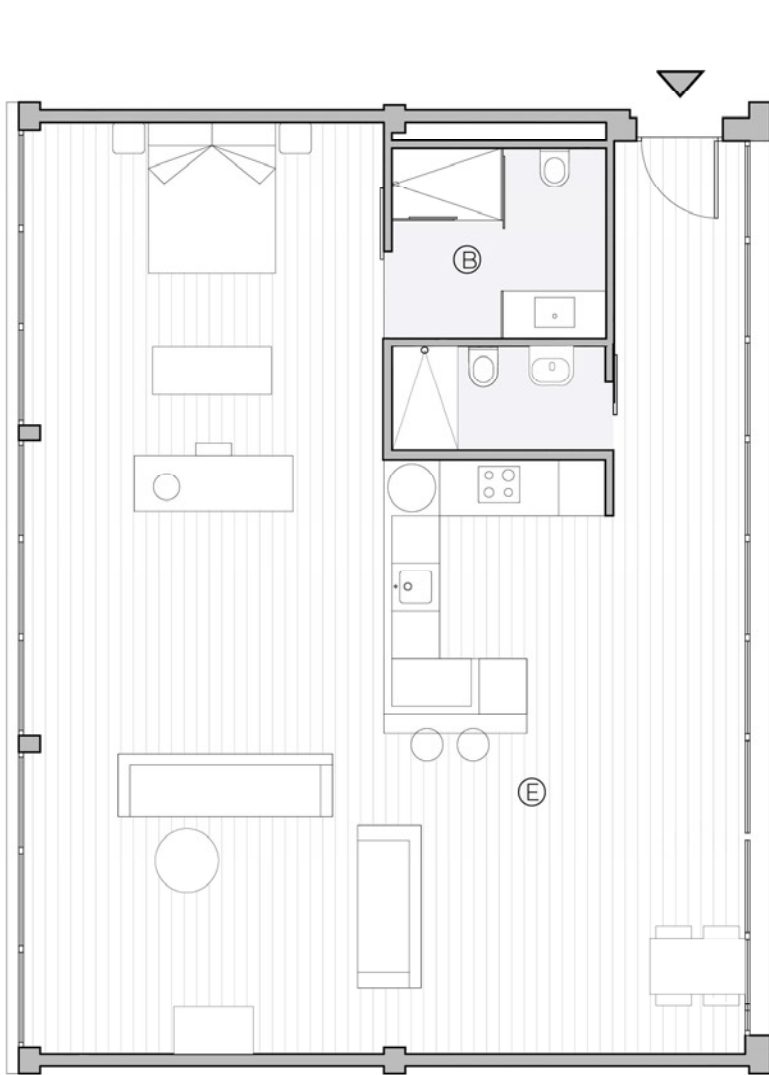
TERRAZA 67.93 m²

SUPERFICIE CONSTRUÍDA 76.33 m²

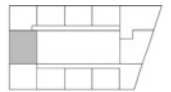
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2º - 11ª



SUPERFICIE ÚTIL INTERIOR

ESPACIO CENTRAL	95.01 m ²
BAÑO 1	6.48 m ²
BAÑO 2	3.24 m ²

SUPERFICIE ÚTIL EXTERIOR

TERRAZA	73.45 m ²
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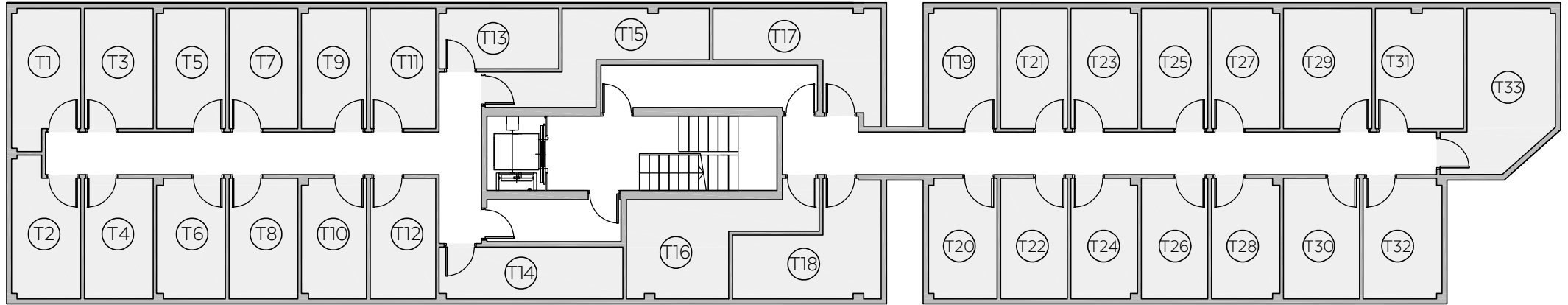
SUPERFICIE CONSTRUÍDA	114.56 m²
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SUPERFICIE

TRASTERO 1	8.34m ²	TRASTERO 8	7.30m ²	TRASTERO 15	11.05m ²	TRASTERO 22	7.08m ²	TRASTERO 29	9.26m ²
TRASTERO 2	8.34m ²	TRASTERO 9	6.94m ²	TRASTERO 16	12.52m ²	TRASTERO 23	7.08m ²	TRASTERO 30	8.03m ²
TRASTERO 3	7.30m ²	TRASTERO 10	6.94m ²	TRASTERO 17	11.15m ²	TRASTERO 24	7.08m ²	TRASTERO 31	9.26m ²
TRASTERO 4	7.30m ²	TRASTERO 11	6.94m ²	TRASTERO 18	11.92m ²	TRASTERO 25	7.08m ²	TRASTERO 32	8.12m ²
TRASTERO 5	7.30m ²	TRASTERO 12	6.94m ²	TRASTERO 19	7.44m ²	TRASTERO 26	7.08m ²	TRASTERO 33	13.02m ²
TRASTERO 6	7.30m ²	TRASTERO 13	6.49m ²	TRASTERO 20	7.44m ²	TRASTERO 27	7.26m ²		
TRASTERO 7	7.30m ²	TRASTERO 14	8.67m ²	TRASTERO 21	7.08m ²	TRASTERO 28	7.26m ²		

* Each loft has an allocated storage room.
Storage rooms are obligatory.

SANCHO DE ÁVILA 41, BARCELONA 08018

Technical Specifications

SANITATION:

- The general PVC evacuation network.
- PVC vertical downspouts.
- The horizontal sections that pass through the interior of false ceilings will be acoustically isolated.
- The water evacuation installation collects wastewater and rainwater from the building separately, taking them to the municipal network.

BRICKWORK:

- The enclosures of the facades will be with double leaf, air chamber and interior thermal insulation.
- The partition walls between houses will be made of dry partitions with double laminated plasterboard and steel security plate, from the KNAUF house. The interior partitions and partition walls of the houses will be made of dry partitions from the KNAUF house.
- The false ceilings will be made of plasterboard from the KNAUF house.

ROOF:

The roof will be of the inverted flat type, and finished with synthetic wood flooring

INSULATIONS:

Extruded polyethylene insulation on roofs and facades.

FLOORING AND TILING:

- The pavements of the newly built community stairs will be made of exposed concrete, as will the entrance hall and the ground floor lobbies. The interior floors of the houses will be made of synthetic floating parquet with a dark oak finish from the KRONOTEX house.
- The walls and floors of the bathrooms will be covered with microcement.

EXTERNAL WOODWORK:

- Standard and armored steel entrance doors to the house, with smooth lacquered leaf, matt black color.
- The exterior carpentry will be made of aluminum with a thermal break. Matte black lacquered finish, Cor 60 model from CORTIZO. Low-emissivity double pane glazing

ELEVATORS:

Accessible elevators, with alarm and emergency lighting. Stainless steel doors, stainless steel cabin, and mirror.

ELECTRICITY AND TELECOMMUNICATIONS:

- Electrical installation according to the Regulations of B.T.
- Lumina model mechanisms from HAGER.
- Iloft model video intercom from FERMAX.
- Telecommunications installation according to the ICT regulation.

PLUMBING AND SANITARY APPLIANCES:

- The meters will be divisional, located in a closet in the entrance hall to the building.
- The houses will have hot and cold water, cross-linked polyethylene pipes, general stopcocks and in each wet room.
- System for the production of sanitary hot water by aerothermal energy. Support system for the production of sanitary hot water with electric water heater.

Sanitary:

- Wall-hung toilet model Meridian from ROCA.
- Built-in cistern model Duplo from ROCA with dual PL1 push button, chrome finish.
- Resin shower tray Strato model from CABEL.
- Washbasin integrated in the CORIAN worktop on a black lacquered steel structure.

Faucets:

- Basin: mixer mod. Talis of the house HANSGROHE.
- Shower: Talis single-lever mixer with Croma Select S shower set from HANSGROHE.

AIR CONDITIONING AND HEATING:

An aerothermal system will be installed for the installation of air conditioning and heat pump in all homes. Therma V model by LG House. Diffusion through recessed ducts and lacquered aluminum grilles.

COATINGS AND PAINT:

- The exposed concrete exterior facades will be restored maintaining their original essence.
- A continuous off-white coating will be applied to the new facades of the central courtyard.
- The interior walls of the houses are some covered with natural oak wood, and others painted.

EQUIPMENT:

- The kitchen furniture will be made to measure. They will be laminated with natural oak wood, with Gola hidden handle and melamine interior finish.
- The countertop will be SILESTONE type in white.

The kitchen will be equipped with:

- Single stainless steel countertop sink from FRANKE.
- Induction hob from the house BOSCH
- Hood integrated in BOSCH furniture.
- Multifunctional steel and glass oven from BOSCH.
- Built-in dishwasher from BOSCH.
- Built-in combi refrigerator from BOSCH.

ILLUMINATION:

- The interior lighting of the homes will be with recessed spotlights with an LED bulb.
- The exterior lighting will be with wall lights and the garden area will have decorative beacons. They will be LED bulbs from the house LEDS C4.

Eco-Efficiency

INSTALLATIONS

SANITATION:

A sewage network has been designed that separately collects wastewater and rainwater from the building.

AIR CONDITIONING:

The air conditioning of the houses will be with VRV high-performance heat pumps that use the aerothermal system. It is a technology that takes advantage of the outside air for air conditioning, which is why it is considered an alternative renewable energy source.

DOMESTIC HOT WATER:

The production of sanitary hot water will also be through aerothermal energy. In this way, the obtaining of 76% of sanitary hot water is guaranteed through an alternative renewable energy source. The rest of the demand will be covered with an electric water heater.

WATER:

- A faucet with ecosmart technology has been installed that guarantees water consumption savings of up to 60%.
- Toilet cisterns have a double flush mechanism.
- The dishwasher has a cold and a hot water connection.

LIGHTING:

- The lighting of the communal spaces will be controlled through presence detectors.
- The lighting throughout the building are LED technology.

CONSTRUCTION ELEMENTS

FACADE:

- The solid part of the façade will have thermal insulation using mineral wool panels, achieving a thermal transmittance of $U = 0.42 \text{ W / m}^2\text{k}$.
- From the point of view of acoustic comfort, the solid part of the façade guarantees acoustic insulation $R_{\text{atr}} = 49 \text{ dBA}$.
- The exterior carpentry is made of aluminum with thermal break, and double low-emission glass with an air chamber. The thermal transmittance of the joinery is $U = 2.17 \text{ W / m}^2\text{k}$.
- Acoustically, the carpentry guarantees acoustic insulation $R_{\text{atr}} = 33 \text{ dBA}$.

ROOF:

- The roof is inverted and is made up of XPS panels with a thermal transmittance $U = 0.23 \text{ W / m}^2\text{k}$.
- The acoustic insulation of the walkable roof is $R_{\text{atr}} = 66 \text{ dBA}$.

SEPARATION BETWEEN LOFTS:

- The partition walls between houses are made up of a double mineral wool panel that guarantees a thermal transmittance $U = 0.33 \text{ W / m}^2\text{k}$.
- Acoustically, the partition walls between houses guarantee an isolation $RA = 67 \text{ dBA}$.
- The false ceiling of the houses have thermal insulation with mineral wool panels, so that a horizontal thermal transmittance is achieved between houses $U = 0.49 \text{ W / m}^2\text{k}$.
- At the level of acoustic comfort, the insulation to impact noise is $L_{\text{nw}} = 45\text{Db}$, and to airborne noise $RA = 53 \text{ dBA}$.

LOFT INTERIOR WALLS:

- The interior partitions of the houses have a mineral wool panel, with a thermal transmittance $U = 0.46 \text{ W / m}^2\text{k}$.
- The acoustic insulation of the interior partitions is $RA = 43 \text{ dBA}$.

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BARCELONA 08018

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