# Portfolio

José Pedro Barros de Sousa Ribeiro, Architect

Rua João Chagas, n.º24, 2º Esquerdo. 1495-069 Algés, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Furniture / Sculpture design – Creature sideboard self-portrait – The construction of a Self, or simply, creature shaped sideboard, made of wire, fibreglass, resin and light - 1995–2026. The inner path of transformation. 3-3

**Client**: Private
**Year:** 1995 – 2026

**Localization:** Lisbon - Portugal

**Project:** A commission to design a piece of furniture, a period marked by questions of existential drama, and a desire to create and transform one's inner reality—and consequently the outer world—were the key elements that gave rise to this work in 1995.Strongly inspired by the silkworm, as a striking example of a metamorphosing being, its form and materials simultaneously represent the cocoon stage; the drawers and shelves as receptacles for other objects — new beings; and the doors as wings — the stage of liberation. These characteristics were manipulated with the dual meaning of also representing the personal transformations of the Being, entangled in its inner questions and entanglements, which it seeks to transform and liberate in order to expand its experience of Life in its Fullness.The translucent body thus becomes an object of relationship, revealing everything it contains within through stains, shadows and colours reflected on its surface-skin to the outside, also representing what we contain, what conditions us and what we reveal. Natural and artificial light, as well as representing Life itself, are the catalysts for these relationships — between day and night, the interior and the exterior, the object and what it contains, and those who confront it. For these characteristics and reasons, it is considered a self-portrait, and in conjunction with the materials and construction techniques: the construction of a Self.After a hiatus in its construction in 2003 lasting around twenty years, work resumed in 2023 and was completed in 2026. This experience and the maturation of the issues intrinsic to the process also allowed for a distancing from the entire narrative and a view of the object exactly as it is — a functional object in the shape of a creature, made of wire, fibreglass, resin and light. The entire process and emerging issues point to what is considered to be the inner path of transformation.
If you wish to learn about the history of the work and its construction process, simply send an email to info@metamorfoses.org stating your preferred language — PT, EN, FR or ES — and the book will be sent to you shortly in PDF format, along with an MB Way payment link for your contribution.



José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

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**Pictures of its condition in 2023 before it was relaunched.**



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# Portfolio

Furniture / Sculpture design – Creature sideboard self-portrait – The construction of a Self, or simply, creature shaped sideboard, made of wire, fibreglass, resin and light - 1995–2026. The inner path of transformation. 1-3

**Client**: Private
**Year:** 1995 – Beginning of construction
**Localization:** Lisbon – Portugal
**Project:** See section 3-3 of the same work.



José Pedro Barros de Sousa Ribeiro, Architect
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# Portfolio

## Design competition for the design of the São Francisco Borja housing complex, in Almada (1-2)

**Client**: IHRU - Instituto de Habitação e Reabilitação Urbana
**Year:** 2021. Competion.
**Location:** Almada. Portugal.
**Gross area:** 1194,20 m²
**Position held:** Architect and Coordinator.
**Project:** A challenging project, consisting of implementing the Preliminary Program for 72 dwellings - 36 T1 and 36 T2, of construction at controlled costs, to be applied in a plot of small dimensions and morphology with accented unevenness with the surroundings and urban context.
After several analysis studies, the proposal was developed in a 'U'-shaped building, open to the south quadrant, with its sides parallel to the urban context and surrounding land, generating a kind of interior patio, more private and intimate for the community, crossed by existing and proposed pedestrian circuits. The patio is also accessible by car to the owners for parking, garbage collection services, firefighting vehicles, and bicycle parking.



Interior view of the proposed 'patio'.



Site Plan and insolation study simulations of the building from the beginning to the end of the day, in summer (upper half) and winter (lower half).

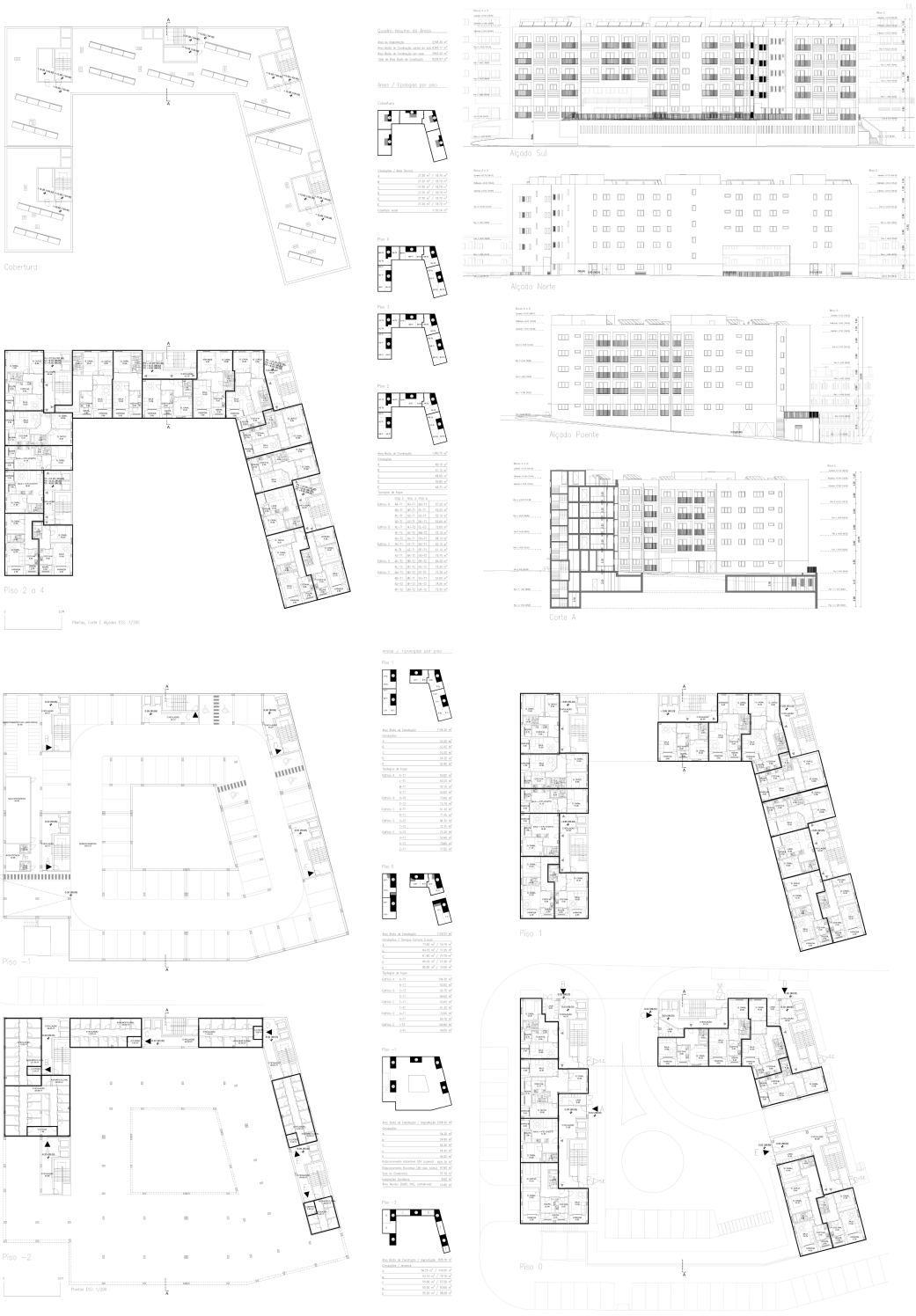
José Pedro Barros de Sousa Ribeiro, Arquitecto

Rua General Massano de Amorim nº15, 1º. 1300-270 Lisboa, Portugal. Telemóvel: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Design competition for the design of the São Francisco Borja housing complex, in Almada (2-2)

**Client:** IHRU - Instituto de Habitação e Reabilitação Urbana
**Year:** 2021.
**Location:** Almada. Portugal.
**Gross area**: 1194,20 m².
**Project:** (Continued) Conceptually, all dwellings have the living spaces with balcony, kitchens, and clotheslines, on the south and west elevations, and most of the bedrooms on the east. Floor -1 is intended for covered parking within the entire width of the building plan, with an unoccupied central area that is permeable. Floor -2, anchors the building in the north and steepest quadrant of the land, intended for storage, for one unit by a dwelling.
Constructively, in order to regulate and control the work costs, a simple external wall construction solution was chosen with a white exterior thermal insulation system (ETICS), which has on the basement floors up to the height of the lintel ground floor, an outer reinforcement in fiber cement rigid panel boards like 'Viroc' type or similar in ocher color. On the roof were applied the solar panel and green roof systems recommended by the Owner.




José Pedro Barros de Sousa Ribeiro, Architect.
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# Portfolio

## African house Design Competition - A home for the Jorejick family (1-2)

**Client:** Archstorming Architecture Competitions
**Year:** 2020.
**Location:** Tanzania. Africa.
**Gross area**: 480.00 m² / **Estimated cost:** 19 846,35 €.
**Project:** The aim of the contest was to design a house for the Tanzanian Jorejick's Family to be easily built with local resources and reduced costs, so that could be also available to be applied massively. This way the design was based on the ancient techniques of Nubian vault and the dome, erected from mud-brick structures, combined with standardization and versatility of construction. Deeply inspired in Hassan's Fathy work, the design is supported on a regular square matrix of two meters, that work separately or together to composed standard modules that repeat themselves. They are the spaces with the Nubian vault ceiling – rooms, kitchen, and storages, under four meters matrix width; with dome ceiling - living and dining rooms on the four meters matrix; and supported on two meters matrix width there are the hall and circulation spaces inside the house with a barrel vault, and outside with small domes and arches forming the central courtyard. The project was developed in 2D and 3D, so that could also be measured and budgeted and render.



Front elevation - South-west.



Living and dining room.



Triple room.



Back elevation - North-east.

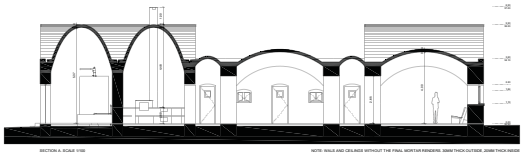
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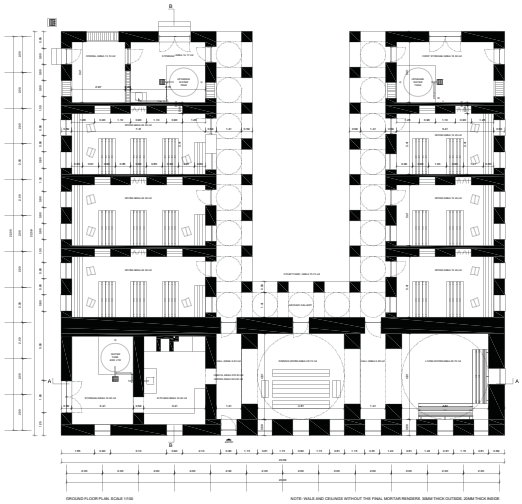
# Portfolio

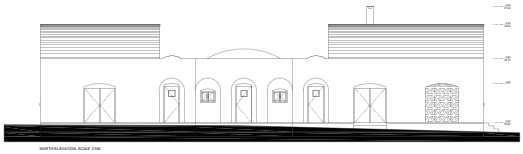
## African house Design Competition - A home for the Jorejick family (2-2)

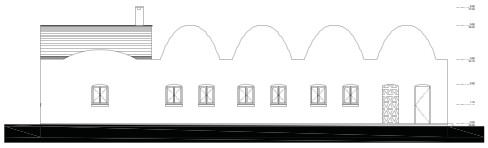
**Client:** Archstorming Architecture Competitions
**Year:** 2020.
**Location:** Tanzania. Africa.
**Gross area**: 480.00 m² / **Estimated cost:** 19 846,35 €.
**Project:** The strategy and the construction with mud bricks, allow changing the plan easily at any time of their use by expanding or reducing areas. By being mud bricks, they can be easily done locally, mount, dismount, and be repaired with simple knowledge and practice now how. The use of baked brick was reduced only for the areas with water (kitchen, showers, latrine, and storages). This reduces considerably the costs of construction and contributes to the global problem of burning wood to bake bricks, also unavailable in remote areas.
The two showers and two latrines were designed outside-in square modules. The showers have four little domes, dividing the area to dress and to shower, being a robust structure to have a 500 litters water tank above to be heated by the sun and supply by gravity the shower.
The two pit latrine module was the only one with a corrugated iron sheet ceiling supported on a simple wood structure above the walls, for being easily dismounted to change place when the wells get full.





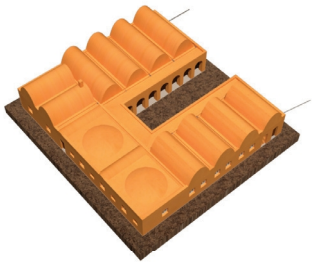




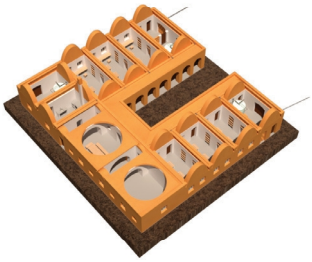




The final renders of mortar incorporate natural oils mixture so that they can resist to the weather for long periods of time with low maintenance. as the same for the paintings with lime that can incorporate natural pigment colors available, besides oil or white glue in the mixture and long up to ten years.



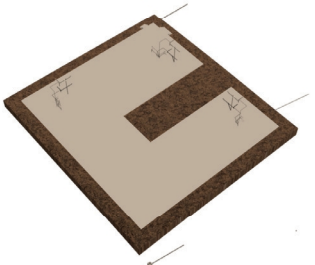
Ceilings in Nubian vaults and domes, supported with front and back walls with a catenary section for the firsts, and a circular section for the lasts. ancestral technique based on the good physic characteristics of compression of mud bricks.



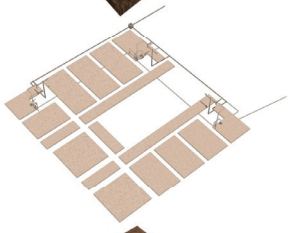
Walls of mud-brick except for the areas with water and humidity with baked brick (kitchen, showers, latrine, and sections of the storages), and for the base support of the furniture in general.



Floor slab of concrete 50 mm thick with the surface troweled smooth with the backfill material as coarse as possible and well compacted.



Ground plumbing appliance within a 10 cm thick layer of sand or very sandy soil to prevent the moisture from penetrating the floor (hardcore of gravel, stones, or broken blocks is possible too).



Foundation trench 70
cm deep (if enough to reach firm soil), filled with well-compacted stones 15 cm up to the ground level with the upper layers jointed with mortar with a percentage of cement and lime after study of soil components available.



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Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Public contest for the extension of the building of the Association of Architects in Lisbon (1-2)

**Client:** Portuguese Association of Architecs - South Section
**Year:** 2020.
**Location:** Lisbon. Portugal.
**Gross area**: 765.00 m².
**Project:** Developed for the Public Design Competition for the Expansion Project of the Headquarters of the 'Ordem dos Arquitectos', is of a special character. It is a new building of bold Design, which solves all the programmatic requirements requested, integrated in a conception of materiality and construction of great plasticity and interaction with the evolving and urban context, assuming the demolition of the existing building, contrary decision of the deliberation of the Competition Jury, which is considered debatable.
The project was developed in 2D and 3D with subsequent rendering.

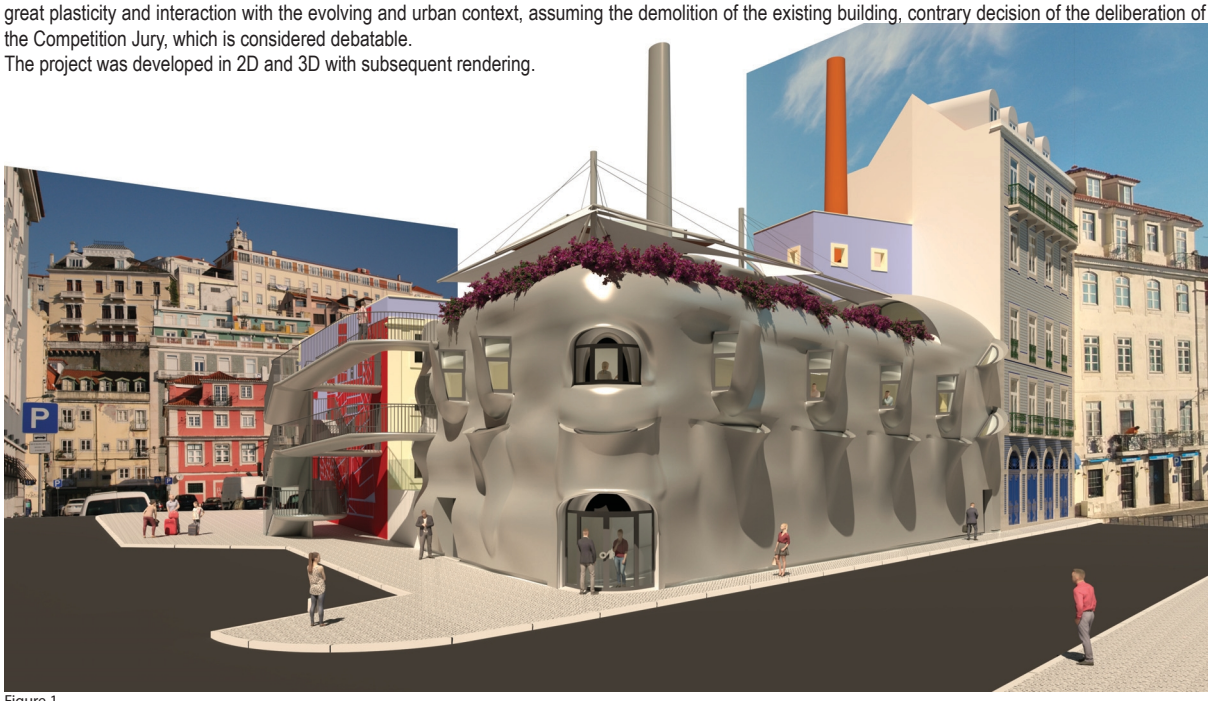



Figure 1.



Figure 2.



Figure 3.



Figure 4.

1. View of the new building Expansion of the headquarters of the Ordem dos Arquitectos, with the south entrance through Rua da Ribeira Nova. Its main façade lining is made of corrugated aluminum sheet in order to reflect the surrounding environment diffusely.
2. View of the roof terrace facing the Tagus and Praça D. Luís I, with a capacity for 50 seats and with a folding sun protection awning system.
3. Training rooms with exterior windows sweetened to the façade facing the square and the apparent direction of the solar movement, capturing all the light to the interior with a minimum of direct radiation, avoiding the overheating of the indoor air.
4. New restaurant room connected to the existing one in the São Paulo baths, forming a 'U' around the green courtyard, duly insulated by double-glazed frames and an antechamber in the passage between the buildings to solve the sound insulation issues.
5. View of the exterior stairs to the interior of the green courtyard and restaurant room on the ground floor.
6. Entrance ramp with sky-oriented windows and zenith light, executed on curved plasterboard surfaces in convex elliptical sections that capture solar radiation, mostly indirect, which is then diffused and reflected smoothly by its walls and interior spaces providing a wide spectrum of changing shades of light and color over the days.



Figure 5.

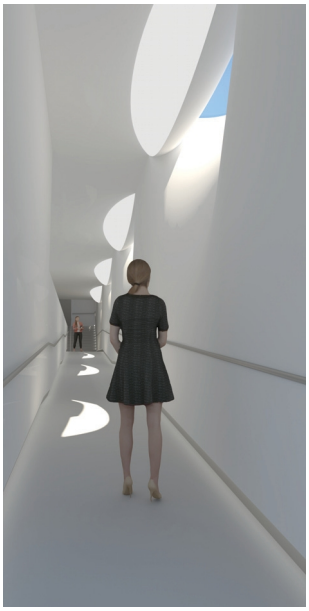


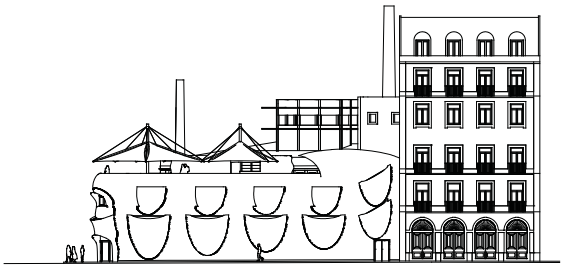
Figure 6.

José Pedro Barros de Sousa Ribeiro, Architect.
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

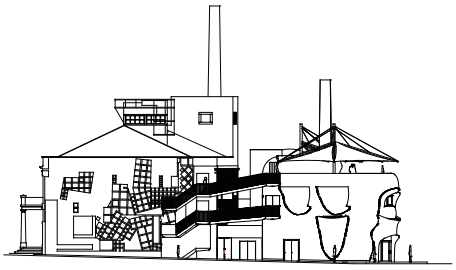
# Portfolio

## Public contest for the extension of the building of the Association of Architects in Lisbon (2-2)

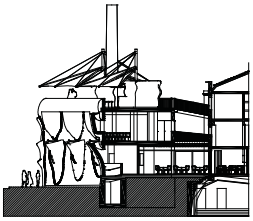
**Client:** Portuguese Association of Architecs - South Section
**Year:** 2020.
**Location:** Lisbon. Portugal.
**Gross area**: 765.00 m².
**Project:** The lot to be intervened was considered to be 'residual', having an irregular polygon configuration, resulting from the urban redesign of this area, carried out in the 20th century, for the current current road structure, of which the existing commercial building from 19th century was maintained, with a blind gable facing the new street built - Travessa do Carvalho, making an acute angle and sharp space with the main facade - Rua da Ribeira Nova. Since the building is in a state of disrepair and does not have elements of relevant patrimonial value, it was decided to demolish it as the best option in view of the added value and intentions of the new building to be built. Although the building is part of the Public Interest Complex called “Lisboa Pombalina”, safeguarded by Portaria No. 740-DV / 2012, it allows demolitions and alterations to the buildings in 'area II' to which it belongs, since duly justified. Situation contrary to that expressed by the Jury.



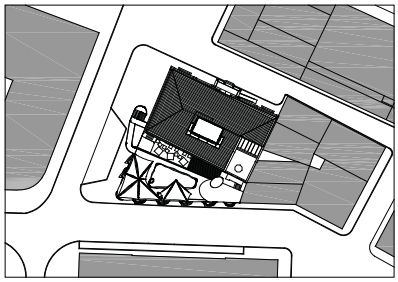
ALÇADO PRINCIPAL - RUA DA RIBEIRA NOVA - ESCALA 1/200



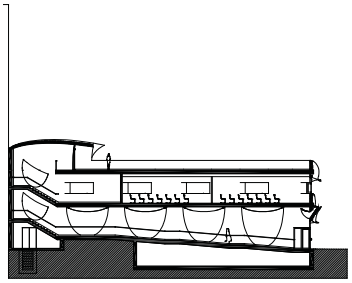
ALÇADO LATERAL - TRAVESSA DO CARVALHO - ESCALA 1/200



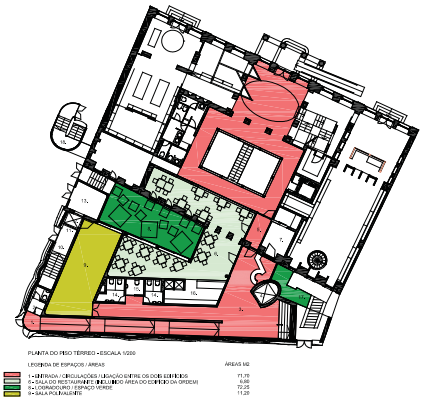
CORTE TRANSVERSAL PELA SALA DO RESTAURANTE QUE LIGA OS DOIS EDIFÍCIOS - ESCALA 1/ 200



PLANTA DE COBERTURAS / IMPLANTAÇÃO - ESCALA 1/ 500



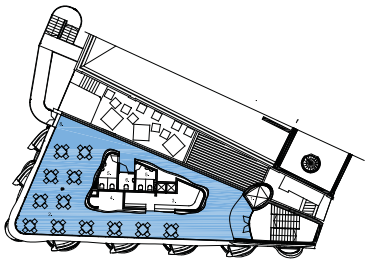
CORTE LONGITUDINAL PELA RAMPA DA ENTRADA - ESCALA 1/ 200



PLANTA DO PISO TÉRREO - ESCALA 1/200

LEGENDA DE ESPAÇOS / ÁREAS — ÁREAS M2

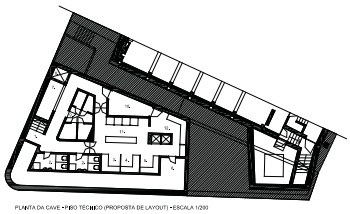
| | |
|---|---|
| 1 – ENTRADA / CIRCULAÇÕES / LIGAÇÃO ENTRE OS DOIS EDIFÍCIOS | 71.70 |
| 6 – SALA DO RESTAURANTE (INCLUINDO ÁREA DO EDIFÍCIO DA ORDEM) | 6.66 |
| 7 – CONHECIDO / ESPAÇO VERDE | 72.25 |
| 8 – SALA POLIVALENTE | 11.20 |



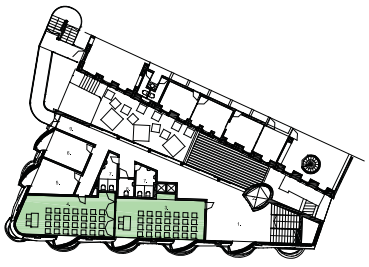
PLANTA DA COBERTURA - ESCALA 1/200

LEGENDA DE ESPAÇOS / ÁREAS — ÁREAS M2

| | |
|---|---|
| 3 – ESPLANADA RESTAURANTE / BAR – CAPACITADA PARA 50 LUGARES | 197.30 |



PLANTA DA CAVE - PISO TÉCNICO (PROPOSTA DE LAYOUT) - ESCALA 1/200



PLANTA DO PISO 1 - ESCALA 1/200

LEGENDA DE ESPAÇOS / ÁREAS — ÁREAS M2

| | |
|---|---|
| 4 – SALA DE FORMAÇÃO 1 | 37.15 |
| 5 – SALA DE FORMAÇÃO 2 | 36.65 |

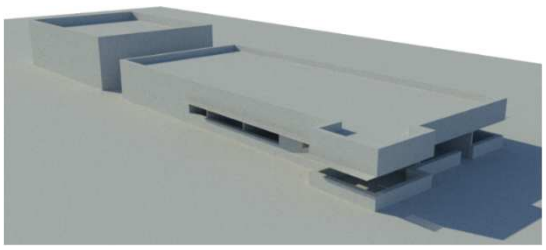
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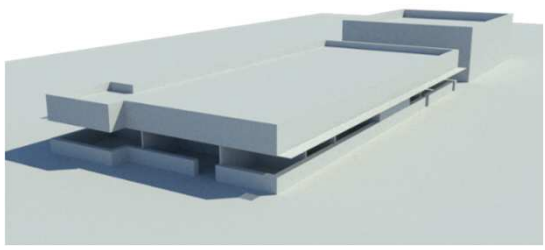
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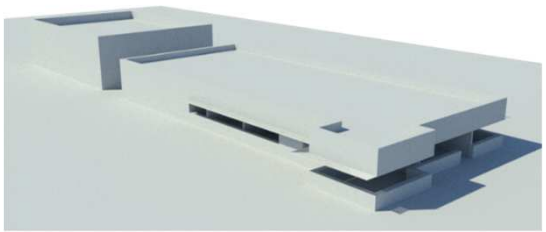
## Administration building with warehouse and garage for a water treatment facility in México

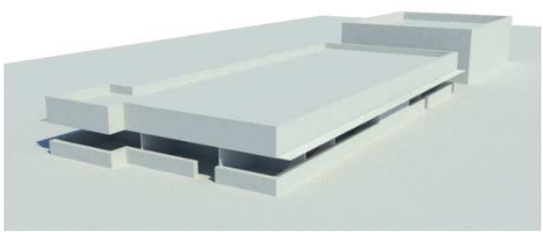
**Client**: Private.
**Year:** 2019. In preparation of works to start the construction.
**Location:** Bordo Poniente. México.
**Gross area:** 1001.85 m².
**Position held:** Architect Author in cooperation with Engineer office FUTURE PROMAN.
**Project:** This project was made in cooperation with the Engineer office FUTURE PROMAN for a water treatment facility plan in Bordo Poniente, México city. It was made from the Conception to the Completion phase, and it is now being prepared by the client to start its construction.
It is a building with office areas for the administration of the facility, a control checkpoint for the whole area and more technical spaces like a warehouse, a garage and all the others needed for the working area.
The plan is organized through a main circulation corridor which divides the building into a 'dirty' side to east where is the other industrial buildings of the facility and where is the checkpoint and the administration offices, clothing, warehouse, oils, and the garage, and a 'clean' side to west, where are the meeting room, kitchen and meal room with a green area. There is also a secondary circulation for the administration staff and access to the lab, and between those two circulations, there are the logistic and technical areas.
It will be constructed with local common materials like walls in concrete blocks covered with plaster to be painted and has a concrete structure that has special technical development because the terrain is unstable.
The office and resting areas have a horizontal blade shadow system to cut the direct sunlight to minimize interior heating gains and offer good light quality to the working plans. To define the shadow system, it was made a virtual model of the building to study the 'worst' days of the year in the winter and summer, presented bellow.





1 of january simulation - at 9:35 AM starts the shading of the east offices.


1 of january simulation - the shading lasts till 13:35 PM to the west areas.


15 of may simulation - at 9:40 AM starts the shading of the east offices.

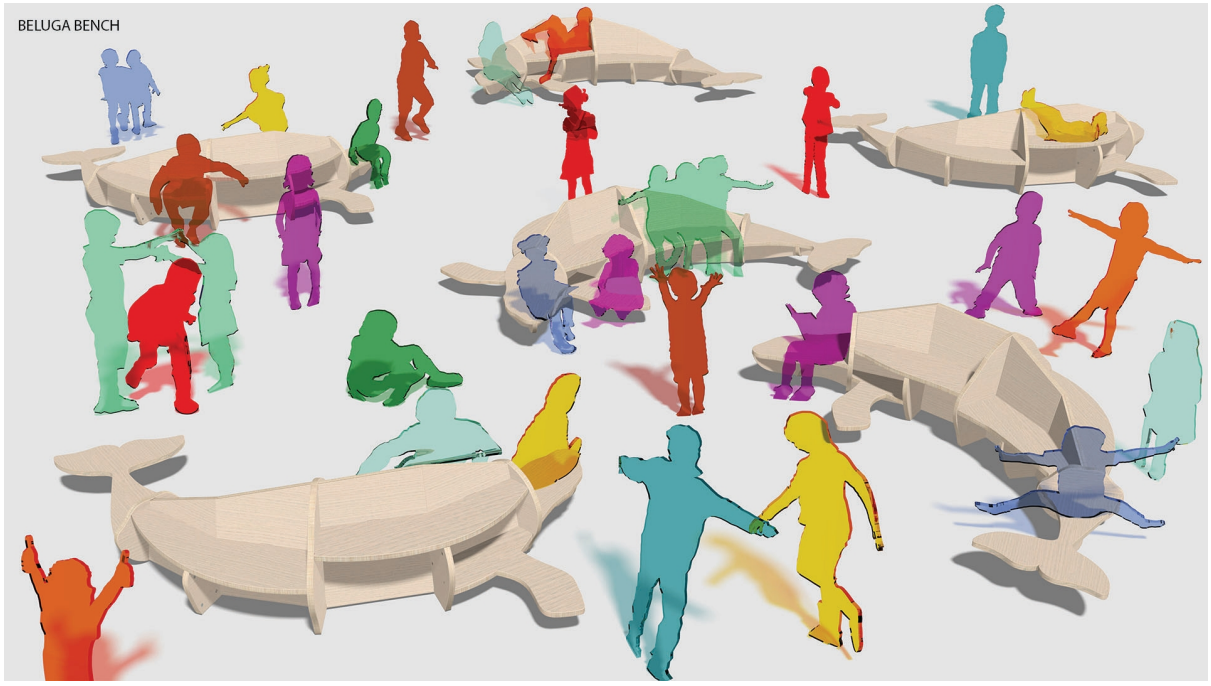

15 of may simulation - the shading lasts till 15:30 PM to the west areas.

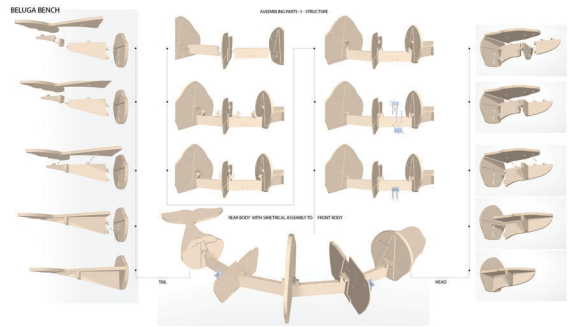
José Pedro Barros de Sousa Ribeiro, Architect.
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

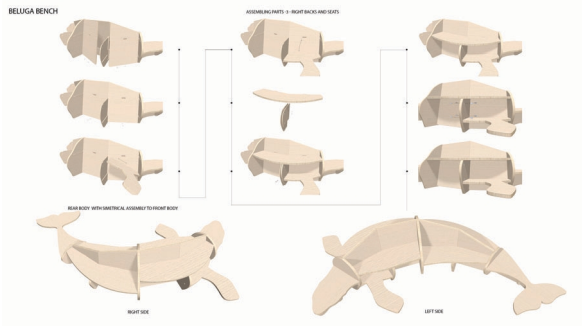
# Portfolio

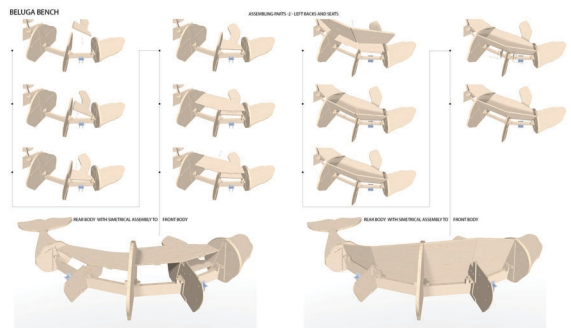
## Beluga Bench – Yilan Chair International Design Award 2018

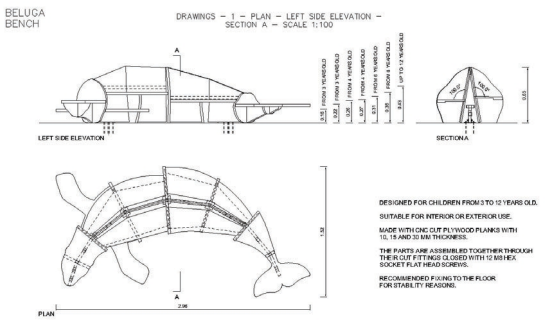
**Client:** Yilan Chair International Design Award 2018
**Year:** 2018.
**Location:** Yilan, Taiwan.
**Position held:** Designer.
**Project:** This project was a Product Design presented to the Yilan Chair International Design Award 2018. The design was inspired in one of Yilan's attractions, the whale watching, on the Beluga Whale, for its 'human' 'scale', it's white 'color' and being so friendly and welcome to the kids.
Intend to promote social relations between kids from 3 to 12 years old, and it has a curved shape so that can offer a 'shelter' area in one side and a more 'open' area on the other side. This curve also allows to create dynamic areas for kids when arranged with more bench units together.
This touchable animal in a child scale also intent to wake a certain environmental conscience of the wellbeing among all of us globally.
The chosen material was White Oak plywood for his strongest and beautiful characteristics that allow using the bench in the interior or exterior spaces with varnished finishing. Depending on the place to use it can be made with other kind of plywood or even in MDF (Medium Density Fiberboard) lacquered in different colors.
It is made in plane parts to be assembled, cut through CNC (Computer Numerical Control) machinery that able mass production. And it has only twelve hexagonal socket flat head to 'close' the assembling. Although it needs more twelve screws inside to fix the bench to the floor, for stability purposes, because of the larger flippers in the front.




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Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Universal Meditation Bench – International Design Contest

**Client**: International Design Contest.
**Year:** 2018. In process to be produced for retail.
**Location:** Japan.
**Position held:** Designer.
**Project:** This project is a Product Design presented to an International Design Contest for furniture design. It is a Universal Meditation bench made of Balsa and Hinoki (Japanese Cypress) Wood weighing less than one kilo. It has foldable 'feets' with four hight positions and a curvature on the bottom so that different users can adjust the best torso/pelvis position to seat, posible with two wood 'screews' easy to handle.
The bench's design brings forth the chosen woods' qualities where Hinoki prevails with its strength, beauty and natural pleasant relaxing fragrance, so welcome for the meditation practice.



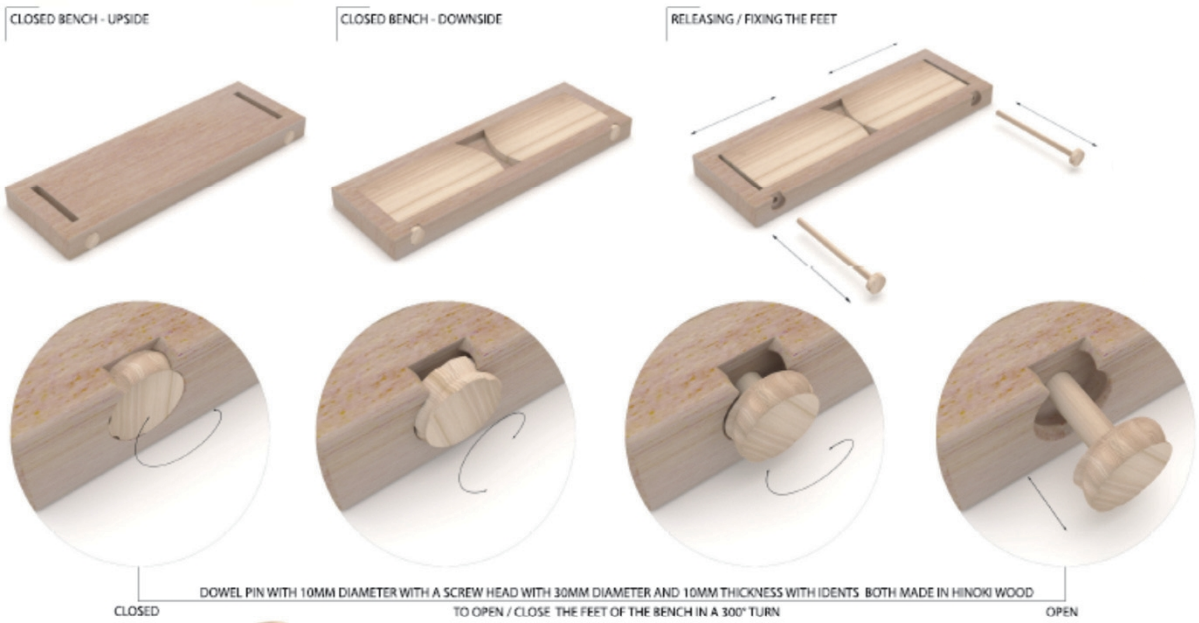
Open bench in the highest position.

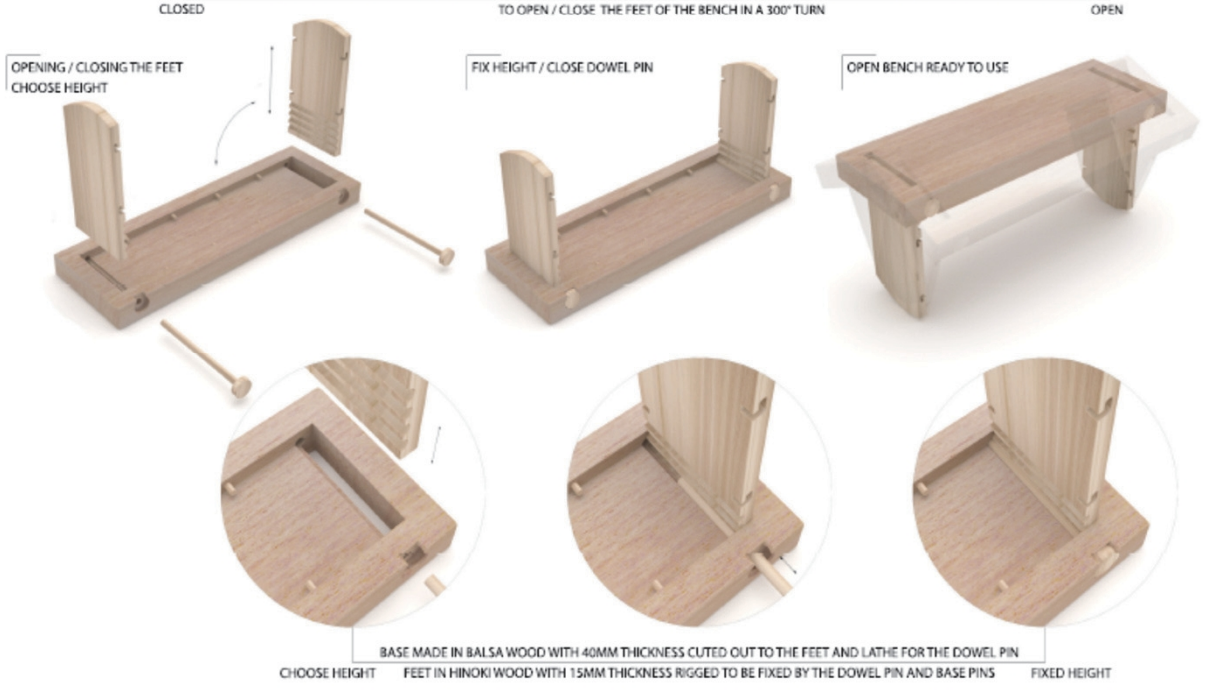


Closed bench.



Open bench in the lowest position.



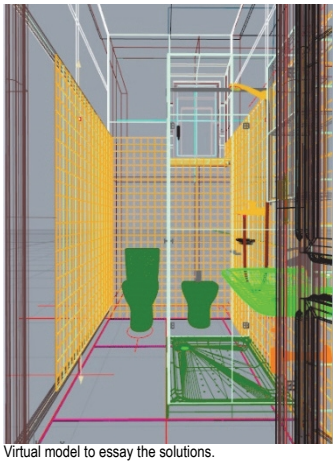




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# Portfolio

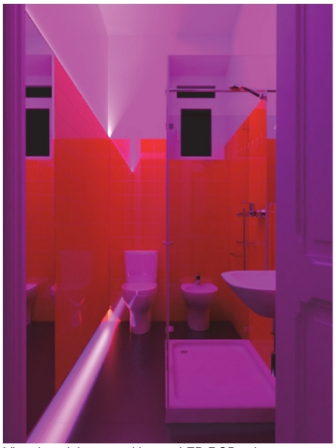
## Bathroom refurbishment with use of Rhinoceros and V-Ray

**Client**: Private.
**Year:** 2018. Built.
**Location:** Algés, Oeiras. Portugal.
**Gross area:** 3,70 m²
**Position held:** Design and Construction Coordinator.
**Project:** Being a simple bathroom refurbishment work it was used as a subject to start working on the virtual modulation software Rhinoceros and the visualization software V-Ray, to previously essay and show to the client final solutions to choose the one to be built.
Even being a simple intervention, the main interest in this work was the install of two LED RGB lines to illuminate the bathroom built on the wall on two inox hollows, one pointed to the floor and the other to the ceiling on indirect light. These, besides the regular white /yellow light, also allow choosing a large specter of light colors that interact with the yellow tiles on the wall 'changing' their color on completely different ambiance colors.


Virtual model to essay the solutions.


Virtual simulation with the chosen solution.


Photo of the final solution built..


Virtual model essay with rose LED RGB color.


Virtual model essay with green LED RGB color.


Virtual model essay with blue LED RGB color.


Real photo with the rose LED RGB color.


Real photo with the green LED RGB color.


Real photo with the blue LED RGB color.

José Pedro Barros de Sousa Ribeiro, Architect.
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# Portfolio

## INFINITE FRAME – A system that allows making infinite configurations of picture frame panels

**Client**: Myself
**Year:** 2009-2016.
**Position held:** Inventor
**Project:** INFINITE FRAME is a system that allows connecting single frames together to make infinite configurations of picture frame panels, depending only on the number and sizes of frames that you have.
This idea was developed since 2009 where were made the first models to test the idea. Then it was registered as a International Patented Idea. The models were developed to be produced, and the project was submitted to a crowdfunding campaign in 2013/14, without success, and after it was a finalist at "Acredita Portugal 2014" contest among 14 000 competitors. A second crowdfunding campaign was launched in 2016, also without success, but it is believed that the failure of the campaigns is due to little publicity. In general, product feedback is positive, so we are analyzing how to obtain the initial capital to make a first production for sale. The product can be seen on the website at www.infinite-frame.com.






José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Aripa project – Social Facility for the Workers of Santa Maria Hospital Support Association in Loures

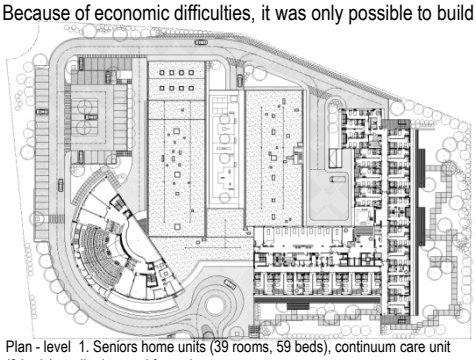
**Client**: Workers of Santa Maria Hospital Support Association
**Year:** 2006-2012. Partly built

**Location:** Camarate, Loures, Portugal

**Gross area:** 18 000.00 $m^2$ (build: 8 000.00 $m^2$)

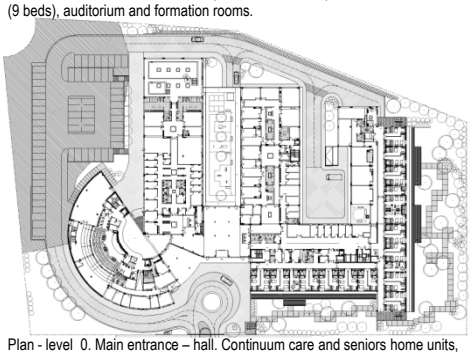
**Position held:** Design and Construction Coordinator

**Project:** This is a social facility that combines several services opened to the community, getting together children, adults and elderly people. It has a Cultural service with an auditorium and training rooms, health care with physical rehabilitation unit and continuum care units, social service with seniors' residential units, day care and day center units, and also mortuary and religious service. The economic difficulties determined the low cost construction solution (reinforced concrete structure with cement blocks walls coated with external thermal insulation system (ETICS)). Inside, the solutions are simple with common materials for public health care buildings (vinyl and ceramics on floors, brick and plaster walls with acoustic insulation, and plaster or metallic ceilings). The building is exposed to a view from east and south over the Tagus River. A shadow protection was developed over the windows to optimize natural light and views, without overeating in the summer, minimizing electrical and HVACs consumption. Because of economic difficulties, it was only possible to build part of the building until the present time.



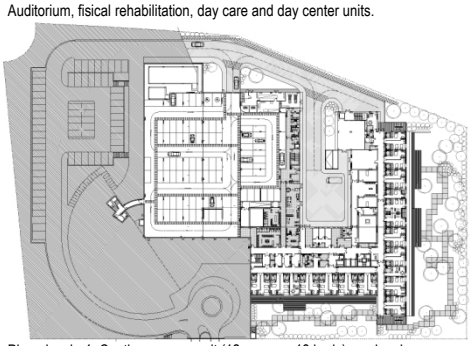
Plan - level 1. Seniors home units (39 rooms, 59 beds), continuum care unit (9 beds), auditorium and formation rooms.





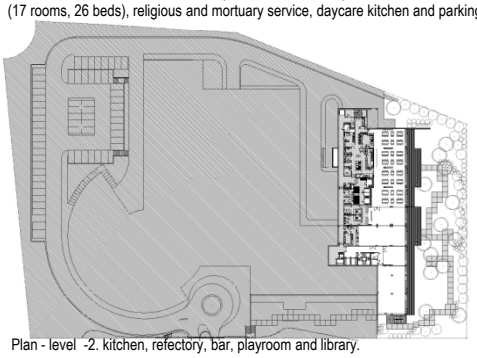
Plan - level 0. Main entrance – hall. Continuum care and seniors home units, Auditorium, fisical rehabilitation, day care and day center units.





Plan - level -1. Continuum care unit (12 rooms – 18 beds), seniors home (17 rooms, 26 beds), religious and mortuary service, daycare kitchen and parking.





Plan - level -2. kitchen, refectory, bar, playroom and library.

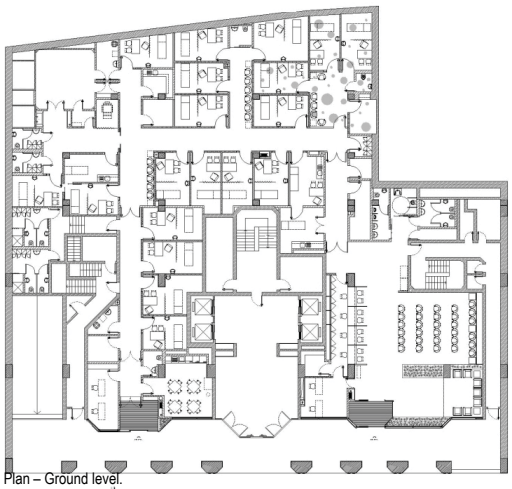


José Pedro Barros de Sousa Ribeiro, Architect
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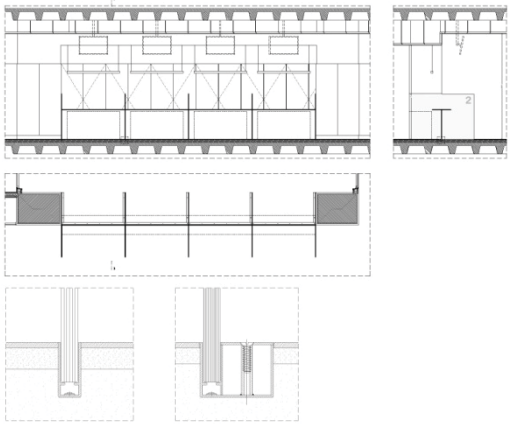
# Portfolio

## Aripa project – Medical Clinic for EDP- Electricity of Portugal in Lisbon

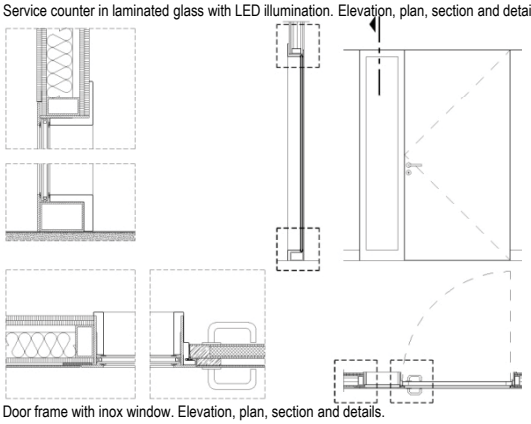
**Client**: EDP- Electricity of Portugal
**Year:** 2011. Built
**Location:** Lisbon, Portugal
**Gross area:** 900.00 $m^2$
**Position held:** Coordinator
**Project:**This is a private clinic for EDP- Electricity of Portugal to give medical assistance for their employees. Located in the Centre of Lisbon, on the ground floor of an office building, it has two entrances, one for users and the other one for staff and service. Inside, these two entrances are connected by the main circulation. The users entrance has a big hall with the waiting room, a service counter and toilets, and the door to access to the medical facilities: treatment unit, peadiatrics unit, minor surgery unit, twenty medical rooms, administrative rooms, scullery, toilets and changing rooms for staff and areas for logistical support and maintenance. One of the space constraints was that all the medical spaces are interior, without windows or connection to the outside. The solution found was a frame door with a translucent double glass window, to have light connections and shadows between interior spaces and circulations. The materials adopted were: vinyl and ceramic on floors, plaster walls with acoustic insulation and plaster or metallic ceilings. The circulation walls are coated with phenolic panels to lintel doors level and have a baseboard in stainless steel plate, like in the doors. In the hall, the counter was designed in laminated crystal glass with white PVB inside and down RGB LED illumination, that spreads coloured or white light through the glass, according to the desire of their users.



Plan – Ground level.

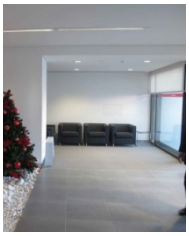


Service counter in laminated glass with LED illumination. Elevation, plan, section and details.

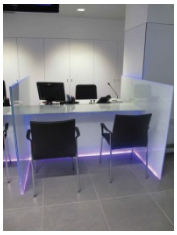


Door frame with inox window. Elevation, plan, section and details.

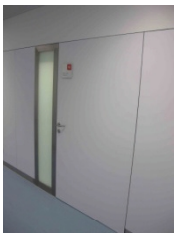




















José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Aripa project – Public International Competition for the New Hospital in Lamego, Portugal

**Client**: Ministry of Health – Hospital Central de Trás-Os-Montes e Alto Douro EPE.
**Competition year:** 2006 – 1st prize

**Construction Year:** 2009-2012 – Built.

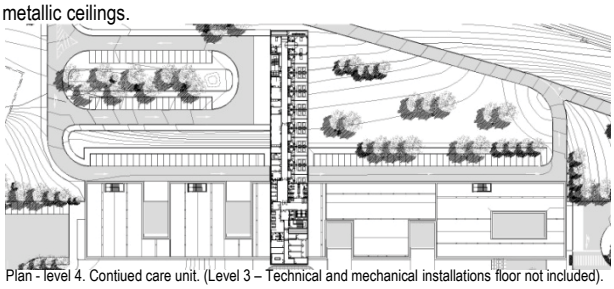
**Location:** Lamego, Portugal

**Gross area:** 16.800 m2

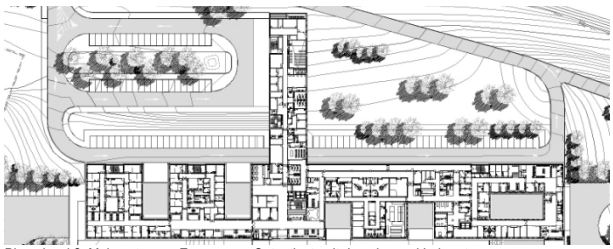
**Position held:** Collaborator

**Project:** Public international competition n.º1/2006 for the new Hospital in Lamego, 1st Prize. The Hospital has the following facilities: Emergency, Ambulatory surgery, Outpatient Unit, Imaging, Laboratory, Physical Medicine and Rehabilitation, Day Hospital. And the support facilities; Pharmacy, Sterilization, Laundry and Dietetics.

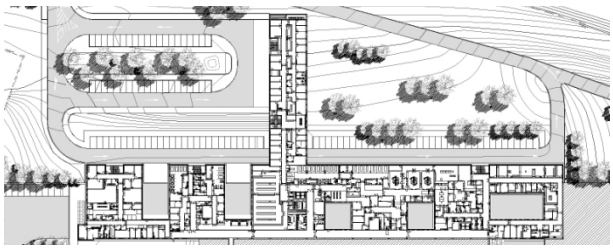
The construction solutions for the envelope were distinct for the two volumes. The horizontal one has a modulation design with a ventilated facade with precast panels of Glass Fiber Reinforced Cement (GRC) system with external thermal isolation. There horizontal lines corresponding to the slabs were enhanced and, between them, a metric modulation with one meter width was designed. It could be filled with a GRC panel or a window. Over this window modulation is placed an "Alucobond" natural aluminium anodized panel. The vertical volume has walls coated with an external thermal insulation system (ETICS), and the windows were designed as an horizontal line with the same "Alucobond" system panels. Inside the building the solutions and materials are: vinyl and mosaic on floors, brick and plaster on walls, with acoustic insulation, and plaster or metallic ceilings.



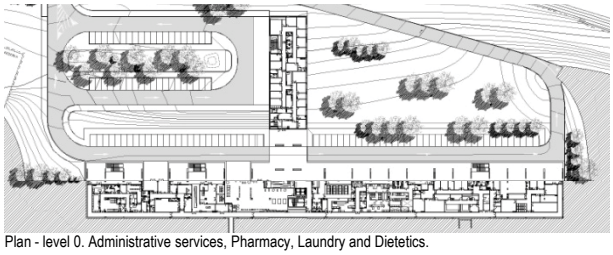
Plan - level 4. Contiued care unit. (Level 3 – Technical and mechanical installations floor not included).



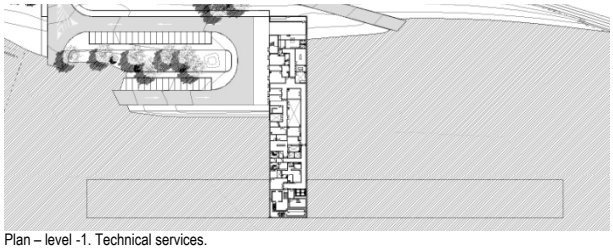
Plan - level 2. Main entrance, Emergency, Outpatient unit, Imaging and Laboratory.



Plan - level 1. Physical Medicine and Rehabilitation, Day Hospital , Ambulatory Surgery and Sterilization.



Plan - level 0. Administrative services, Pharmacy, Laundry and Dietetics.



Plan – level -1. Technical services.

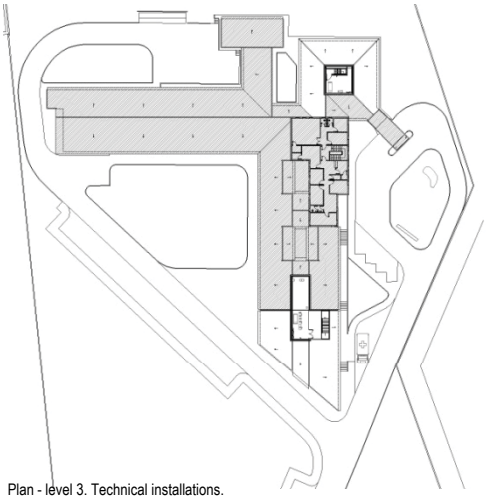


José Pedro Barros de Sousa Ribeiro, Architect
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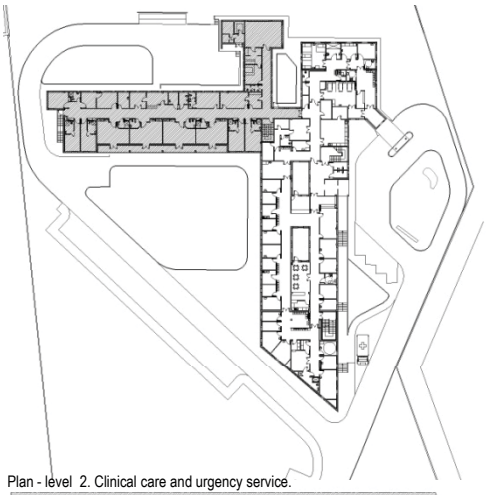
# Portfolio

## Aripa project – Extension and refurbishment of Health Centre in Vila do Porto, Santa Maria island, Azores

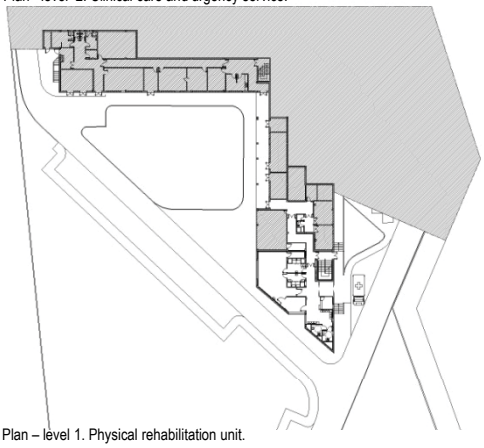
**Client**: Saudaçor - Resources and health equipment management society of Azores, S.A.
**Year:** 2011
**Location:** Santa Maria island, Azores, Portugal
**Gross extension area:** 550.00 $m^2$
**Gross refurbishment area:** 1100.00 $m^2$
**Position held:** Collaborator
**Project:** The existent Health Centre in Santa Maria island in Azores is an original project from Aripa office, started 18 years ago. The interventions for extension and refurbishment areas appear in white on the plans below. The photos show the current situation of the building and its interiors. The intervention goals are the improvement of the existent services and of their comfort conditions in interior spaces.



Plan - level 3. Technical installations.



Plan - level 2. Clinical care and urgency service.



Plan – level 1. Physical rehabilitation unit.













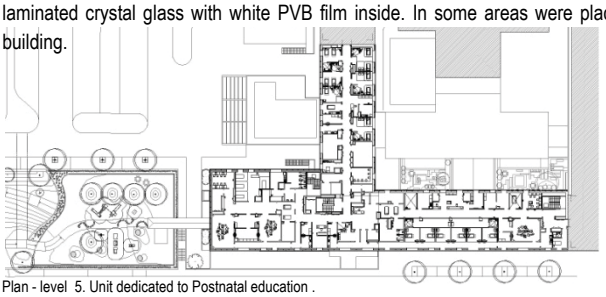


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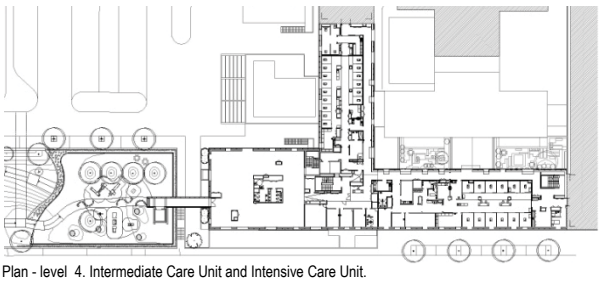
# Portfolio

## Aripa project – Extension and refurbishment of Paediatric Pavilion of São João Hospital in Oporto

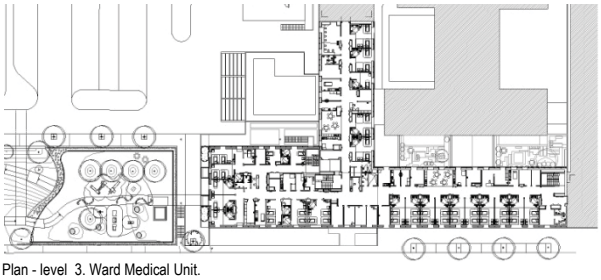
**Client**: Ministry of Health – Hospital de São João EPE.
**Year:** 2009
**Location:** Oporto, Portugal
**Gross extension area:** 6 460.00 $m^2$
**Gross refurbishment area:** 2 600.00 $m^2$
**Position held:** Collaborator
**Project:** This is a complex project for intervening in a large-scale hospital building from 1950, being the second largest hospital in Portugal. This building has a very orderly and controlled formal language and has structural foundations from the beginnings of reinforced concrete. These were the conditions of the starting for the proposal. The extension volume, level 3 to 5, has a metal structure anchored on the foundations of the existing four levels below, being the second floor refurbished. A this is a hospital for children, a facade system based also in the same regular modulation was developed, although with two sized windows that are displayed along the facade in two levels in order to give a dynamic appearance to the building and contrast with main hospital. This idea was reinforced by the facade system, which is a ventilated system with laminated crystal glass with white PVB film inside. In some areas were placed creepers, which green contrasts with the neutral colours of the building.



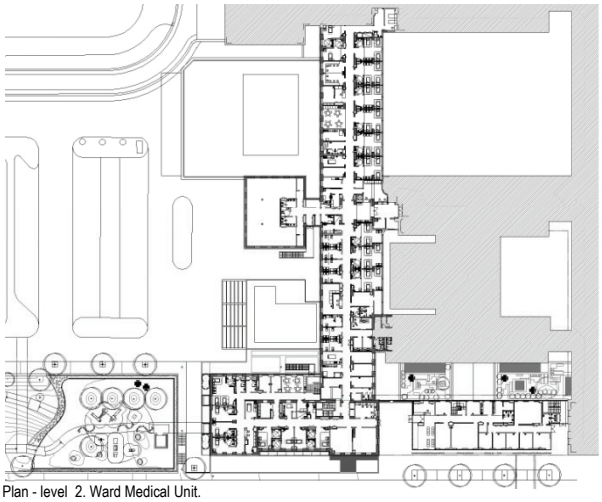
Plan - level 5. Unit dedicated to Postnatal education .



Plan - level 4. Intermediate Care Unit and Intensive Care Unit.



Plan - level 3. Ward Medical Unit.



Plan - level 2. Ward Medical Unit.











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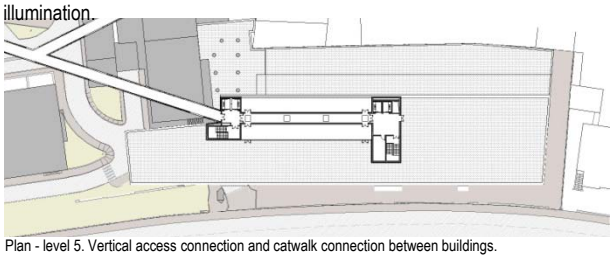
# Portfolio

## Aripa project – Competition for the Extension and Refurbishment of Imaging and Surgery Pavilion in Coimbra

**Client**: Portuguese Institute of Oncology, Hospital Campus in Coimbra
**Competition year:** 2009 – 1st Prize
**Location:** Coimbra, Portugal
**Gross area:** 12 200.00 $m^2$
**Position held:** Co-author, Design coordinator

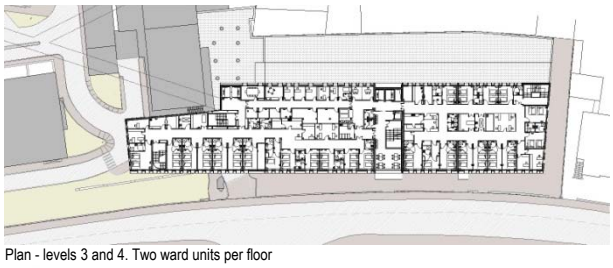
**Project:** Public international competition n.º4/2009 for the extension and refurbishment of imaging and surgery pavilion and the connections among pavilions of the Portuguese Institute of Oncology, Campus Hospital of Coimbra – 1st Prize. The complexity of this competition was related to the design of the hospital services based on present regulations and functionality, fitting the existent pavilion, extending it and refurbishing it. The existent building, from 1970, was extended to both left and right sides, and also with two more floors in order to introduce the areas and services of the competition programme. In the north side was designed a bridge structure above de main entrance of the Hospital Campus, and in the south side, the building was extended over the area of an existing villa which was demolished. The building envelope was designed with a contemporary solution of ventilated façade system with external thermal insulation and laminated crystal glass with white PVB inside. The windows were designed to maintain the metrics of the windows of the other Campus buildings.

The connection between the buildings is a catwalk with only two support points on five thin tubular sections. It has strategic windows with views over the landscape. The envelope has the same glass solution with a shaded glass ceiling with solar protection blades, for natural daylight illumination.



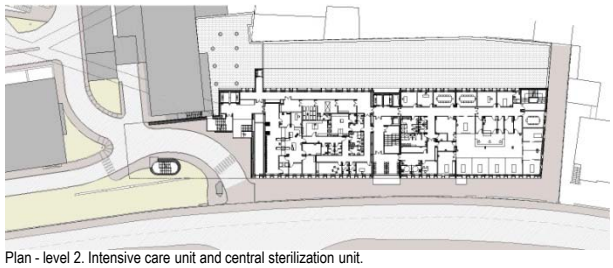
Plan - level 5. Vertical access connection and catwalk connection between buildings.





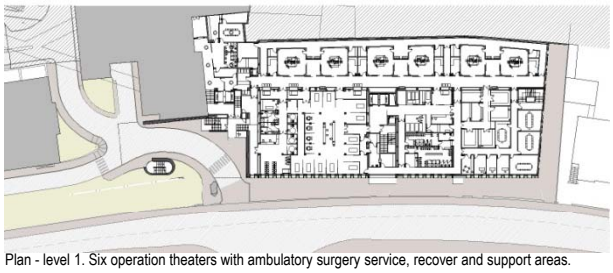
Plan - levels 3 and 4. Two ward units per floor





Plan - level 2. Intensive care unit and central sterilization unit.





Plan - level 1. Six operation theaters with ambulatory surgery service, recover and support areas.





Plan - level 0. Imaging, pneumology, gastroenterology and religious services



José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

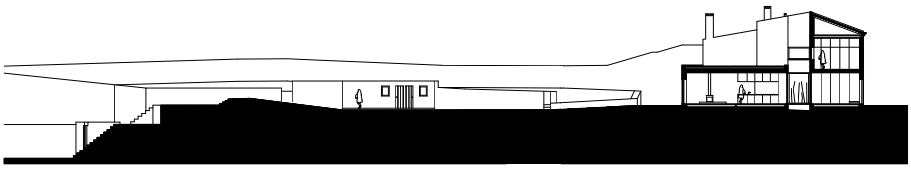
## House in Lagoa, São Miguel island, Azores  Portugal

**Client**: Private
**Year:** 2007 - built

**Location:** Lagoa, São Miguel island, Azores - Portugal

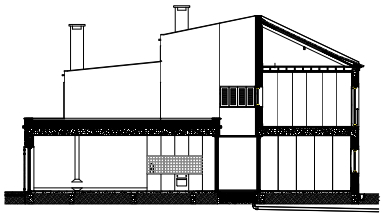
**Gross area:** 200 $m^2$

**Project:** This is a house located in an old fisherman's neighbourhood located in Lagoa, São Miguel Island, Azores. The site is very particular and beautiful because its terrain has a very thin and long configuration, 10 meters above the sea level, with an old house with two floors. The initial intention of the owner was to refurbish the existent house, but after an examination of the construction, it was concluded that it was a very poor construction with big local basalt rocks connected with poor sand mortar that easily crumbled. The option was to demolish the old house and build a new one considering the design and functional structure of the existent, improving the habitability and comfort conditions inside and the extension of the spaces. The new house has also two floors and an attic. Because of the thin width (6m), the deep depth (15m) and inflected configuration of the plan, a solution was developed with a central patio on the ground floor to bring natural light and ventilation into the interior spaces. The first floor was also designed around the patio, so that all the spaces can have South solar exposure and the view to the sea. In the ground floor there is the living and dining room with an incorporated kitchen, a guest room and toilets. In the first floor there are two rooms with dressing room and closet, and a bathroom. The south room has a balcony and a green roof cover was designed for the other terrace.
Outside are the laundry room and gardening storage room as a annex to the house. It was built incorporated in the land and in the existing stone walls.



Global section



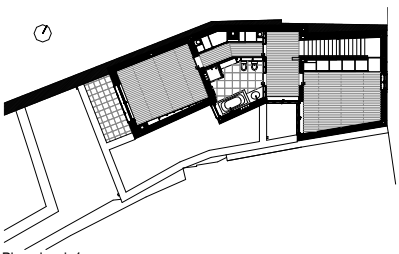


Section through the patio



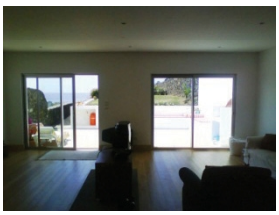




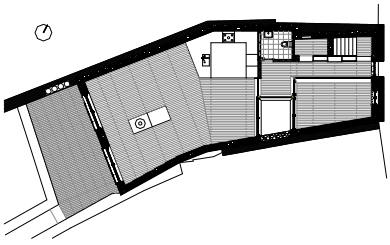


Plan - level  1

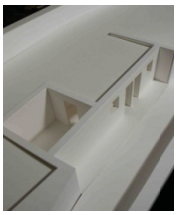




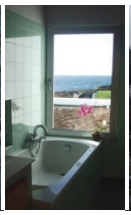


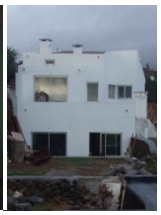


Plan - level  0









José Pedro Barros de Sousa Ribeiro, Architect

Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email:  josepedro.sousaribeiro@gmail.com

# Portfolio

## Master's Thesis - Bioclimatic refurbishment of mixed construction residential buildings, a case study in Lisbon

**Year:** 2004 – 2007 (duration of Master's degree)

**Location:** Lisbon - Portugal

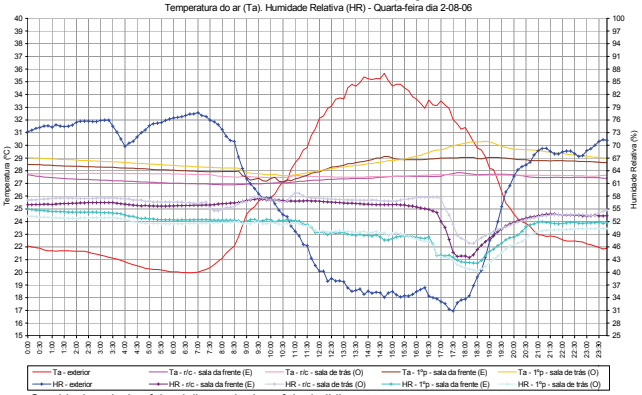
**Thesis:**The object of the Thesis was bioclimatic refurbishment of housing buildings known as mixed construction buildings from the 1930's-40's, as being the first building examples with the introduction of concrete slabs with masonry walls. In Portugal, these buildings are also known as examples of Portuguese Modernism Architecture, beeing Cassiano Branco one of the most important Architects. His work includes several remarkable examples of buildings with specific design and details that inspired almost every constructor of that time, who worked with him and copied his examples, resulting on several urban blocks in Lisbon and in all our country with more or less detail, depending on the economic and social context of the neighbourhood.

The goal of the study was to contribute to the methodology of analysis for refurbishing buildings that consider Bioclimatic Architecture principles in its process, verifying which potentialities from the local site can be taken into account for the refurbishment (such as climate, solar orientation and insulation hours per day along the year) and evaluate characteristics of the construction (such as thermal mass, isolation and windows), to define strategies and solutions to get better energetic performance in the use of the buildings, together with better comfort in their spaces.

Several inquiries were made to inhabitants of different kinds of these buildings to identify common aspects of the constructions in terms of physical pathologies and inside comfort conditions (thermal comfort, natural light and acoustic isolation) analysed through SPSS software. Then the study focuses on one case study of this kind of building, a lower economic class example, and the proposed methodology was applied to its survey. Then the building physical pathologies were analysed, the interior spaces were monitored during the winter and summer time, observing air temperature and relative humidity and comparing with outside registrations. A virtual model of the building was produced, to simulate and analyse its energetic performance with Ecotect v5.20 software, and the Portuguese Law RCCTE was applied to evaluate its energetic classification. After the analysis of the conclusions, were maid several presentations of design recommendations.




Solar chart at the level of the first floor level, obtained with the program Ecotect v5.20.

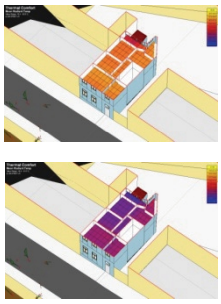



Graphical analysis of the daily monitoring of the building.

| Dados da monitorização do período de Inverno de 28 de Janeiro a 5 de Fevereiro | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Exterior | r/c | | 1ºpiso | | Sótão |
| | | | | Sala da frente | Sala de trás | Sala da frente | Sala de trás | |
| Valores médios | Temperatura do ar (ºC) | Máxima | 17.9 | 12.9 | 12.3 | 12.7 | 10.6 | 12.5 |
| | | Média | 11.1 | 12.3 | 12.1 | 11.8 | 10.2 | 11 |
| | | Mínima | 4.2 | 12.4 | 11.8 | 10.9 | 9.7 | 9.5 |
| | | Amplitude | 13.7 | 0.5 | 0.5 | 1.8 | 0.9 | 3 |
| | Humidade Relativa (%) | Média | 71 | - | 64 | - | - | - |

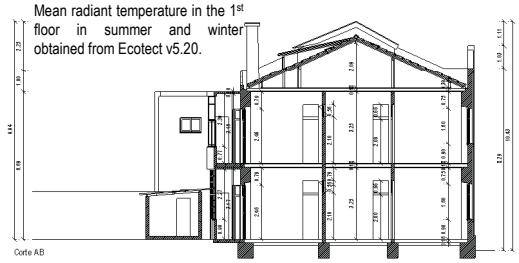
| Dados da monitorização de verão de 22 de Junho a 2 de Agosto | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Exterior | R/c | | 1ºpiso | |
| | | | | Sala da frente | Sala de trás | Sala da frente | Sala de trás |
| Valores médios | Temperatura do ar (ºC) | Máxima | 38.8 | 27.4 | 27.4 | 28.5 | 29.2 |
| | | Média | 25.2 | 27.0 | 27.2 | 27.9 | 27.9 |
| | | Mínima | 19.7 | 26.6 | 27 | 26.7 | 27.1 |
| | | Amplitude | 14.1 | 0.8 | 0.4 | 1.8 | 2.1 |
| | Humidade Relativa (%) | Média | 59 | 54 | 54 | 51 | 45 |

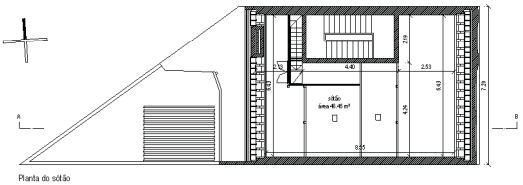
Summary tables of values of air temperature observed during winter and summer.

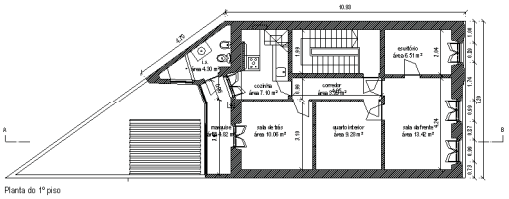


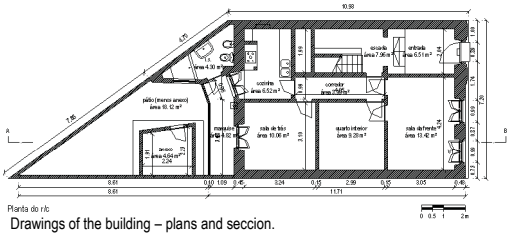


Mean radiant temperature in the 1st floor in summer and winter obtained from Ecotect v5.20.




Drawings of the building – plans and seccion.

José Pedro Barros de Sousa Ribeiro, Architect

Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

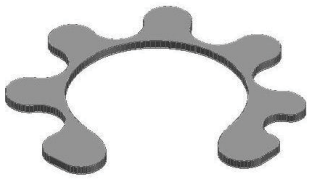
# Portfolio

## Labicer National competition – Vitrakem “Arquitectar o Ambiente”

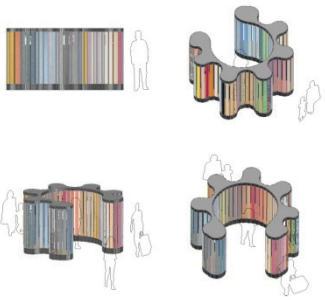
**Client**: Labicer
**Year:** 2007

**Location:** Lisbon - Portugal

**Project:** This project is the proposal solution for the competition “Arquitectar o Ambiente", sponsored by Labicer, in order to raise awareness of the coating materials of walls and mosaic pavements Vitrakem, produced with recovery and recycling of materials. It was giving an area of 3m$^2$ and a maximum height of 1.8 m. It was developed as an idea for an object/stand to expose the material and its manufacture policy with recycling materials. The exhibition area for the stand was in one of the lobbies of the Lisbon Airport. This stand was developed as a screen-walled cylindrical volume with curves, defined by strips of Vitrakem mosaic, 10cm wide, supported by flat blades in stainless steel plate, bolted on a base, which works as a container for the raw material of this product production. On top was designed a light box with opal acrylic to illuminate the inside of the object. Inside the object, placed in the centre of each curve, there is a tubular support to exhibit photographs of spaces coated with the sponsor mosaics.



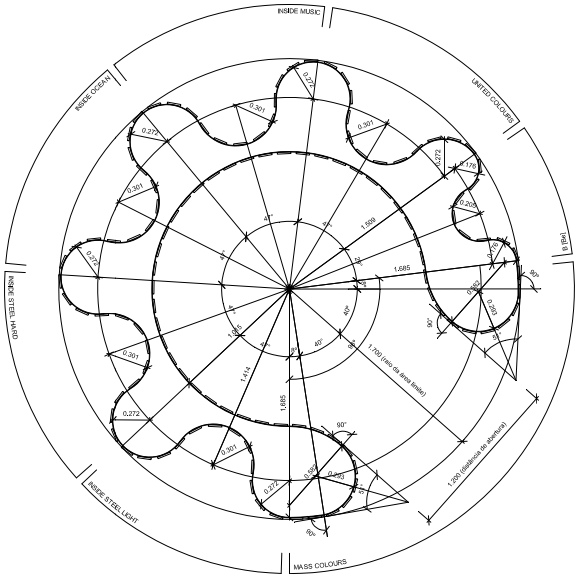




Cobertura



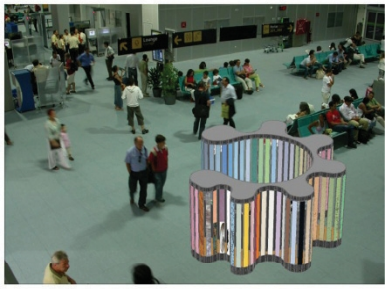
Corpo






Base



José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

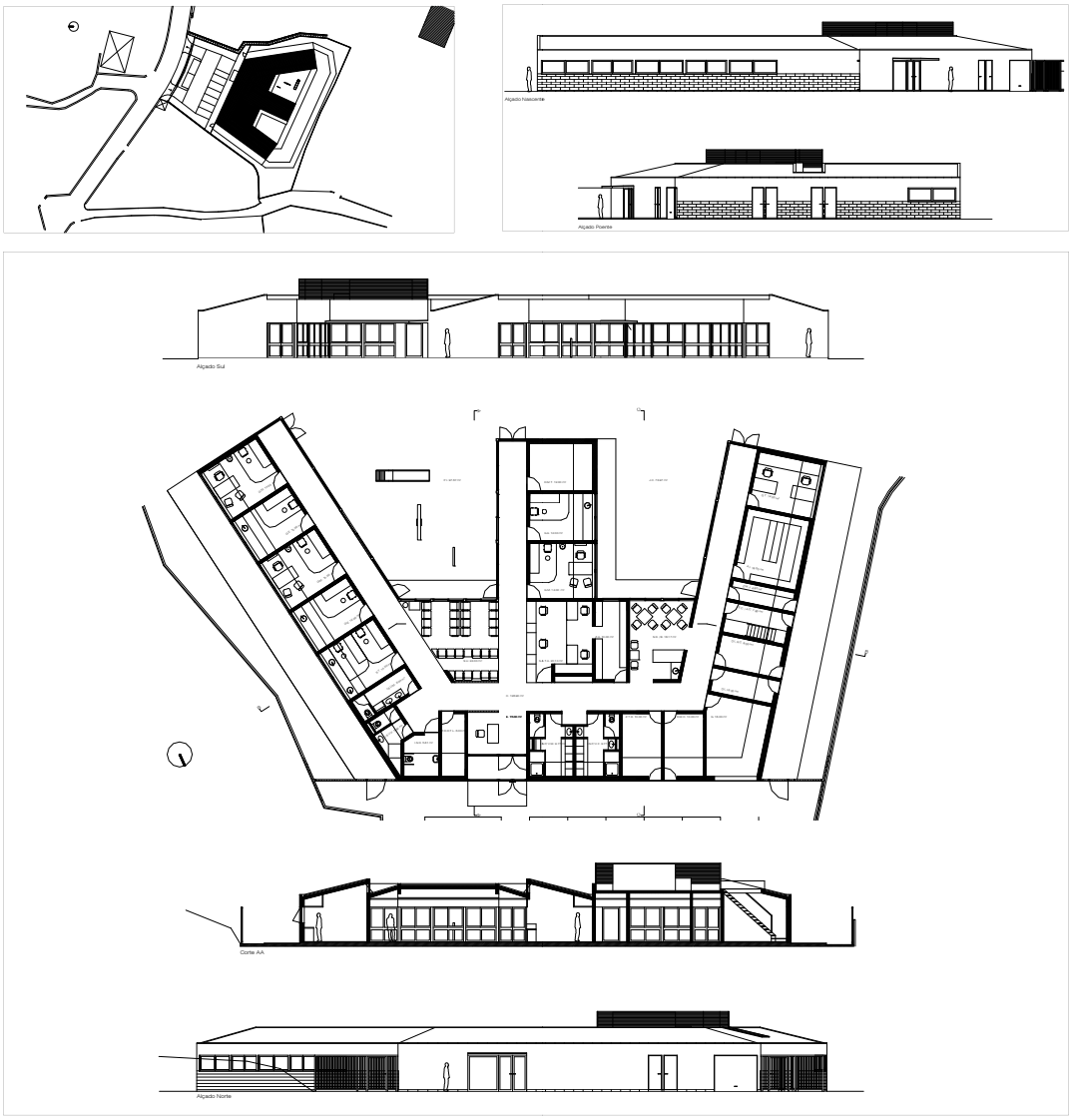
## Public competition No. 1/04 For the Health Centre in Castelo do Neiva, Viana do Castelo, Portugal

**Client**: North Health Regional Administration
**Year:** 2004

**Location:** Castelo do Neiva, Viana do Castelo - Portugal

**Gross area:** 530.00 $m^2$

**Project:** Designed for the "public competition No. 01 / 04 – for the Health Centre in Castelo do Neiva," Viana do Castelo, Portugal. The proposed building is implanted in three areas: the car park beside the road, the building construction in the central space, and a green area available for the extension of the building for another Health Care unit in the future. The "E" form designed is a result of the planning of the programmatic spaces according to two axes/corridors, which intersect the entry and separate the area for users from the area for employees. The exterior spaces were also divided in two and relate directly to the core units. The Reception and the Waiting Room are located in the area of the users and the meeting room/bar is on the area for the employees. The section drawing shows two pitched roofs. The first, above the functional areas, is designed to have two windows for the working spaces, one on top and the other on the opposite side near the working plan, allowing natural light to get inside and cross ventilation when needed. The second cover is over the corridors and accommodates piping and wiring technique. The aim is to achieve a simple and economical construction and thus constituted by a structure of columns, walls and beams embedded in masonry walls. The roofs are made of ceramic above prestressed beams.




Drawings of the competition.

José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

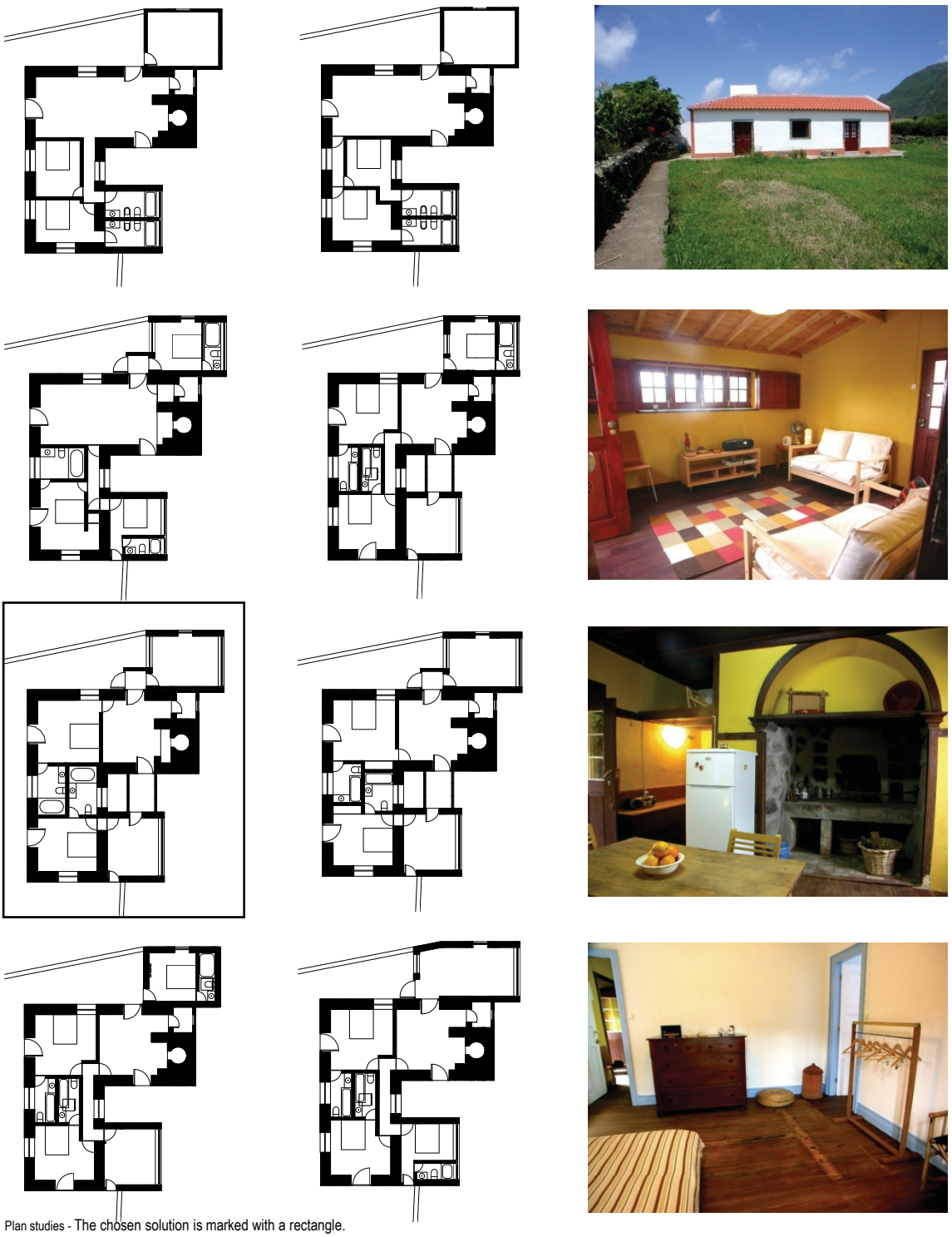
## Refurbishment project of a House for Rural Tourism in Fajã Grande, Flores island, Azores, Portugal

**Client**: Private
**Year:** 2006 - built

**Location:** Fajã Grande, Flores Island, Azores - Portugal

**Gross area:** 150.00 $m^2$

**Project:** This project consisted in developing ideas for the refurbishment of an existing dwelling in the village D'Água, Fajã Grande, Flores island - Azores. The owners intended to carry out works of conservation with minimal intervention and changes, in order to maximize spaces for Rural Tourism. A series of proposals were presented and subsequently discussed, implemented and decorated by the owners. The chosen solution is marked with a rectangle on the drawings below. It represents the solution with greater autonomy and independence of spaces.



Plan studies - The chosen solution is marked with a rectangle.

José Pedro Barros de Sousa Ribeiro, Architect

Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## National Competition for the refurbishment of the building for the Order of Architects, Faro - Portugal

**Client**: Order of Architects
**Year:** 2003

**Localization:** Faro – Algarve, Portugal

**Gross area:** 200.00 m$^2$

**Project:** Presented proposal for the National Competition for refurbishment of the building for the Order of Architects in Faro – Algarve, South of Portugal. The building is located in the historic centre of the city of Faro and consequently conditioned by specific rules to be applied. The front main façade should be maintained, but the inside was to be demolished as it was a ruin, and it should be extended by one more floor. The solution considered its integration in the urban context with similar proportions of volumes, windows' design, colours and materials. Inside, the functional spaces were organized according to the functional program. On the ground floor was designed a multifunction space equipped with tree pairs of sliding panels that allowed numerous partitions of the space according to different needs, such as exhibitions, working spaces or open space. In this floor there is also the reception, toilets and an elevator for the disabled, as well as a small bar with a terrace that communicates to the back street. On the first floor is located the administration room, toilets and a small library with roof light. For both floors green areas were proposed, to introduce nature into the spaces.

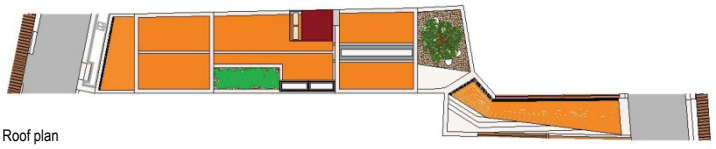


Order of Architects





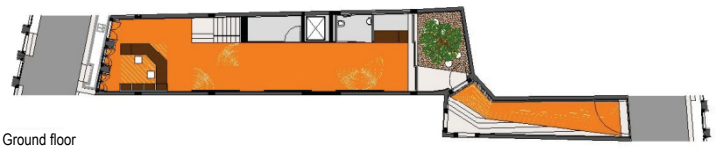
Longitudinal section



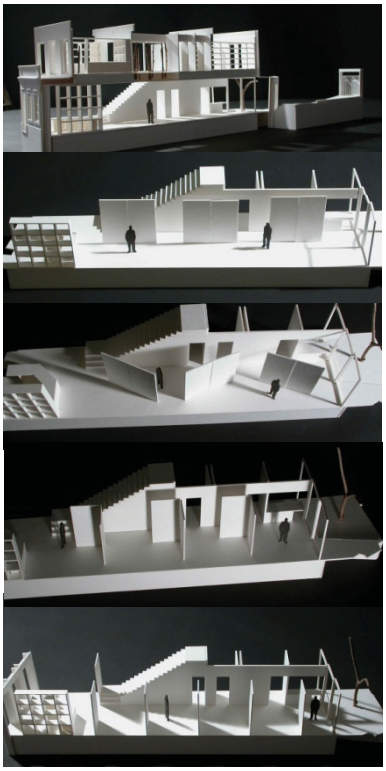
Roof plan



First floor



Ground floor



José Pedro Barros de Sousa Ribeiro, Architect

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# Portfolio

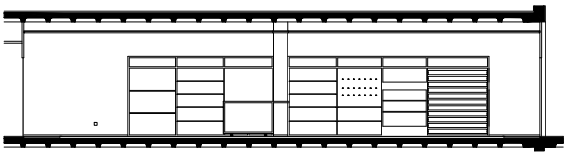
## Shop of furniture and clothes for children - “Os Ursitos”

**Client**: Os Ursitos
**Year:** 2002 - built

**Location:** Barcelos - Portugal

**Gross area:** 106.00 m$^2$

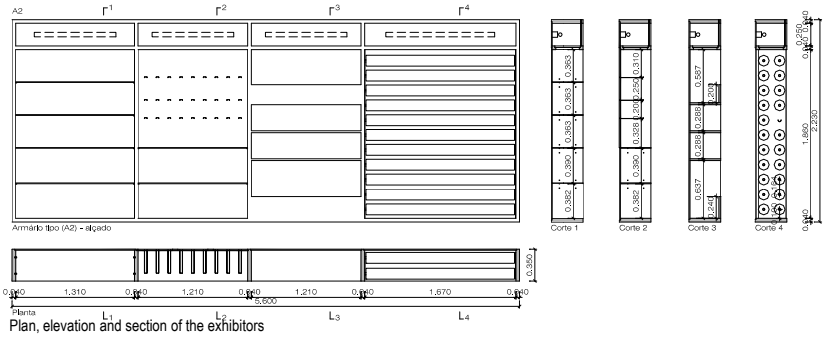
**Project:** This is one of the shops of the national franchise network "Os Ursitos", which sells furniture and clothes for children. There is a series of prerequisites for the installation of these shops according to the needs of the spaces, such as: Storefronts for Exhibitors; Attendance Area with a Service Desk; Available Areas for Showrooms / Mobile Exhibitors / Storage / Office and Sanitary Installation. All these areas are designed in accordance with the characteristics of the place and with the spatial dimensions of each store, in conjunction with the commercial interests expressed by the customer. The covering materials and the construction solutions are also the same in all stores, such as: floating floors, walls covered with paper provided by the brand, ceilings in plaster, furniture design, light and colour.
This shop represents a very common layout, with the showrooms in front of the storefronts, a corridor aligned with the entrance, with the attendance area strategically positioned, lined with furniture displaying the articles. On the back of the showrooms there is a storage area and the access to the toilets.



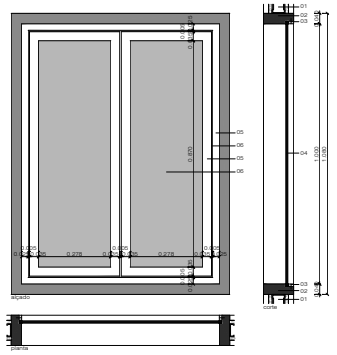
Section AA.




Plan layout.




Plan, elevation and section of the exhibitors



False window detail.

















José Pedro Barros de Sousa Ribeiro, Architect

Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

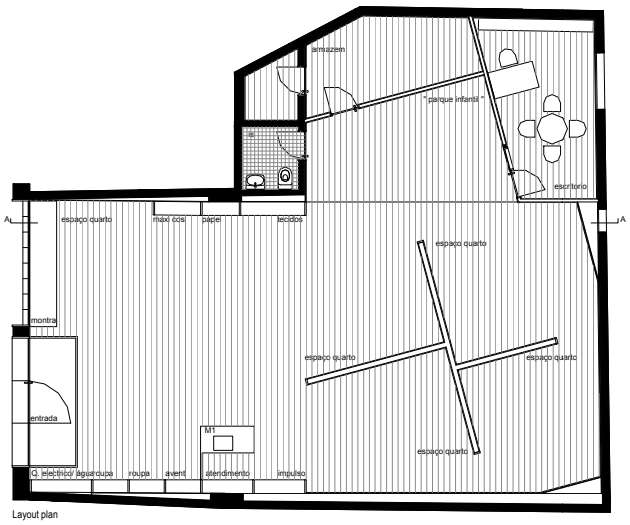
# Portfolio

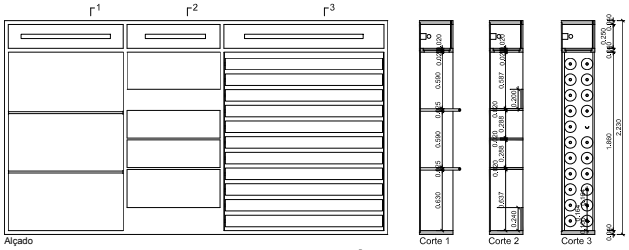
## Shop of furniture and clothes for children - “Os Ursitos” - Beja

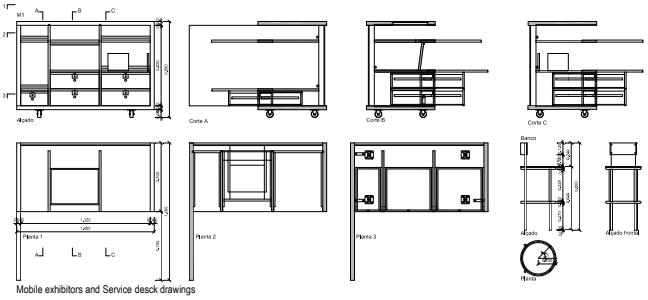
**Client**: Os Ursitos
**Year:** 2002 - Built
**Localization:** Beja - Portugal
**Gross area:** 157.00 m$^2$

**Project:** This is one of the shops of the national franchise network "Os Ursitos", which sells furniture and clothes for children. There is a series of prerequisites for the installation of these shops according to the needs of the spaces, such as: Storefronts for Exhibitors; Attendance Area with a Service Desk; Available Areas for Showrooms / Mobile Exhibitors / Storage / Office and Sanitary Installation. All these areas are designed in accordance with the characteristics of the place and with the spatial dimensions of each store, in conjunction with the commercial interests expressed by the customer. The covering materials and the construction solutions are also the same in all stores, such as: floating floors, walls covered with paper provided by the brand, ceilings in plaster, furniture design, light and colour.
This shop presents a singular layout. With a large area to work on, a central area was designed experimentally, with the exhibition rooms with a skewed orientation. The intention was to create a space dynamic to invite people to visit and walk around the spaces and watch the selling products in those different ambiances. This shop has also an extra playground area.


















José Pedro Barros de Sousa Ribeiro, Architect

Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Furniture design – Washbasin in Estremoz Marble

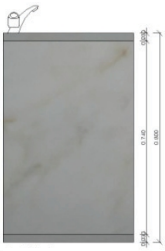
**Client**: Myself
**Year:** 2002 - Built

**Localization:** Lisbon - Portugal

**Project:** Washbasin designed for the bathroom of my flat. It was designed to be a marble box as it if it were sculpted to receive water and to be a container of personal hygiene objects for daily use. Inside it has a light to take advantage of the translucent characteristic of Estremoz Marble and be seen as beautiful light Marble box at night.
The box structure is composed of Marble sheets with 3cm thick. The basin piece was sculpted from a 10cm thick sheet. It has two pivot doors with 2cm thick. The finishing is polished, and the side sheets have a sculpted curve to allow opening the doors. The pivot hinges were also designed for this washbasin in stainless steel. Inside it has a middle glass shelve.
The photographs below show the washbasin through the three periods of the day: daylight, afternoon and night and its interaction with the light.

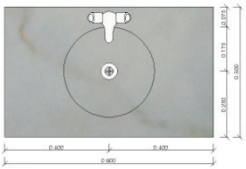


Front elevation

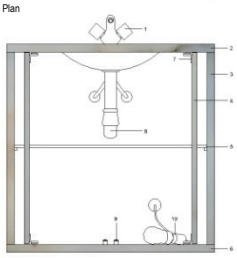


Side elevation

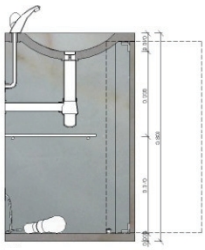




Plan

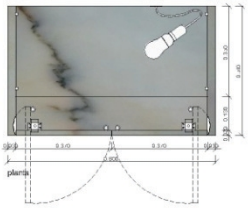


Front elevation – door open

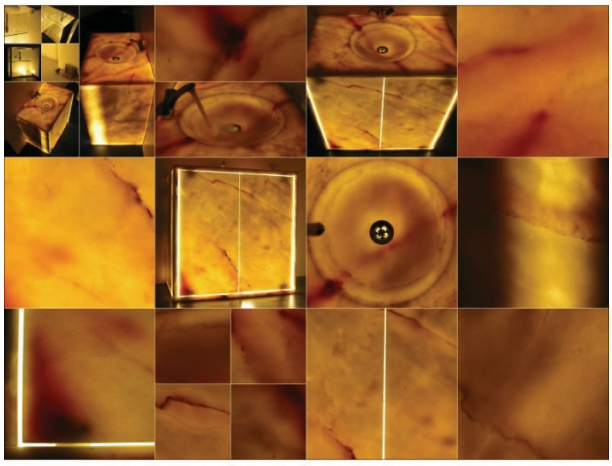


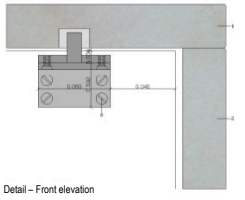
Section



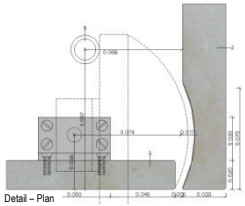


1 Mixer tap
2 Sculpted basin in Estremoz Marble - 3cm thick
3 Side piece in Estremoz Marble – 3cm thick
4 Door in Estremoz Marble – 2cm thick
5 Glass shelf with 8mm thick
6 Bottom piece in Estremoz Marble – 3cm thick
7 Pivot hinge in stainless steel
8 Siphon
9 Doorstop in stainless steel with rubber
10 Lamp

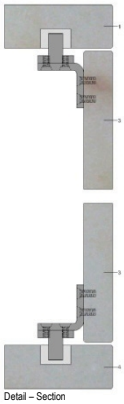




Detail – Front elevation



Detail – Plan



Detail – Section

1 Sculpted basin in Estremoz Marble
2 Side piece in Estremoz Marble with a curve sculpted to the door opening
3 Door in Estremoz Marble
4 Bottom piece in Estremoz Marble
5 Doorstop in stainless steel with rubber
6 Stainless steel screw
7 Bronze cap
8 Axis of the hinge in stainless steel
9 Basis of hinge in stainless steel

José Pedro Barros de Sousa Ribeiro, Architect

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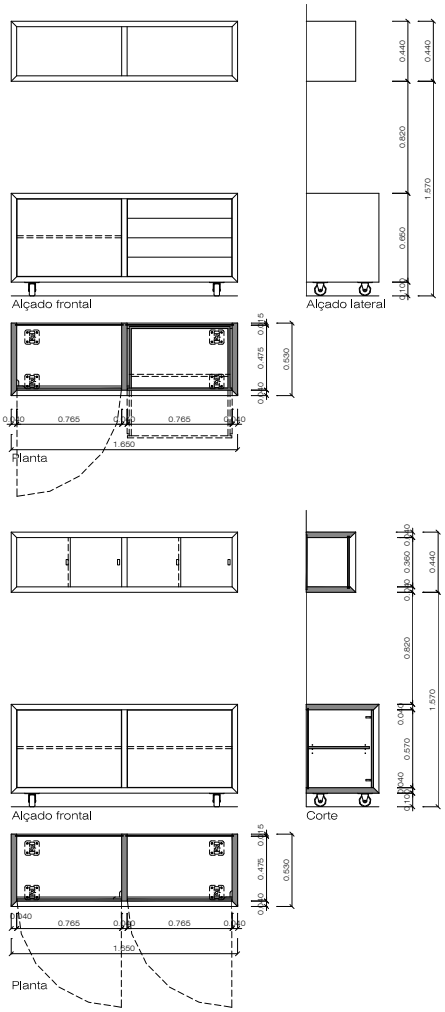
# Portfolio

## Living Room Furniture Design

**Client**: Private
**Year:** 2001 – built.

**Location:** Lisbon - Portugal

**Project:** This furniture was designed to decorate and serve the dining room of a private residence. It consist of four modules. Two lower modules with shelves and drawers, supported by four wheels and two top modules, one open and the other closed with sliding doors with frosted glass. They are constructed of birch plywood of simple design, to highlight the chosen material and meet functional needs. This intention is materialized by the design of simple volumes, with a 45º angle finish and the use of "ticking" springs to close the doors and drawers without using handles.

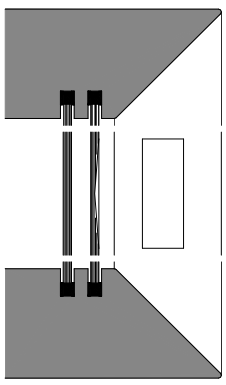










Description:

Frame in birch plywood, thickness 40 mm, with a 45º angle finish.

Doors, shelves, drawers and front structure in birch plywood 15 mm thick.

Back units and modules in 5mm thick birch plywood.

Clear matt lacquer finish.

Fittings such as "Hettich - International" from "Interfer."

Fixing parts of the structure by fittings type "rastex 15 - ref. 079 482" angle and pin-type "DU 634 - ref. 048 565", the " Interfer".

Hinges of the "flash Intermat 9936 - ref. 073 924" shims and "9000 - ref. 079 338", the " Interfer ".

Support for shelf type "system32 ref. - 025 124," the " Interfer ".

Slides for the drawers of the type "FR 6142/400 ref. - 041 639," the " Interfer ".

Impulse springs for doors and drawers ref. 212,053,025, of " Interfer ".

Mounting brackets to the wall of the upper module of the "216 SAH ref. - 079 717," the " Interfer ".

Casters type "Mecanarte", height 80mm, with lock and rubber wheels red.

Top module with transparent tempered glass doors 3mm thick rounded edges with countersunk as indicated on handle detail.

Section detail of the 45º angle finish


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# Portfolio

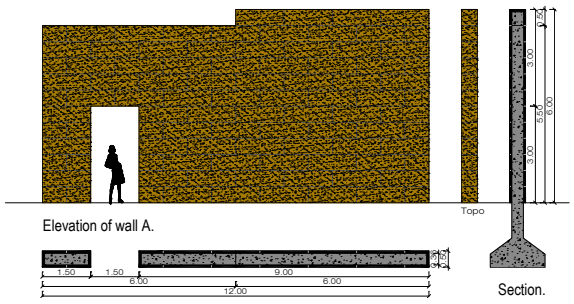
## Pedro Cabrita Reis Project – competition "Tabaqueira Public Art Fund to the City of Castelo Branco."

**Client**: Pedro Cabrita Reis
**Year:** 2001

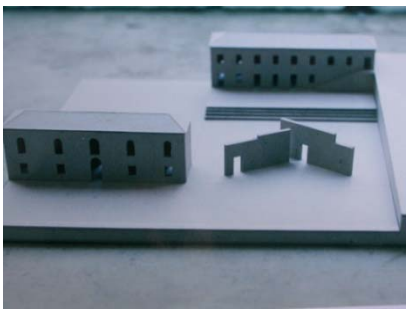
**Location:** Castelo Branco - Portugal

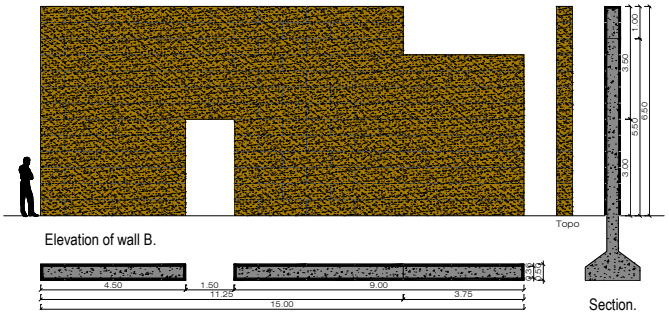
**Position held:** Collaborator

**Project:** Collaboration with the Artist Pedro Cabrita Reis, in the competition "Tabaqueira Public Art Fund, Protocol between the Institute of Contemporary Art / MC, Tabaqueira SA and City of Castelo Branco."

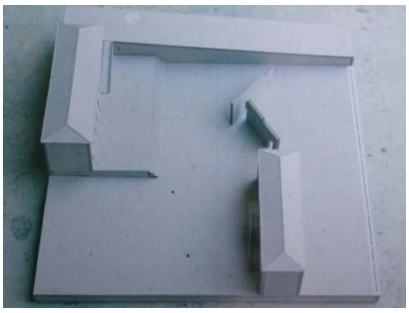


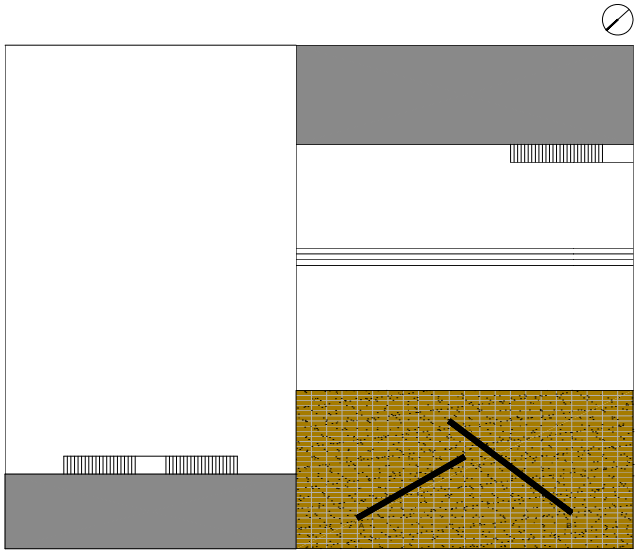

Plan - Concrete wall coated with yellow granite stone 1500x500x50mm, with sawed and bush-hammered finish.






Plan - Concrete wall coated with yellow granite stone 1500x500x50mm, with sawed and bush-hammered finish.





Global plan.

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# Portfolio

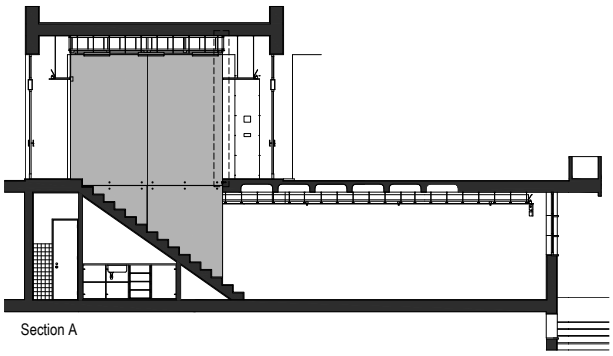
## Interior design project for “Consultan” real estate shop in Lisbon

**Client**: Consultan
**Year:** 2000 - Built

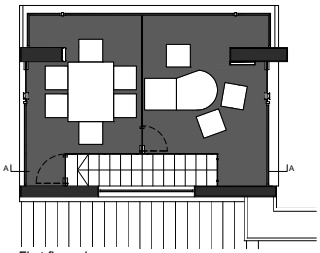
**Localization:** Lisbon - Portugal

**Gross area:** 66.00 m$^2$

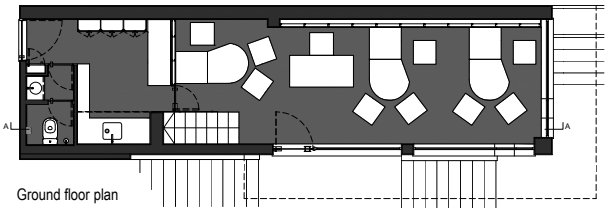
**Project:** This project was made as a freelance collaboration with Vilela & Gordon Architects. There were two shops, overlapped, connected by a spiral staircase. The client wanted a real estate shop. It was decided to locate the director’s office and meeting room on the first floor and the customers’ service and staff rooms with a toilet and a kitchenette on the ground floor.
As both spaces have small areas, one flight of stairs was designed in concrete, closed with translucent safety glass panels. The same glass was used to separate the meeting room and the Director’s room. The result is a translucent glass volume that connects both floors and, at the same time, separates the public from the staff areas. In the customers’ service room a full wall photograph with one site view of Lisbon was applied. It gives the impression of a larger room and attracts people to come inside.



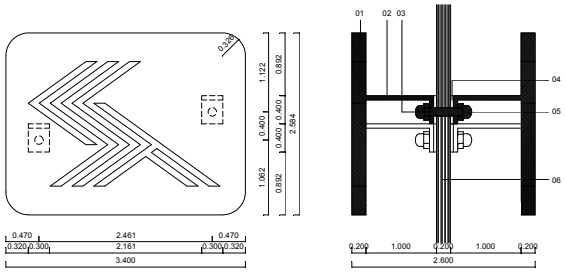
Section A



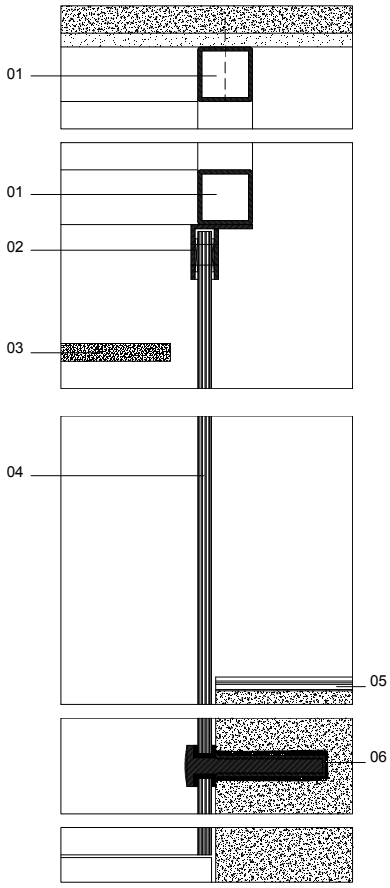
First floor plan



Ground floor plan



Handle detail
Legend:
01 Stainless steel handle with 10mm thickness with the "consultan“ logo design cutout
02 Fixing arm in stainless steel
03 Stainless steel screw ø 6 mm - "Polifer" ref.0313 0670.
04 Teflon washer with 2mm thickness
05 Stainless steel nut - "polifer" ref.0319 0600.
06 Door in safety glass - "covina - securit-satinovo" with 10mm thickness




Glass partition detail

Legend:
01 Metal structure to fix the glass panels with the dimensions 40x40 mm, fixed to the ceiling
02 Teflon washer with 3mm thickness
03 Suspended ceiling in plaster to finish with white water paint
04 Safety glass panel - "covina - securit-satinovo" with 10mm thickness with drills of ø18mm
05 Floor covering with vynil - "gerfloor - taralay. Confort uni" ref. 6750 - roll
06 Stainless steel screw fixed with chemical fix - "hilti - hit-s 22" and "hilti - hy-150"

José Pedro Barros de Sousa Ribeiro, Architect
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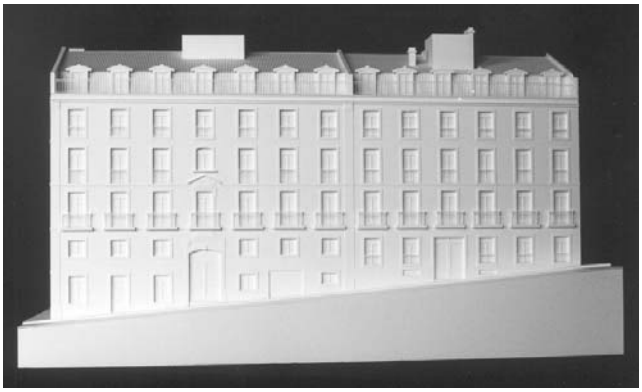
# Portfolio

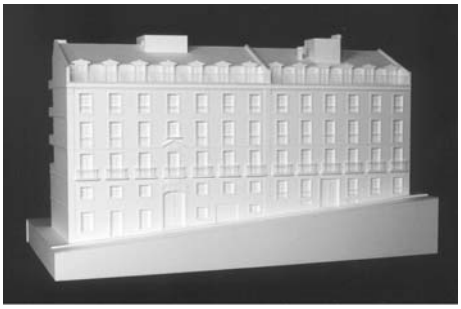
## Model of “Pombaline” building at 1:50 scale

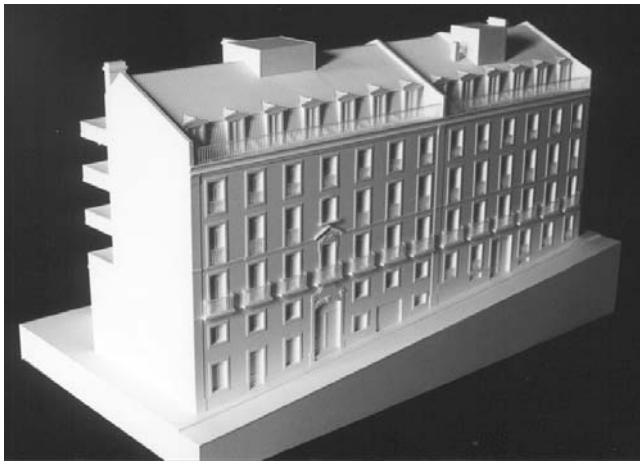
**Client**: Eça Leal Architect
**Year:** 2000 - built

**Position held:** Collaborator

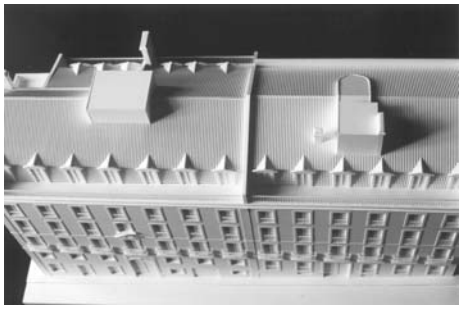
**Model:** The model was designed and drawn in autocad, built in card Framex, with thicknesses of 0.5 and 1.2 mm, and corrugated paperboard, PVC pipes with a diameter of 0.5mm. All materials are white.

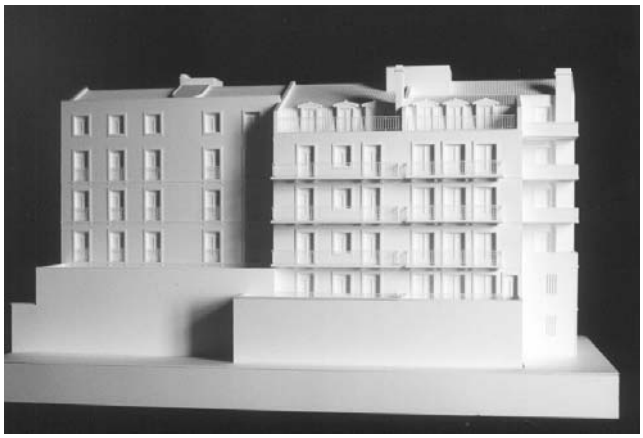














José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Vilela & Gordon project – Residence of the Embassy of Portugal in Brasilia

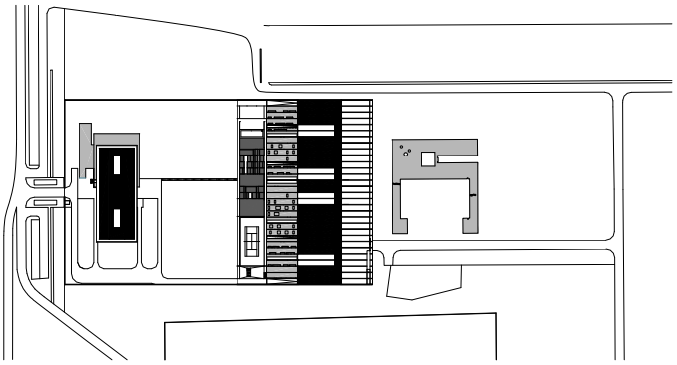
**Client**: Ministry of Foreign Affairs
**Year:** 1996 - 1998

**Location:** Brasília, Brasil

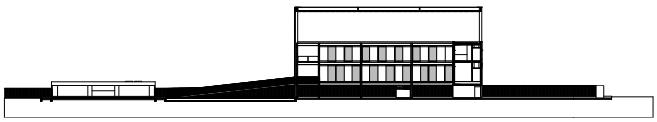
**Gross area:** 1000.00 $m^2$

**Position held:** Collaborator

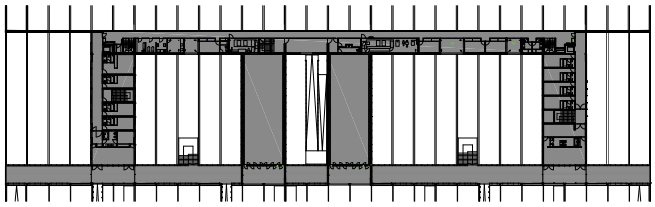
**Project:** With Vilela & Gordon Architects. Construction project and experimental and exhibitions models of the Residence of the Embassy of Portugal in Brasilia.



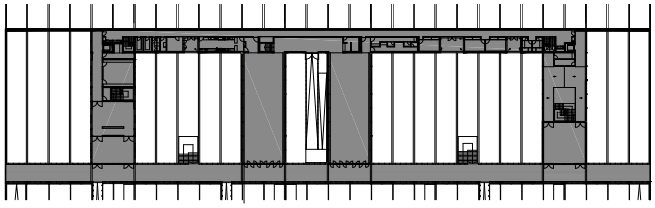
Site plan



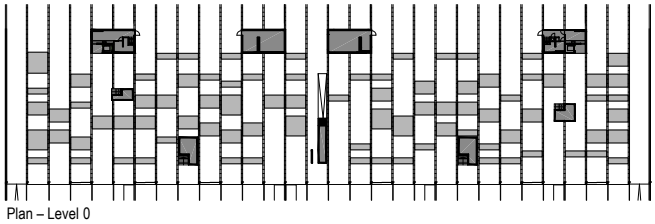
Section



Plan – Level 2

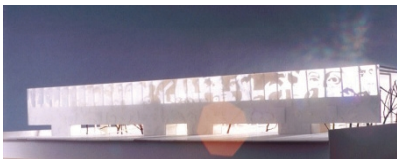


Plan – Level 1

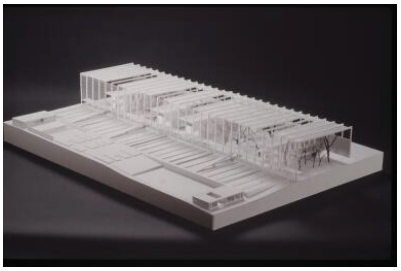


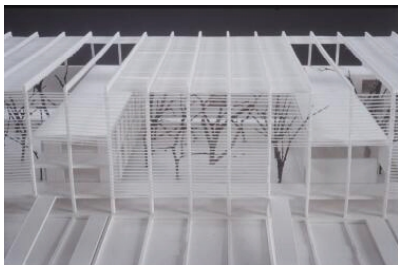
Plan – Level 0













José Pedro Barros de Sousa Ribeiro, Architect

Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Interior Design Project - Psychologist consulting room

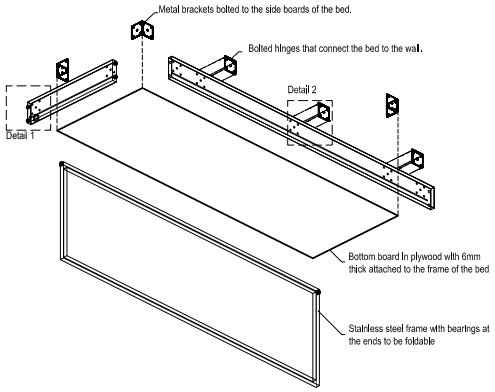
**Client**: Private

**Year:** 1996 - Built

**Localization:** Lisbon - Portugal

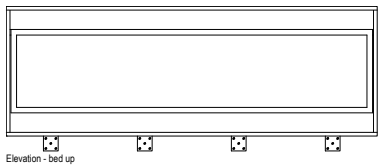
**Area:** 16.00 $m^2$

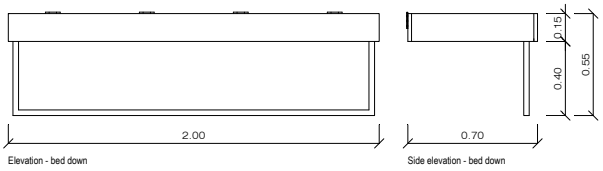
**Project:** This interior design project was made according to the needs and the personal taste of the client. This small space had to be a versatile consulting room for the practice of Psychotherapy, Psychoanalysis and Group Analysis. A folding bed was designed for the practice of Psychoanalysis, with a minimal design that would be aesthetic closed or open. It is a wooden bed with a retractable stainless steel rectangular frame. When the bed is closed it can bee seen as if it was a piece of modern art. When the bed is down, the frame is the bed's foot.
Shelves were designed in safety glass with 22mm thick, fixed to the wall on iron beams. The table is a peace of Estremoz marble with a round glass on top, 22mm thick.



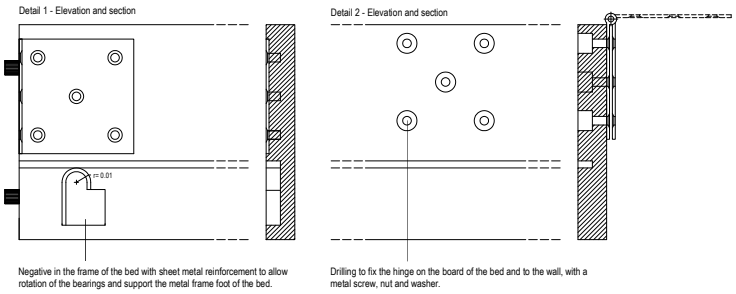




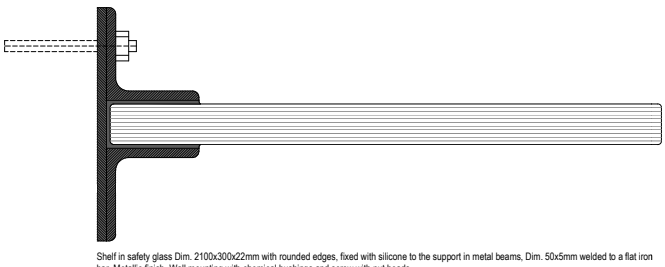










José Pedro Barros de Sousa Ribeiro, Architect

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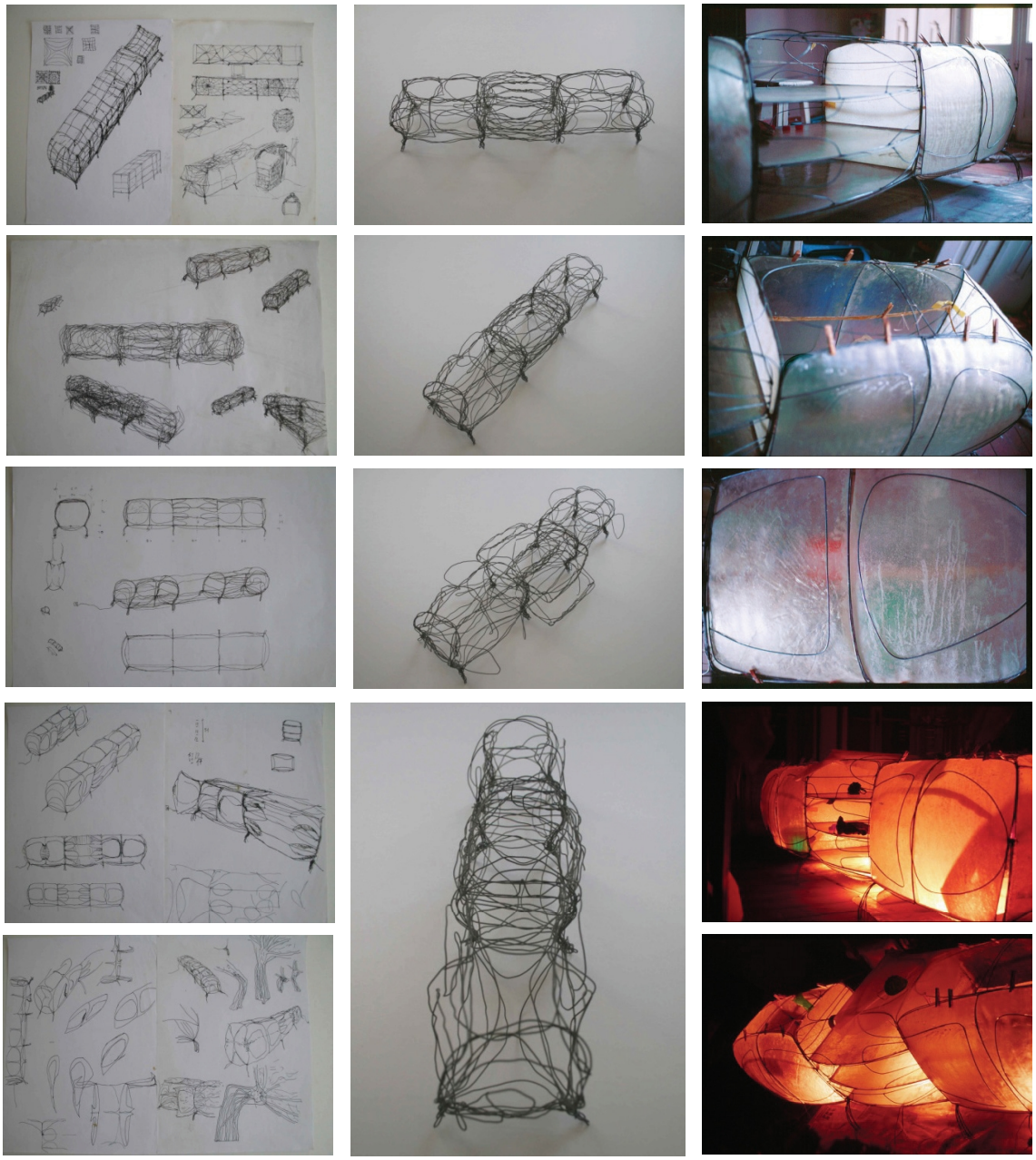
# Portfolio

## Furniture / Sculpture design – cupboard bug

**Client**: Private
**Year:** 1995 – Beginning of construction (partly built)

**Localization:** Lisbon - Portugal

**Project:** This Project starts with a relative's request to design a living room cupboard. The creative process started with drawings of regular shapes, which were not satisfying and gradually transformed into something like a larva or silkworm. This appearance was developed to get an object that could be simultaneously functional and sculptural. A wire model was made and its characteristics and my intention of making it were explained to the client.
The materials are galvanized iron wire for the support structure (skeleton) and screen fibreglass with epoxy resin to all the other parts of the object (skin). It is a symmetrical object along the longitudinal axis and its body his composed by three modules. The edges (head and tail) are shelves' modules with two pairs of doors (wings) on each side. In the centre there is a drawers' module (belly) that opens on both sides. All the three modules have a lamp inside, which illuminates the silkworm. Because of its translucent characteristics, it gives numerous impressions of light, according to the objects inside and the type of light of each moment, completing a whole cycle of reflections seen through the bug's skin, from day to night.
It was a excellent opportunity to work and experiment new materials and explore their intrinsic characteristics, that might be used for other projects.



José Pedro Barros de Sousa Ribeiro, Architect
Rua General Massano de Amorim nº15, 1º. 1300-270 Lisbon, Portugal. Phone: 00351 213 629 838. Mobile: 00351 966 427 945. Email: josepedro.sousaribeiro@gmail.com

# Portfolio

## Refurbishment project – private apartment in Lisbon

**Client**: Private

**Year:** 1995 - Built

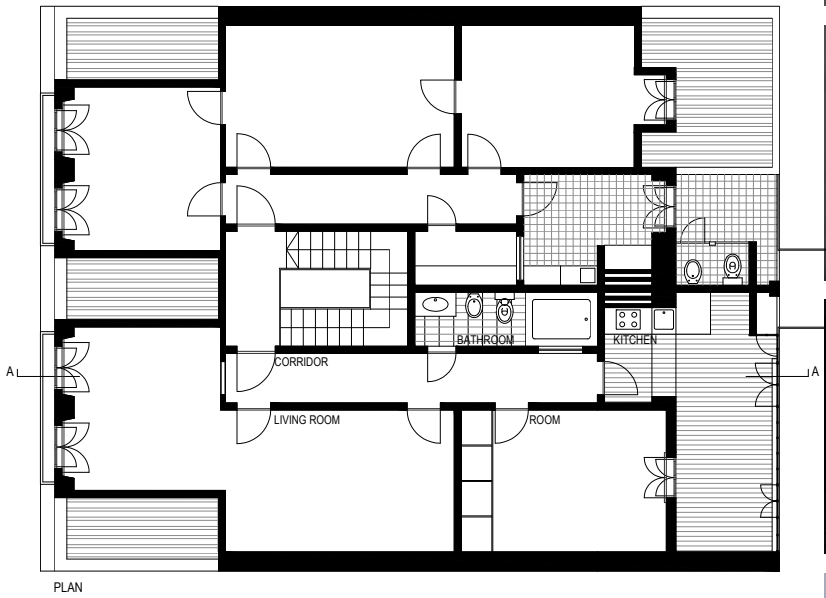
**Area:** 63.00 $m^2$

**Localization:** Lisbon - Portugal

**Project:** Attic apartment refurbishment, in Lisbon, in a building built in the decades of 1930-40. The intention was to improve the habitability conditions with small construction operations.
The operations were: extend the kitchen area to the closed terrace, change the bathroom to the pantry area, change the door room to build a closet inside. Also, the two small living rooms were connected and the door connecting the corridor with the main room was closed with translucent glass so that it can illuminate the corridor and aloud more disposing areas inside the small living room. The plan below shows the client's flat on the left side and the original flat on the right.

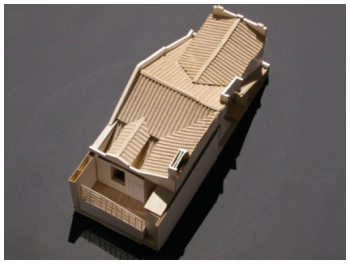


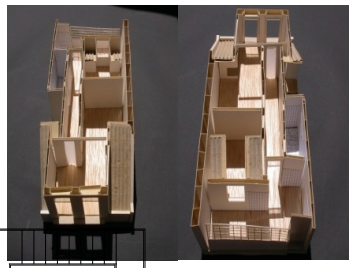
SECTION A

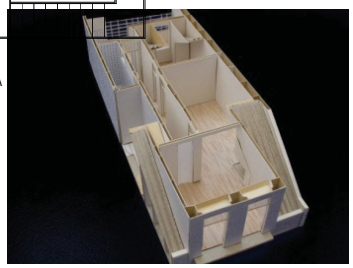



PLAN











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