

Appendix A – Financial Proposal for implementation of contract

(Failure to complete this Appendix may lead to the rejection of the tender)

HOURLY RATE TABLE

POSITION IN THE PROJECT TEAM		HOURLY RATE (Euro per hour) for implementation
A	LANDSCAPE ARCHITECT	
B	ARCHITECT	
C	STRUCTURAL ENGINEER	
D	SANITARY (water supply & sewage) ENGINEER	
E	ELECTRICAL ENGINEER	
F	QUANTITY SURVEYOR	
G	TECHNICIAN	

Appendix B – Financial Proposal for evaluation

(Failure to complete this Appendix may lead to the rejection of the tender)

SCENARIO no. 1

Project designing of the 'OUTDOOR GARDEN' located externally on the ground floor level (terrace roof over meeting room), on east side of the circulation corridor (between the reception hall and northern wing of the office building).

Further details (below) in Graphical supplement no.1 of Appendix B.

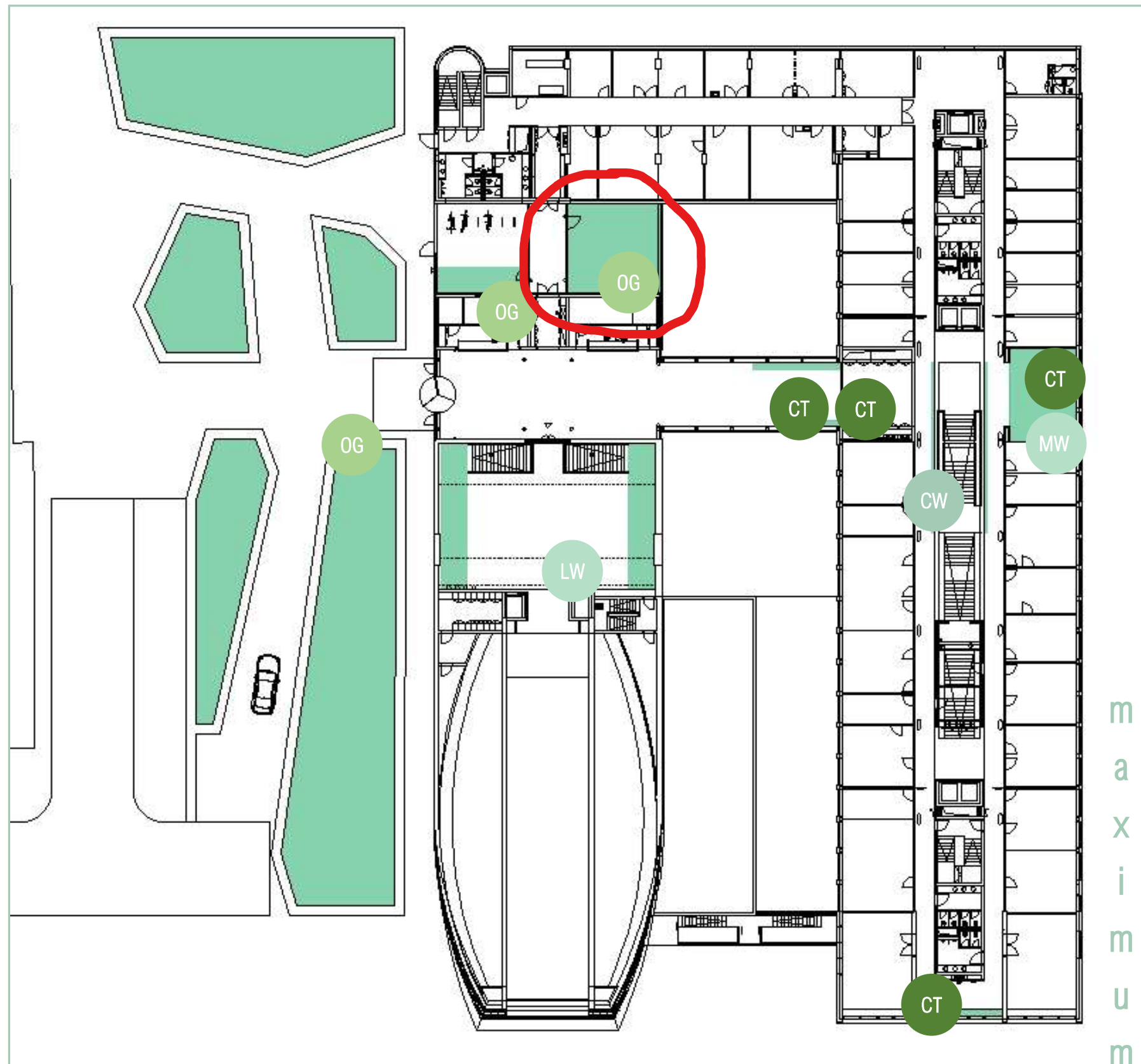
POSITION IN THE PROJECT TEAM		HOURLY RATE (taken from Hour Rate Table of Appendix A)	PLANNED NUMBER OF PERSON-HOURS PER PROJECT	PRICE FOR EVALUATION PURPOSE (hour rate x number of hours)
		1	2	3
A	LANDSCAPE ARCHITECT			
B	ARCHITECT			
C	STRUCTURAL ENGINEER			
D	SANITARY ENGINEER			
E	ELECTRICAL ENGINEER			
F	QUANTITY SURVEYOR			
G	TECHNICIAN			
TOTAL PRICE FOR THE PROJECT OF DESIGNATED AREA no. 1 (for evaluation purpose) A3 + B3 + C3 + D3 + E3 + F3 + G3				

The total price must include all project stages indicated in point 2.2 of the Tender Specifications



3.2.3 EUROPA SQUARE & GROUND FLOOR max

estimated building time
6 months



Unlike floor -1, the maximum scenario is an addition to the minimum.

With the same purpose of slowing cars down and being only possible to drive in one direction, the maximum scenario points to a non-removable and more permanent solution - big grassy slopes, just like in Ribeira das Naus. This should also improve thermal comfort at the entrance.

OG

MW

CT

CW

OG

In the lounge, a moss wall as suggested in minimum scenario, combined with some containers this solution would be unforgettable.

The containers would highlight the way to the main entrance. When visiting the headquarters for the first time these containers would welcome the guests in a "greenly" way. On south end, a container will also frame the wonderful view.

A climber wall, flanking the stairs, in the core of the building should make the final touch indoors.

Outdoors two spaces should have our attention because of their influence in overheating. The bicycle park would greatly benefit from a flowerbed on the south wall, planted with climbers to reduce reflection. The space in front, would be great in grass and bushes, only having to remove and store the pavement stones.

Appendix B – Financial Proposal for evaluation

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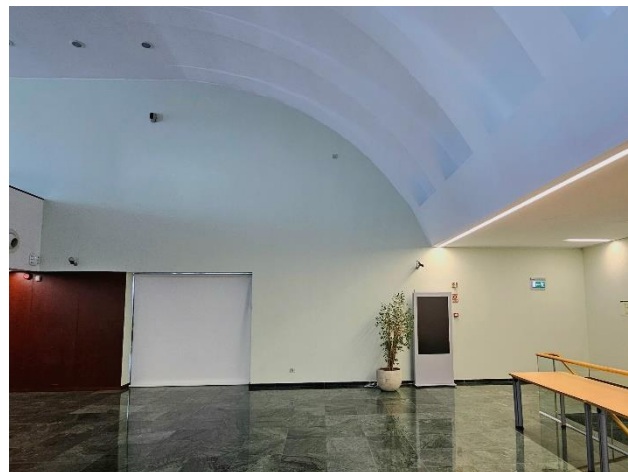
SCENARIO no. 2

Project designing of the green 'LIVING WALLS' located in the main foyer of conference centre.

Further details below in Graphical supplement no.2 of Appendix B.

POSITION IN THE PROJECT TEAM		HOURLY RATE (taken from Hour Rate Table of Appendix A)	PLANNED NUMBER OF PERSON-HOURS PER PROJECT	PRICE FOR EVALUATION PURPOSE (hour rate x number of hours)
		1	2	3
A	LANDSCAPE ARCHITECT			
B	ARCHITECT			
C	STRUCTURAL ENGINEER			
D	SANITARY ENGINEER			
E	ELECTRICAL ENGINEER			
F	QUANTITY SURVEYOR			
G	TECHNICIAN			
TOTAL PRICE FOR THE PROJECT OF DESIGNATED AREA no. 2 (for evaluation purpose) A3 + B3 + C3 + D3 + E3 + F3 + G3				

The total price must include all project stages indicated in point 2.2 of the Tender Specifications



5.3 CONFERENCE ROOM LIVING WALLS



Cissus rotundifolia



Asparagus densiflorus



Asplenium nidus



Pellaea rotundifolia



Fitonia



Pteris vittata

TROPICAL AND SUBTROPICAL RAINFOREST BIOME
example of plant species suitable for shading

One of the most emblematic areas of the headquarters is the building that hosts agency members.

On the way to the conference room, as turning right after crossing the main entrance, the first actual reception space is the conference room foyer.

The foyer is a somewhat dark space. The green toned stone that paves the area contributes to this, as well as the mezzanine, between the river and the foyer.

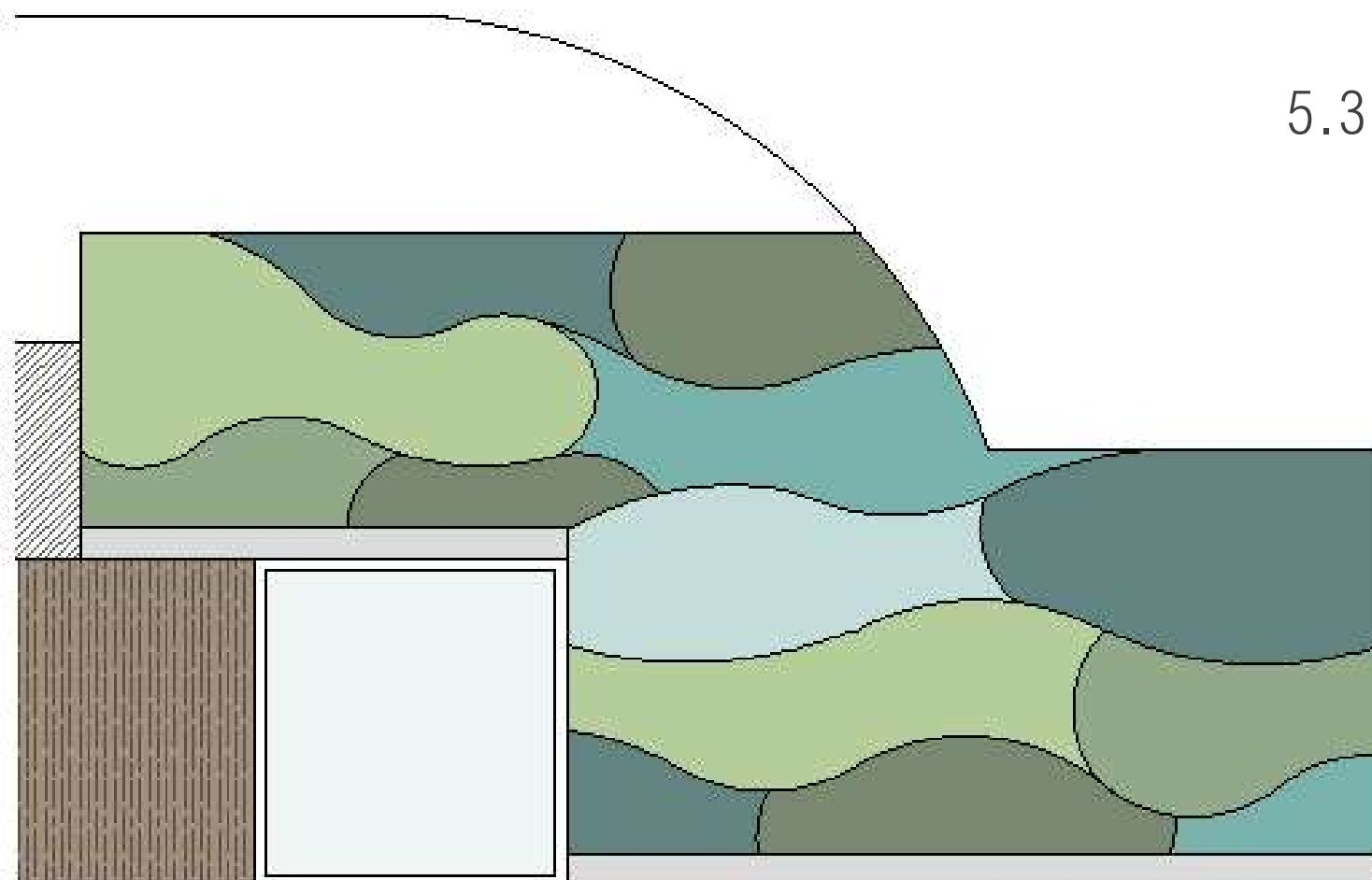
For these reasons, we intend to create a major impact here.

As mentioned regarding the scenarios, it is crucial to keep the versatility of a space that hosts so many kinds of events.

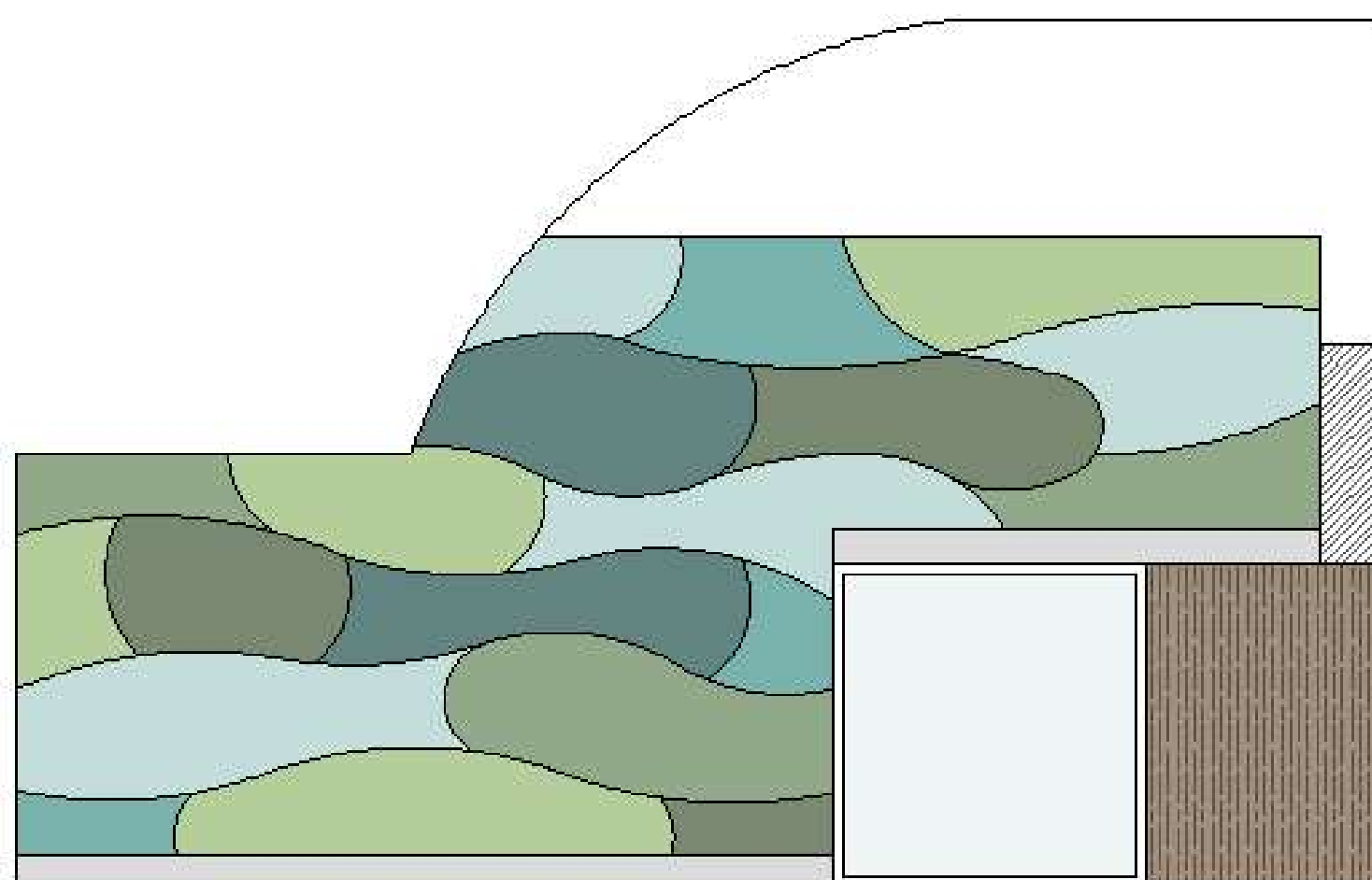
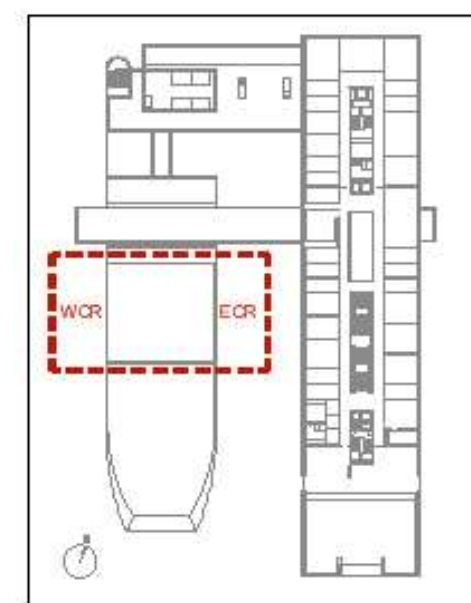
The resolution of the living walls, on the east and west walls, given their large size and the variety of species to be used, will resolve all the issues portrayed. At the same time, the LW will humanize the space and purify the air.

As there is little sunlight here, the selected species are within those found in tropical rainforests, where sunlight is filtered through the many layers of foliage and so they survive almost without light.

5.3 CONFERENCE ROOM LIVING WALLS

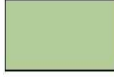



West Conference Room Living wall . WCR



East Conference Room Living wall . ECR

TROPICAL AND SUBTROPICAL RAINFOREST BIOME
example of plant species suitable for shading

-  *Cissus rotundifolia*
-  *Asparagus densiflorus*
-  *Asplenium nidus*
-  *Pellaea rotundifolia*
-  *Pteris vittata*
-  *Fitonia sp.*

Appendix B – Financial Proposal for evaluation

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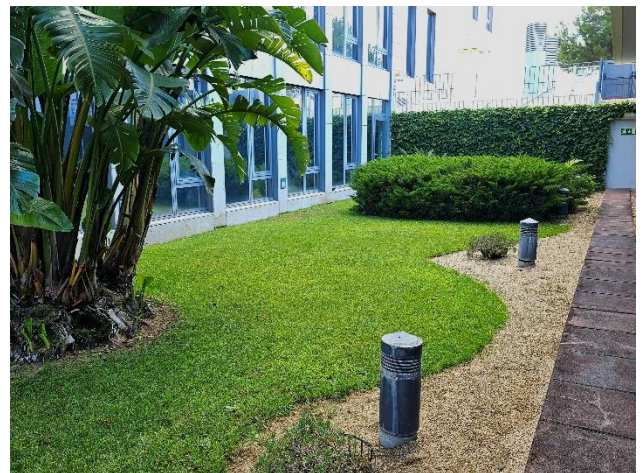
SCENARIO no. 3

Project designing of the alteration of the 'INNER GARDEN' located on the level '-1' next to new 'social area'.

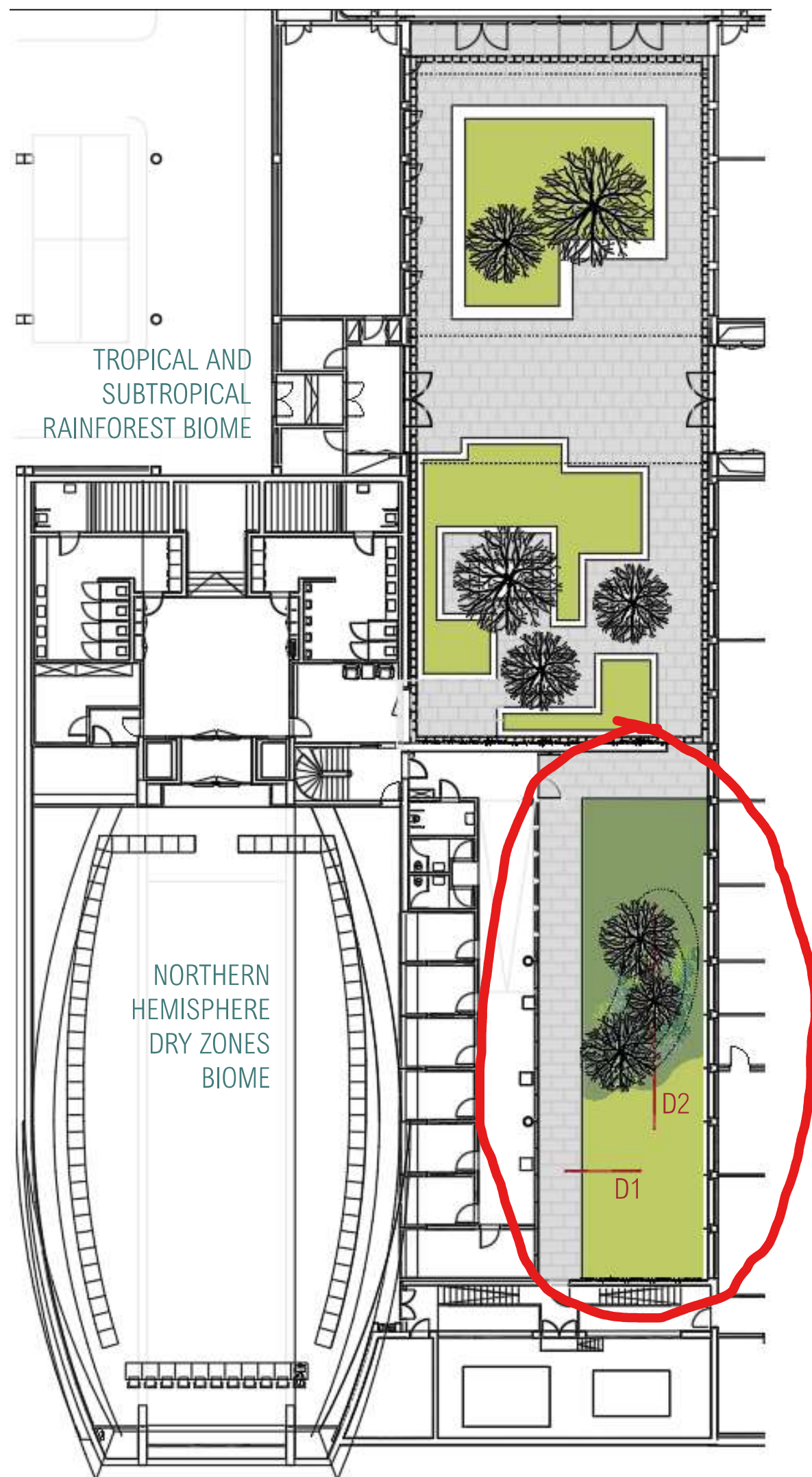
Further details below in Graphical supplement no.3 of Appendix B.

POSITION IN THE PROJECT TEAM		HOURLY RATE (taken from Hour Rate Table of Appendix A)	PLANNED NUMBER OF PERSON-HOURS PER PROJECT	PRICE FOR EVALUATION PURPOSE (hour rate x number of hours)
		1	2	3
A	LANDSCAPE ARCHITECT			
B	ARCHITECT			
C	STRUCTURAL ENGINEER			
D	SANITARY ENGINEER			
E	ELECTRICAL ENGINEER			
F	QUANTITY SURVEYOR			
G	TECHNICIAN			
TOTAL PRICE FOR THE PROJECT OF DESIGNATED AREA no. 3 (for evaluation purpose) A3 + B3 + C3 + D3 + E3 + F3 + G3				

The total price must include all project stages indicated in point 2.2 of the Tender Specifications



5.1 INNER GARDEN



In the inner garden there is a wall dividing two different areas. One is more social and the other is quieter.

The more social area, on the north side of the patio, is the most problematic in terms of reflectivity. It is suggested to build raised beds for sowing lawns.

The existing tree beds will be maintained. Proposed paved areas are the existing, and the stone slabs to be removed under the lawns will be reused.

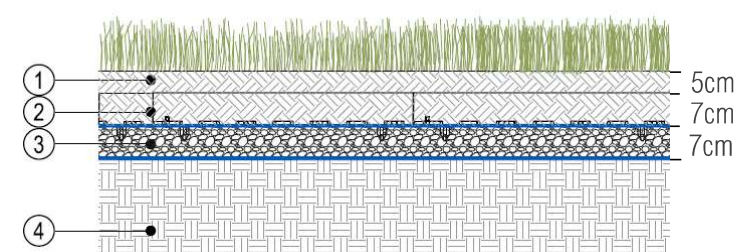
On the north side and normal passageway, the pavement is prevalent over the lawn. In the middle and up to the wall is the opposite, the lawn is the prevalent.

This game pavement-lawn, inert-living, solves the problems of overheating and eyestrain, gives it logic, subliminal but understandable, and creates more private areas (as it is not possible to see all the patio at once).

Here begins the discovery of biome concept. On the north side of the wall there is irrigated lawn. The wall is covered in climbers, refreshing the patio.

On the other side of the wall, a drier biome with terrain modelling to hide views and give privacy to offices.

The emergency exit path shall be enlarged and there will be a paved area to support the gymnasium and canteen.



D1 . construction detail of reinforced lawn for intensive use

1. planting compound
2. lawn grid with filled and planted cavities
3. base of granite gravel wrapped in geotextile
4. well compacted soil

5.1 INNER GARDEN



D2 . hedge between reinforced lawn and dry area

*Armeria pungens**Lavandula angustifolia**Myrtus communis**Arbutus unedo**Pistacia lentiscus**Juniperus horizontalis**Ulex minor*

Appendix B – Financial Proposal for evaluation

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SCENARIO no. 4

Project designing of the alteration of the 'CAFETERIA TERRACE' located on the level '+3' from the riverside.

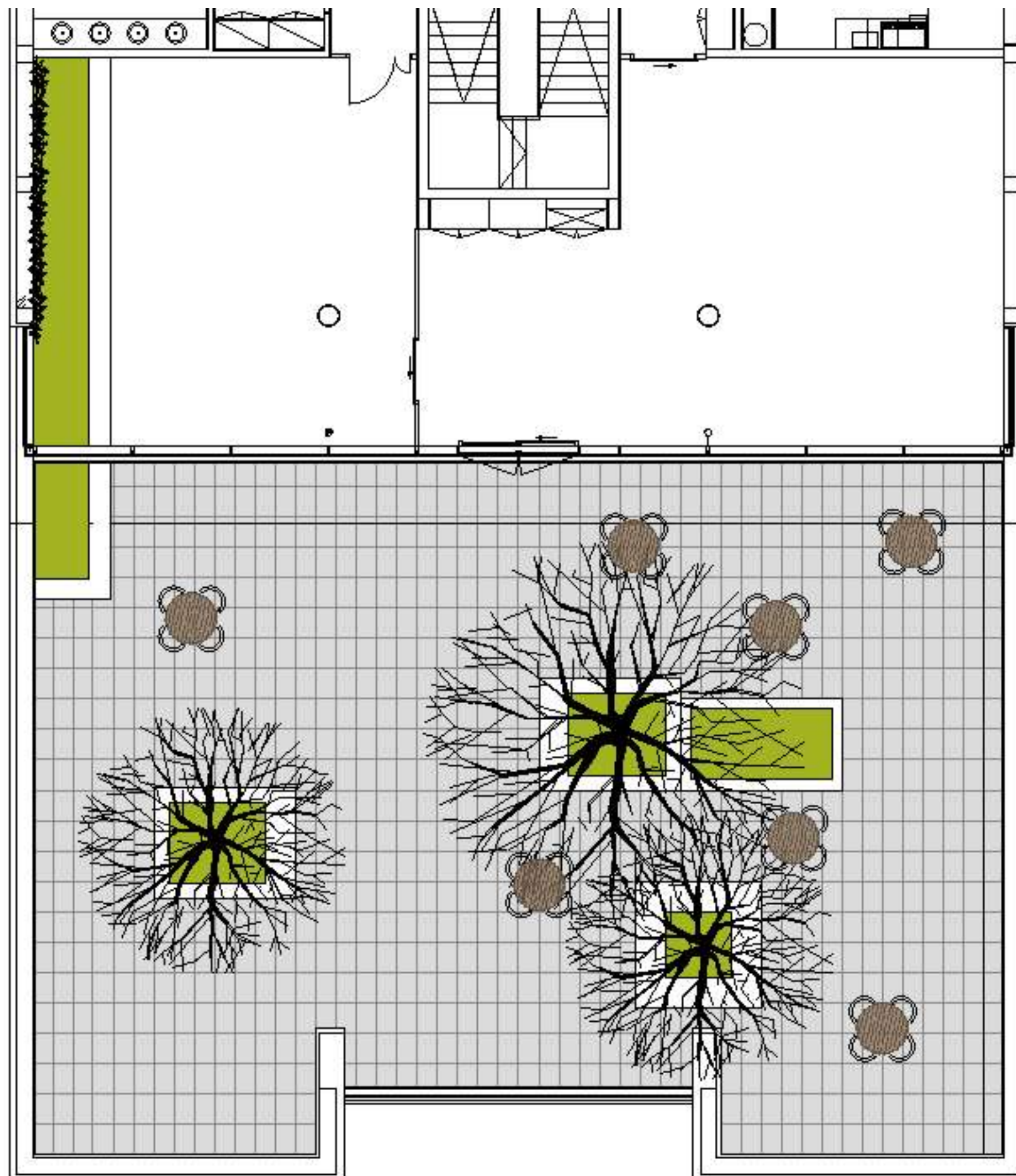
Further details below in Graphical supplement no.4 of Appendix B.

POSITION IN THE PROJECT TEAM		HOURLY RATE (taken from Table no.1 of Appendix A)	PLANNED NUMBER OF MAN- HOURS PER PROJECT	PRICE FOR EVALUATION PURPOSE (hour rate x number of man- hours)
		1	2	3
A	LANDSCAPE ARCHITECT			
B	ARCHITECT			
C	STRUCTURAL ENGINEER			
D	SANITARY ENGINEER			
E	ELECTRICAL ENGINEER			
F	QUANTITY SURVEYOR			
G	TECHNICIAN			
TOTAL PRICE FOR THE PROJECT OF DESIGNATED AREA no. 4 (for evaluation purpose) A3 + B3 + C3 + D3 + E3 + F3 + G3				

The total price must include all project stages indicated in point 2.2 of the Tender Specifications



5.6 CAFETERIA TERRACE



The cafeteria terrace, apart from tables and chairs, should have some containers as the ones described for the Europa square.

In this terrace, it could be possible to seat on the containers.

An immovable, long flowerbed, on the west wall of the terrace, seems to go through the glass doors and continue into the dining room, where it will nurture beautiful climbing vines.



Appendix B – Financial Proposal for evaluation

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SCENARIO no. 5

Project designing of the alteration of the existing flat roof into 'GREEN ROOF' over the translators' facilities, on east side of conference centre building.

Further details below in Graphical supplement no.5 of Appendix B.

POSITION IN THE PROJECT TEAM		HOURLY RATE (taken from Hour Rate Table of Appendix A)	PLANNED NUMBER OF PERSON-HOURS PER PROJECT	PRICE FOR EVALUATION PURPOSE (hour rate x number of hours)
		1	2	3
A	LANDSCAPE ARCHITECT			
B	ARCHITECT			
C	STRUCTURAL ENGINEER			
D	SANITARY ENGINEER			
E	ELECTRICAL ENGINEER			
F	QUANTITY SURVEYOR			
G	TECHNICIAN			
TOTAL PRICE FOR THE PROJECT OF DESIGNATED AREA no. 5 (for evaluation purpose) A3 + B3 + C3 + D3 + E3 + F3 + G3				

The total price must include all project stages indicated in point 2.2 of the Tender Specifications



3.1.1 GREEN ROOF GR

estimated building time
3 months

lifting equipment required

The tool that will have the greatest effect on thermal comfort is the most difficult to implement once the building is constructed – Green Roof.

The green roof implies eventual structure adaptations, but one of its strengths is the size of the covered area.

Climatic changes have exacerbated the problems of buildings' overheating and extreme cooling.

In Portugal, and by the river, a measure like green roof will be extremely successful.

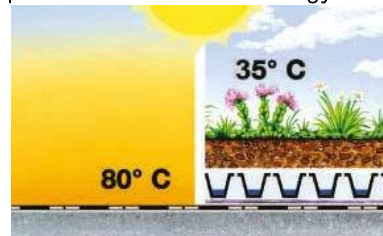
Rooftop insulation by extensive culture is one of the best ways to reduce thermal amplitude inside buildings and it will also achieve soundproofing.

Even when there are solar panels on the rooftop, installing a green roof will improve its efficiency.

Even when there are solar panels on the rooftop, installing a green roof will improve its efficiency.

Photovoltaic panels convert sunlight into electrical energy, but its efficiency decreases 0.5% /°C over 25°C.

A conventional roof easily reaches 80°C, while a green roof reaches no more than 35°C. This marked cooling allows the panels to produce much more energy.



This measure has certification and 20-year warranty.

After establishment of the vegetation, the maintenance is limited to one or two inspections a year. In Portugal there's need of irrigation in the warmer months.



f1

GR
GREEN
ROOF

- ✓ Energy-efficiency improvement
- ✓ Costs and energy saving
- ✓ Impactful impression from the sky