



This is a presentation of a 6'5 ECTs course at the Polytechnic University of Valencia, Spain.

The presentation is based on a program done in a subject called "PROJECTS" in 6° Course (Master Degree)

Author: ANA LLOPIS ALVAREZ

Place and data: 15 May / 2013 - UNIVERSITETET | STAVANGER



MASTER PLAN IN PARQUE DE ALCOSA

URBAN PROGRAM PROPOSED STATEMENT
-Inceptionpg. 1
-Analysis Donepg. 1
-Interventionpg. 1
-Presentationpg. 1
-Situation
-Connections to Valencia city
-Connections to neighbour townspg. 4
-Connections inside the project areapg. 4
-Main routes in the project areapg. 5
-Edification in the projectpg. 5
-Hand-Drawing Analysispg. 6
-S.W.O.Tpg. 7
O4 IDEAS TO DEVELOP -General scale proposal
-Gerieral scale proposalpg. o

(2)	\
05	DETAILED PROPOSAL

-Core 1: C	entral Plaza	pg. 10 -11
G	eneral Plan	pg. 10
s	chematic drawings	pg. 11
U	nerground parking	pg. 11
-COURTY	ARDS	pg. 12 -13
G	General Plan. Section A-A'	pg. 12
s	ection B-B'	pg. 13
-Mediterra	nean Avenue. Boulevard	pg. 14 -17
G	Seneral Plan	pg. 14
s	ection A-A'	pg. 15
s	ections B-B', C-C'	pg. 16
u	Inderground parking	pg. 17
-Core 2: P	rimary School & Sports Area	pg. 18 -24
Ir	ntroduction	pg. 18
R	Reggiana Primary School	pg. 19
K	ey concepts & different areas	pg. 20
P	lan. Organization of the space	pg. 21
Ir	ndoor/Outdoor. Different activities	pg. 22
-	Recommended Construction naterials and systems: detail A	pg. 23
	Recommended Construction naterials and systems: detail B	pg. 24
)6) BIB	LIOGRAPHY	
Bibliogram	aby	pg 25

01 URBAN PROGRAM PROPOSED STATEMENT

The purpose of this study is to identify the problems of Alcosa Park and propose a new master plan for the area. This will be done though a study on the concept of densification. The knowledge found, will be used to develop new types of housing and equipment in order to revive and complement the studied area.

The development should take in to consideration the current economical crises that the area is in. It's of great need to bring quality of life and wellbeing in to this area that currently is struggling with great recessions and social poverty. The project should also include parameters such as Recycle-Reuse-Reduce (3R).

The Alcosa Park is a district that has experienced the declines in many ways. The idea of this proposal is to solve all of these problems, or at least as many as possible, mainly though urban intervention, but also through architectural solutions.

The following will explain the structure of the project.

1 Inception...... How to start?

The first step in carrying out a proposal is to analyze the project area. In this project, we start with some facts and information about the place, leaving us with the idea of where to start the intervention.

Not only will an sociological analysis of the place be required, but also physical analysis will be carried out. It will be necessary to analyze various parameters that make a place work, such as layout of the buildings, their height and their use.

The previous mentioned parameters will also be used for similar analysis of the existing green areas, though identifying the surface and use. Last but not least, there should be an analysis of existing roads, and the communication to and form this district to other surrounding areas, like the city of Valencia. Communication within the project area is also important, and knowledge of the road hierarchy as well as knowledge about one-way driven streets is needed. Traffic flow in busy areas is also of interest, as well as areas that struggle with queuing and those who have less traffic.

Parking will also bee of interest. Questions such as where the parking is located, the current number of spaces available, as well as the approximately needed number of spaces, will be important to answer.

Besides these named parameters, which are the most important and generally will help to begin defining a proposal, sociological factors mentioned above will also be of importance. The needs of the residents in this area will highlight the shortcomings of the place.

2 Analysis done...... What goes after?

When collecting the data form the analysis, the place has been studied thoroughly. For most of the parameters, the best way of collecting the data is through site visits. Once the data is collected, we will differentiate between "good and bad", in those that could be used in diagnosis, as opportunities for action or as detrimental to the program data. So, if we analyze the main parameters (green areas, traffic, construction, use, parking) we draw form these the qualities that we intend to keep in the projects. Therefore some features are kept intact, others are modified and others again eliminated entirely. This second part is the one that give us the option to intervene in a given way.

The intervention phase is the time of the Master Plan, in which we will move form the general way into a particular one.

So far what has been done has been done in a general way, in order to se the shortcomings, the needs and the strengths for the project area as a whole. Once at this point, with analysis's done and knowing where, why and how it can improve the area, it is time to act in the "particular" way.

For this it is needed to understand which goals that need to be treated, how the intervention will be done, and what consequences it will cause in this scale.

The idea of intervening at this level is to design smaller parts of the project area in greater detail. One knows that these smaller impacts will also impact the larger scale; small parts harmonize together, to make this work over again.

4 Presentation...... Final Goal

The intervention in the project area will consist of modification of some existing parts and creating new urban design and architecture in other parts. This will be the final step in the preparation of the Master Plan.

A new solution to the area will be designed and proposed, given form the analysis done in the beginning.

The aim is to have successfully covered all existing needs and solved the shortcomings found in the area. And not only have solved the existing, but the new proposal is expected to accommodate no more conflicts or problems, that can be solved by an urban and architectural solution.



02 PRESENTATION OF THE PROJECT AREA

The project area is located in the South Huerta region of Spain,in the municipality of Alfafar,part of the Valencian Community.

Alfafar is a town of about 10 km². The city mainly consists of flat, fertile agriculture land, where rice production is predominant, due to irrigation. The built up urban space occupies approximately 13% of the total land area, leaving much of the remaining land to be a part of the Albufera Natural Park.

In the municipality of Alfafar is located, including the capital city, the hamlet of El Tremolar, east of the term.

In turn, Alfafar core is divided into two different areas: the oldest part of Alfafar is located near the railway line. The Neighborhood Orba or "El parque de Alcosa" (Alcosa Park), is located southwest of the term, physically wedged between Benetúser terms and Masanasa and urban conurbation with their old towns so much narrower than the historic core Alfafar.

Agriculture, never too developed, has been drastically reduced in recent decades. Currently occupied only 2% of the population in 2003, and devoted solely to rice cultivation (751 ha) and citrus (31 ha).

The sector of industry and construction, occupied 43.5% of the working population in 2003. The industrial sector is predominant in the furniture industry, which over time has evolved from the woodwork, to become the main source of income for the town and much of the entire region of South Huerta. Alfafar, along with other towns in the region, as Sedavi and Benetúser are the ploneers in the design, manufacture and marketing of furniture of all styles. They also focus, though much less economic importance of feeding branches, metal products, non-metallic mineral products, machinery and chemistry.

The service sector is the main economic engine, with 54.4% of the employed. Commercial activity is centered mainly in the vicinity of the V-31 (one of the most important traffic routes that bypasses the city of Valencia), since in 1976 there was installed a hypermarket of almost 21,000 m², which led to the later occurrence and concentration of other businesses, also in the neighboring town Sedavi.

After presenting the Municipality of Alfafar, we focus now on one of the neighborhoods that compose it, is the neighborhood of Orba, also known "Parque de Alcosa".

In this district is where the master plan is focused, due to its characteristics and needs.



Plc 1. Badge of Alfahar



Pic 2. Map of Spain. Allefor situation



Plc 3. Map of the Valencian Community. Allafer altestion

Here is presented some data information about " El parque de Alcosa":

-CURRENT POPULATION: 10.112 people
- Spanish population: 8.090people

-DENSITY: 68 housing / Ha (10.000m²)

-WORKERS: 6.977 people

-UNEMPLOYED: 3.135 people

-HOUSING: 1.700

-Property: 1.503 -On sale: 43 -For rent: 197

-DENSITY OF POPULATION: 40.448 people / km²

-UNEMPLOYMENT RATE: 31%

-UNEDUCATED POPULATION: 19%

-IMMIGRANT POPULATION: 20%

-POPULATION SERVICE SECTOR: 58%

-AREA: 161.103 m²

-Footprint: 39.60% -Parking: 7.10% -Traffic: 14.50%

-Pedestrian Landscaping: 38.80%

-Free surface: 60.40%

It's a very punished and marginalized district. It is a dormitory suburb located 8 km south of the city of Valencia. It is formed from waves of immigrants coming from Andalusia, Castile and Extremadura leaving the countryside. After overcoming many of the shortcomings that characterized these neighborhoods.

The Alcosa park has disturbing sociological indicators: unemployment rates ranging between 30 and 40%, over 70% of the population below the poverty line, and the first position of the region (l'Horta) in people served both in mental health centers for drug addicts. The same applies to truancy and liliteracy rates.

02 PRESENTATION OF THE PROJECT AREA

Presentation describing the place by some images:



Pic 4. Image of "Iglesia Virgen del Dolor". Main church in the town.



Pic 5. Town square perspective



Pic 6. View from a random street in the town



Pic 7. View from a random street in the town



Pic 8. View of the transept of the church



Pic 9. Town hall and central square



Pic 10. View from a random street in the town



Pic 11. View from a random street in the town



Pic 12. View from a random street in the town



Pic 13. View from a random street in the town



Pic 14. View from a random street in the town



Pic 15. View from a random street in the town

03 ANALYSIS OF THE " PARQUE DE ALCOSA"



Pic 16. Connection between the project area and Valencia & Valencia Harbour

Pic.16 shows the different ways of transport: car or bus, and the duration of the course.

It is shown the communication between:

Alfafar - Valencia City Center Alfafar - Valencia's Habour and Alfafar - Albufera.

Even though the course by bus takes longer than car, it exists in every way, giving the possibility to use public transport.

Pictures 17-18 are focused now in the project area, more than the municipality in general, Alfafar.

Pic.17 one shows the closeness between el Parque de Alcosa and different areas surround:

Parque de Alcosa - Alfafar (town center)

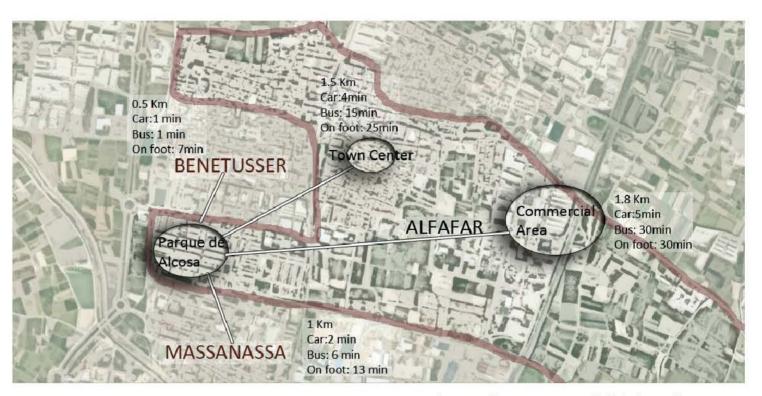
Parque de Alcosa - Commercial Area

Parque de Alcosa - Benetusser.

In all of them are shown the distance between them and the time it takes to go from one place to the other, depending on which way of transport you use.

In this scale is now included the course on foot, as the distances are much shorter.

The picture below (pic.18) shows now the bus route among the project area and the district surrounding it. Also the nearness of the train station and where the train stop is. (the distance and time is masked as well) In different colours it is possible to locate the public equipments and the educational buildings.



Pic.17 Connection between the project area and Alfafar& Neighbour Towns



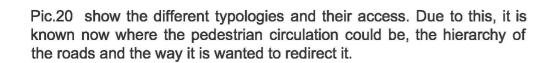
Pic. 18 Connection inside the project area. Main services.

03 ANALYSIS OF THE " PARQUE DE ALCOSA"

Pic.19 shows in a closer scale the main roads of the area. The different access coming from the neighbour towns, or from Valencia City.

It is also marked the bus course, which has two bus stops. The idea is to keep this route but also making the bus coming through the district, as the changes proposed allow the bus to drive through it.

The train way is also shown, so in this scale it is appreciated it is not so far from the district.





Pic.19 Main routes inside the project area: train, bus & car.



Pic.20 Edification at the project area. Different typologies and access to them

03 ANALYSIS OF THE " PARQUE DE ALCOSA"

Here it is shown the first hand-drawing analysis done in the project area.



Traffic

The way and direction of the traffic is marked to show how the movement works.

It is clearly contemplated a rectangular structured net, where the traffic encircles easily the building's net.

Also due to the parallel and perpendicular structure of the buildings, the traffic acquires a simple scheme, prepared to be transformed and adapted to new changes.

Public buildings

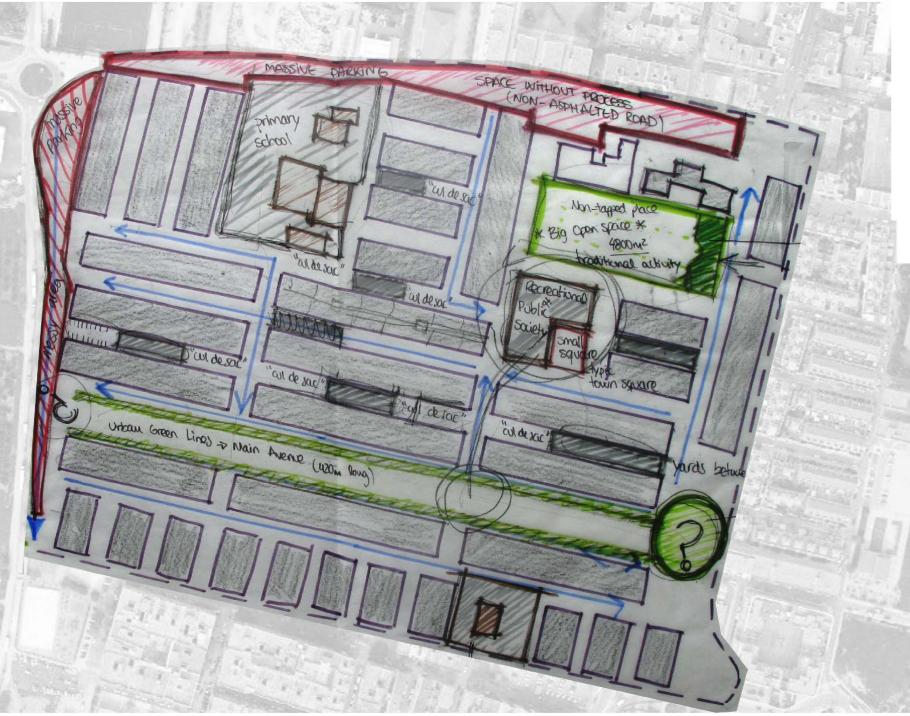
The purpose of marking these buildings is to know how many there are and where they are situated.

Then, we can see in this project there are no so many public buildings:

- -Infant & Primary School
- -Recreational & Public Society
- -KinderGarten

It is simply needed to preserve these public buildings, as they are understood as buildings for the needs of the residents, or the society in general.

In addition, it would be interesting to give them more importance, to lead people to them, or even to complement them with new ones.



Opportunity areas

The fact of marking these spaces is to present the areas we can intervene on.

These areas are different typology: some of them don't need to be opened spaces, they could just be old and restoring buildings.

In this case, this project is full of big areas, which are not well exploited even used.

They take much of the surface at the periphery of the district, just being used as parking lots not structured.

This space must be exploited for many reasons: is within the limits of our project and presents big surface to be used in many different ways.

Existing green areas

They are marked to show a very important part of the project.

Even though there are green areas all over the district, here it is just marked wide spaces which have leafy areas.

Both green parts will be kept as different cores of the area, and they will mean the starting point of the proposal.

It is not expected any change on them, but to integrate the rest of the new ones according to them.

Pic.21 Hand-drawing analysis

S.W.O.T

Strenght

Weakness

- -Traffic net readble: easy structure, parallel and perpendicular
- **-Same building structure**: almost every building follows the same dimensions, orientation and intern & extern structure.

Even more, except the tower on the northeast, the rest of the buildings folloe the same heigh.

- **-Considerable area to act**: due to the huge wasted and disable areas, there are presented many m² to act on.
- **-Opportunities for green & opened areas**: for the same reason than before, big opened spaces will offer space for any proposal to be done.
- **-Intern courtyards**: these semi-private areas are dedicated to the residents of the adjacent buildings, offering them a private space into the public one.

- -Massive parking areas (messy): there are many big, opened spaces just dedicated to parking lots. These are not structured at all, so the aesthetics given are not the best at all.
- -Inappropriate aesthetic (Buildings): the external image formed by the facades of the buildings, does not represent a well maintained and preserved aesthetics.
- -Not equipments at all: there is a huge lack of equipments in this area. There is need of service buildings dedicated to the residents of the district.
- -Existing equipments (old): the ones that exist need a reform or rehabilitation, for a proper self-image and as a overall.
- **-Lots of urban green areas:** even though it is necessary and satisfactory the existence of this, it is requested more leafy areas.

Opportunities

Threatens

- -Huge area free to act: due to the big dimensions.
- -Some green & opened spaces: this is also one of the starting points for the proposal. It is necessary in any project the existence of these green areas. They will connect different parts of the project as well as offer third places for the residents of the district, and the society in general.
- **-Wide traffic net-easy redesign:** in case new traffic structure is proposed, the simple existing one will allow easily changes.
- **-Wide rang of society needs:** it is demanded different needs by different kind of population:different country, different ages, different interests. It is important to try the best and solve each of them.

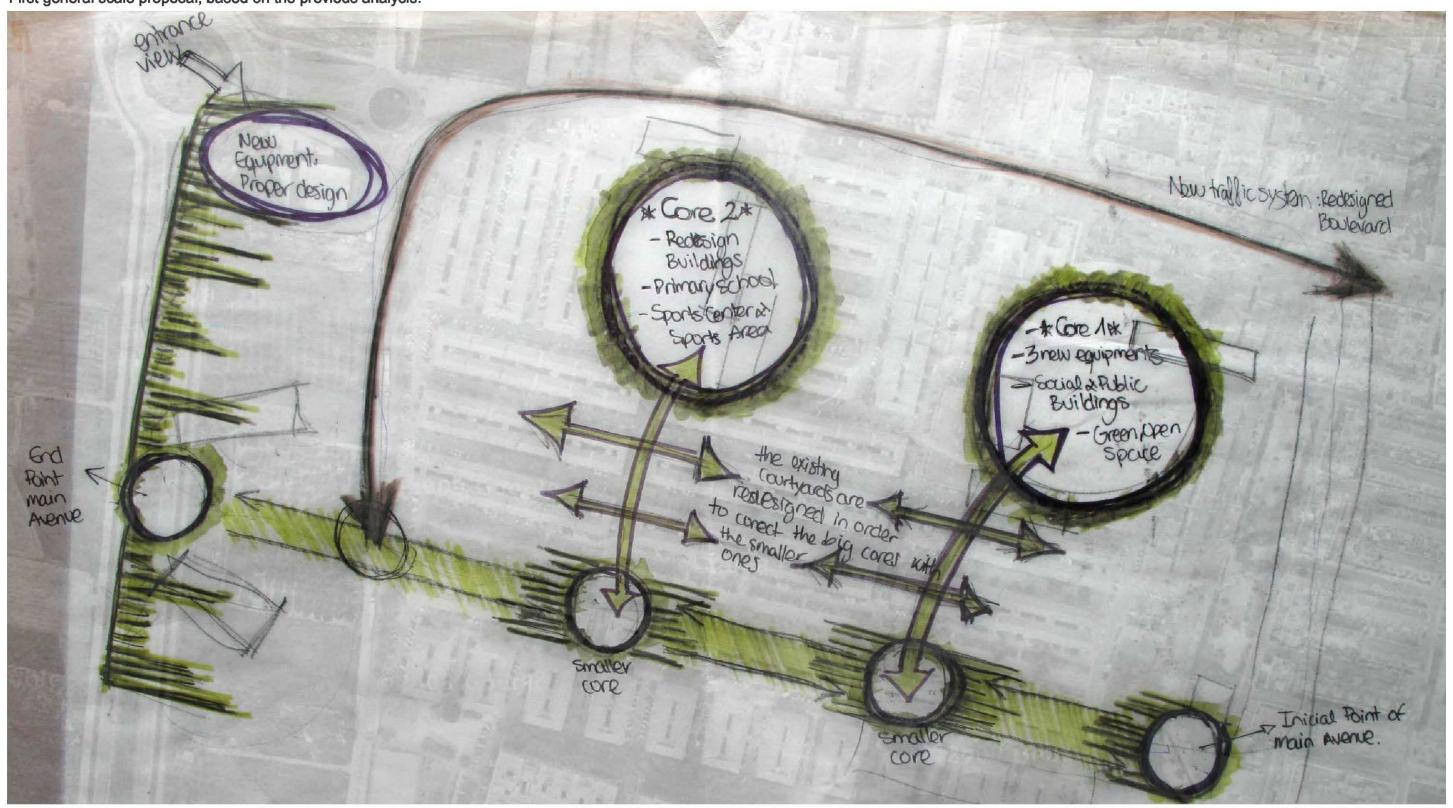
- Non-integration of new parts: the idea of an intervention proposal in an existing place, presents always a threatens attending to the inclusion of the new parts proposed.

It is necessary to give them the same pattern as the rest of the district is using, so it would fit in it as any other.

- Close & excluded future areas: related to the previous exposure, the intention of the new proposed areas is to create them as similar architecturally as possible.
- It does not mean the same materiality, shape, or heigh, but there are always connectors, something common that shows you are in the same area.



First general scale proposal, based on the previous analysis.



IDEAS TO DEVELOP

Two cores will be the starting point of the proposal. Each one has different character, with different activities to offer. These cores will be connected to the Mediterranean Avenue, which is the other important point of this proposal. The way to connect them will be by two different ways, each one from each core. The way used to unify both parts, will be the existing courtyards situated between the buildings.

Pic.22 Hand- drawing proposal

It is necessary to create the same pattern all over the area, to show there is a continuity within it. The existing

green areas will be kept as they are, but some changes will be adapted to make them better.

Apart from the cores and the green areas, the parking lots and the underground parking will be also an important part of this project. As it is an existing problem nowadays, there must be different ways to solve the problem but being addapted to the new structure.



General plan. 1:1500 () N



- CORE 1: CENTRAL PLAZA

Nowadays this square is the core of "Parque de Alcosa".

Wide, easy geometry, big dimensions and without any element interrupmting its visual, this area is used any time of the day.

This easy geometry, the rectangular base and the large area, make this area appropriate to be designed for daily use, continuous profit, for everyone, for all activities at any time of the day and in any season.

- CORE 2: PRIMARY SCHOOL & SPORT **AREA**

The second core is nowadays a primary school. The idea is to keep the use of it, but redesign it, as the aesthetics do not give the expected external image.

Apart from this change, it will be added some more uses, which will create the sports area.

With this idea I try to complement a space with some new activities that will contribute to the participation of activites now forgotten.

-NEXUS BETWEEN CORE AND AVENUE

The nexus designed for the connection are the courtyards situated between the buildings. These courtyards exist nowadays, but the current condition, the image and use, are not much less adequated. Moreover some of them are used as parking area which does not give the image of public space done for the people living there.

- MEDITERRANEAN AVENUE

Today is a very busy avenue two-way divided by a pedestrian area. It is pretended to keep the main goal of it, but with some changes to increase the third spaces.



05) DETAILED PROPOSAL, CENTRAL PLAZA

- CORE 1: CENTRAL PLAZA

Nowadays this square is the core of "Parque de Alcosa".

Wide, easy geometry, big dimensions and without any element interrupmting its visual, this area is used any time of the day.

This easy geometry, the rectangular base and the large area, make this place appropriate to be designed for daily use, continuous profit, for everyone, for all activities at any time of the day and in any season.

The main quality it has and which is remaining, is the "open space" that has in itself, so all that is implanted is an element that breaks with the geometry of the neighborhood: a half moon concret element.

This "half moon" will be seen as the square icon, but also as an element to collect all that open space that invites you out.

Also structurally will contain a water sheet to be used in warm periods of the year, as a fountain and recreational element.

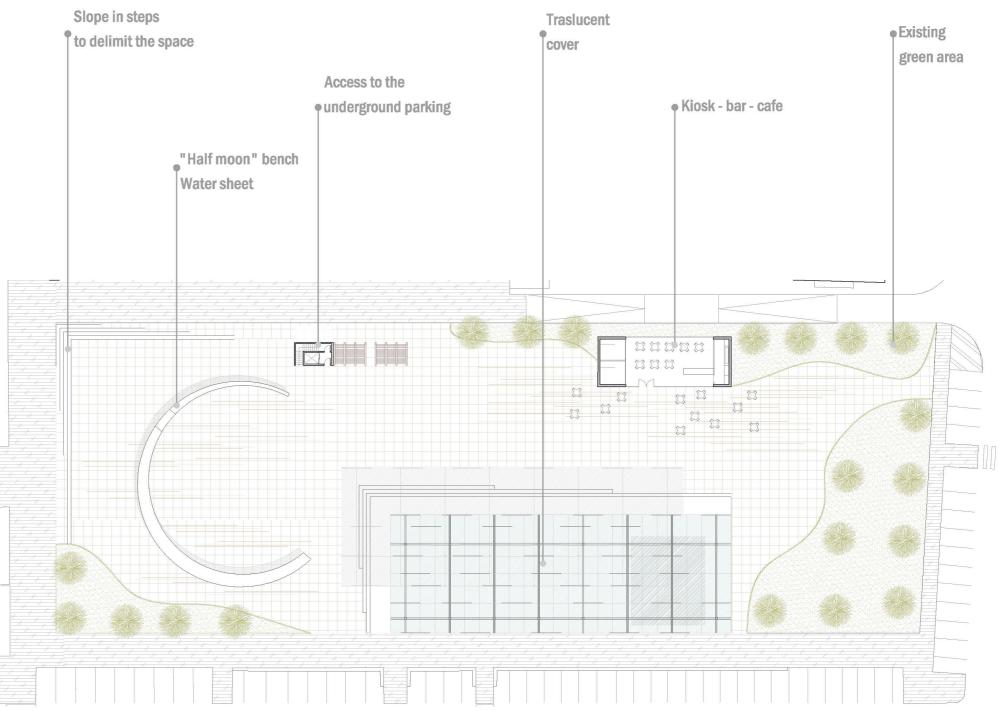
There are proposed different equipments, as kiosks and cafes, for producing activities and interaction in the plaza.

A translucent cover with simple structure will be responsible to indicate the greatness of the site, and the importance of it, as well as producing shadow to the area.

Pic. 23 - 24 Images of a multifunctional square. Idea of cover based on this one.

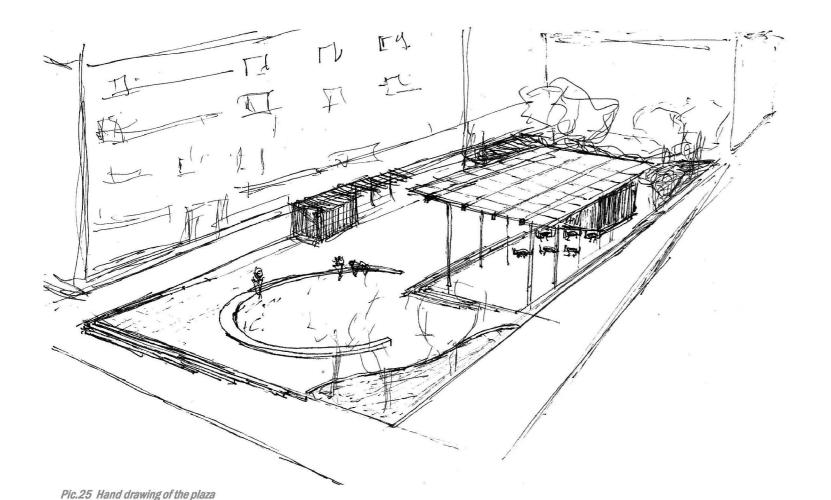








05 DETAILED PROPOSAL, CENTRAL PLAZA



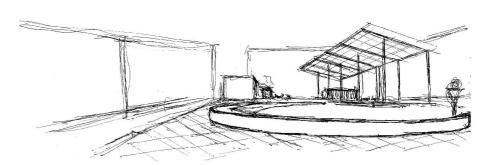
This underground parking, together with the one proposed underground the boulevard, will try to be a solution for the massive parking spaces seen in the district.

In this case, the sourroundings of the square were full of parking spaces, so the idea is to keep the same number but adding some more.

The access to the parking is from the north of the same. For pedestrians there are two boxes, situated 50m far from each other, as a maximum distance, where you can access.

Data about the number of parking spaces:

- 2 external boxes as access to the parking
- -4 disable parking spaces
- -120 parking spaces for cars
- -22 parking spaces for motorbikes

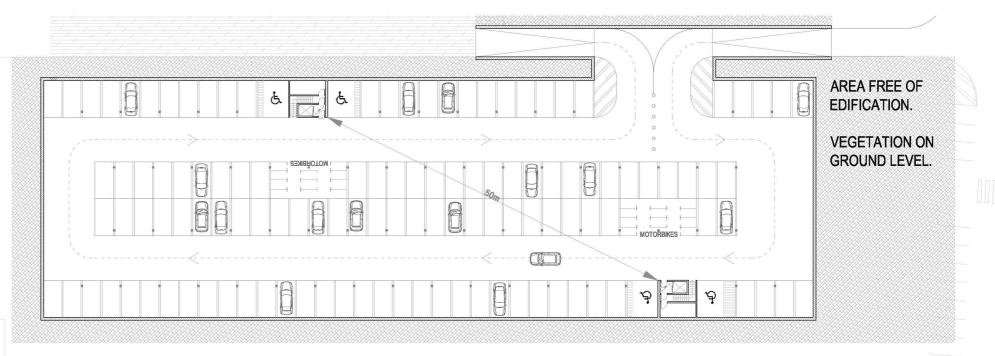


Pic.26 Hand drawing of the Plaza

Knowing the activities that take place in this square, they will be kept, but leaving their activity may also propose new ones, such as concerts or summer cinema, very popular in this area.

As tried to show on the pic.25, the idea is to keep the same surface as it has nowadays, but including some new changes in order to make this area interesting.

Due to the central location of the square, was necessary to create new parking spaces, so this square has an underground parking, access to it from its surface.



05 DETAILED PROPOSAL, COURTYARDS

- NEXUS BETWEEN CORES AND AVENUE

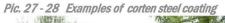
Since this area is in a rather narrow zone between buildings, is designated as a private space for the residents. For these courtyards it is proposed a green area with the possibility of cultivation by the residents, and a specific structural elements, which material is corten steel, to be used as elements of rest and shadow.

These elements are repeated throughout the street, creating a sequence that connects all the space. It is a pedestrian zone aimed at those who live in adjacent buildings. This will diffrence the three situations you could find: public spaces, which are desgined for everyone, the private ones, or the semi-privat. These spaces would be part of the last one, as they are created for the residents although is an opened space available to everyone being there.

The existing parking is solved with the creation of a new underground parking located in the parallel avenue.

There are some concepts on this intervention to highlight:

-There are existing electricity sheds that break with the aesthetics proposed. For this reason, they will be kept as they are, but covered by corten steel slats to unify the rest of the elements on the courtyards.











05 DETAILED PROPOSAL, COURTYARDS

- There are proposed some structures to provide light / shadow, depending on the interest or day time. These elements will be constructed with the same materiality as the cover on the main square, so it will mean a continuity on the project.

The elements will use corten steel and metal mesh, corten steel also related with the previous element explained before. The metal mesh is used not to interrump the sunlight as well as a proposal to flowers awning. The residents themselves could be even the ones creating these, so there is also a way to involve people with the environment of their place.

Pic. 29 - 30 Examples of corten steel structures: shadow, flowers awning.

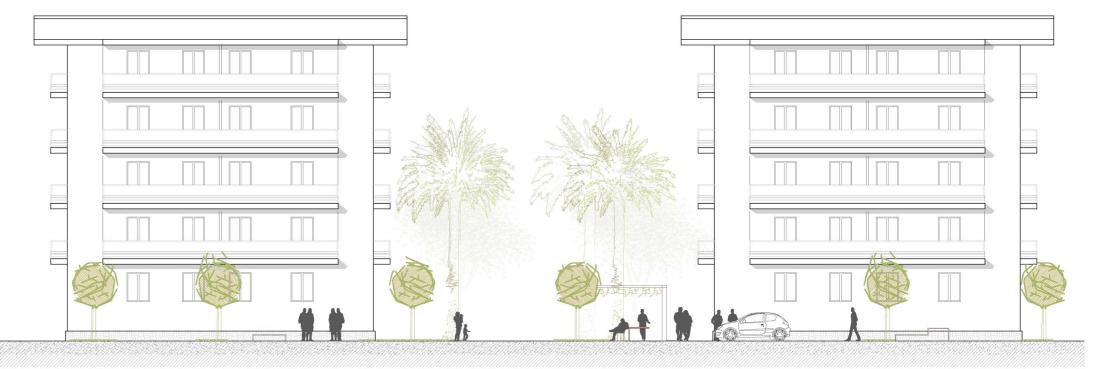


- These open spaces are used for several activities during the year, and the idea is to keep this area opened as it is nowadays in order to continue with the traditional activities.
- One of the most famous ones that happens here, it is called "Fallas." It is very important to offer them the same space than before, to be able to keep this as a tradition but why not improving it in relation to those activities.
- As it is supposed to give in this area more social activity, there are designed some outdoor furniture, constructed also with the same material than the rest of the elements (corten steel). This furniture will be composed by large "tables", horizontal slats, supported by a vertical simple structure complemented by large benches done by the same materiality. It will mean then spaces for sitting, resting, namely, third spaces in between buildings that will make possible some activities as eating some snacks with the neighbours or friends, meeting during summer night, or simply resting outside home.
- The courtyards present a lineal geometry, with a prolonged visual that should not be interrumpted with any closed element. That is also why all the outdoor furniture proposed is not closed at all, so it is kept the idea of the narrow semi-private area designed for the residents living there.

Specific activities are not desired in this space, since it is usual to have unwanted acts when space permits.

More over, the main avenue is situated parallel to this one, and is there where are expected almost all the new activities and the social interaction. The courtyards are just a trail in between the cores and the avenue, it is not expected to adquire any importance rather than an access for the residents living in the adjacent buildings and a semi-private area for them.







-Mediterranean Avenue: Boulevard

The third intervention takes place in the existing Mediterranean Avenue.

Today is a very busy Avenue two-way divided by a wide pedestrian area with vegetation on both sides.

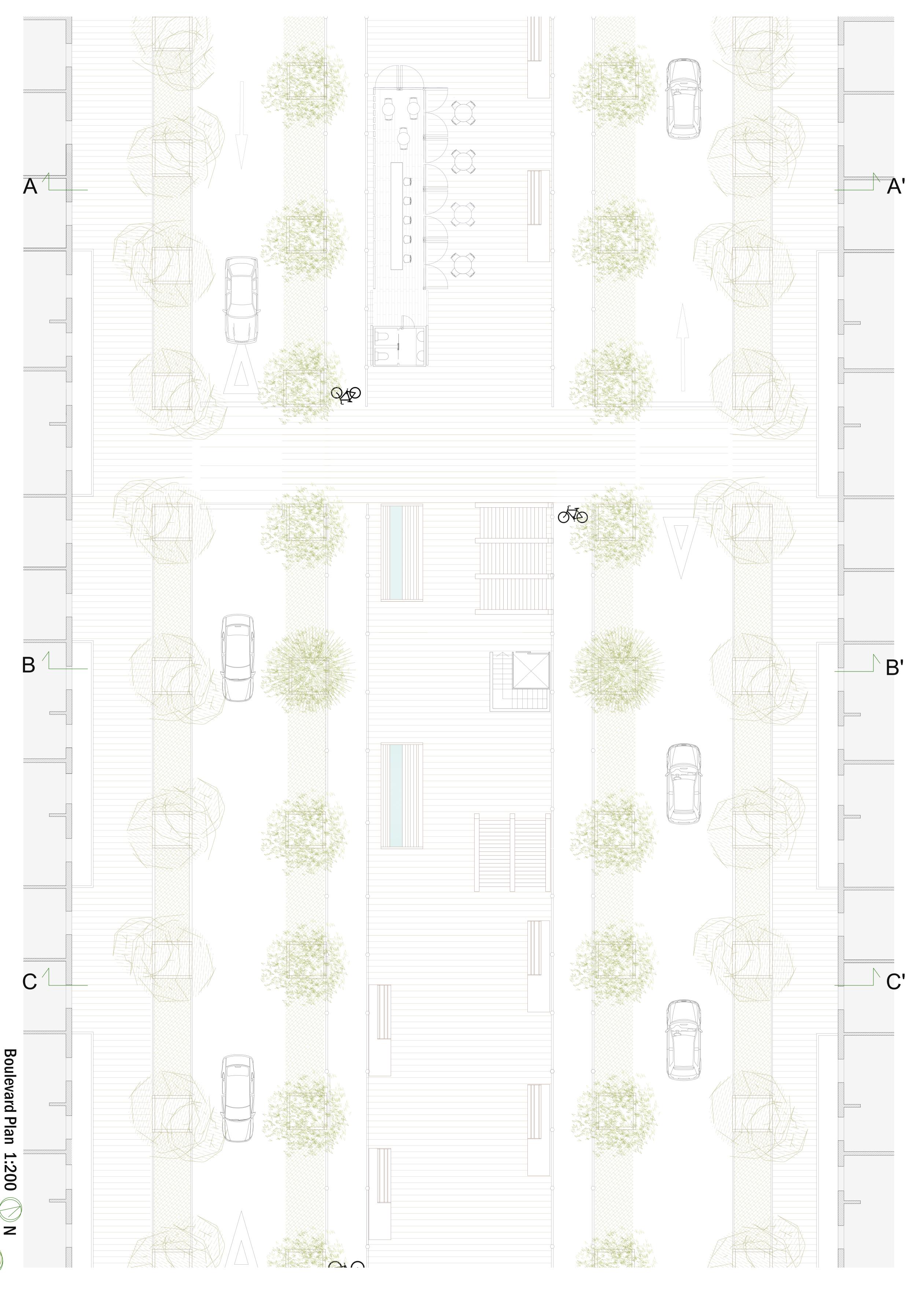
much It is pretended to keep the main goal of the Avenue, since it is observed is space, but it is side the work area. cars and pedestrian have Avenue, as very crowded more it crosses importance going place from to where their own be given Ö side both this

dividing traffic character, because the main one. The both new proposal will keep the traffic area, L.
have **≦** directions in this a secondary the pedestrian is and the case, center

Therefore it has been involved in this dividing, giving a distinct character, use and dialogue with the rest of the neighborhood.

Equipments are proposed along the avenue, such as kiosks or cafes. There will be also different elements such as water fountains and benches, which will allow recreational and rest areas for residents.

repeated continuation courtyards, vegetation, <u>\{</u> be $\boldsymbol{\omega}$ elements where SO Of shady that the project area from also spread full find the <u>of</u>

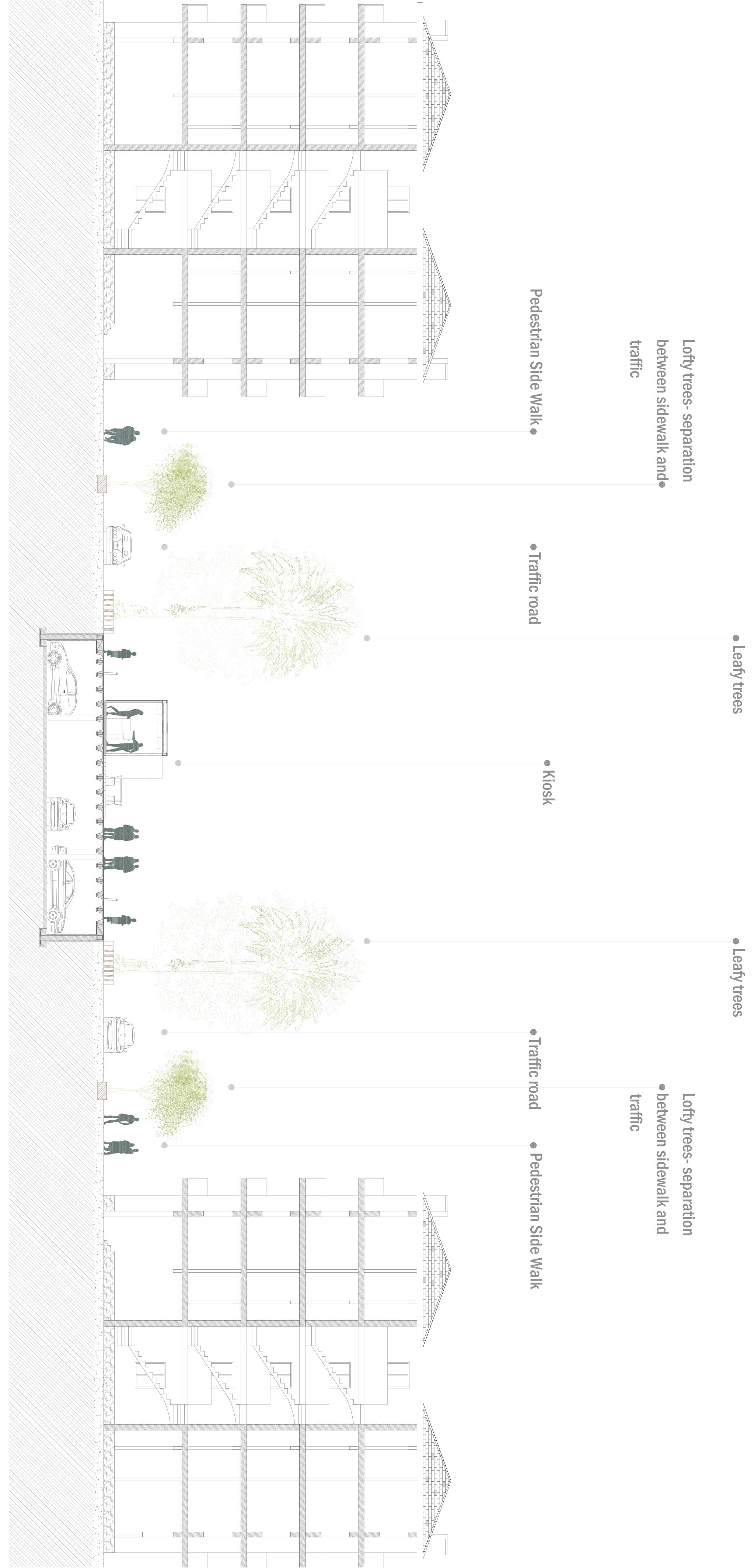


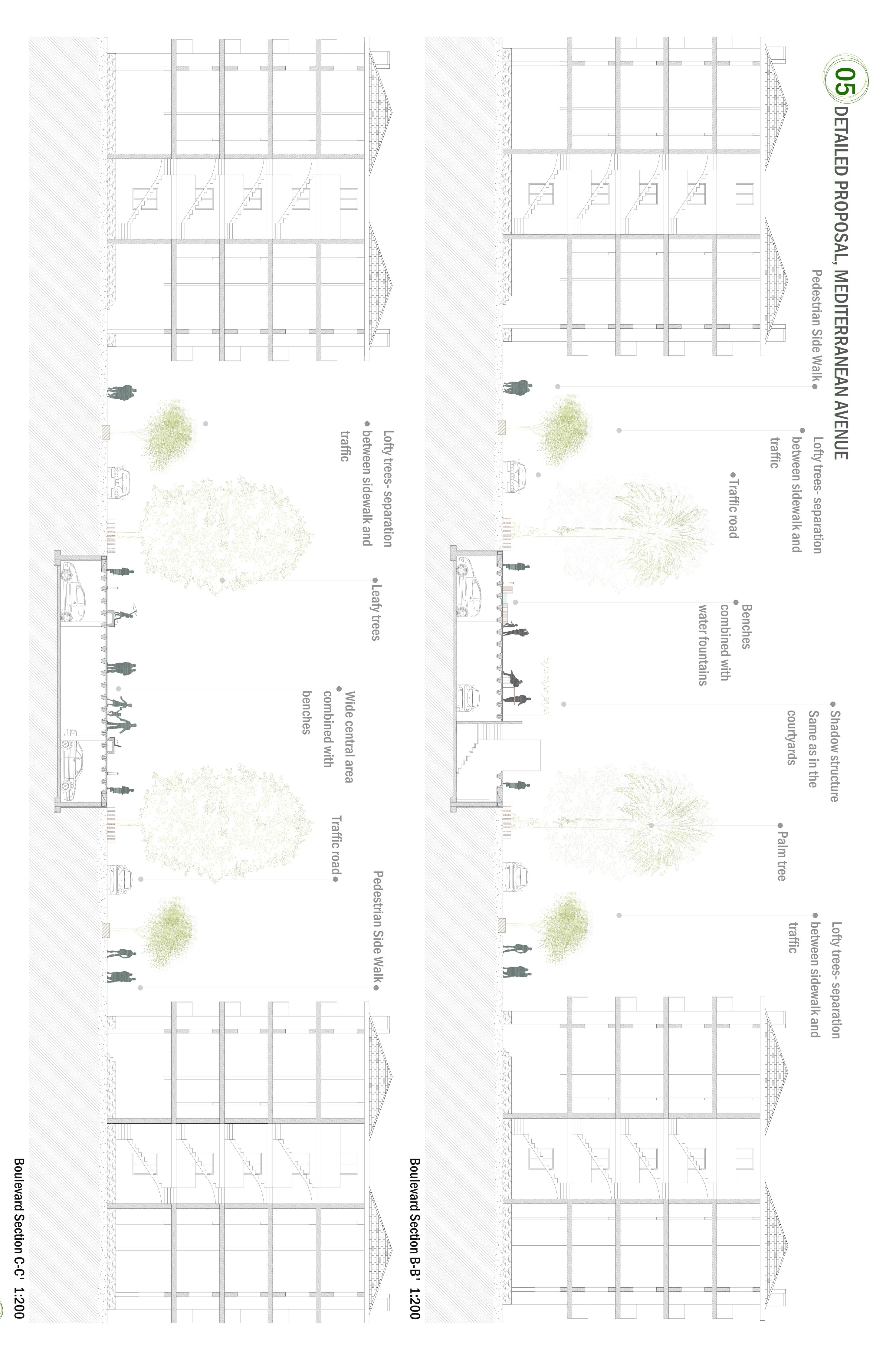


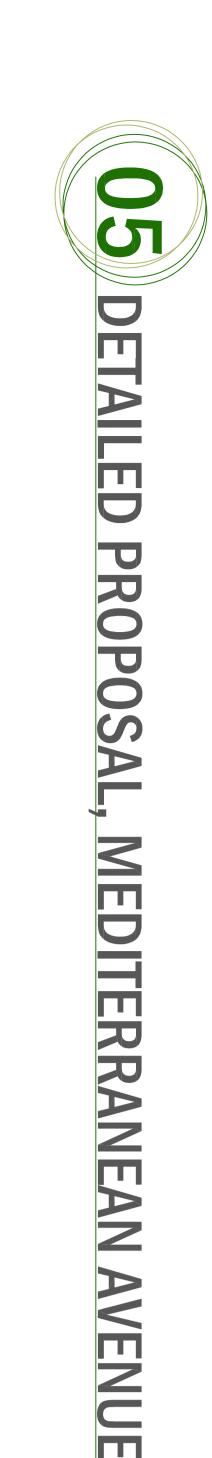
The proposed section of the Avenue has a Zone-30 for sidewalk and road traffic, giving priority to pedestrians.

Also a bike path in both directions, protected by a green urban line. A dividing repeated with various elements along the same, and ass and assuming a sequence.

boulevard. Each party Less lofty trees for sidewalk and traffic <u>≦</u> always separated by vegetation, separation and leafy trees along the which will vary depending on the avenue to create intention. Palm shade. parking found along







from the parking places, Throughout the west side entire was <u>of</u> necessary Avenue, Ħ. Since there to currently preserve <u>s</u>. an the underground parking with access he Avenue has a high number of them, and if possible, add some

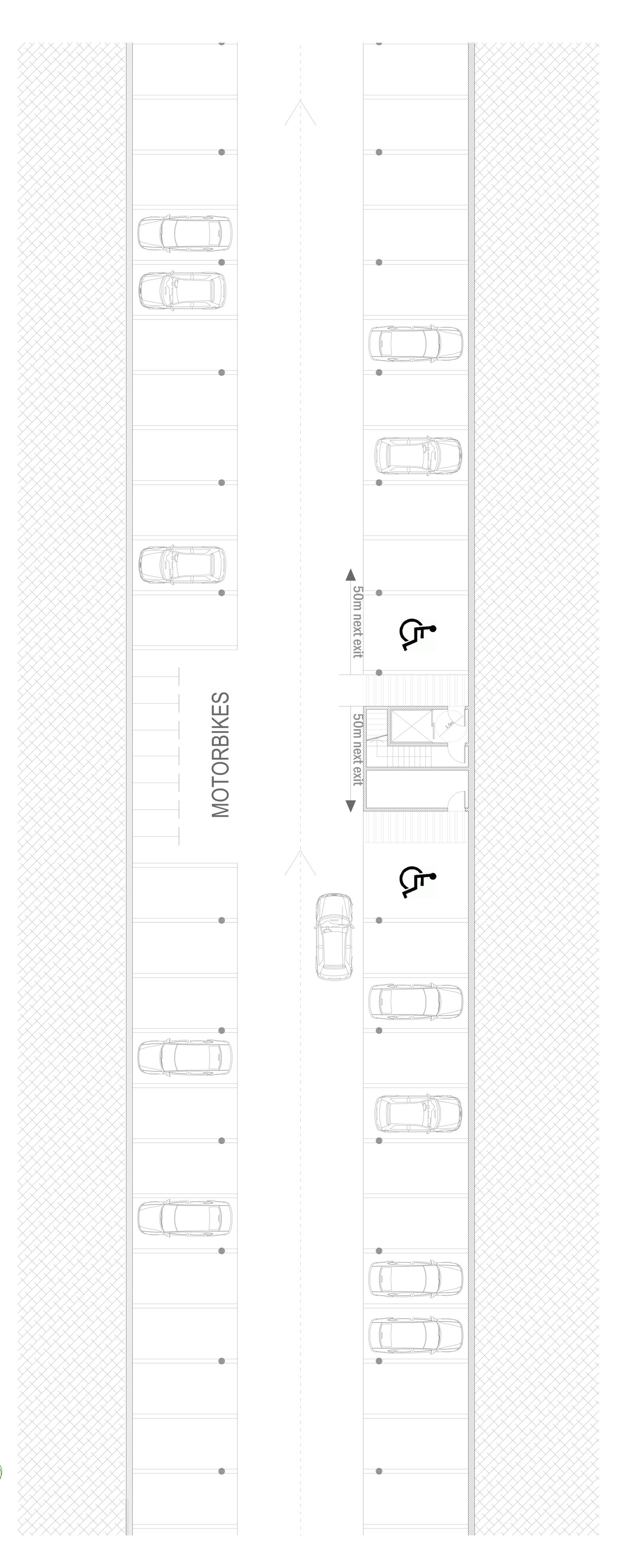
So the underground parking is implanted through a forced ventilation from the inside helped with open ventilation from outside, in decisive points. maximum distance, which are found on the Access to the garage is given by communication boxes arranged every 50m,

surface.

Here underground parking is established: S the data about the numer of parking spaces,

- 3 E 6 C -143 24 F

 - Disabled parking spaces Parking Spaces for cars Parking
- Parking for motorbikes



Undergrou und Parking 1:200



Core 2: Primary School and Sport Area

This stopped in a greater way, for a particular study. proposal will be point we come to one explained of the strongest proposals more detail, since of **=** the has program. architectural features, where

supposed to think about the spaces The primary school as educator (Loris a learning environment designed, Malaguzzi) and materials as the third

Architecture and early childhood

in that period. development. Early childhood individual history is Few years are SO critical evoke and few the nec ationships essary basis as for the balance influential as those and occurring personal

design and implementation of both the experience and the place in which they occur. community the educational made qu concepts of families, considered architectural designs teachers ideas and like children", should also respond. "the child-centered "autonomy and Few things influence learning", creativity" "learning

early childhood are strategic in the future of the Education is a political and social dimension. a solidarity of the whole school community so well as an So the community. quality of the spaces of educational dimension education services for

These architectural project to house an educational center materials come to fill the current void of references for the first three Who faces years of life. precise drafting of an

provided Consider the issues and what are the as requirements and conditions of a primary the writing and education project: needs of its users. what goals we school requires set, what service should be opening practically the

changing tables. location of And the answers the center involve and its positions role as
 Image: Control of the many CIVIC space dimensions: as concrete from general as other locations issues such <u>o</u> as diaper the



1. INTRODUCTION

1.1 The children with their rights as a citizen and their education

humanization processes. Everything is done at birth and yet the essentials and is structured at three years. Humans are not only educable since they were born but we need Structured care processes and attachment links from where you can access culturally to be taught from the first

are psychic abilities are being created and developed through educational processes. the evolution of the early years of life can not be considered creation and development of basic structures of the human only as learning acquisition but human psyche. Structures and psyche.

Three language ability to love and be loved, the ability to link to a community. subject. wrapped in these ages. But if not ill have the opportunity years before exists and establishing communication skills acquires the ability to understand and to be the subject of affect, not the produce. Who does not live language: Also the small finds acquired Sick affection psychic that

understand, to do so under their experiments and to test explanations, the ask. Ultimately it enables them to build a relationship with the world smarter. No one doubts that if this did not start within three years will be difficult training has only one name. This includes the nursery should be an environment to support it. And it also now that acquires environment, the ability to ask and the ability to

the conditions to ensure greater equality of opportunity. training has only one name: education. Therefore education in the first years of life is one difficult to get it later. This <u>of</u>

Primary children and their own orientation to the difficulties they encounter. schools are already an essential service for second families for the education of their

the the welfare of its members but also has implications for the "The education of children is a joint mission of the whole community ... hence the school has not only an educational dimension and technical but also political and cultural" and therefore quality of spaces of education services for the first childhood are key strategy not only for future of the community.

The play of children as a necessity

game child. We know that children play not only because they love but also because they need to. The not a type <u>o</u>f activity performed by the children, **=** <u>S</u>. the basic way of acting of

They play because they want to but they play also an internal motivation that pushes them to rehearse actions and interpretations of himself and his environment. rehearse actions

live and especially to discover that there are other ways of thinking and feeling. The game is for them a life other lives, pretend to be experience others without ceasing that enables them to transform, create other worlds, Ó be themselves, think like the others



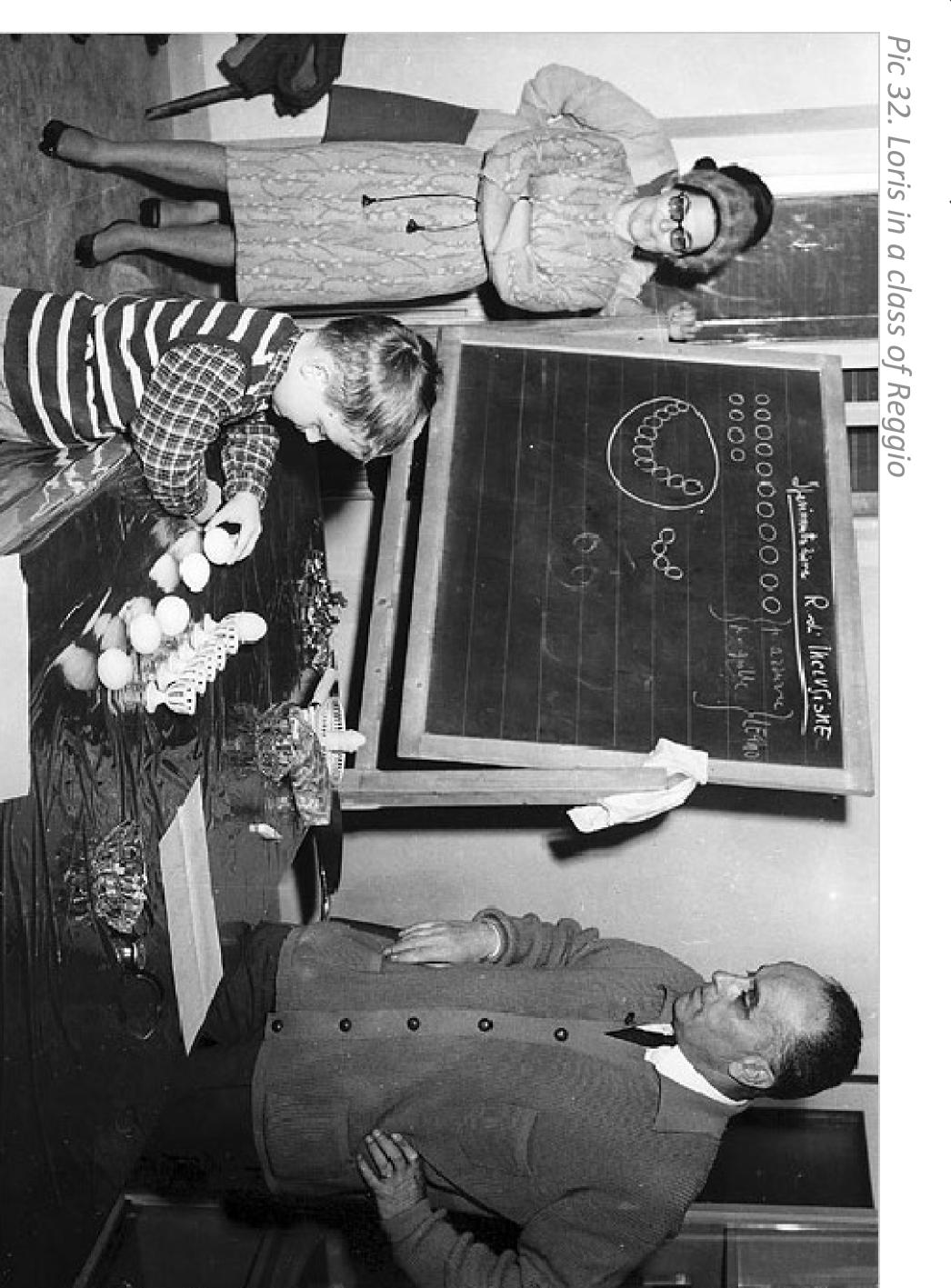
05 DETAILED PROPOSAL, PRIMARY SCHOOL & SPORT AREA

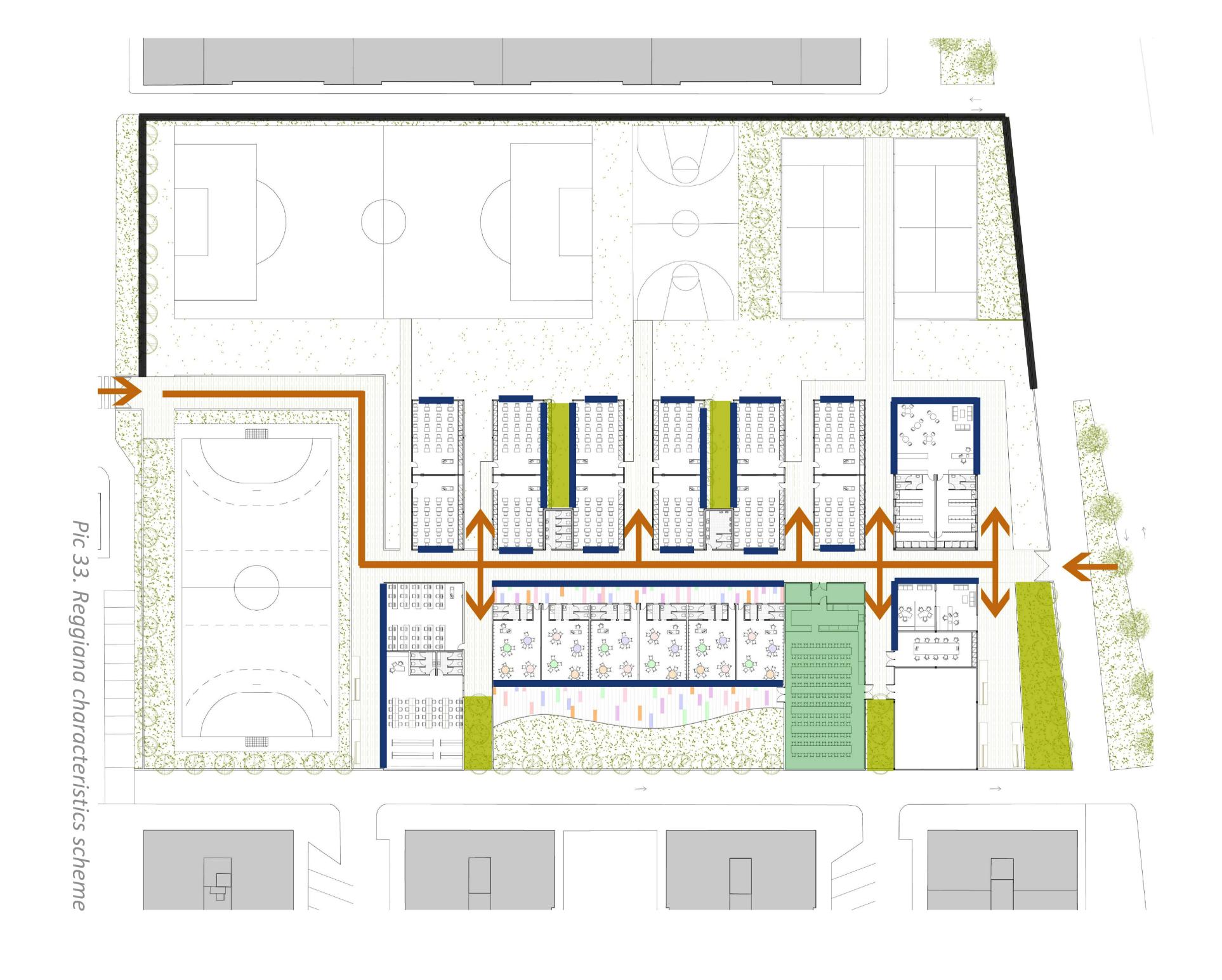
2. REGGIANA PRIMARY SCHOOL

in this Loris Malaguzzi as first stage. **%**e talk one about <u>o</u>f children's the leaders schools <u>of</u> transformation and achievement of quality recognition time 9 another arises Reggio Emilia

when he proposed spoke <u>of</u> some kindergartens characteristics spaces peculiar and to education centers for early childhood: materials identified as the third educator

- Must be governed by transparency so that large windows allow children to observe what happens around the center.
- Malaguzzi wanted the buildings have a unitary structure, family and welcoming to allow children to explore all remaining spaces oriented and facilitating a global perception of the whole. The dimensions of the center have to let everyone know.
- Small schools foster informal relationships, facilitate operational flexibility **prevent** anonymity and invite the **participation** of the entire school community.
- Malaguzzi always spoke of the necessary connection between "inside" and "outside" spaces, classrooms and playgrounds as well as easy connection and visibility of what is happening within the school and its social and cultural environment.
- Stresses the necessary **conception of spaces** and environments in a way that promotes **emotional security** in a climate of calm and serenity, where noises are avoided, it is possible the meeting in small groups, in pairs or isolation when the child needs it.
- children, peculiarity school and ∃. addition ⊒. in relation to which the reggiana school is to providing an there importan the are kitchen which occupies an important role activities and integrated into the recognition of non-teaching staff daily lives such <u>of</u>





Transparency: large windows on the facades of the different buildings

Easy orientation. Facility of perception.

Conception of the space

Remote spaces

Kitchen

19

05 DETAILED PROPOSAL, PRIMARY SCHOOL & SPORT AREA

3. Key concepts in the design of the spaces and environments

Reggio Emilia and Loris Malaguzzi propose some key concepts in the design of the spaces and service environments for early childhood:

A-Flexibility

The design of architectural spaces serving early childhood groups involve one characteristic: flexibility, easy processing by rapid continuous change of its people and the richness and plurality of educational concepts in continuous improvement, innovation and transformation.

B-Osmosis

Osmosis school with the city. The school can not be an isolated context but permeable and transparent.

An integrated school in the territory, inserted in its context and culture as cultural and social level in the area where it is located.

educational coherence. school serves spaces. the The cultural permeability and other of areas the of the city and the neighborhood to "inside-out" facilitates social cohesi city cohesion and

C-Habitability

There is talk of a school friendly and livable. A friendly school is a place that everyone children, staff and families - we are known by name.

Therefore it is necessary that schools are small.

A school is able to accommodate small and larger

providing a sense of security and wellbeing. A school understood as a comfortable and aesthetic sensibility aroused.

D-Relational

Spaces are needed for small and large groups, for trade with other groups to the relationship between children and adults, family and school.

are educational without hierarchical divisions, from the Another equally quality in the project is the educational spaces and search space of hond that everything kitchen to the bathroom. of horizontal space, understanding that that happens at school should be

E-Changes

The school understood as a dynamic and changing and becomes coupled to the needs of the group.

F-Other

The inside-outside, easy access, orientation, the surrounding buildings and their shadows, as both the courtyard and classrooms should have sunshine most of the day.

4. Different areas



84. Areas scheme

	School Library	Sport Area	Kitchen	Computer Room	Changing rooms and toilets	Infant School classes	Primary School classes Administration and Management
Total							
5.562 m ²	147 m ²	3.489 m ²	274 m ²	99 m²	248 m ²	333 m ²	846 m ² 126 m ²

20

DETAILED PROPOSAL, PRIMARY SC

Plan. Organization of the

space

Basic requirements:

>

Restroom

- Surface recommended: 5 m².
- Natural or forced ventilation.
- 0.80 m minimum clear step width of The door shall have a

Management

-Recommended Surface: 15 m^2 .

Basic requirements:

- -Lighting and natural ventilation.
 -Forecast telephone line.
- -Fixed Equipment

Educators

Basic requirements:

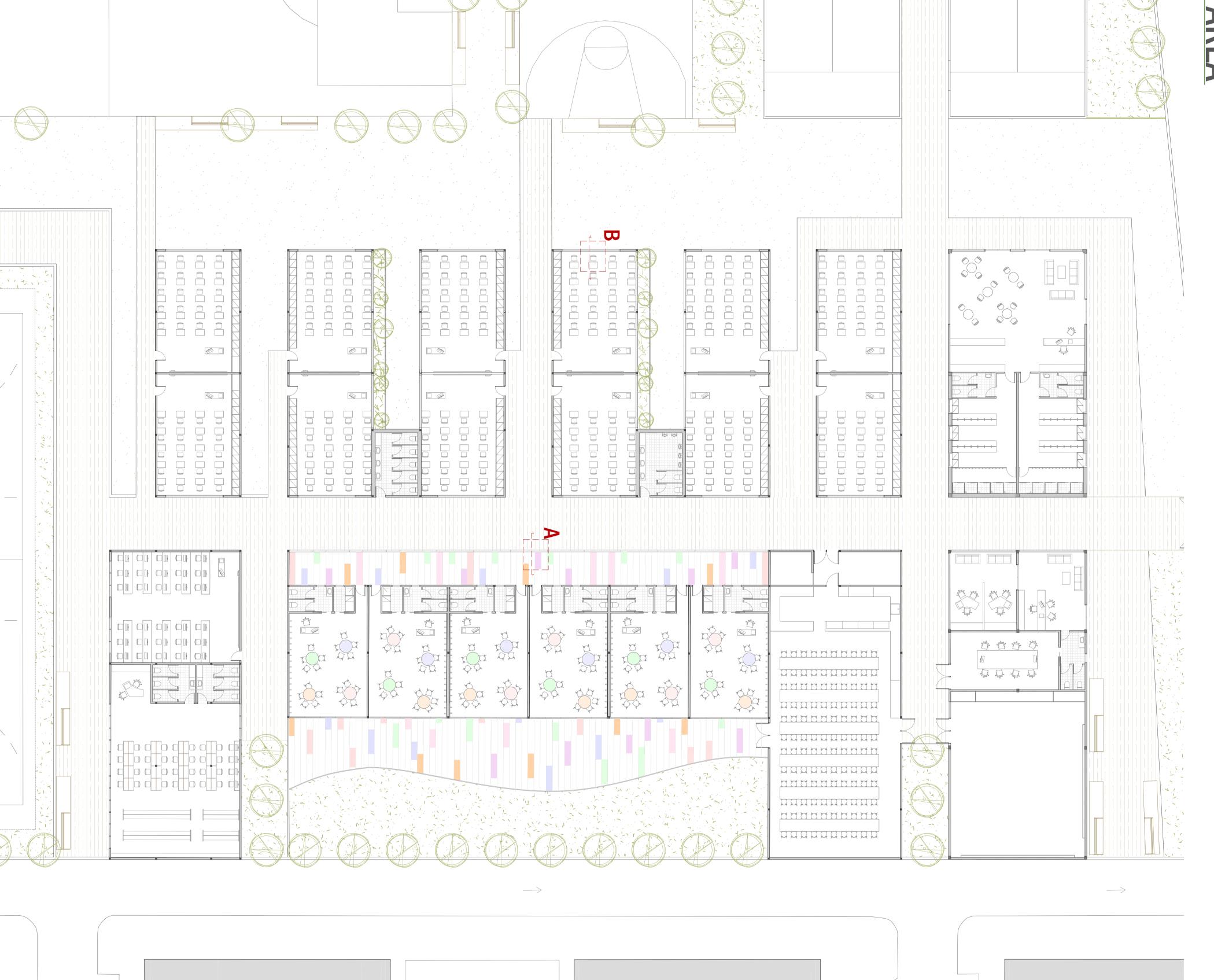
- Recommended Surface: 20 m². Lighting and natural ventilation.
- Fixed Equipment Provision of telephone line.
- Kitchen

Recommended Surface: 35 m²

- Located on ground floor
- Direct connection with pantry Watertight lighting fixtures

Exterior Ventilation

- Good connection with dining
- Connection to the outside for
- the supply
- Cabinet freezer Refrigerating cabinet
- -Preparation area
- -Wash zone
- -Country
 -Dining Cooking zone



- Recommended Surface: 40 m².
- Communication with outdoor
- Height 1.40 m electrical
- Protection against sun space.
- finger-catching system. Protected doors with
- platform. Pavement playroom wooden
- Recommended Surface: 55 m².
- Communication with outdoor

- Playground soft floor paved.
- platform. PVC FIG Floor Classroom, parquet



Changing Rooms

- Basic requirements:
 Recommended Surface: 20 m²
- Lighting and natural ventilation
- Watertight lighting fixtures Walls tiled up to the ceiling
- Translucent glass windows
 Provision of earrings and sinks
- Non-slip paving

Infant Classrooms

- Lighting and natural ventilation.
- mechanisms.
- Playground soft floor paved.
- or similar. PVC Floor Classroom, parquet

Primary Classrooms

- Lighting and natural ventilation.
- Protection against sun space.
 Protected doors with
- finger-catching system.
- Pavement playroom wooden
- or similar.

DETAILED **PROPOSA** PRIMARY

6 Indoor outdoor. Different activities

utdoo



paddle friends. teach, The idea S 0

This σ while the here, is place cafe is that kids where families could enjoy the activities third Q rest cafeteria 9 have drink

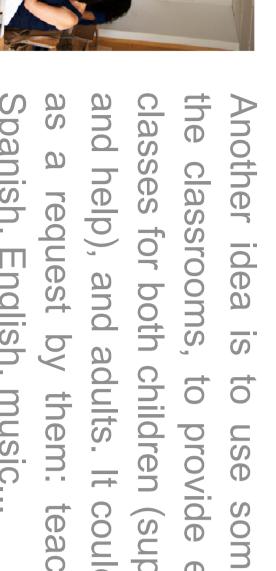
linked Cafe to the and changing outside room

closed, for all ages during the sports area, is that not <u>v</u>. carrying school day, out only

sport in Spain), where they proposed, courts even (very play for example commor betweer could

36.

Extracurricular

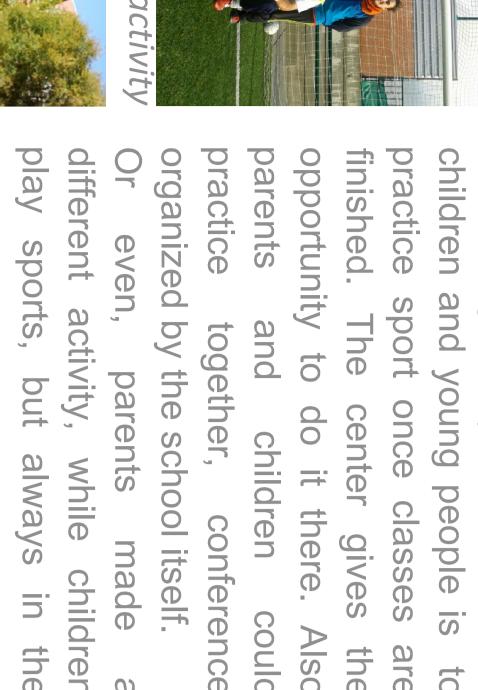


Pic 37

Spanish, English, music. for both children (support It could be some teaching extra

Extracurricular varied sports

Something



could

Also

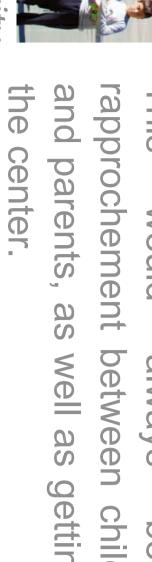
the

tdoor

rapprochement would SB between well as always always Ξ.

children

and parents, getting children



The proposal for this school but once activities work and

of having the space.

hildren İn paddle lessons

og o Sa Sa Sa. 00000 00000 50 D. <u>ananananan</u> nanananana <u>uuuuuuuuuuuuu</u>

occur $\overline{\mathsf{D}}$ of activity. classroom ballet or practice the <u>on</u> center judo. by the children, indoor, there and such large often

football,

basketball,

handball

sports

such

Multifunctio

nal classroom

There

are

other

activities

that

SB

This class adaptable to any type may also propose

schedules aerobics, fitness, activities The idea for provided S. adults, yoga Ó for such combine SB

 \longrightarrow

Moreover, free time besides the center. available to children not just and these those parents /one being together. Who activities who can enjoy belong to wants both are



Aerobic class



Judo

Computer activiti ies classroom

children, quickly. teach nodn lab and can become familiar networks However The at technology kly. It is same be computer classes completion school. and adu always today goes for the computer made =are with it. Its and older. advances mixed 9 necessary remains since fashionable, classes for both classes social open very to



Computer -adults



omputer

School Library

place have open option to study the possible The school σ after study, the suitable that classes, library children and appropriate hey are given the ere. **\leq** since be do it is also not



5. Example of schoo

Pic

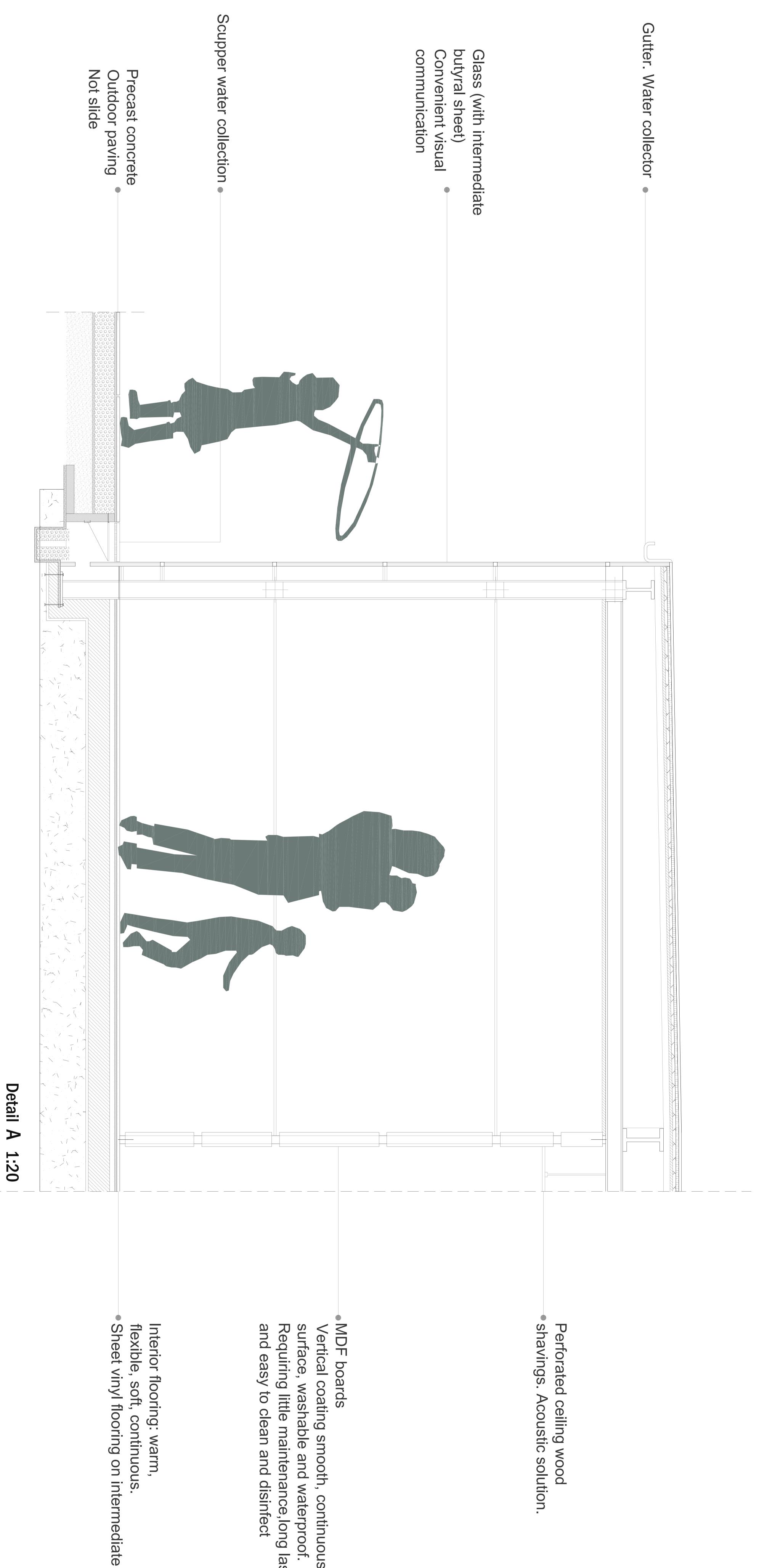
46.

Activities

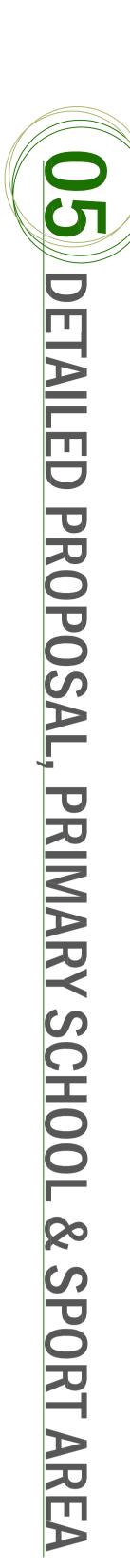
scheme

PRIMARY SCI

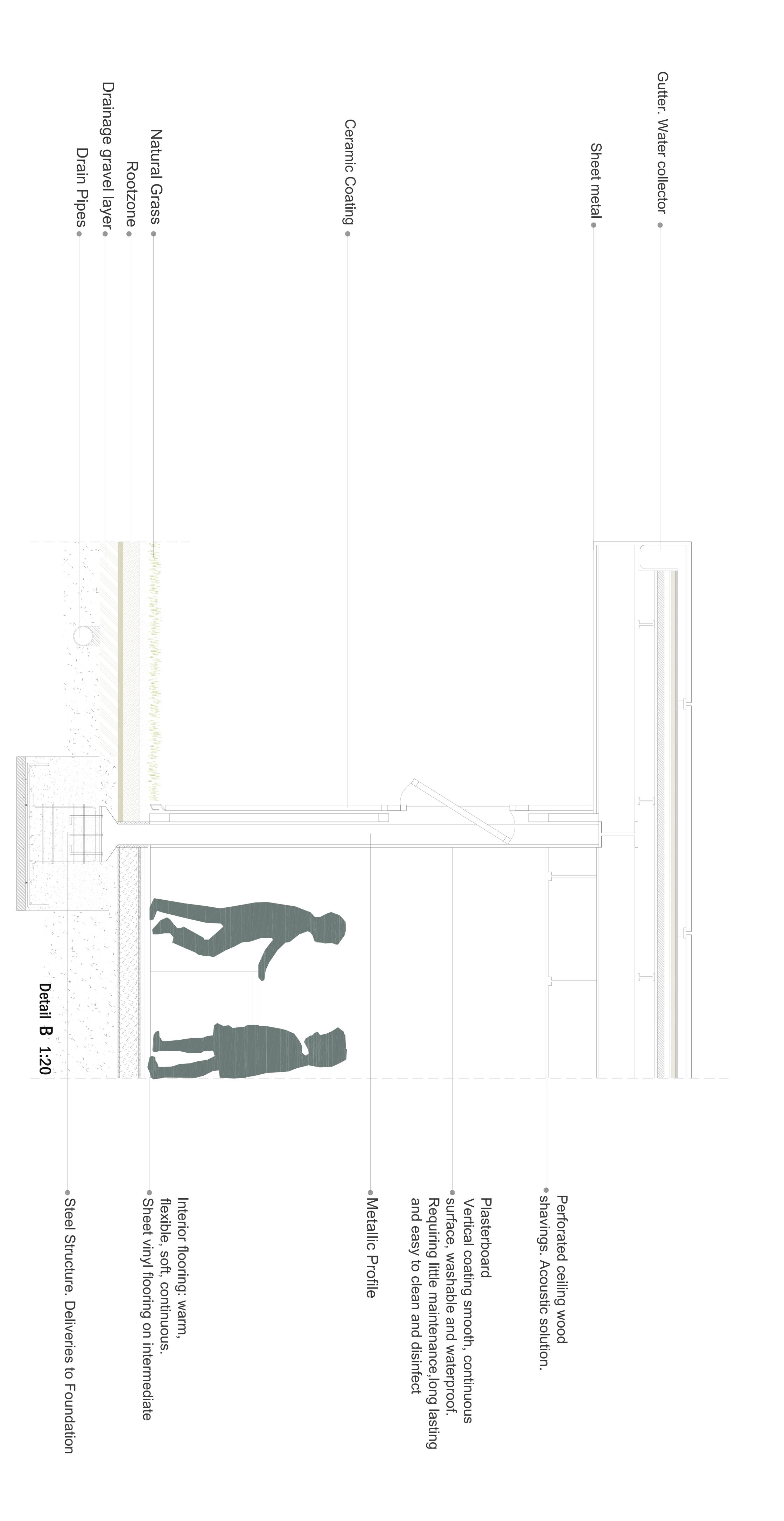
Recommended construction materials and systems



Vertical coating smooth, continuous surface, washable and waterproof. Requiring little maintenance, long lasting and easy to clean and disinfect



Recommended construction materials and systems



CENTRAL PLAZA

COURTYARDS

BOULEVARD

PRIMARY SCH 100L &



Pic. 1-2-3
Pic. 4 to 15
Pic. 23- 24
Pic. 27 -28
Pic. 29- 30
Pic. 31
Pic. 32
Pic. 35 to 45

Pictures no named here are made by the author.