

---

TOMMASO CHIAROMONTE | architect

## EDUCATION

University of Camerino, Eduardo Vittoria School of Architecture and Design in Ascoli Piceno

state exam ..... january 2012  
qualification to practice as an architect

University of Camerino, Eduardo Vittoria School of Architecture and Design in Ascoli Piceno

master of architecture ..... october 2007 | april 2011  
graduated (109/110)

University of Camerino | California state University of San Luis Obispo (USA)

international workshop on coastal town | pesaro (PU) | coast 2 coast ..... april 2007 | may 2007  
certificate of participation

University of Camerino, Eduardo Vittoria School of Architecture and Design in Ascoli Piceno

bachelor of science of architecture ..... october 2004 | april 2008  
graduated (102/110)

High Scientific School G.Alessi in Perugia

secondary school ..... september 1999 | july 2004  
graduated high school

## COMPETENCE

I can work in groups and in collaboration. I developed this abilities in both college intern and in the workplace as collaborator, acquiring a strong willingness to work long hours consecutively according to tight deadlines and a good experience in project management group. I can create complex and realistic three-dimensional models with its operations insert photos and photomontage; remarkable ability to work in the field of graphic.

word processing and spreadsheets ..... word | excel

photo editing and digital imaging ..... adobe photoshop

graphic layout of tables ..... adobe illustrator

drawing 2D ..... autocad

architectural models ..... autocad | sketchup | rhinoceros

photo-realistic rendering and animation videos ..... 3d studio max | maxwell render | v-ray | lumion

## WORK EXPERIENCE

Gruppo Piccini S.p.A. | Perugia

collaborator architect ..... april 2018 | present  
Architectural and structural planning, graphic designs from the feasibility study to the executive / construction phase

SAB S.r.l. | Perugia

collaborator architect ..... january 2014 | march 2018  
Architectural and structural planning, management of the technical offer with graphic design and technical reports

studio claudio ronconi architetto | Perugia

collaborator architect ..... september 2011 | december 2013  
Architectural and interior design, depth of the national regulations on construction

studio claudio ronconi architetto | Perugia

training ..... september 2007 | january 2008  
3D modeling, rendering, CAD designer

BIC | berlin interconnector

01



ADRIATISCAPE4 | waterfront

02



LIGHTTOWER | light and shadow

03



ARTESTUDIO | art on the hill

04



CLIMALIFE | green suburb on the river

05



PAFO | foglia river park

06



EDUCATION | university

SHOPPING CENTER | architectural project

12



INDUSTRIAL BUILDING | architectural project

11



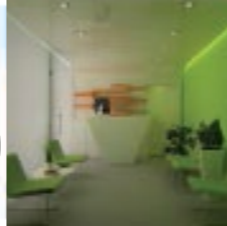
RESIDENTIAL BUILDING | restructuring

10



DENTAL STUDIO | architectural concept

09



SHOWROOM | architectural concept

08



MULTIFUNCTIONAL BUILDING | thesis

07



WORK EXPERIENCE | interior/exterior design studio

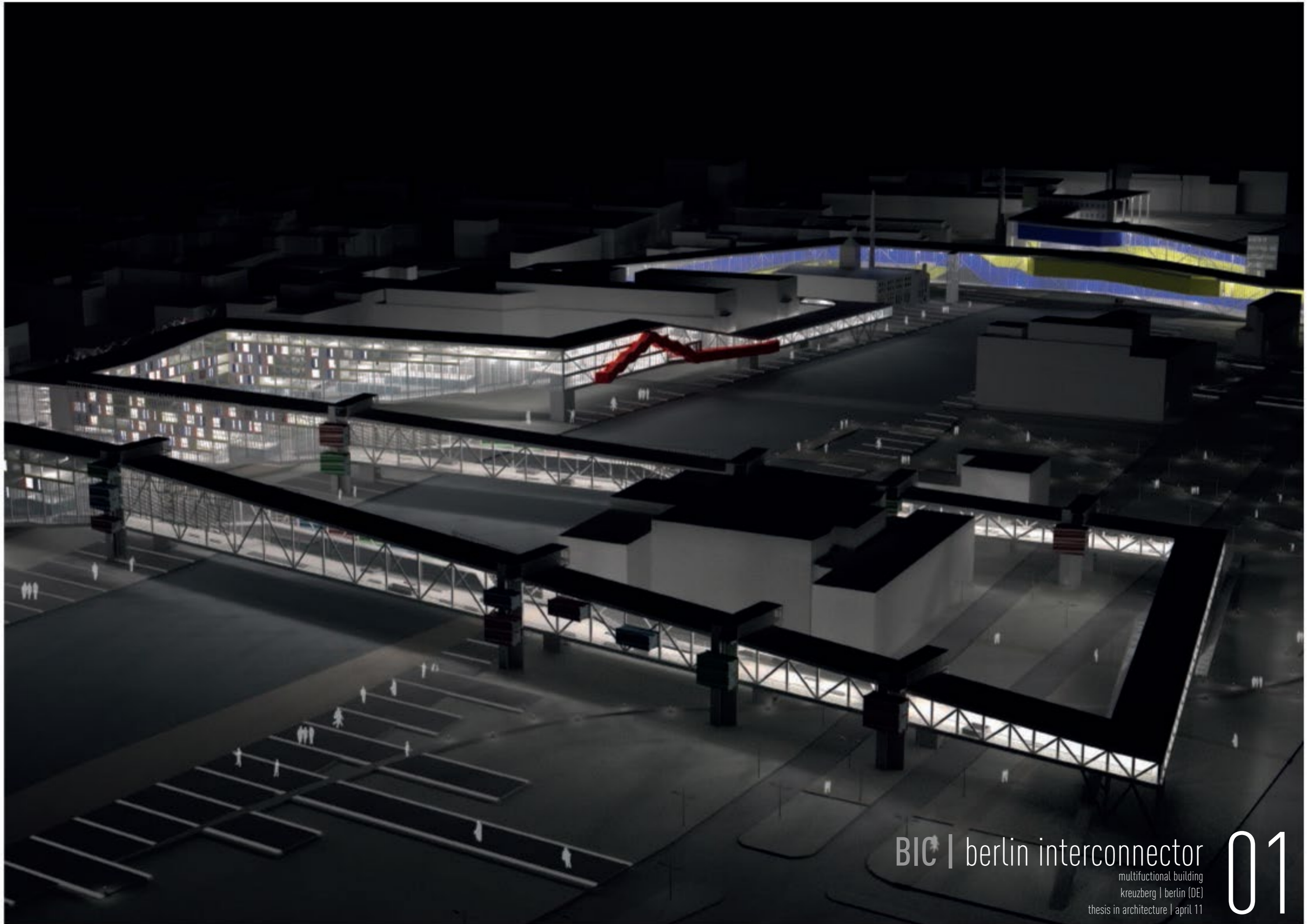
TOMMASO CHIAROMONTE | architect

graduated in Architecture | UNICAM University of Camerino

info@tommasochiaromonte.com | +393288005654

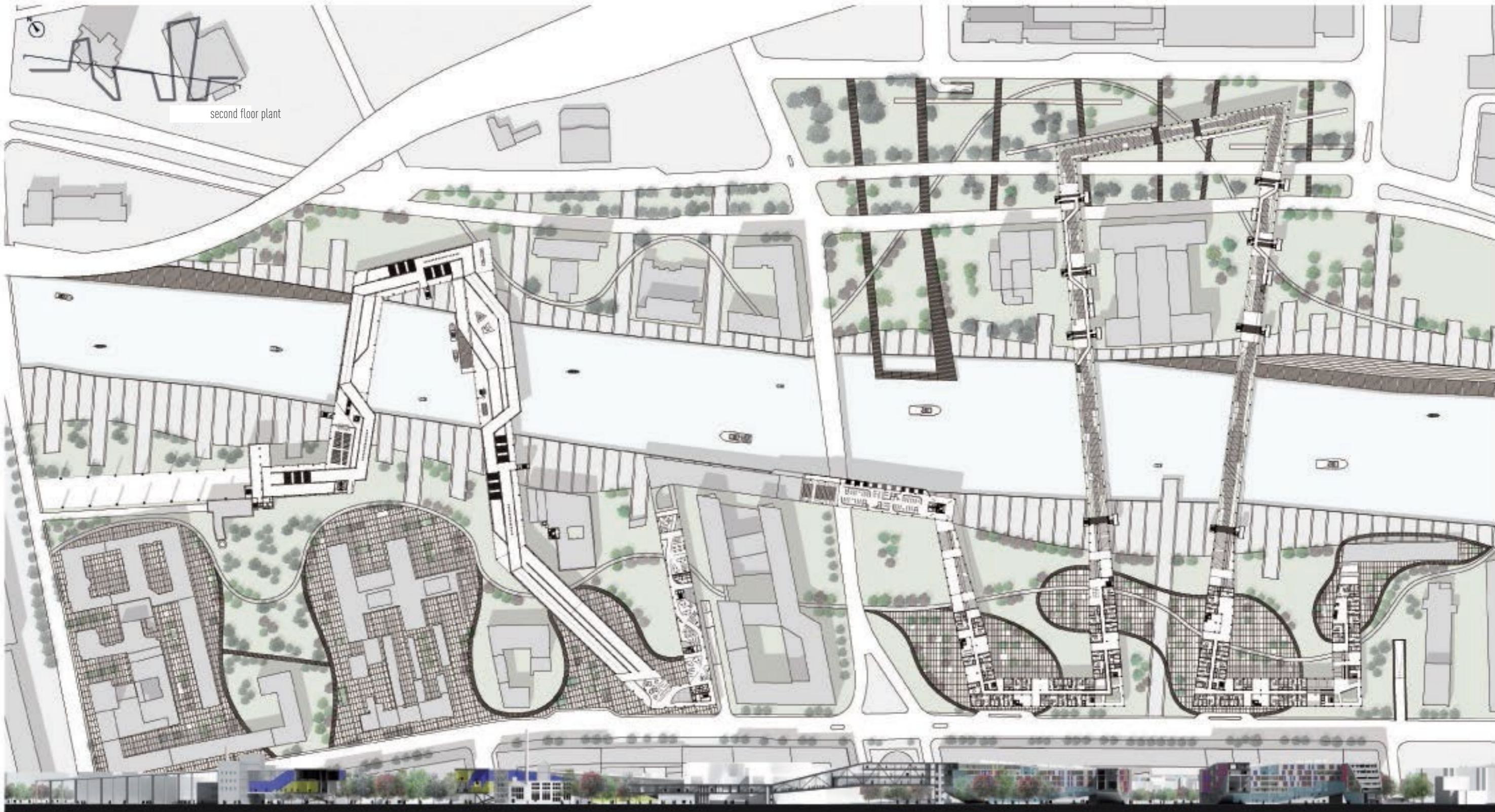
portfolio

00



BIC | berlin interconnector  
multifunctional building  
kreuzberg | berlin (DE)  
thesis in architecture | april 11

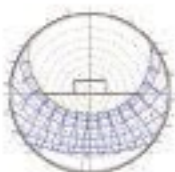
01



solar path **spring**



path solar **summer**



indirect solar radiation



shading characteristic periods

spring equinox  
21 march 13 am



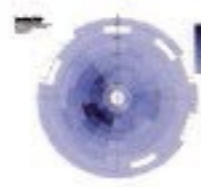
summer solstice  
21 june 13 am



wind in **summer**



wind in **autumn**



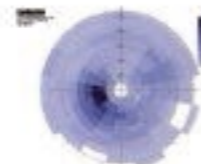
autumn equinox  
21 september 13 am



winter solstice  
21 december 13 am



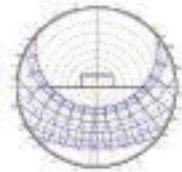
wind in **winter**



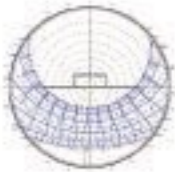
average winter **temperature**



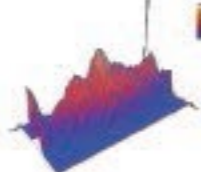
solar path **autumn**



path solar **winter**

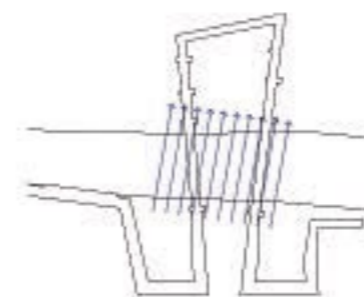


direct solar radiation

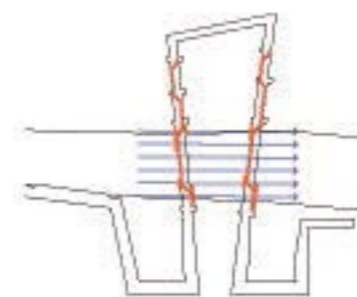


The diagrams on the prevailing winds, show the trend during summer, autumn and winter, temperatures in addition to the period winter. Action of the winds is lower than the current blowing in a river perpendicular to the bridge to shield the people along the walkway shall be a membrane micro, alternating containers to commercial. Both are always placed between the walkway and currents along the stretch of water.

plan and direction of prevailing winds in winter



trade route and shielding of the winds along the river



shielding bridge and residences

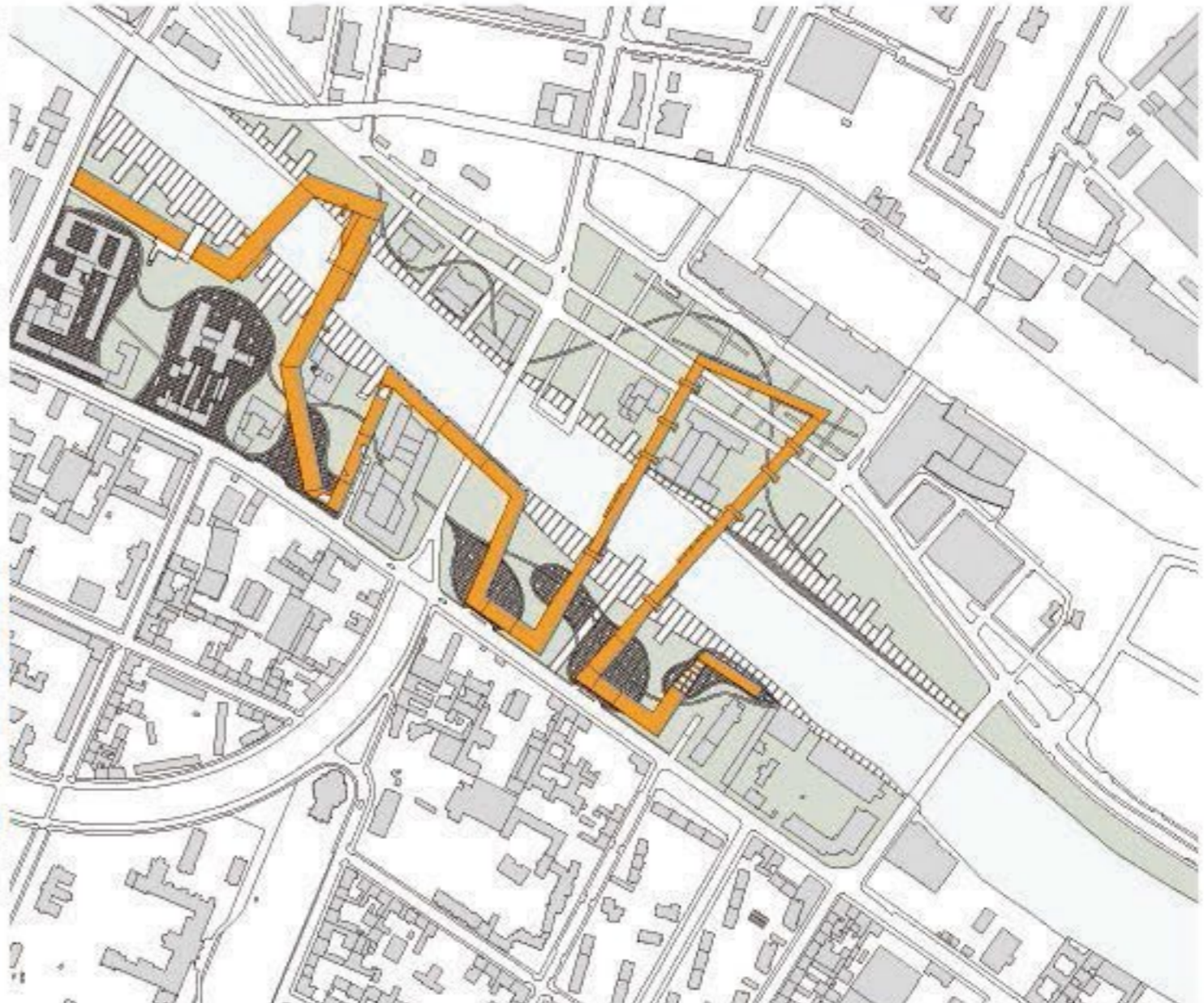


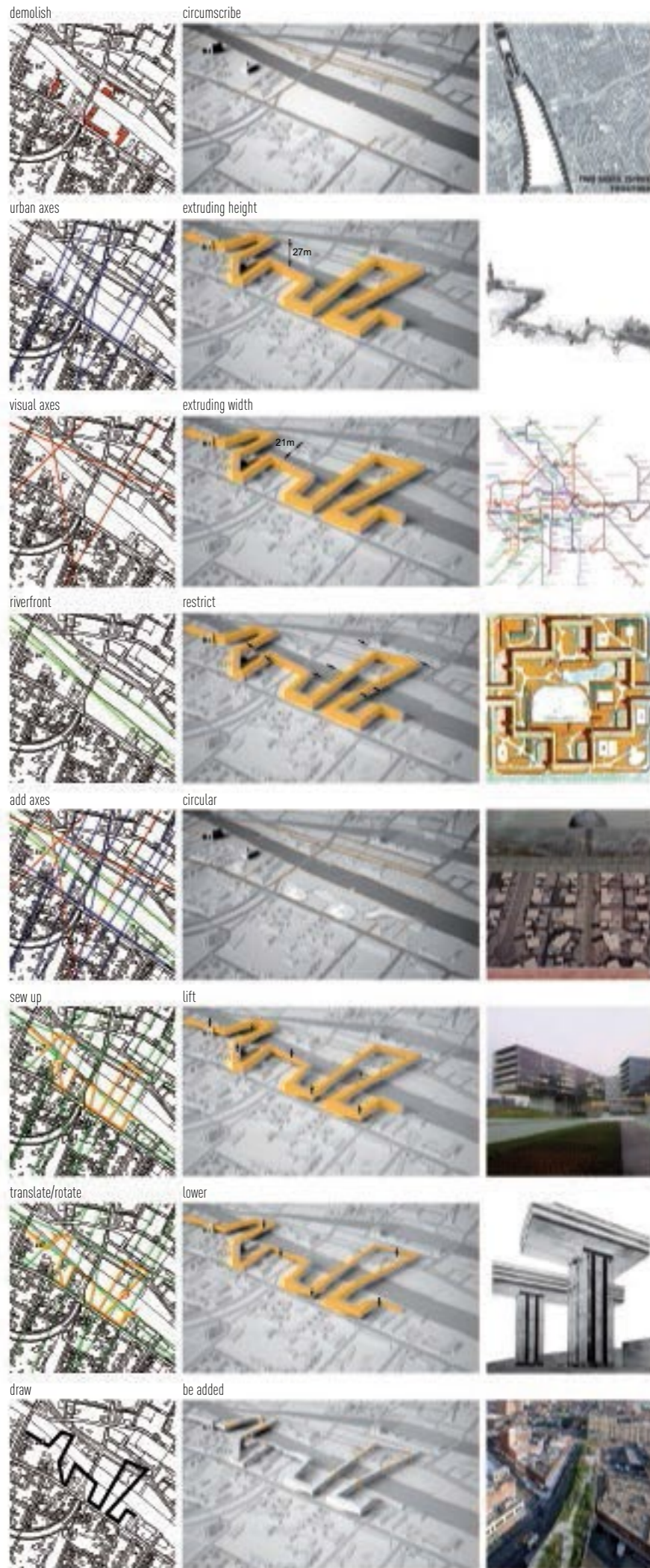


**Mediaspree**  
 Here comes the project Mediaspree, with the aim to implement the part of private investors a urban renewal to build the "city media" on both sides of the river Spree (an operation that involves an area of 120 ha) in one of the former industrial areas in eastern part of the city, a stone's throw from the East Side Gallery. The river Spree offers not only a space attractive for office locations, some of which are installed (EnergieForum, Berliner Wasserbetriebe, M.U.T., Ver.di), but also space for the media industry and communication and for projects cultural and recreational activities. The project involves the division into sectors to be transferred to different society, this is the same way used to operate for the reconstruction of Postdamer Platz, the outcome of which is partially untied and inhomogeneous, and over that glass hasty (this is one of the main concerns of the local residents). From the perspective of the urban masterplan is divided into a series of short, placed to close the gaps and often too close to the banks of the river, without addressing the issue of public spaces. The masterplan provides for the presence of two bridges, one for vehicles, one for buses and (possibly tram).



**Berlin Interconnector**  
 Berlin Interconnector is the project to upgrade architectural and urban area along the banks of the river Spree within the district Kreuzberg - Friedrichshain. At the base of the project is the study of area much heterogeneous, multi-layered, full of contradictions and history (the wall of division was here) in the district today, more appetite of the town. A project along the river should allow the transition from a natural environment to a more man-made; this strip of land (called filtering areas) began as a park in which there are a number of various nature pre-existing for different historical periods. In this new park is a sign wants to sew the two sections of the city to extreme river, which today do not talk. The will to overcome the division and barriers, the desire to give listen to the demands of the community, to provide a project raised from the ground to allow the crossing to and from physical and views of the river, trying to mix all the functions of a central Berlin city shape the interconnector. The continuity of the gradual shift from one function to another, taking into account the many pre-existing site already in this area, determine a path public they alternate the private environments.





**layer urban park**  
 The urban park is a public place of connection, horizontally and vertically, which can be crossed in all directions, since only a part of it is occupied by pre-existing and the new structure (almost entirely relieved). This park takes first be a "filtering zone" between the river Spree and the man-city; consists of a riverfront, punctuated by cuts which constitute a plant lighting at night. Away from the river of winding paths, on the model the Ville Radieuse, drawing both large tracts of green islands in paved, the latter also hosting local tree species. The paths to urban land mingle with those of public buildings by virtue of a principle advocated in Germany since the seventies.

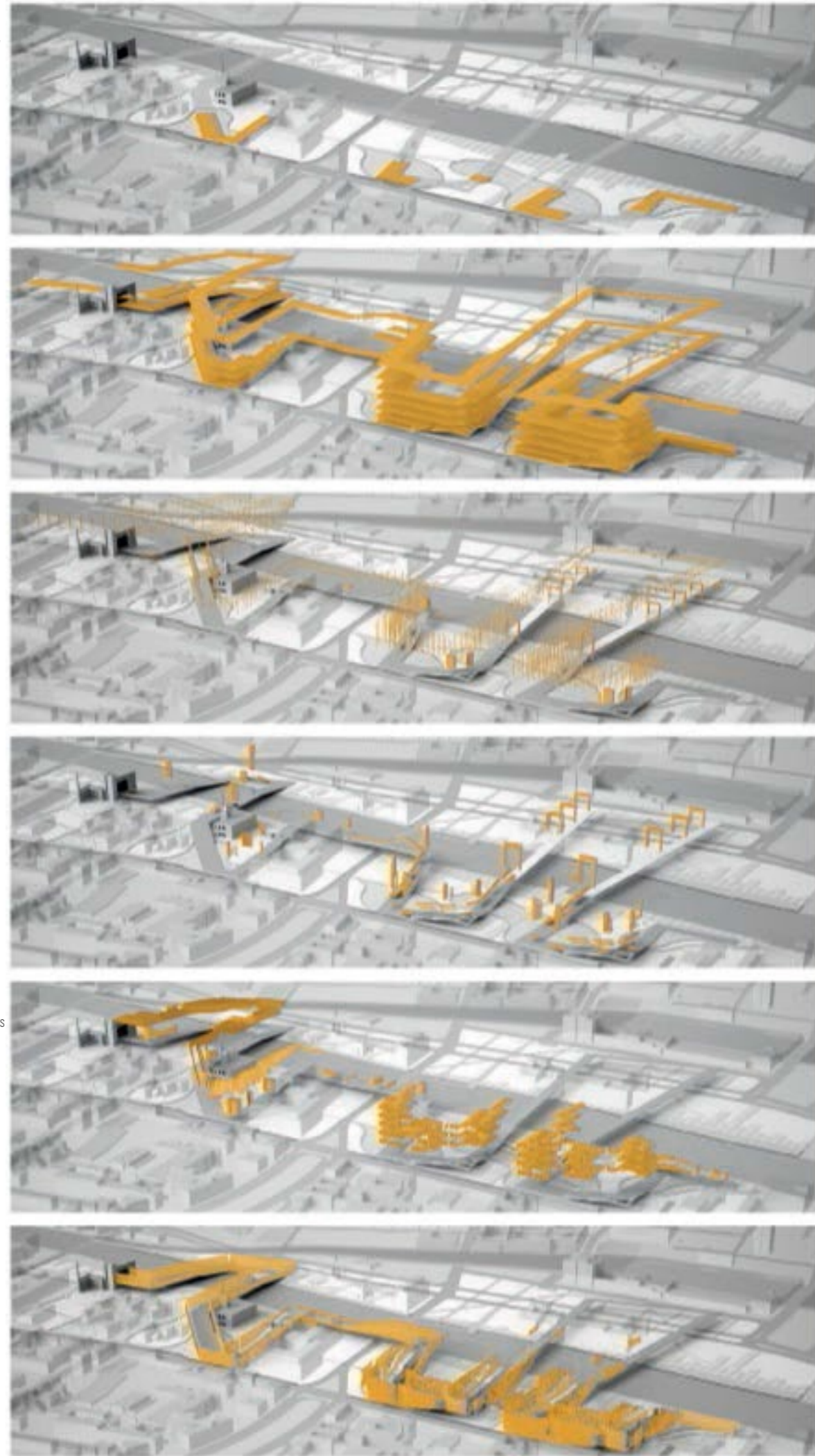
**layer horizontal structure**  
 The feasibility of the whole article along a path audience that alternates with private parties is behind the project; all is made possible by the geometry plans that face each other to generate the internal paths which in turn give rise to a whole system of views between them. The whole structure is made up of warped floors with steel beams (some of which are ribbed) and corrugated sheets uncooperative. The main structures alternate runways, secondary routes, internal and external, and a series of patios and double heights to recreate the game of views and bring the light inside the enclosures. The roof is realized by a metallic coating clear; this is for a speech of unity of the case, both because the surfaces clear and shiny can reflect sunlight (task done today almost exclusively from the polar ice).

**layer vertical structure**  
 All the object is supported by a steel frame to which the elements are alternated in reinforced concrete, often in conjunction to the climbing system. The object is suspended along great lights (free letting the soil and climb over the river), this is often consists of steel trusses, some of them facing, other items behind the facades.

**layer climbing system**  
 These perform the connection (mainly vertical) and other tasks; along the bridge these represent the support point and contain the commercial shops. In the residences there are both public for residents of private, own shops. The lifts also perform the task structural wing commercial and conference rooms (the end result wants to remember horizontal skyscraper theorized by El Lissitzki the early twentieth century). In offices, the lifts are always associated with the services. In the museum they are placed outside and not to steal the interior areas of exhibition, either because they want to be like appendages of the museum on which is the program of events.

**layer internal divisions**  
 The divisions within the organization will vary according to the intended use of the same; the museum and the commercial ones are great open space, marked by elements timely and sinuous that distinguish the spaces fixed paths. The residences are between modular types, which are also open-plan, which is alternate with common spaces. The offices spaces are defined by glass walls, continuous and sinuous, this is because the work environment will not only be a rational place compartmentalized, but a place where light and people can circulate more harmoniously. The stairwells and elevators are the only ones that they result are sectorialized.

**layer external envelope**  
 The skin of the whole structure aims to be both a unifying element, continuous long-throughout the development of the project that a coating heterogeneous, able to describe outside the internal function. In front of a steel skeleton alternate few materials, the chromatics varies according to the internal function (inspired compositions of Piet Mondrian). There are two types of crystals, one transparent and blue (for those facades unshielded and not subject to direct) an opaque white (for the opposite), depending on how the light passes through them can be seen or less within. On coatings then it is added the shielding that alter the geometry of the structure and perform the task of the control of solar radiation direct and ventilation on the river. In addition to yellow, red and blue colors of the pool has completed the gray (metallic coatings and structural elements left exposed), from black (frames of the windows) and white (semi-opaque surfaces), with a view of the colors.



No Division  
 Contact  
 No Barriers  
 Community  
 Metropolitan Location  
 Complexity  
 Check Point  
 Multifunctionality  
 Visual Axes  
 Riverfront  
 Urban Park  
 Horizontal Skyscraper  
 Free Plan  
 Open Space  
 Raumplan  
 Public Space  
 Residence  
 Museum  
 Gardens  
 Office  
 Receptive  
 Commerce  
 Nursery School  
 Recovery

**BERLIN INTERCONNECTOR**

**BIC**



01. form 3x3



02. empty corner



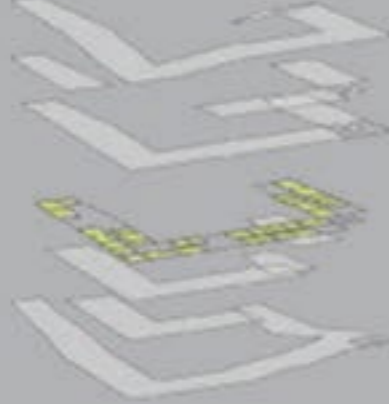
03. vertical distribution



04. common spaces



05. apartment



06. commercial spaces



mq15790	spazi comuni	40%
mq1100	commerciale	12%
mq18390	residenziale	47%

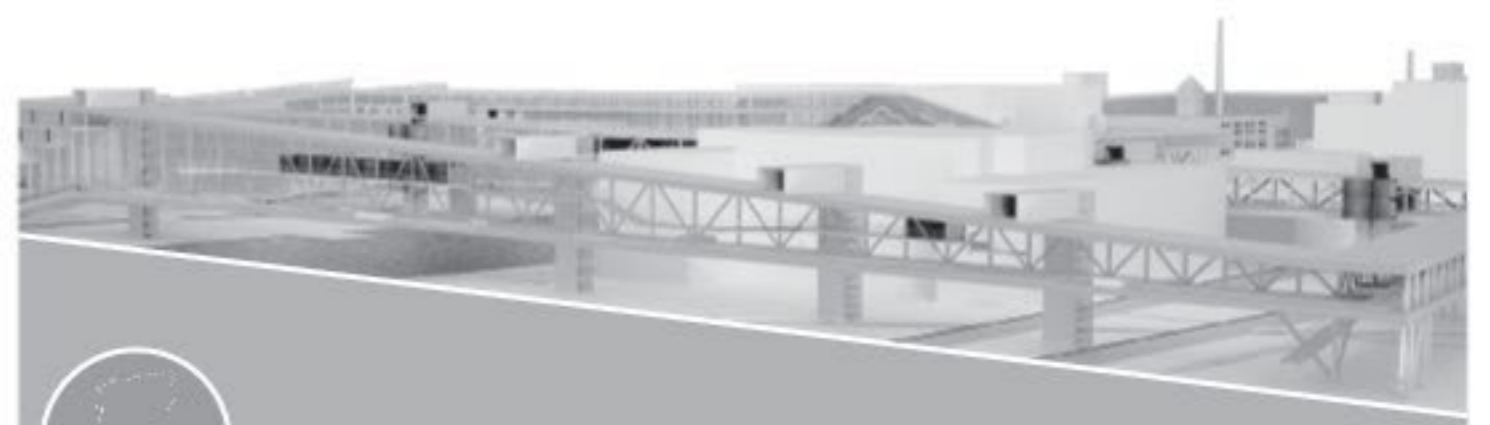
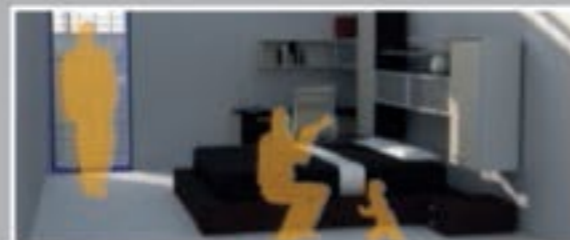
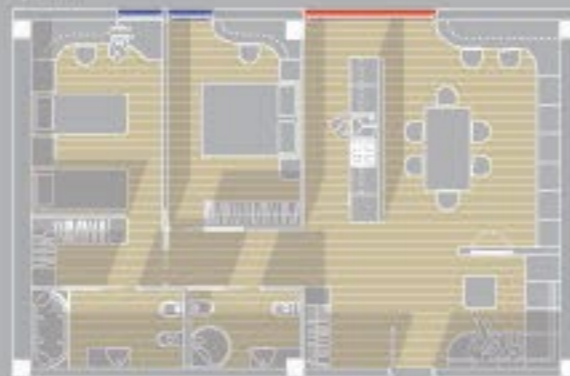
apartment A | mq 40



apartment B | mq 60



apartment C | mq 90



3% benches



35% urban green



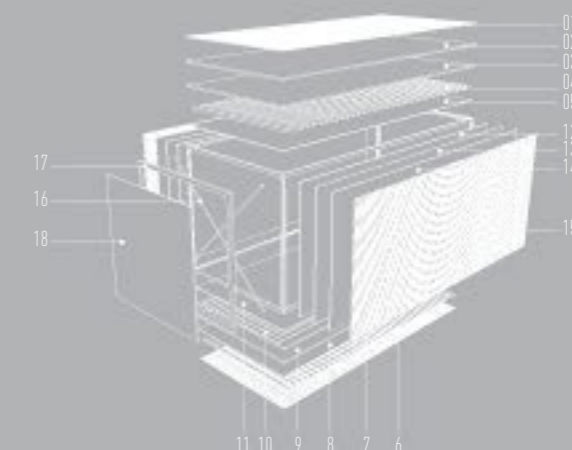
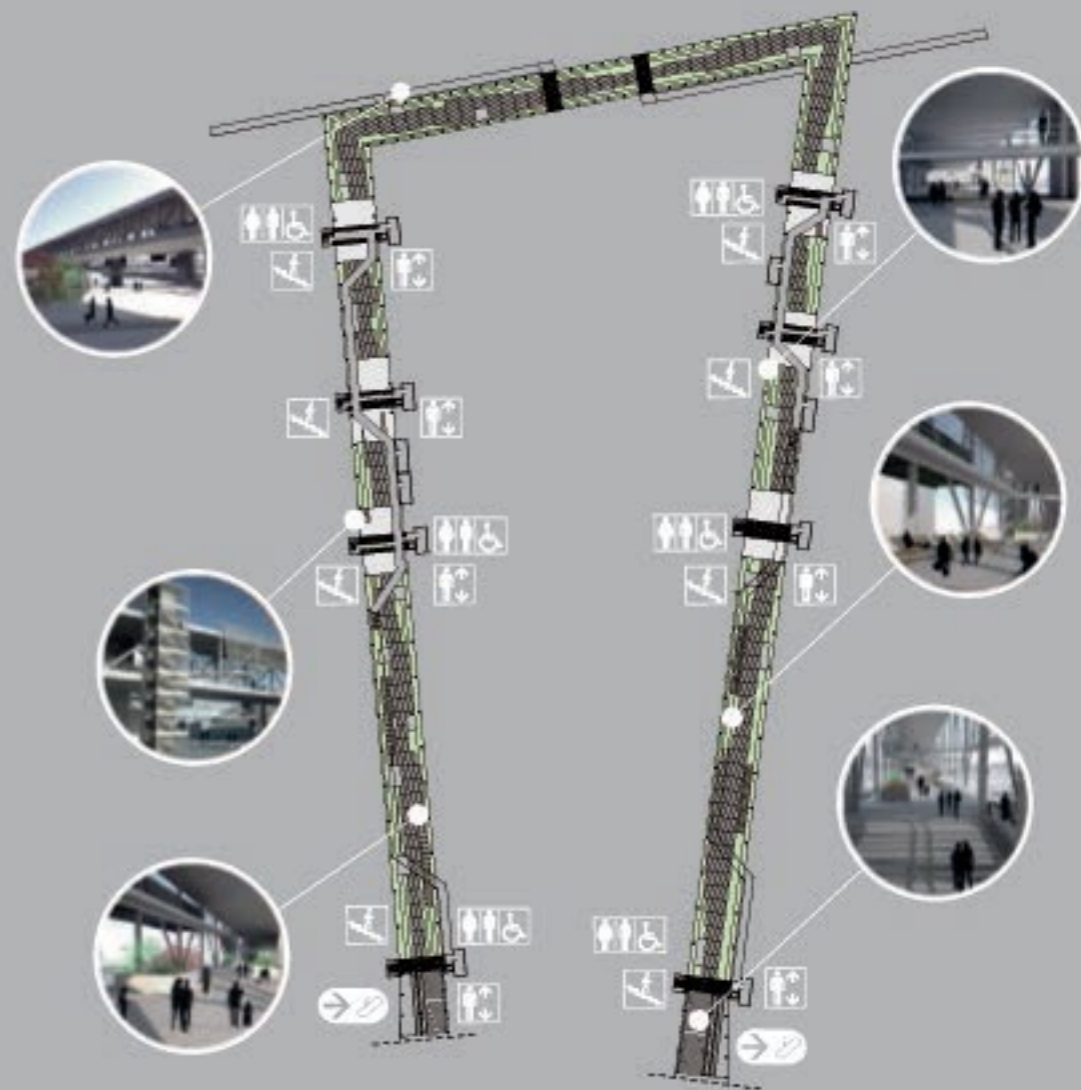
15% raised route



40% urban route

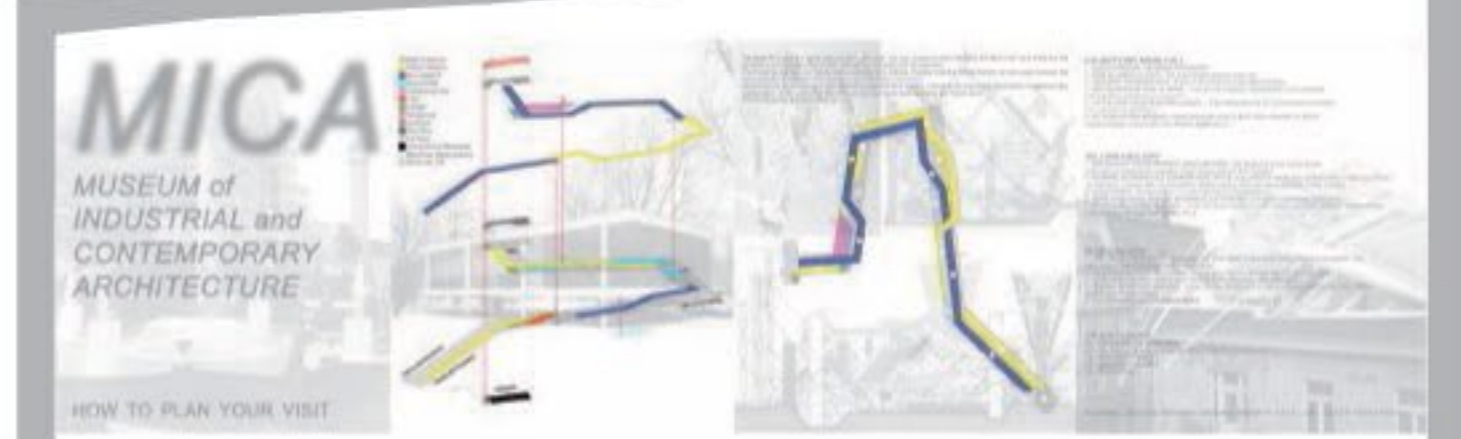
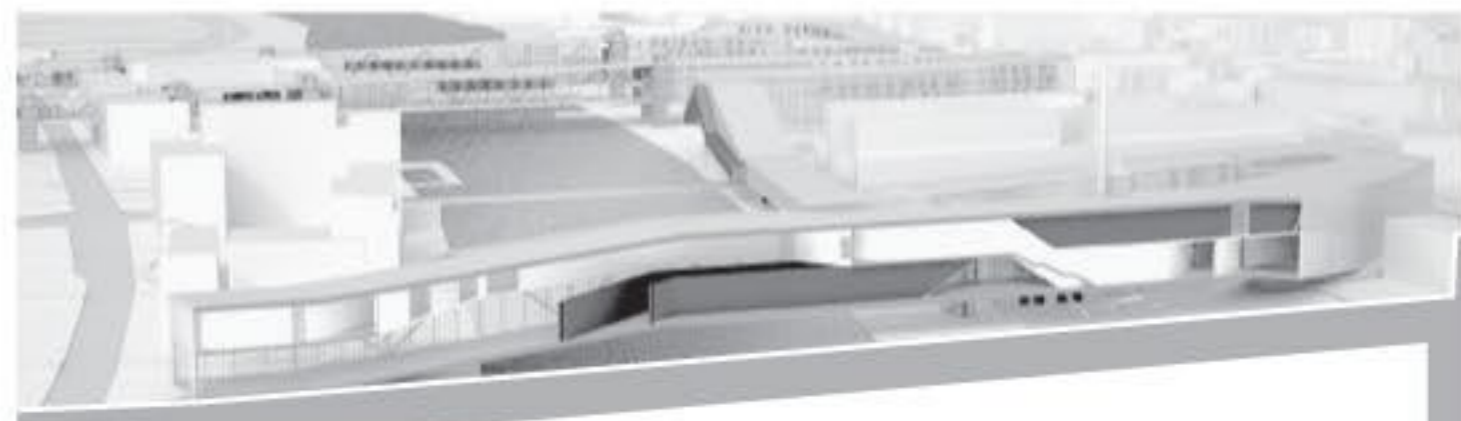
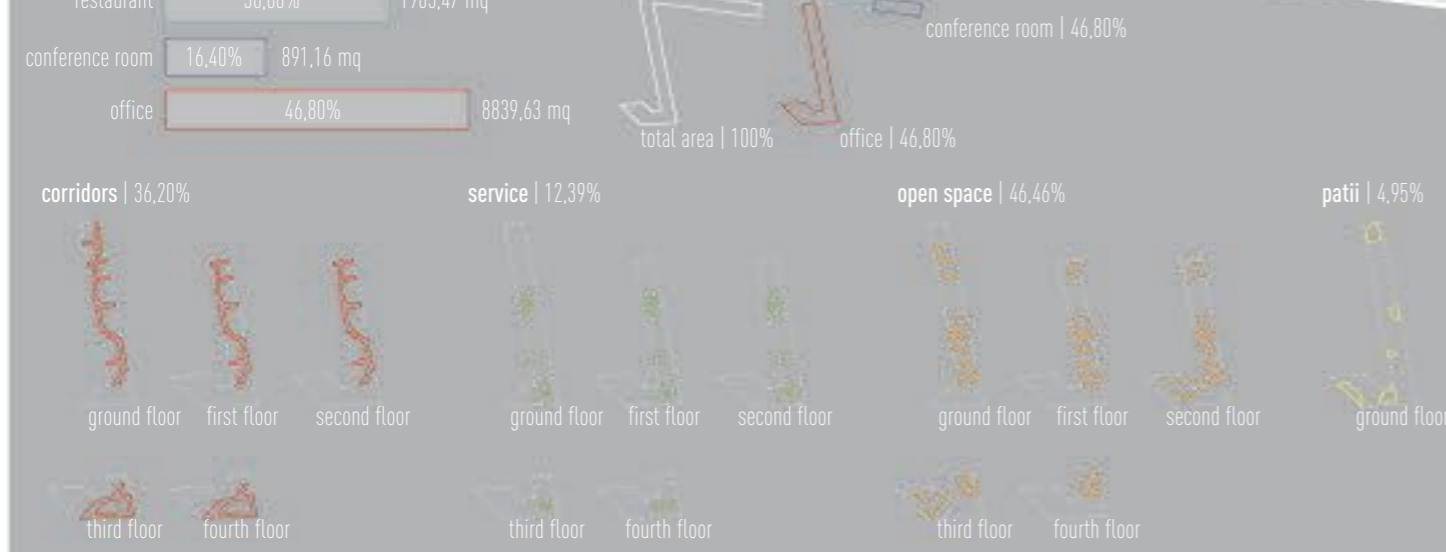


7% green areas

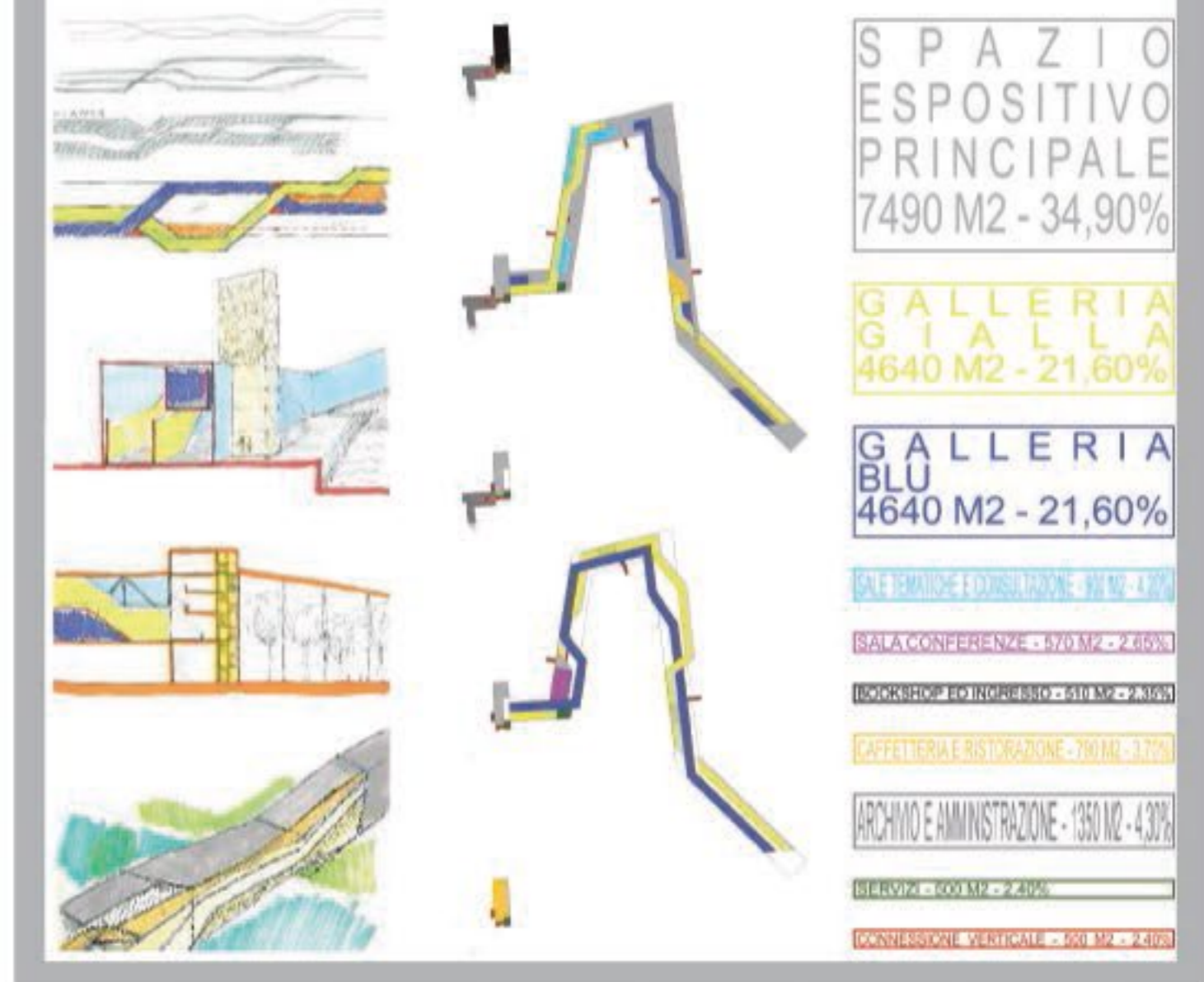


- 01. Metallic coating
- 02. Insulation VIP
- 03. Plywood HDF
- 04. Beams Profile "C"
- 05. Plasterboard
- 06. Metallic coating
- 07. Beams Profile "C"
- 08. Plywood HDF
- 09. Insulation VIP
- 10. Floor Heating
- 11. Metallic coating
- 12. Drywall
- 13. HDF panel
- 14. Insulation VIP
- 15. Metallic coating
- 16. Braces
- 17. Aluminium frame
- 18. Stained glass window



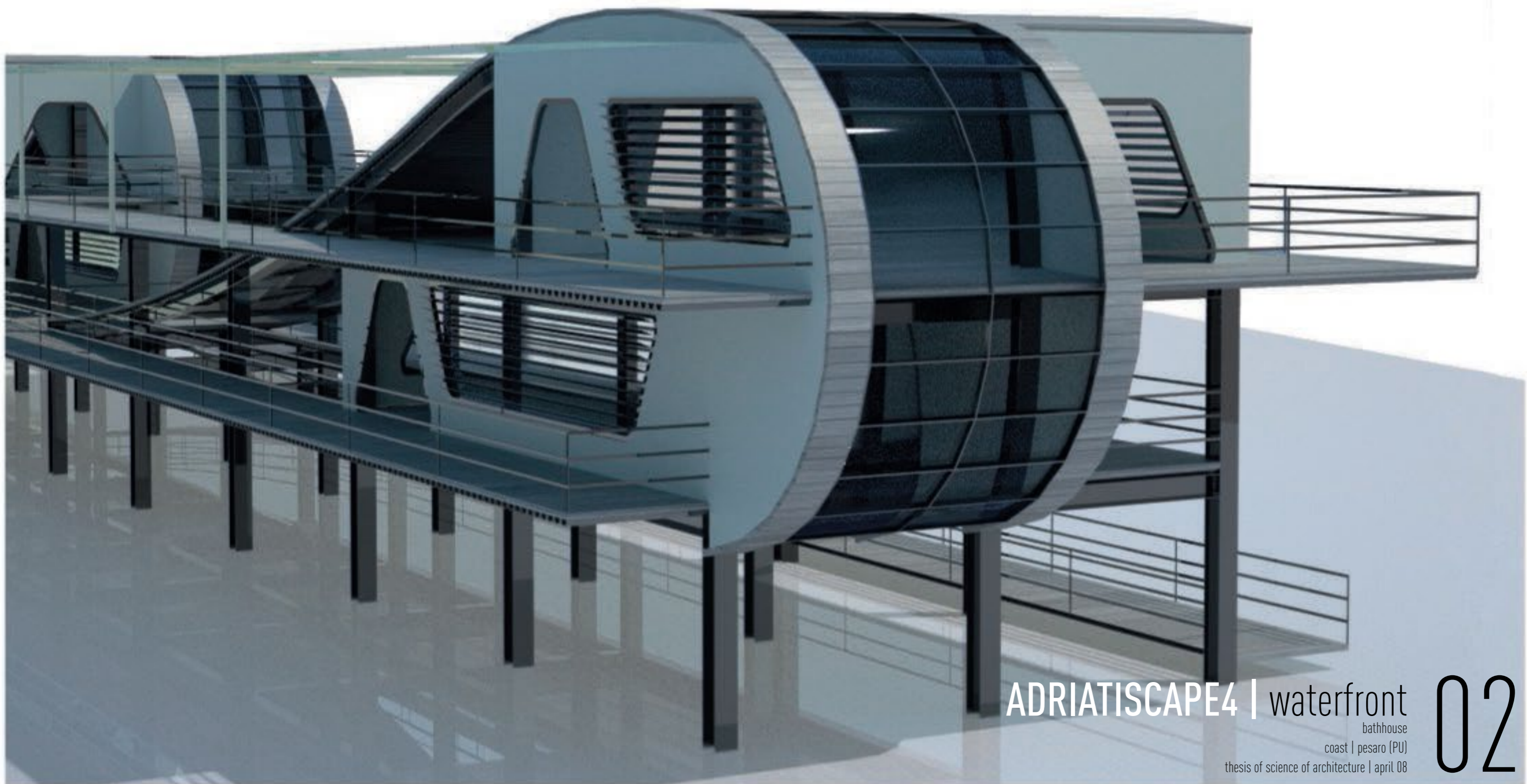


process | idee | topic | evolution | result      access preexistence | first level gallery | second floor preexistence | second level gallery | fourth floor preexistence









ADRIATISCAPE4 | waterfront

bathhouse

coast | pesaro (PU)

thesis of science of architecture | april 08

During the last century, the Italian coast has a remarkable development from the point of view of tourism mainly related to the concept of beach holiday. This has made that it began a new type of the coastal environment, the establishments are typical equipment bathing during the day and a clubs in the evening on the beach at resorts with bungalows, camping and mini-apartments. The area examined in the context of my project from the coast of Pesaro, represented by about 7 km of waterfront equipped and free near the verdurous Ardizio hill, is part of a local context, environmental and landscape and for which "had a renewed interest, not only by those who live there, but also a growing tourism demand seen in recent years. **The intent of the project and 'precisely to enhance this area giving life architectures aimed at creating new situations can provide entertainment, services and functions of any type are not only to vacationers during the summer, but also the local population throughout the year.** The project is spread over three age settlement:

beach: characterized by cabins placed perpendicular to the sea

waterfront: made along Viale trieste

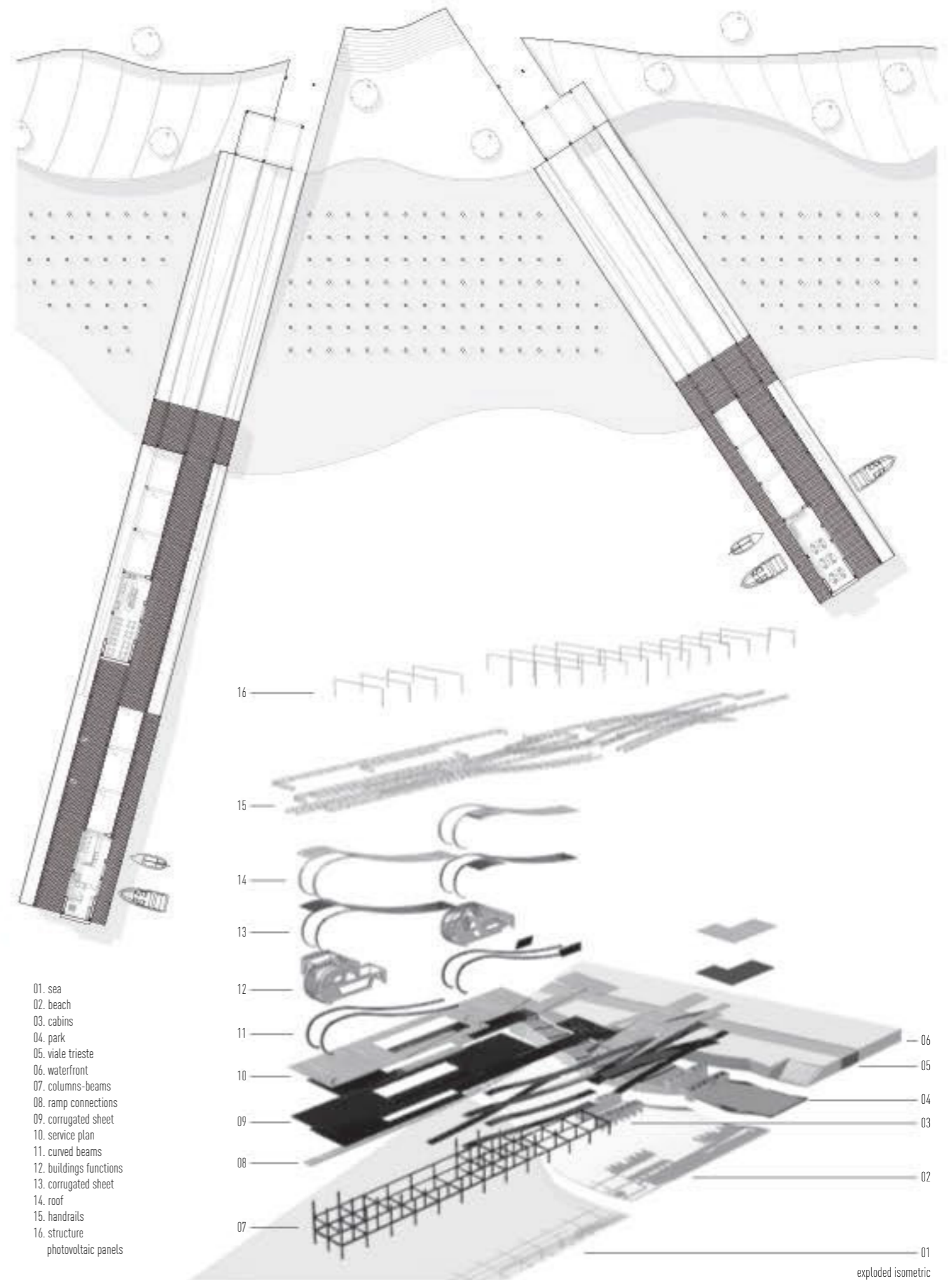
green: represents the connection between the end of the promenade and the beach which they are two different altitude levels, and ' main characteristic of the presence of a theme park, built in terraces.

The three groups are linked by a curvilinear determines that one of the main themes of the project: the curve. Other theme is the extension into the sea obtained through the reduction of the coastal area. From the point of view architectural, the project consists of two platforms governed by a cage of pillars and beams orthogonal to each other interrupted by a series of ramps and curvilinear surfaces.

From the functional point of view, the services offered are essentially public: cafe, media center, restaurant, disco; at the level of the beach, the cabins are located in the service of the bathhouse. The entire complex presents a photovoltaic system consists of panels placed perpendicular to the establishment, harnessing the sun's rays, generate useful electricity for lighting environments. Finally, the vertical structures in particular those windows have accessory systems such as solar shading with the function of shade the structure itself. The complex aims to create a "game" of split-level obtained by means of the three groups mentioned settlement and the architectural tools.

development project

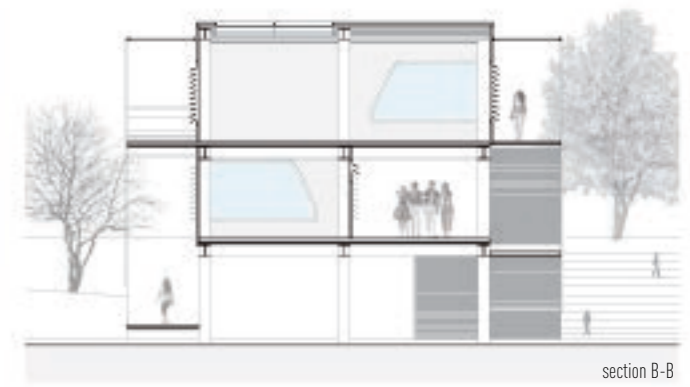
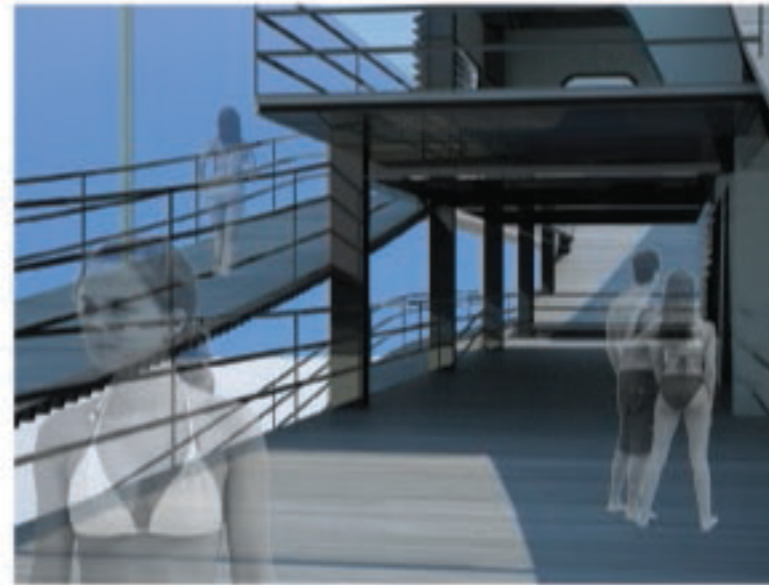
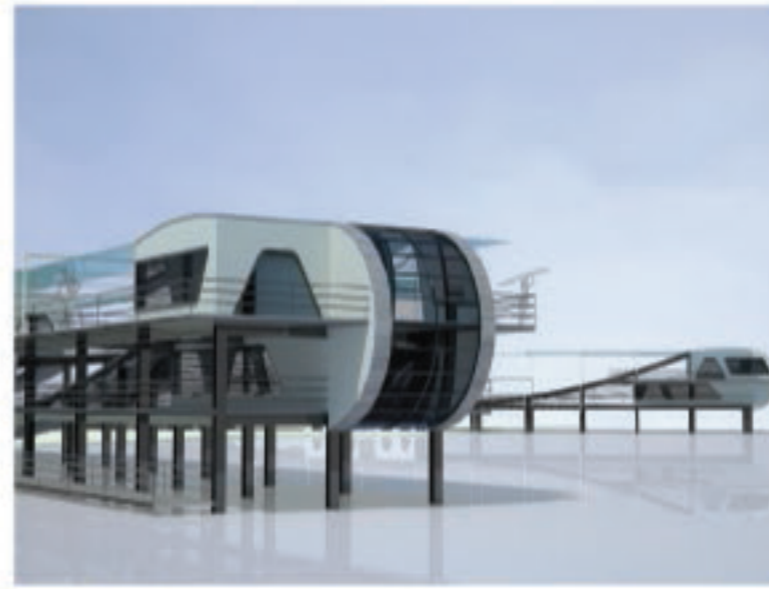
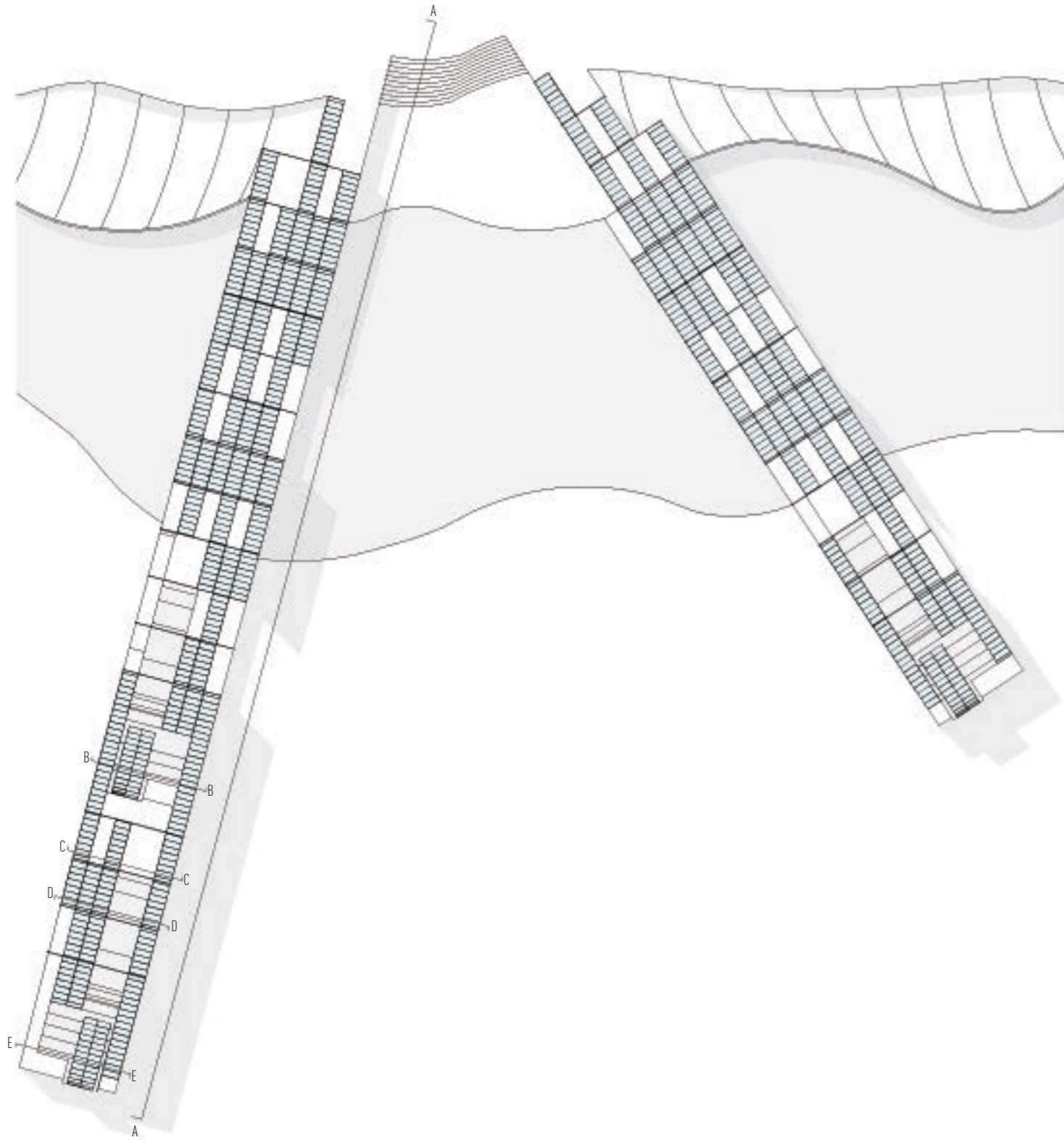
ground floor +3.60m



- 01. sea
- 02. beach
- 03. cabins
- 04. park
- 05. viale trieste
- 06. waterfront
- 07. columns-beams
- 08. ramp connections
- 09. corrugated sheet
- 10. service plan
- 11. curved beams
- 12. buildings functions
- 13. corrugated sheet
- 14. roof
- 15. handrails
- 16. structure
- photovoltaic panels

01  
exploded isometric

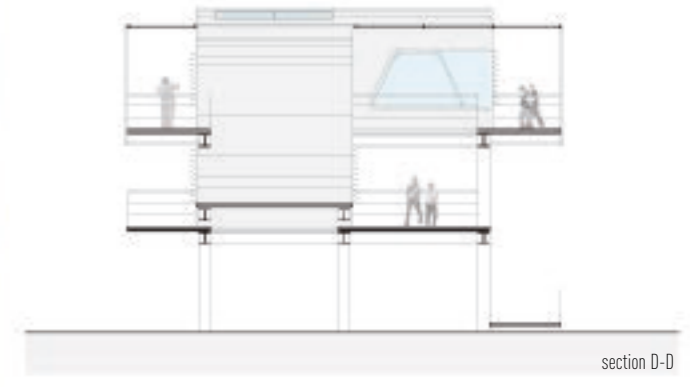
plant covers



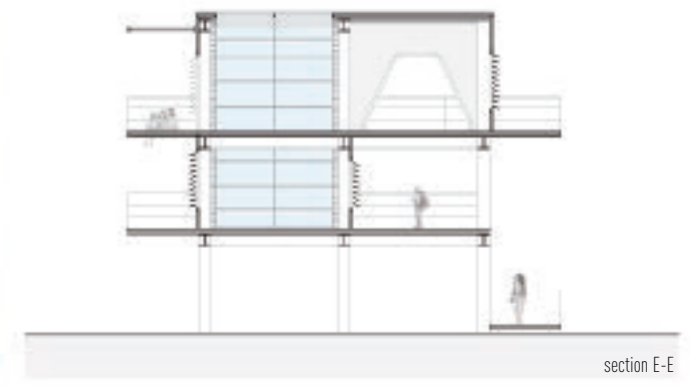
section B-B



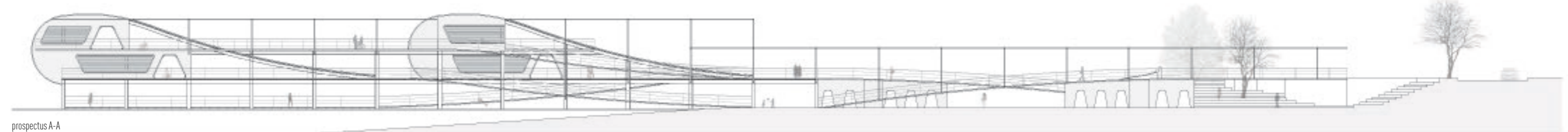
section C-C



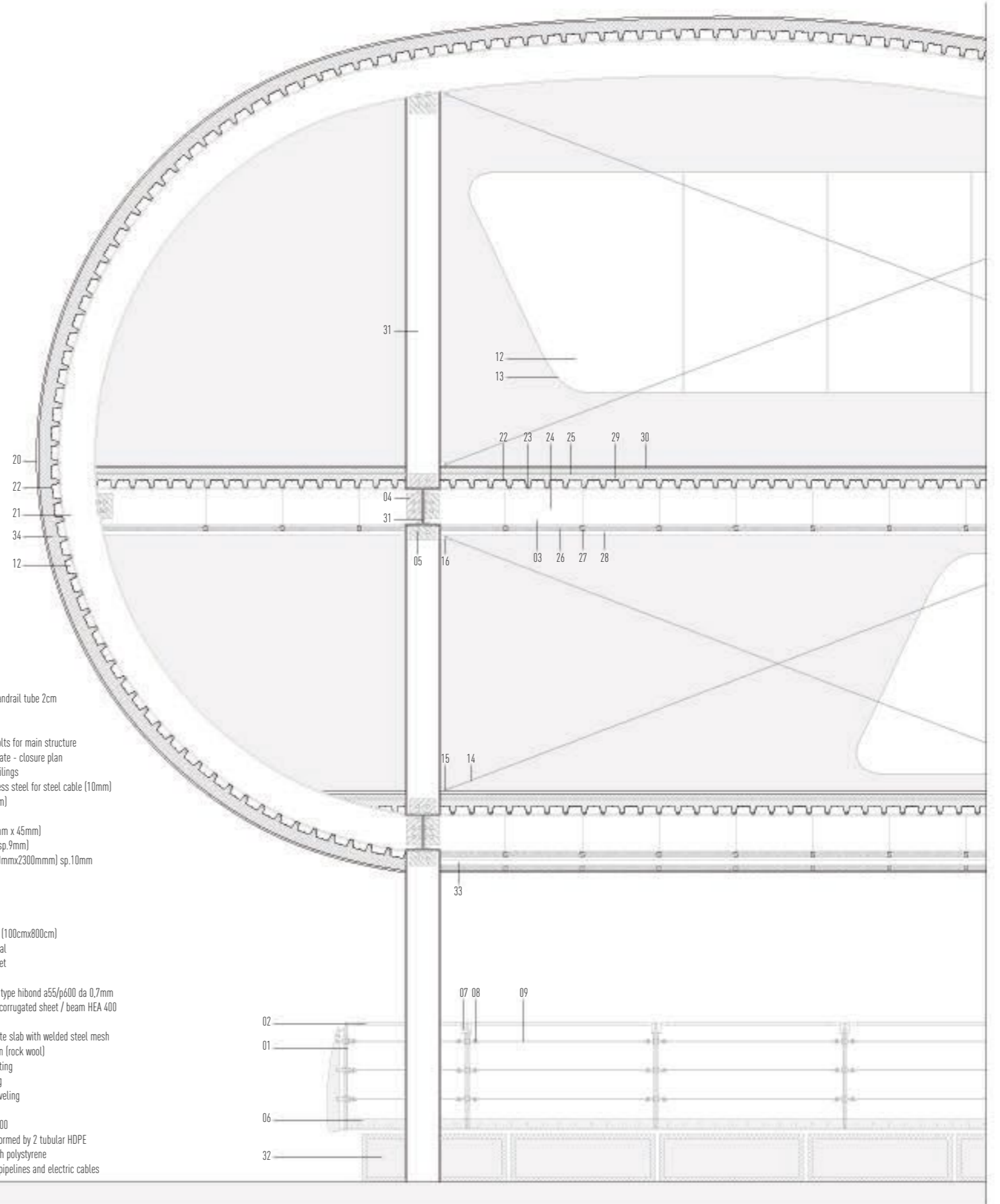
section D-D



section E-E



prospectus A-A



- 01. banister
- 02. stainless steel handrail tube 2cm
- 03. beam HEA 290
- 04. plate bolted
- 05. bolts for fixing bolts for main structure
- 06. stainless steel plate - closure plan
- 07. upright anchor railings
- 08. support of stainless steel for steel cable (10mm)
- 09. steel cable (10mm)
- 10. support
- 11. steel profile (15mm x 45mm)
- 12. tempered glass (sp.9mm)
- 13. steel frame (1500mmx2300mmm) sp.10mm
- 14. tie-beam
- 15. plan (5/6 cm)
- 16. plate (1/4 cm)
- 17. frame for crystal
- 18. cambered crystal (100cmx800cm)
- 19. partition for crystal
- 20. coating steel sheet
- 21. beam HEA 200
- 22. corrugated sheet type hibond a55/p600 da 0,7mm
- 23. connector Fixing corrugated sheet / beam HEA 400
- 24. beam HEA 400
- 25. reinforced concrete slab with welded steel mesh
- 26. thermal insulation (rock wool)
- 27. upright outer coating
- 28. suspended ceiling
- 29. extrusive foam leveling
- 30. pavement
- 31. steel pillar HEA 400
- 32. floating system formed by 2 tubular HDPE 500 mm filled with polystyrene
- 33. channel through pipelines and electric cables



LIGHTTOWER | light and shadow

multifunctional building  
area stadium fratelli ballarin | san benedetto del tronto (AP)  
lab of structural planning | february 10

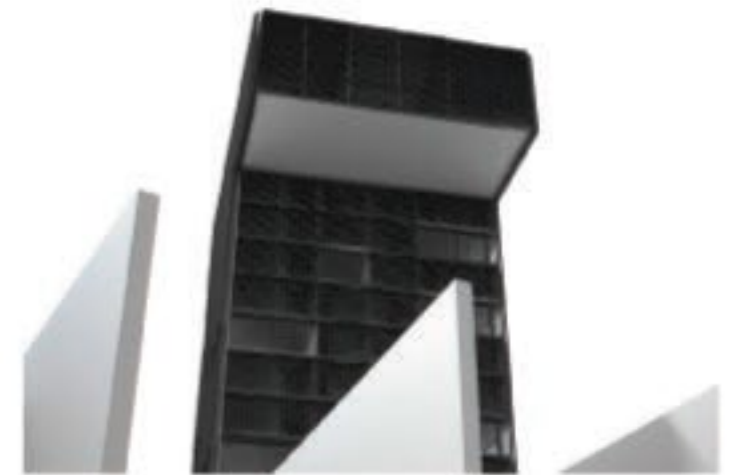
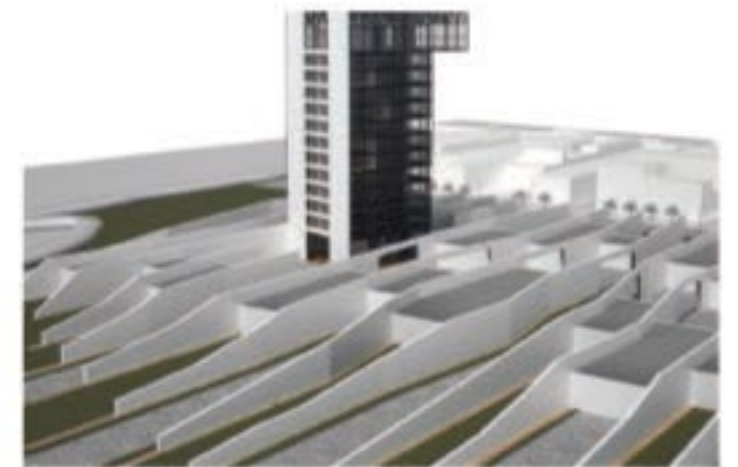
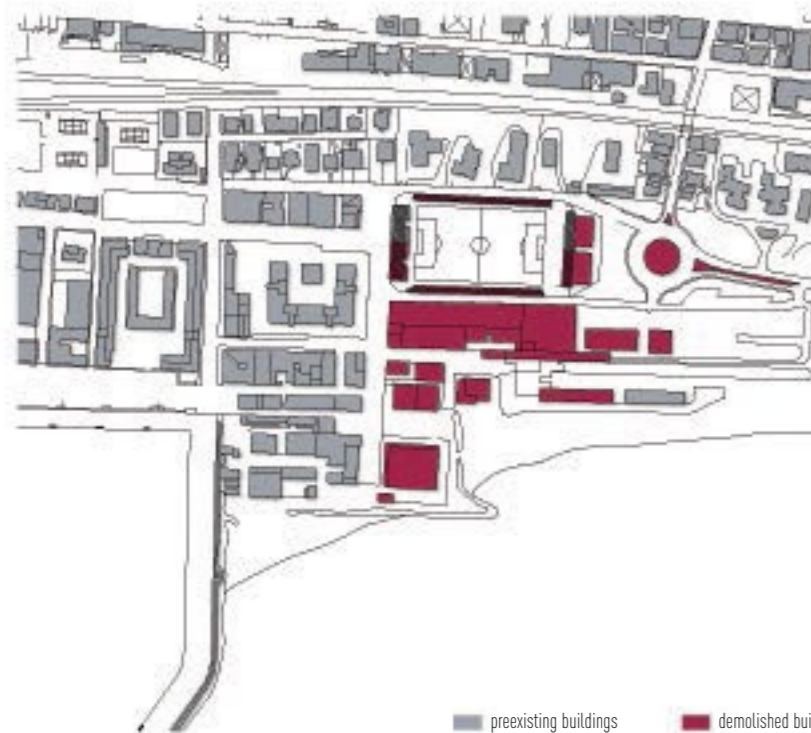
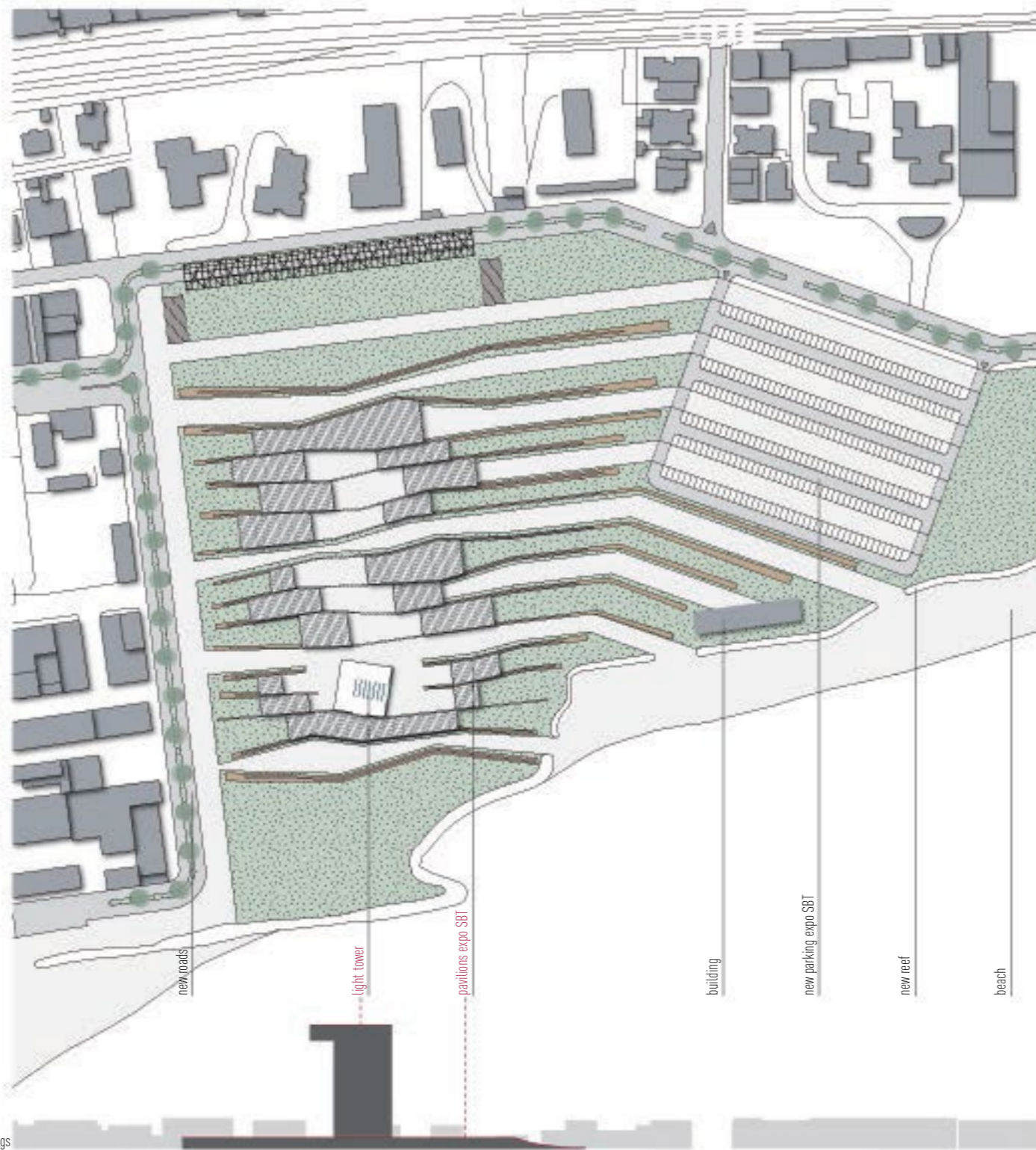
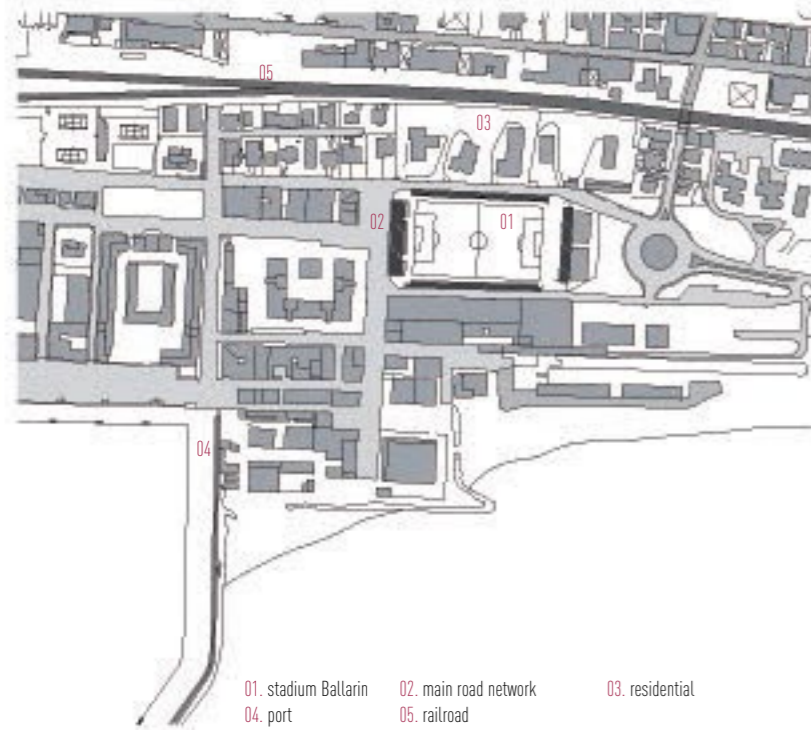
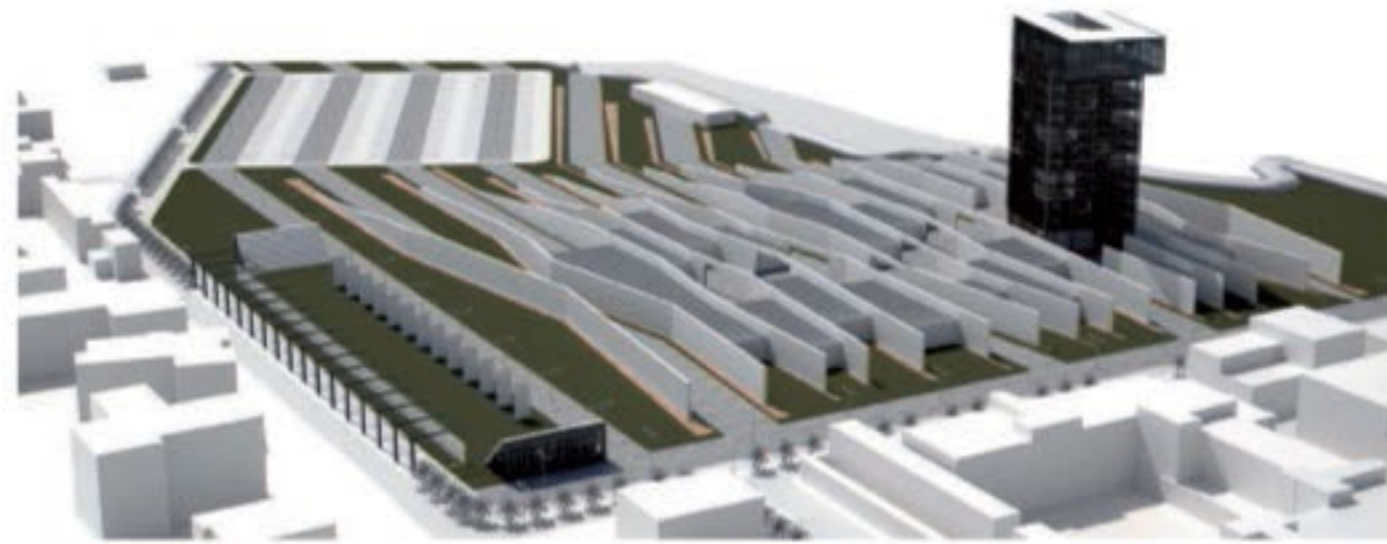


### Area

The area ex stadium F.Ballarín of San Benedetto del Tronto sets the goal of keeping the memory stage that has symbolic value for the city. One provides for the maintenance of the grandstand and steps north/south and dismantling of the east. The north roundabout will be replaced with ample parking and its pedo-road bike path and as entrance to the new fairgrounds expo.

### The project

The project is characterized by a movement seven of which incorporate the exhibition halls. Among these, there is a multi-use tower mixed, in which we find on the ground floor, a lobby input, restaurant and cafe. Into the upper floors there are offices, private residences with parking areas and relaxation, a foyer into the top floor, where there is an overhang of 10m a conference room.



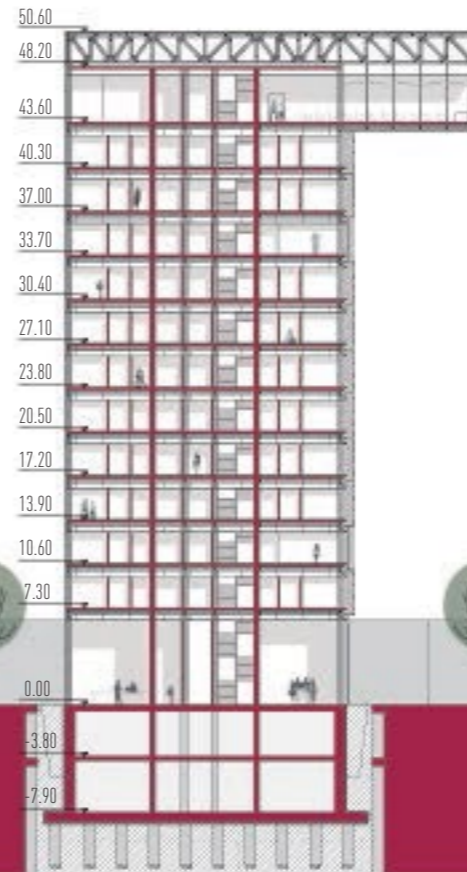
twelfth floor +43.60m (651 mq)

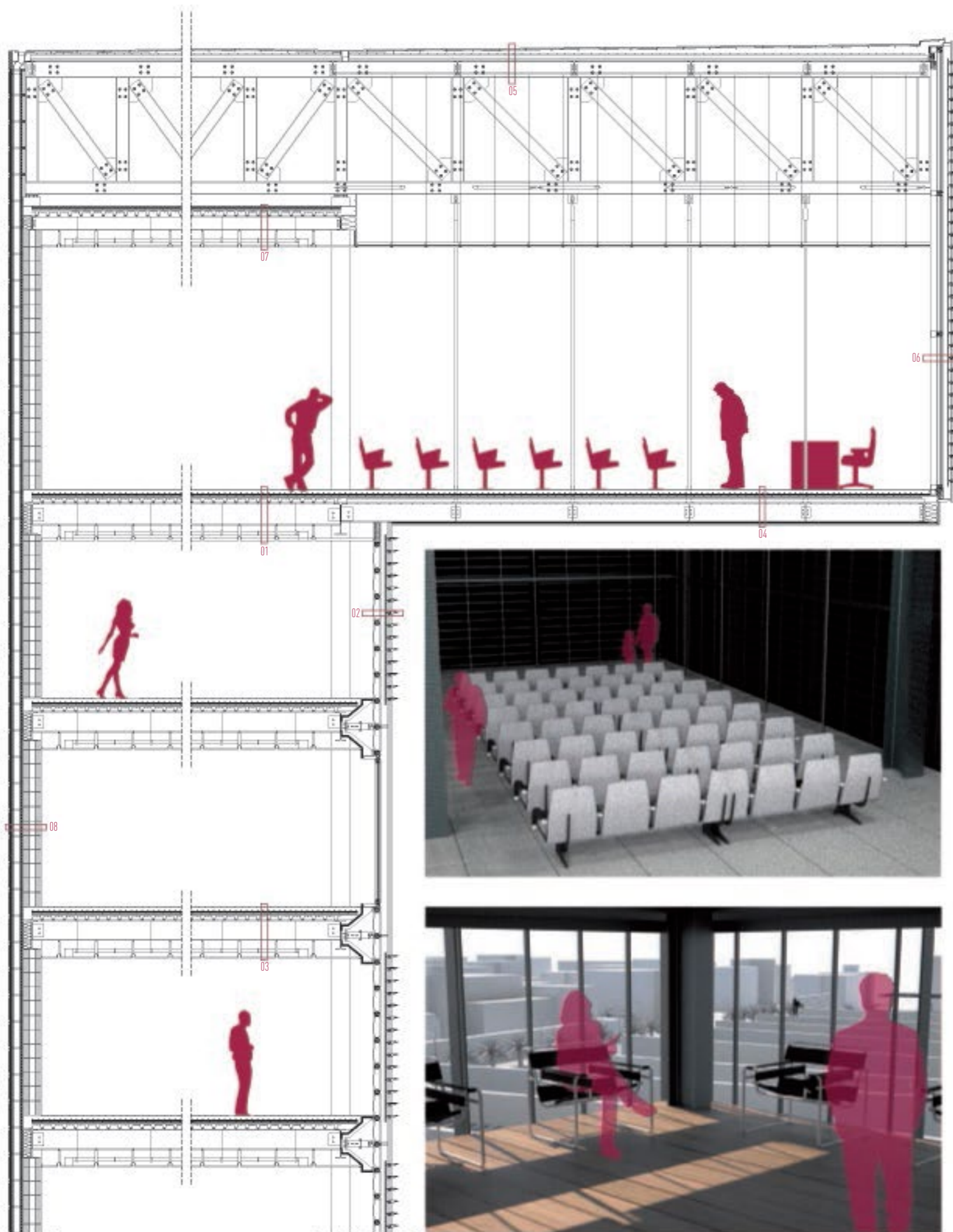


eighth floor +30.40m (441 mq)



green area





- DETAIL 01**

  - Pavement in stainless steel (size 50 x 50 cm thickness 9.5 mm)
  - Substrate (45 cm)
  - Floor Heating - Midi Composite pipe (diameter 14/18 mm)
  - Ecological insulation panel (25 mm)
  - Lightened up concrete slab (45 mm)
  - Electrowelded rete
  - Corrugated sheet Hi Bond type 75 A (L: 2.25 m thickness: 75 mm)
  - Secondary beam IPE 360
  - Interspace for plants (15cm)
  - Conduit for the recirculating air (diameter 10 cm)
  - Suspended ceiling of Ecophon Acces A panel (size 800 x 600 mm)
  
- DETAIL 02**

  - Brise Soleil Merlo HT Line 205: shading profile in perforated steel from 10mm (50 x 205 mm round section) incurred by aluminum supports
  - Glass brick Seves Glass Block model. Tailormade Q 42 (42.8 x 42.8 x 12 cm)
  
- DETAIL 03**

  - Parquet floor in Teac (step strips 15 x 15 cm\_ thickness 15 mm)
  - Substrate (45 cm)
  - Floor Heating - Midi Composite pipe (diameter 14/18 mm)
  - Ecological insulation panel (25 mm)
  - Lightened up concrete slab (45 mm)
  - Electrowelded rete
  - Corrugated sheet Hi Bond type 75 A (L: 2.25 m thickness: 75 mm)
  - Secondary beam IPE 330
  - Interspace for plants (15cm)
  - Conduit for the recirculating air (diameter 10 cm)
  - Suspended ceiling of Ecophon Acces A panel (size 800 x 600 mm)
  
- DETAIL 04**

  - Pavement in stainless steel (size 50 x 50 cm thickness 9.5 mm)
  - Substrate (45 cm)
  - Floor Heating - Midi Composite pipe (diameter 14/18 mm)
  - Ecological insulation panel (25 mm)
  - Lightened up concrete slab (45 mm)
  - Electrowelded rete
  - Corrugated sheet Hi Bond type 75 A (L: 2.25 m thickness: 75 mm)
  - Main beam IPE 330
  - Panel (Frontrock Max E), rigid mineral wool for thermal acoustic insulation (size 1000 x 600 mm thickness 60 mm)
  - Waterproofing sheath (5 mm)
  - Metallic coating with aluminum sheet
  
- DETAIL 05**

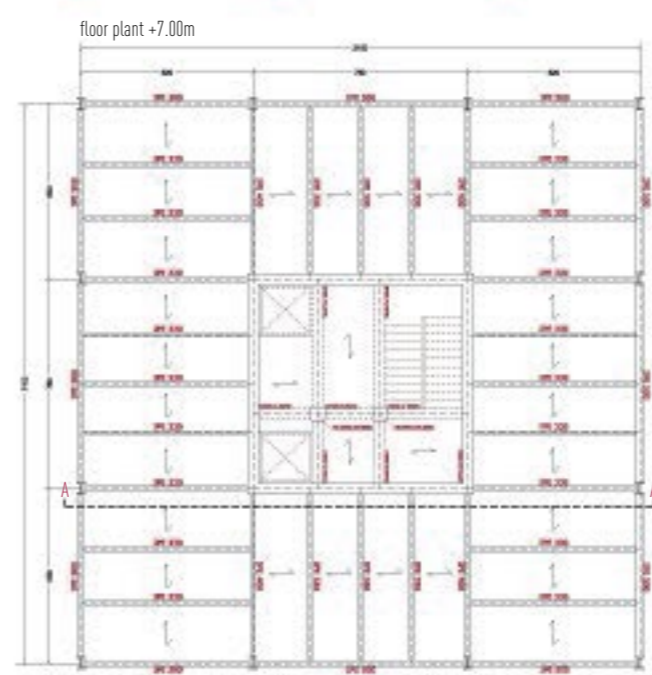
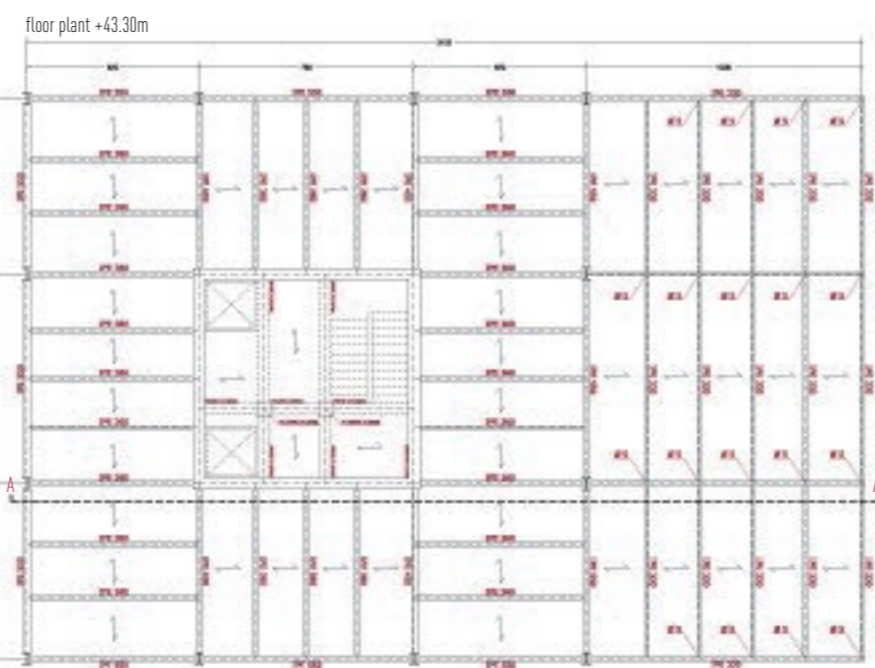
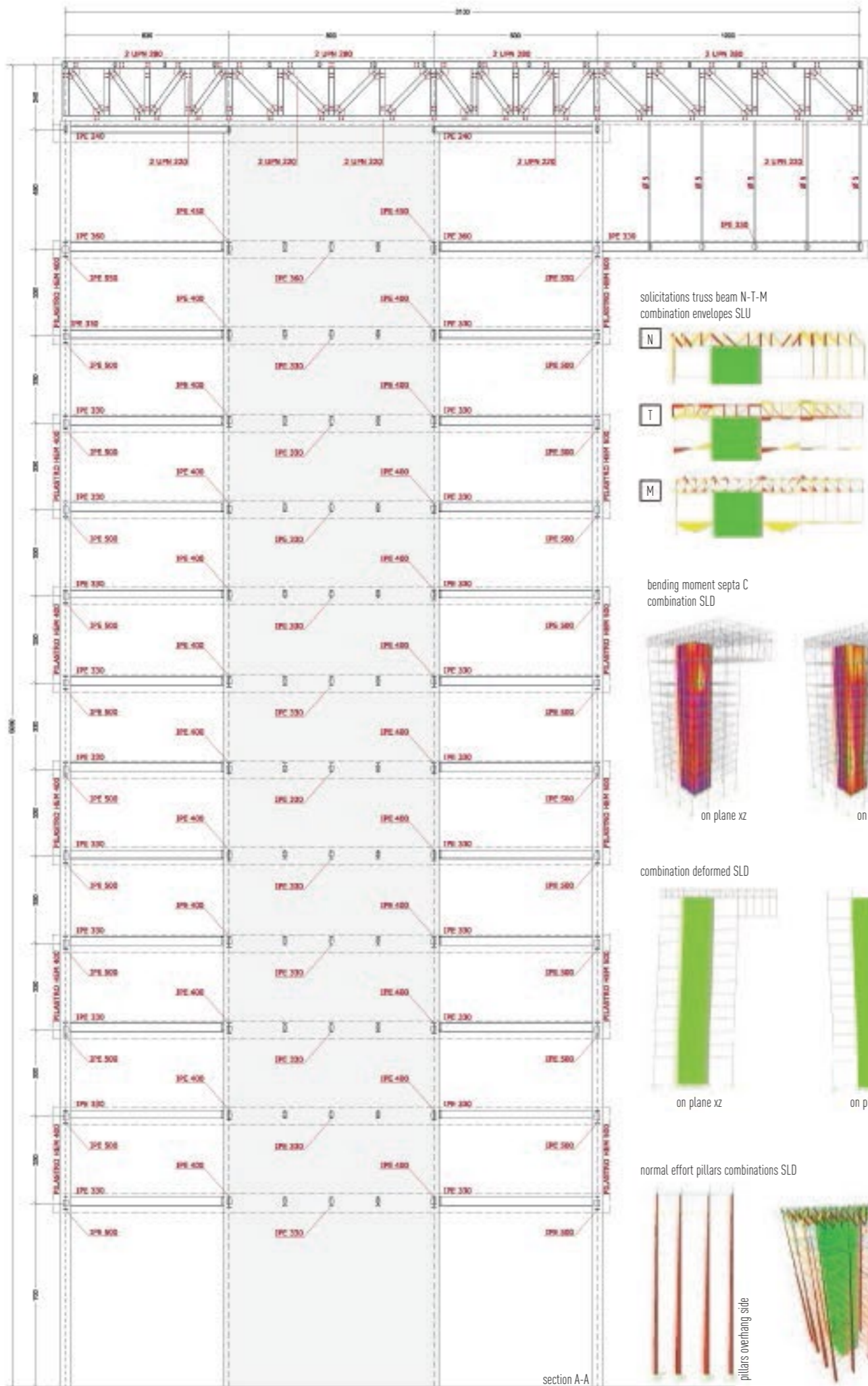
  - Prefabricated panels in Cls Lightened up (54 Piz Standard thickness 15 C mm 450 x 630)
  - Waterproofing sheath (5 mm)
  - Incline substrate in Cls
  - Sandwich Panel ALUTECH DACH with polyurethane foam insulation
  - Layer polycarbonate sheet
  
- DETAIL 06**

  - Brise Soleil Merlo HT Line 205: shading profile in perforated steel from 10mm (50 x 205 mm round section) incurred by aluminum supports
  - Saint Gobain Glass Plus \_Clima 4S 4/12/4 (thickness 20 mm)
  - Fixtures Schuco SFC 85
  
- DETAIL 07**

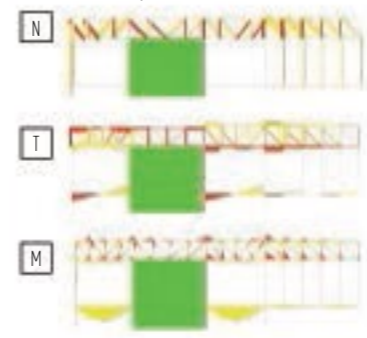
  - Waterproofing sheath (5 mm)
  - Panel (Frontrock Max E), rigid mineral wool for thermal acoustic insulation (size 1000 x 600 mm thickness 60 mm)
  - Lightened up concrete slab (45 mm)
  - Electrowelded rete
  - Corrugated sheet Hi Bond type 75 A (L: 2.25 m thickness: 75 mm)
  - Secondary beam IPE 240
  - Interspace for plants (15cm)
  - Conduit for the recirculating air (diameter 10 cm)
  - Suspended ceiling of Ecophon Acces A panel (size 800 x 600 mm)
  
- DETAIL 08**

  - Prefabricated panels in Cls Lightened up (54 Piz Standard thickness 15 C mm 450 x 630)
  - Pluvial in the wall (thickness 12 cm)
  - Leca block Bioclima 38\_ manufactured in light concrete with expanded clay (3 x 20 x 25 cm)
  - Pillar HEM 400
  - Conventional plaster of 15 mm

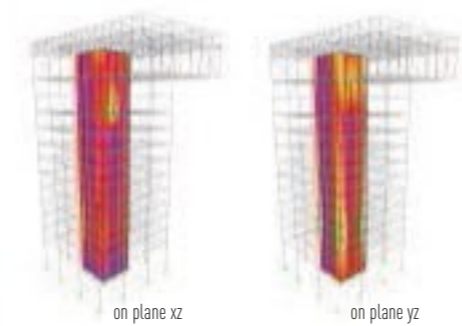




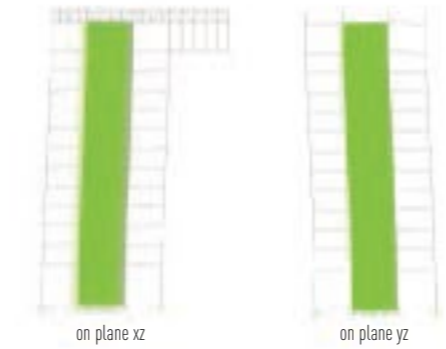
solicitations truss beam N-T-M combination envelopes SLU



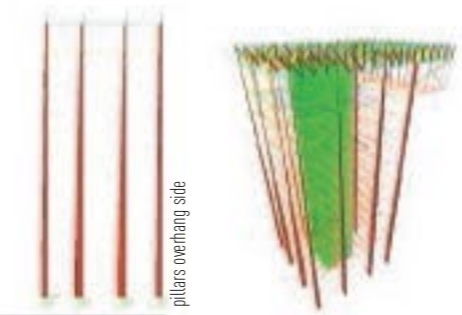
bending moment septa C combination SLD



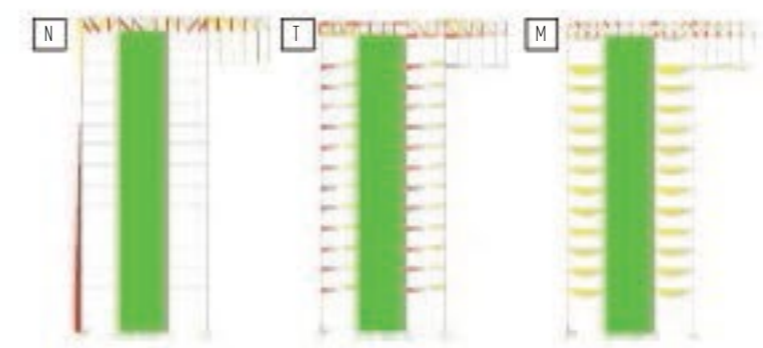
combination deformed SLD



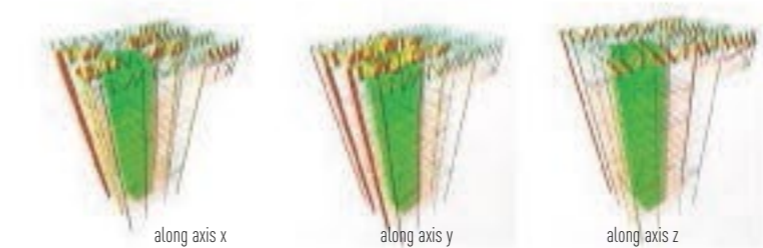
normal effort pillars combinations SLD

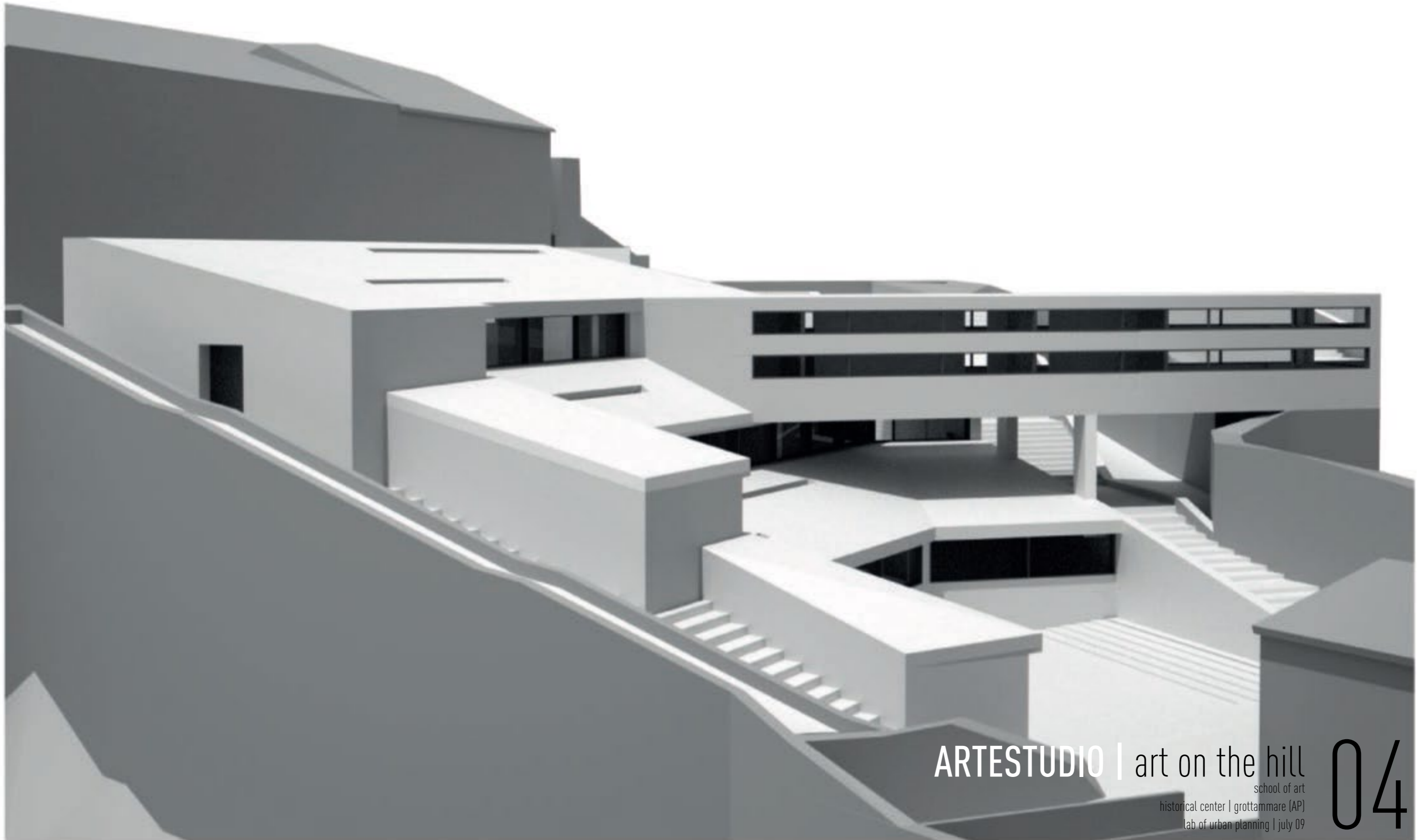


solicitations building N-T-M combination envelopes SLU



vibration modes of the structure





ARTESTUDIO | art on the hill

school of art  
historical center | grottammare (AP)  
lab of urban planning | july 09

04

## An art school in Grottammare

The project wants to resolve the issue of the design process in a historical center. A center for the most part defined, both from the point of view of the urban from the point of view of the housing stock.

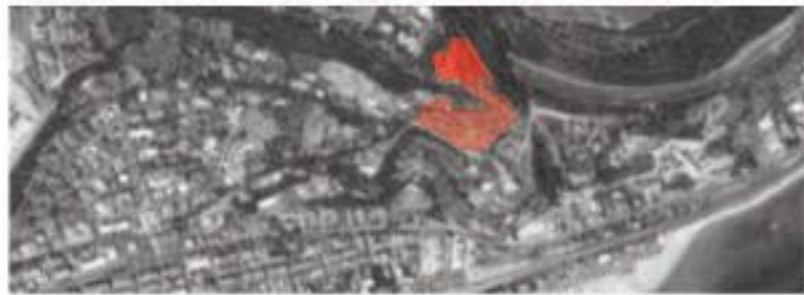
A center, however, that in some points remains incomplete, "gaping", somehow unfinished.

The theme of the Historical Center as the project site, in the case chose the Castle of Grottammare, allows an exercise in reading a place to identify the "character", discover the "signs" of its construction, understand the meaning of his form. A careful reading, essentially pre-project analysis, allows to decipher the "geography" of the place and with it retrace its construction, over time, of that place.

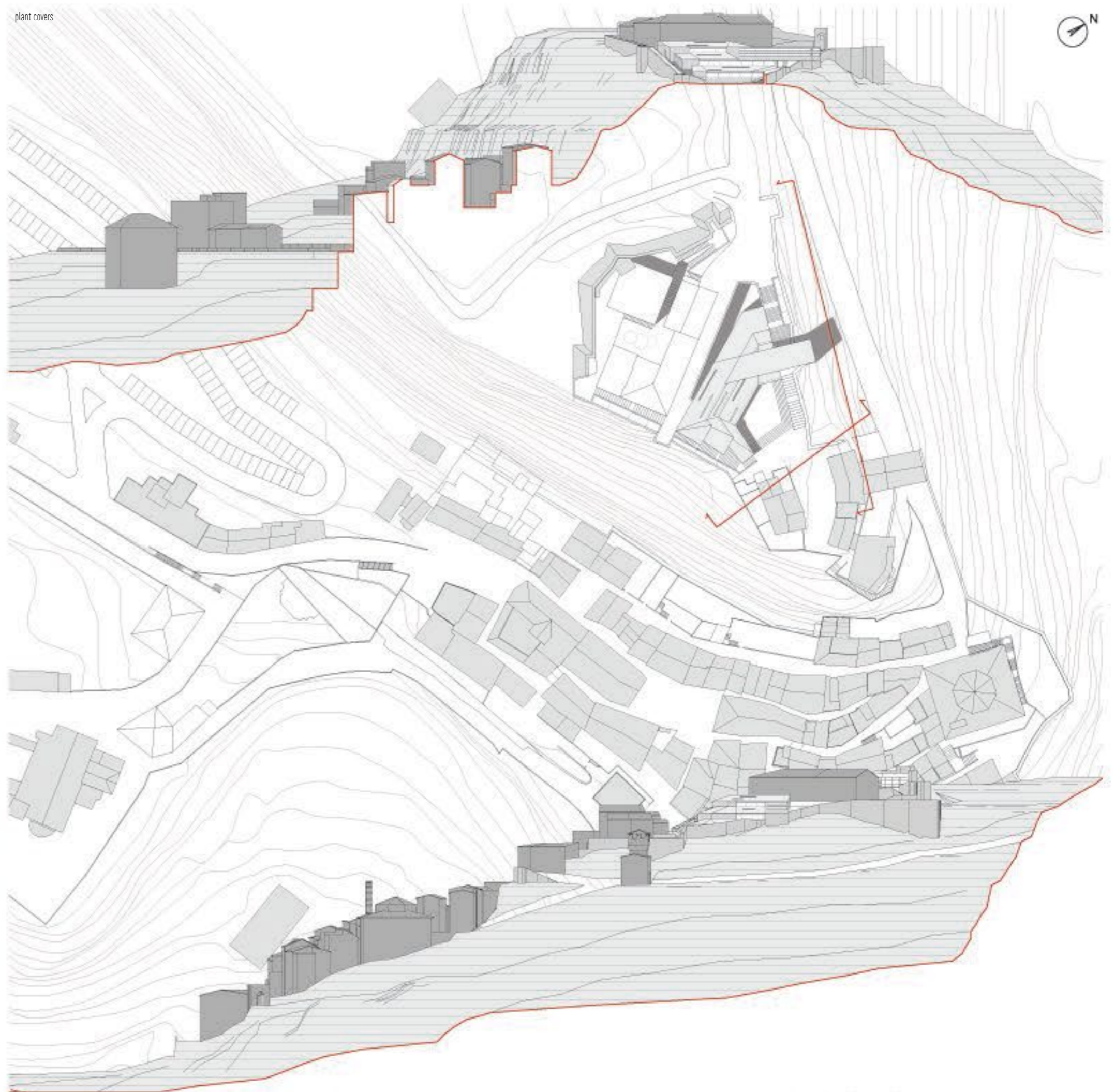
The project will concern the upper part of Grottammare, the part of the Castle: will be observed its margins, its tracks, its walls present and / or only readable remains more or less consistent, the "full" (the buildings) and the "gaps" (the outdoor spaces of relation) once occupied in multiple ways.

The margins and empty will be parts that will allow 'the redefinition of this part of the "Village"'. In this place will be built a school of art in tribute to a great artist of Grottammare: Pericle Fazzini

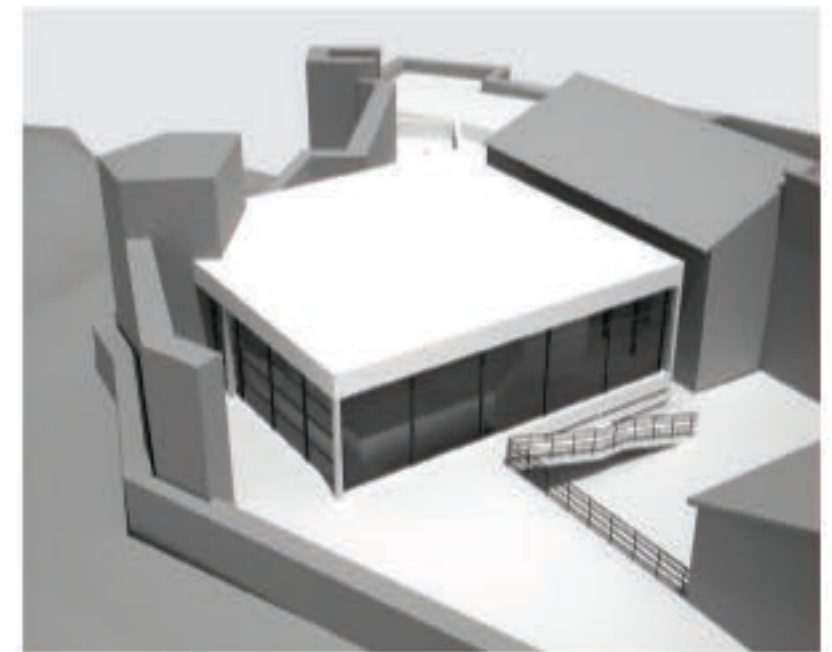
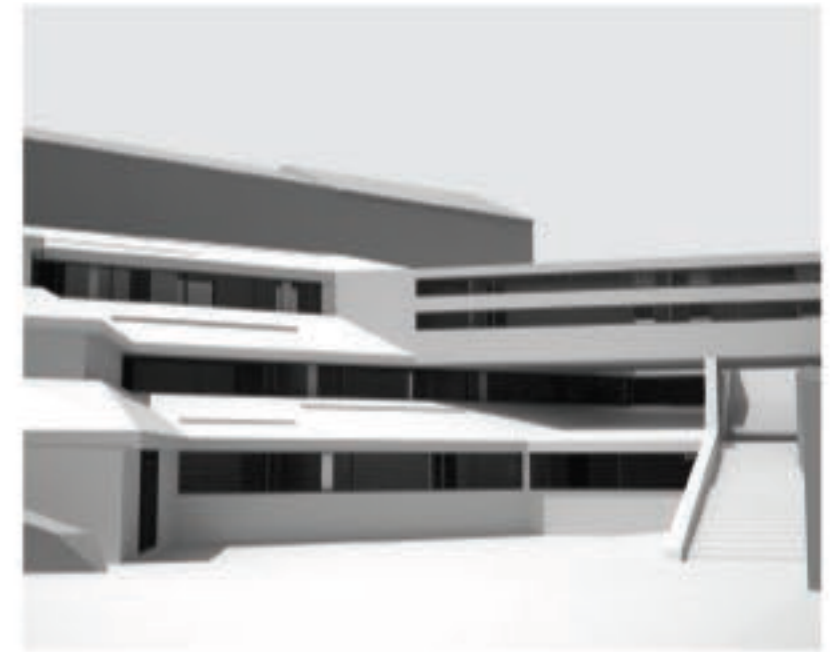
territorial framework

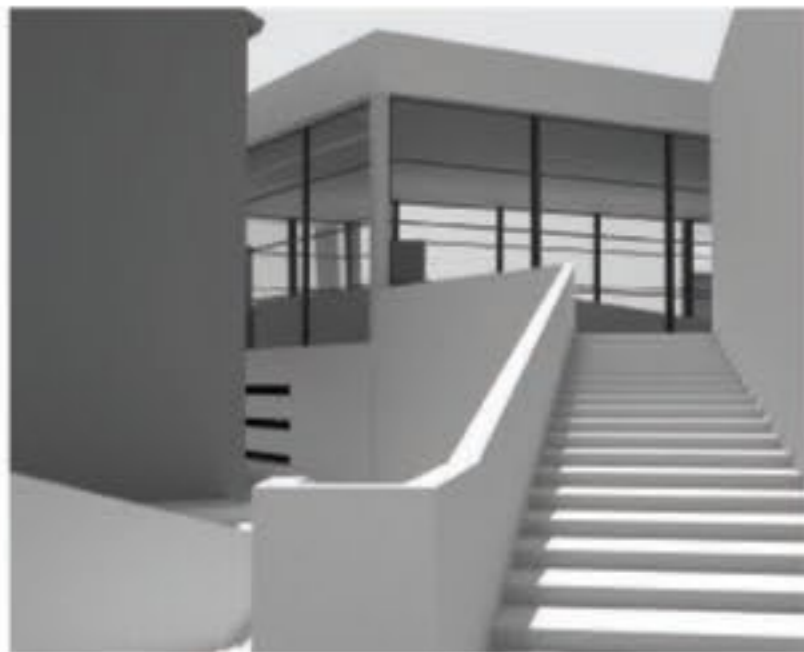
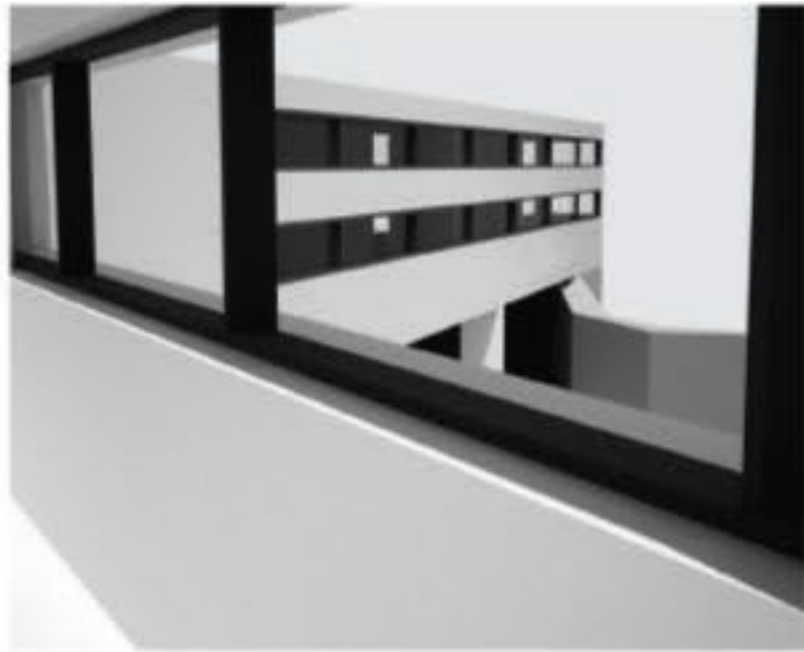


plant covers

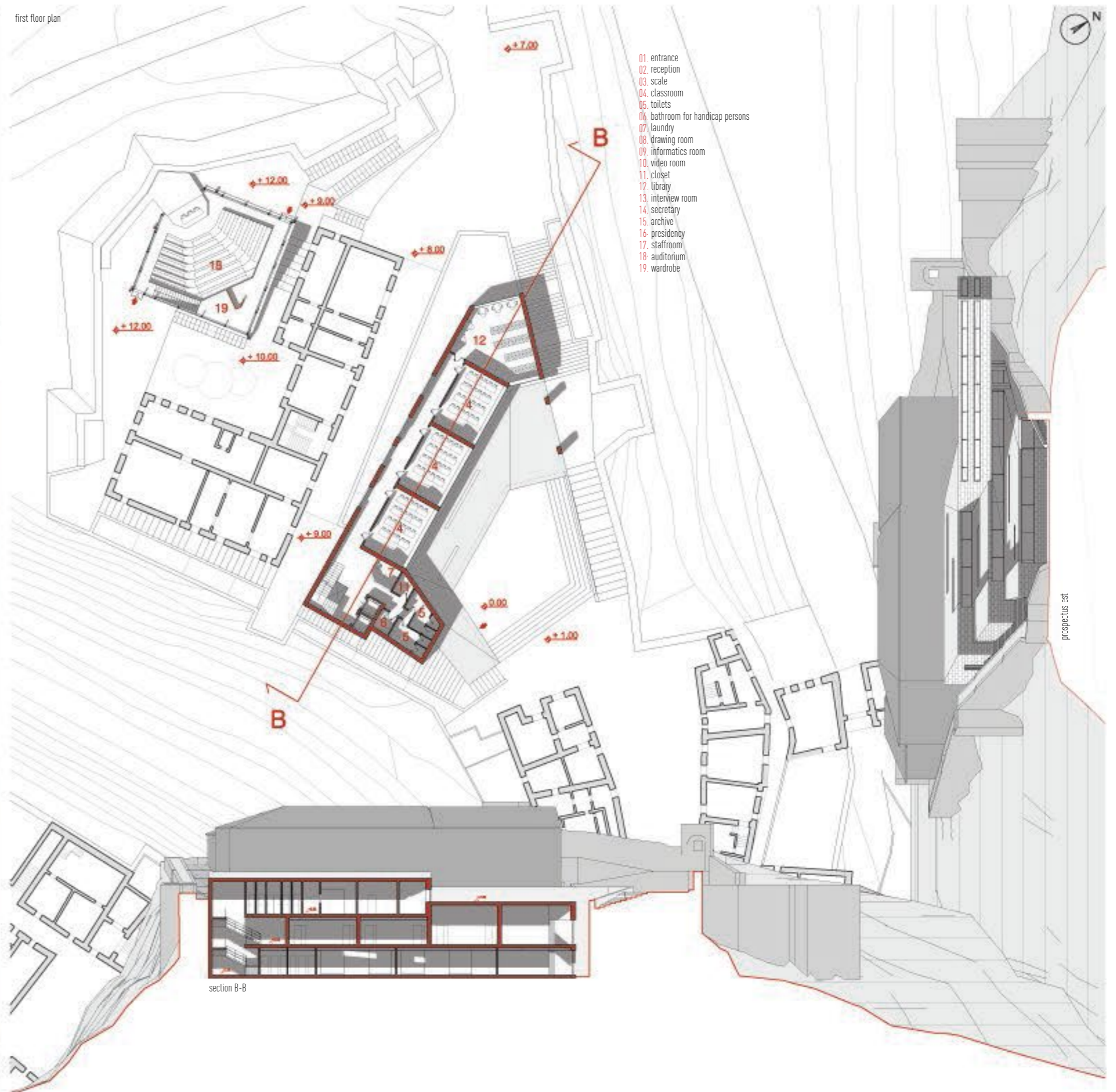


ground floor plan

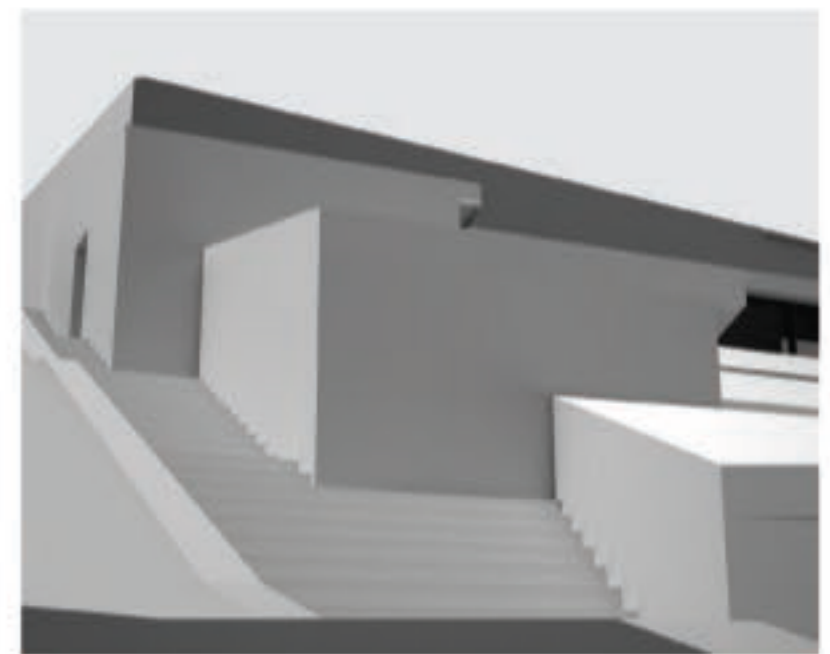
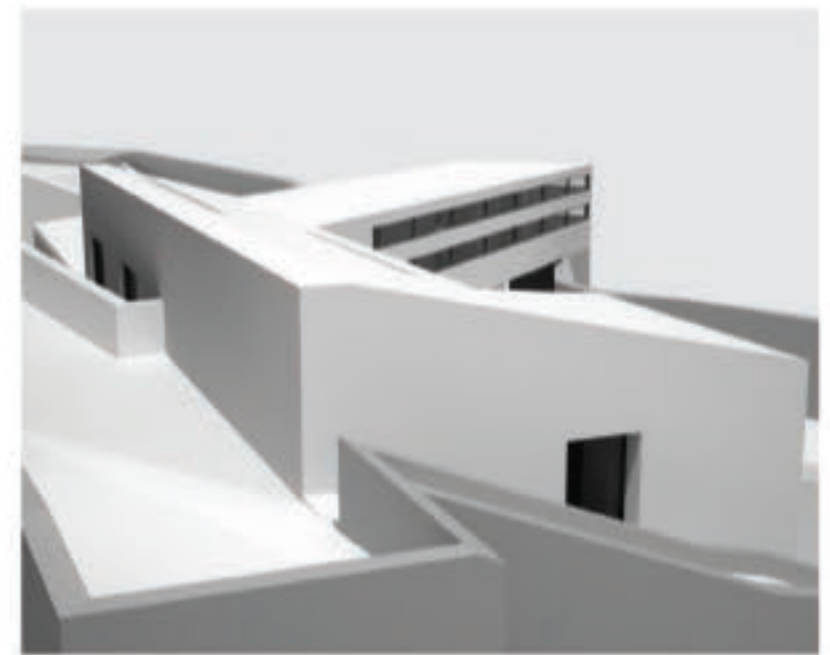
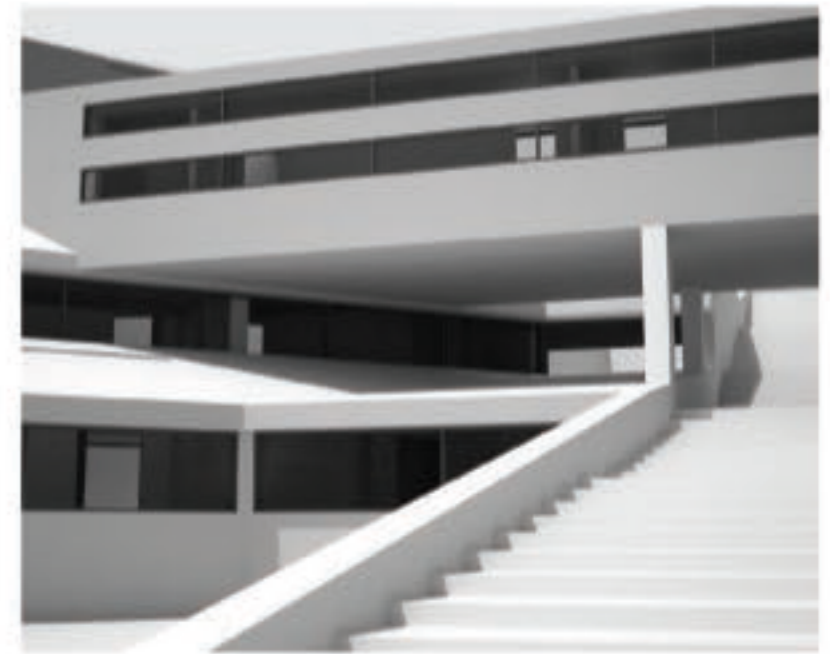
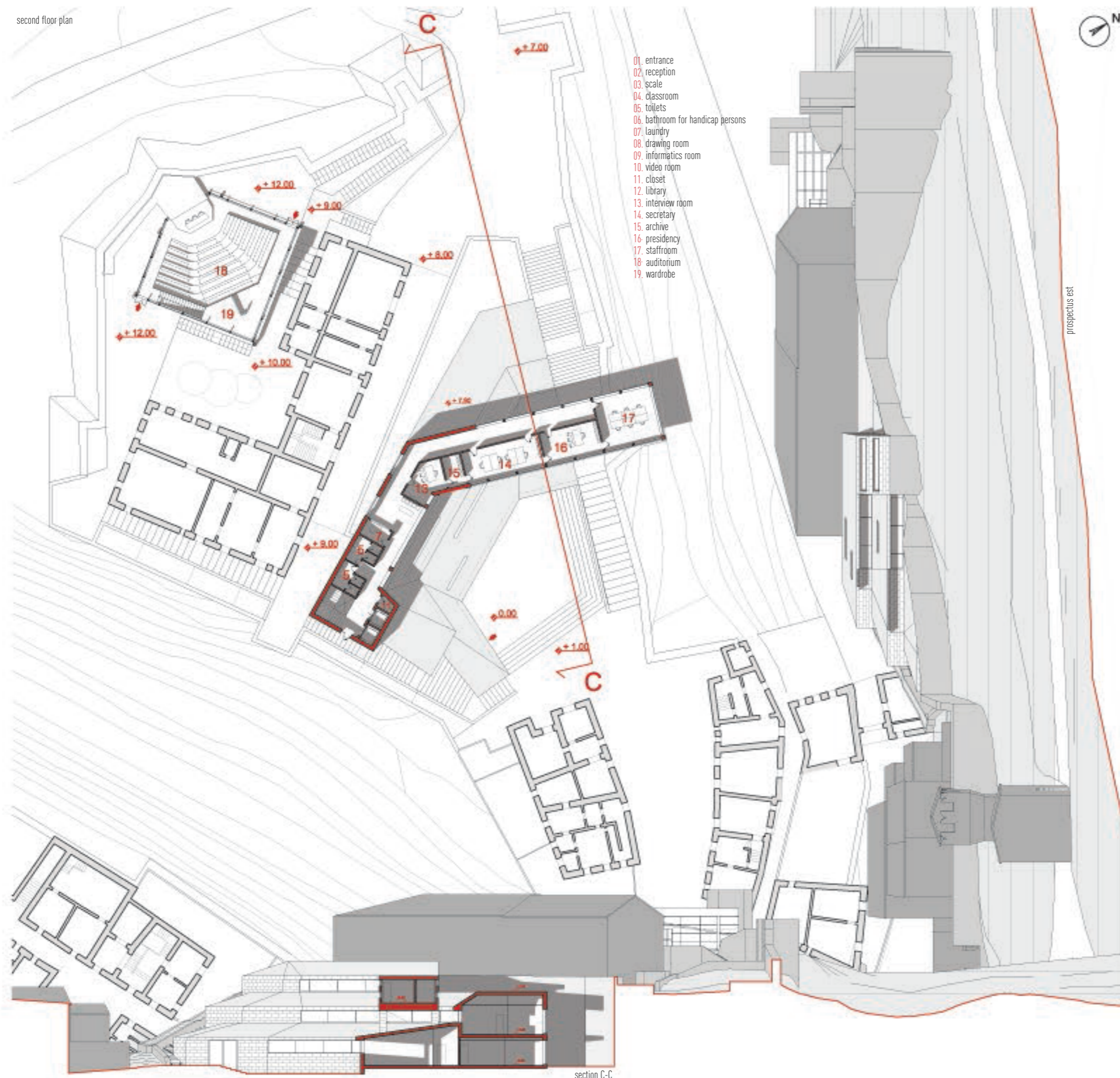


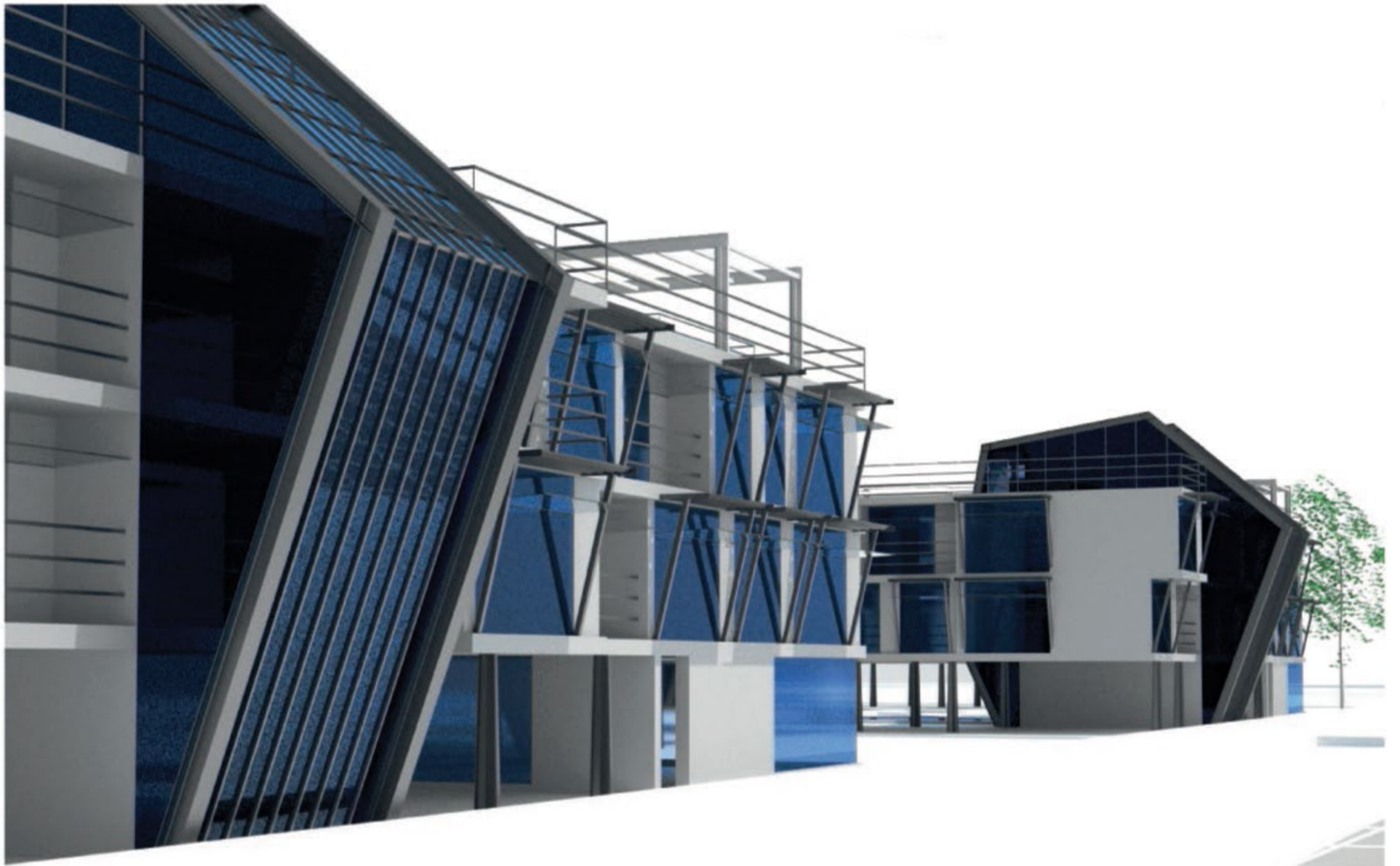


first floor plan









CLIMALIFE | green suburb on the river

multifunctional suburb  
loc. monticelli | ascolo piceno (AP)  
lab of environmental planning | march 09

The idea of a green suburb on the river Tronto in the district of Monticelli involves the creation of a tripartite settlement: buildings jutting out over the river for public use and receptive, residential buildings raised at court, shared facilities, with height maximum of three floors, multi-storey buildings with offices in destination.

The connecting elements of these are based on the passive in operation, the use of the prevailing winds in summer for cooling (affixed pools of running water), to a large presence of green shrubby, arboreal and decking. The winds prevailing affect the website by drawing the grid that defines it. The solar radiation is captured and shielded by a special wall (south) constituted by a sequence of logic elements.

The central axis is crossed (underground) from a metro system, in the site you are driving only with environmentally friendly means (bicycles, eco-kart).

### Urban strategies

The design of the Masterplan comes from the study of the prevailing winds in summer: the division of the site into a grid (consisting of form 3x3) optimizes access of the winds from the northeast in the hottest period of the year. These, by the water spray, cools the microclimate of the residences. Within the site runs only with bio-compatible means: an underground tram system carrying the persons from one end to the other, starting from a parking lot where you can leave private means are allocated and where the electric karts. There are cycle paths, pedestrian and river.

The "Quarter Green River Tronto" provides for three types of construction: residential courtyards for 800 people and services for residents, three towers for offices and public receptive overhangs the river.

### Building strategies and typological

The towers and the courts are designed for maximum solar access during cold periods, in the sides east, south and west (especially observing the section n / s of the towers) to heat passively. In summer special passive obscure the direct radiation. The covers of the courts provide systems pergolas (that vary from court to court) warps on the cruciform pillars. The treatment coverage of these is discretionary, depending on the residents (rows always green, beach towels, solar panels). The pergola is a reference to the Italian building tradition. Planimetrically the residences vary according to hosting two, three, four or five residents; vary the plant and facade with bay windows, balconies, projecting elements and falling enlivening the whole.

### Technology strategies

The glass parts are shielded by a dual system whose operation is different in summer and winter. Photovoltaic panels in summer shield the whole window; in winter are arranged parallel to sunlight (the inclination varies depending on the period) and by means of a rotating panel glass (which disappears in summer) high reflectance, the rays are turned in the apartment to get a higher gain (deeper).

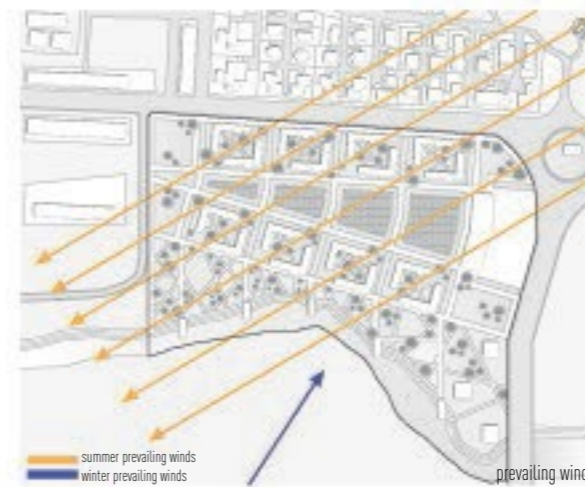
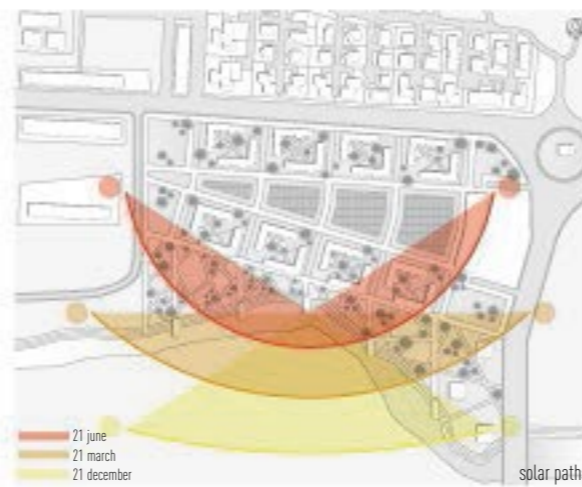
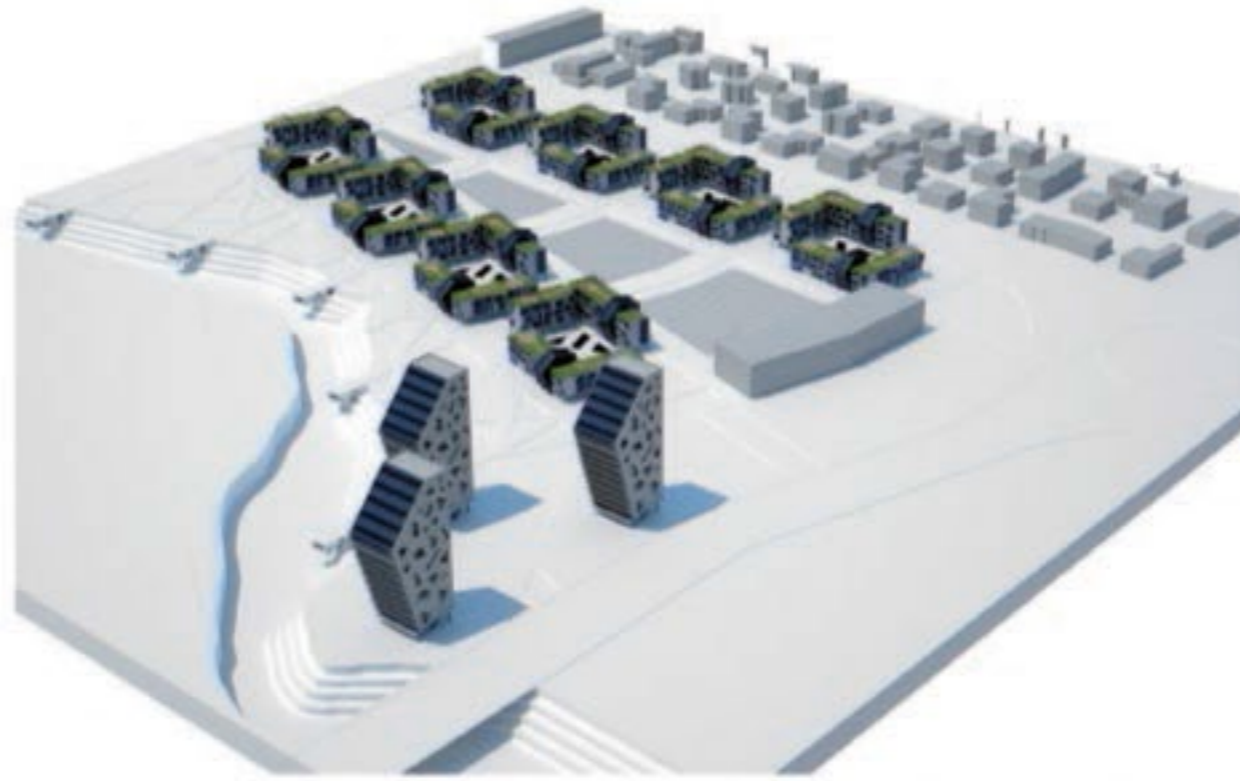
All packages (plan, walls, roof) are studied to obtain a low transmittance (Class D) is also valid in 2010.

Much space to the use of biocompatible materials, Eraclit, Celenit. All have a double glazing glass 4,12,4 mm. The buildings are equipped with underfloor heating radial, internal coils heat the water up to a level of 2.20 m, limiting the dispersions of the radiators. The floors are all designed according to the function: to let the air circulation grilles and lighting within the path of the subway, non-reflective floors inside buildings, green flooring in areas of fringe.

### Architectural strategies

The free floor (with the exception of services) is identified by pillars, cruciform, left exposed. The cruciform pillar is tapered, recalls the model used by Mies Van Der Rohe in the Neue Nationalgalerie.

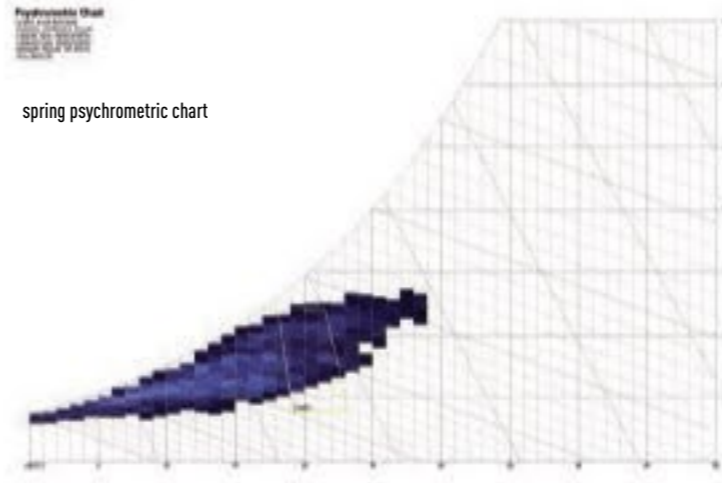
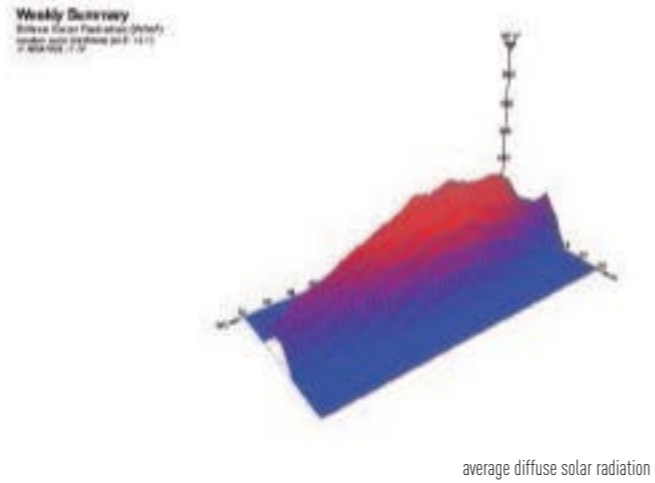
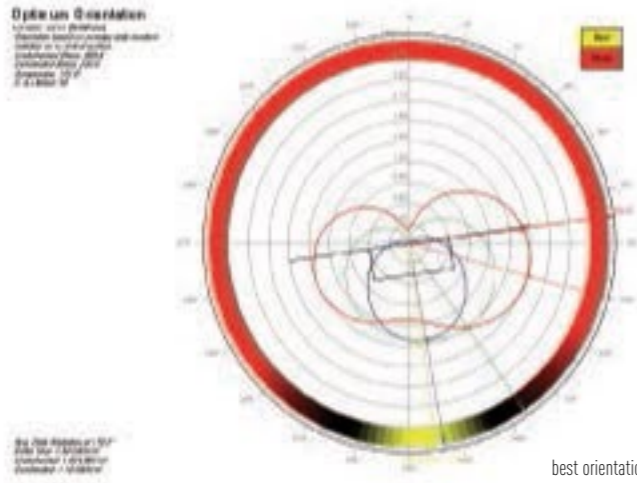
The windows on the balcony distribution to each paino, in the towers, always vary between form triangles and quadrilaterals, featuring the design of the facades north / east and north / west facades that differ from the south / east and south / west.



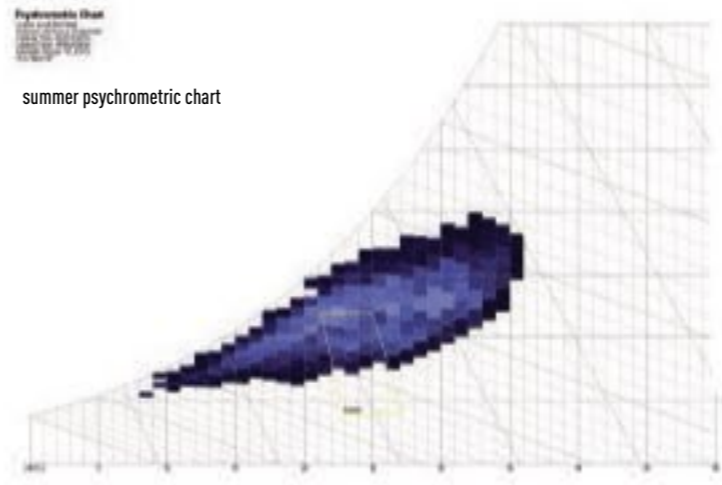
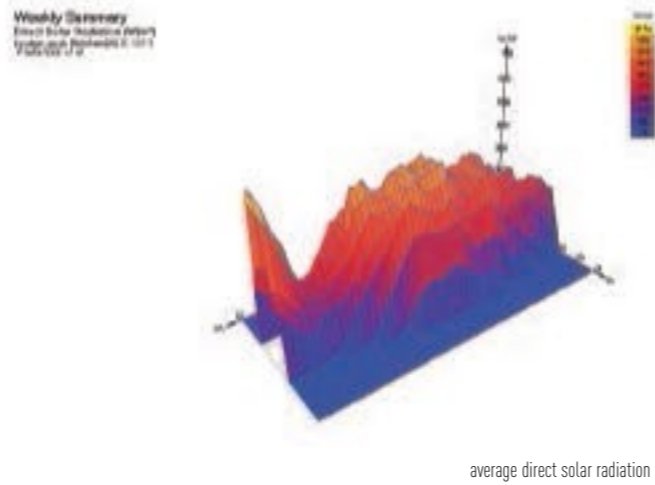
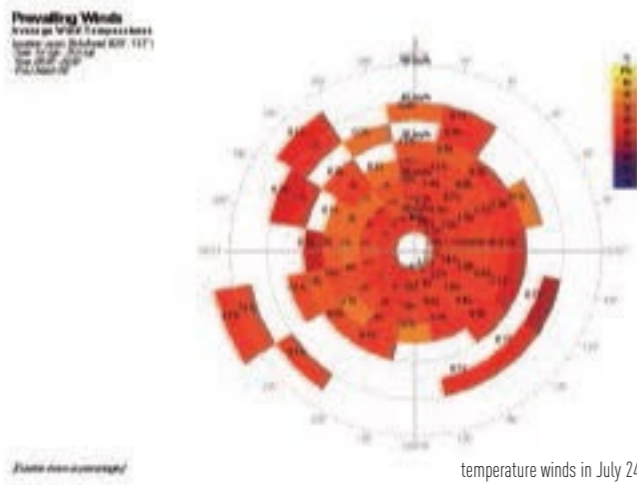
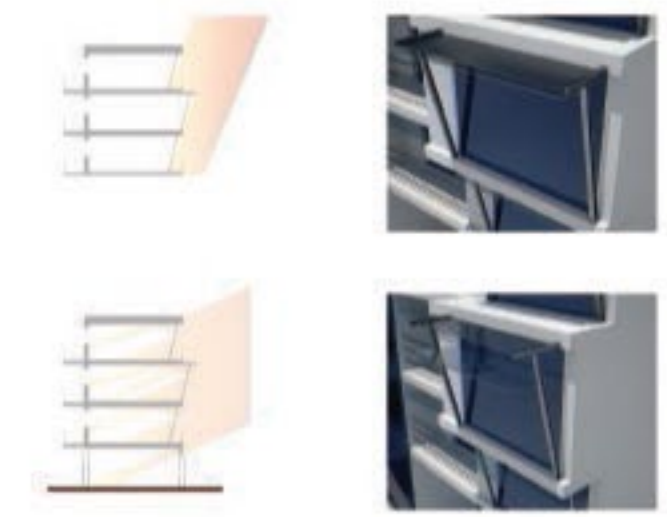
residential building in court

multi office building

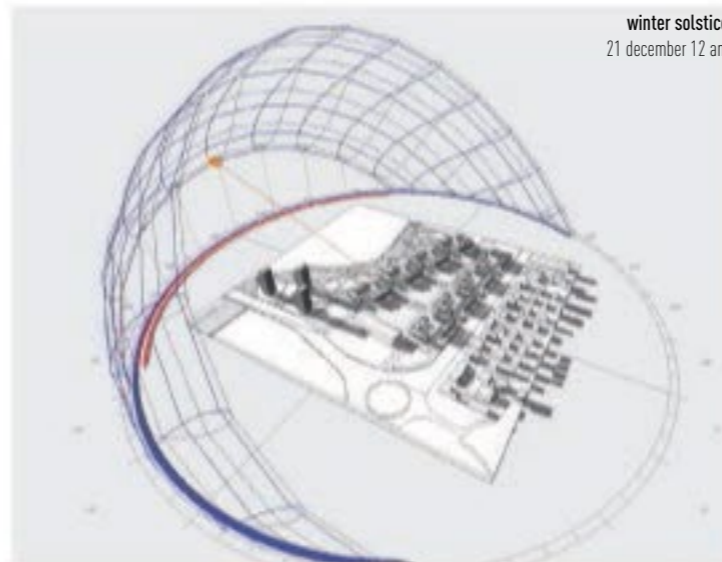
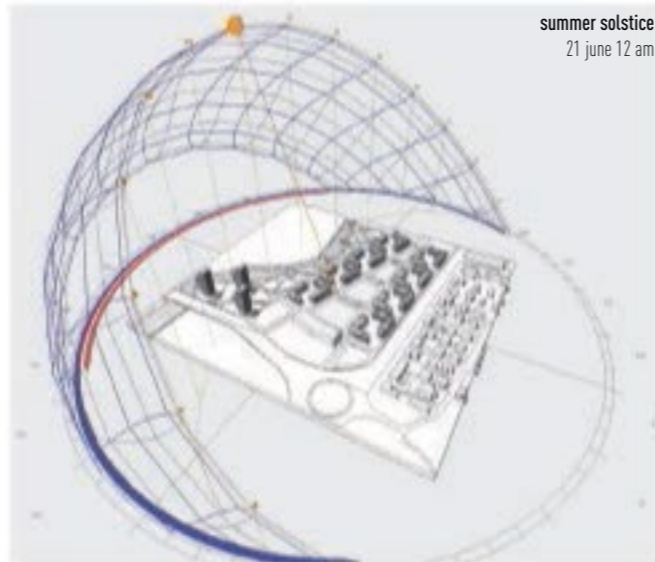
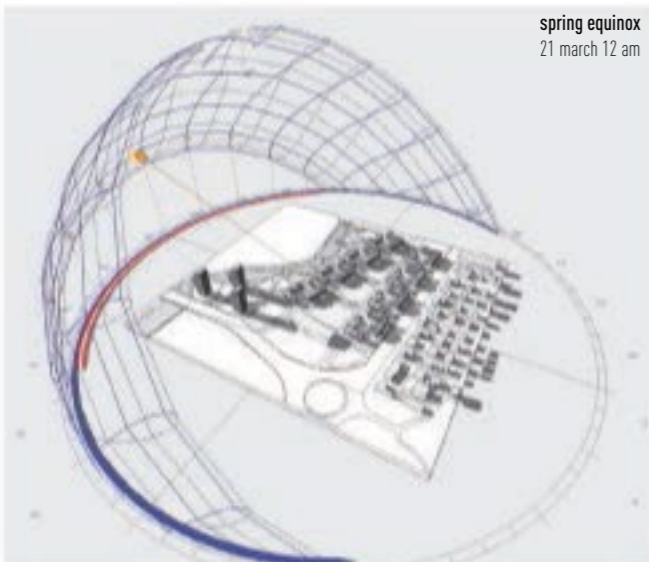
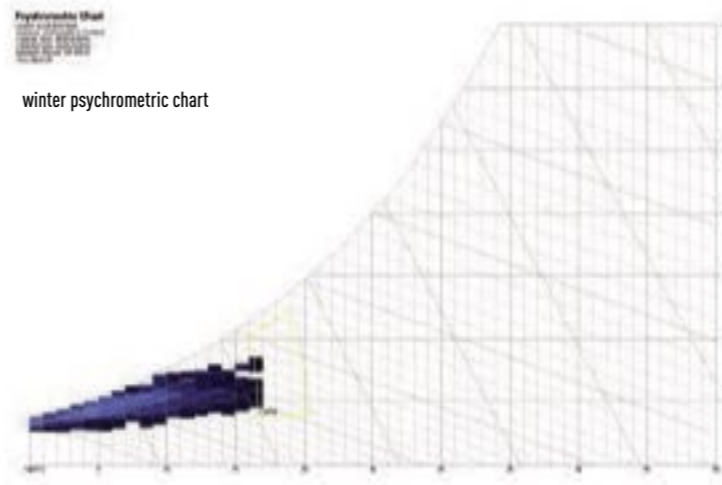
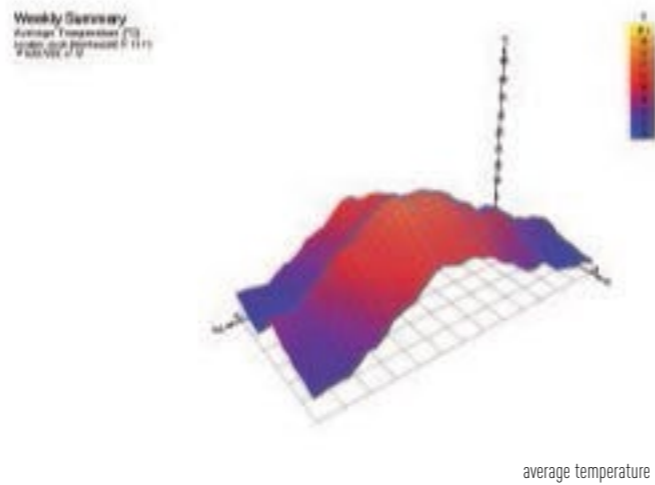
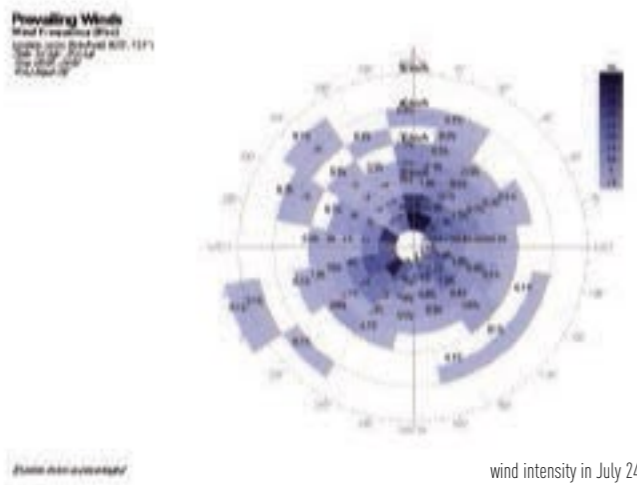
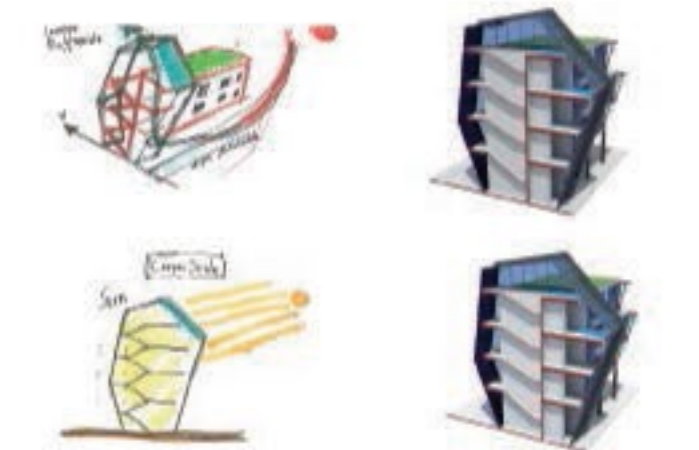
overhanging building over the river



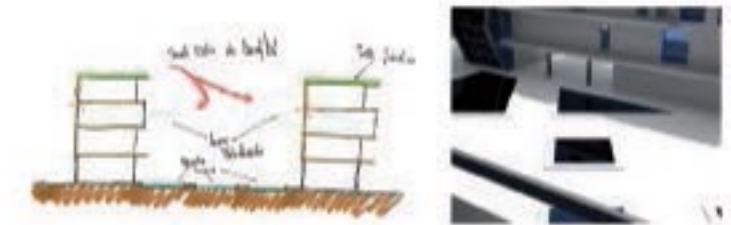
**Winter and summer sunscreen system**  
 The study of the facades exposed, trends and technologies of solar passive shielding combine to give an answer to a question double: to allow deep access of light and radiation in winter, allow access of light and shielding from the radiation in the summer period. All this through a system that provides a shield in the summer through shading overhangs and mechanical schuco (with an area photovoltaic for self power).  
 In winter the slats are arranged parallel to the rays (with a minimum azimuthal angle of 24 °) leaving filter inside the buildings; to send in depth and create a gaming released a glazed panel to gain high reflectance moves vertically along a guide, horizontally by means of two rotors which also allow a tilt along the main axis.  
 Everything generates a diffusion depth of light radiation, a uniform level of diffusion within housing prevents the effects dell'abbagliamenti visual and generates the visual introspection. in our project system can feed itself through the photovoltaic place on sunscreen schuco.

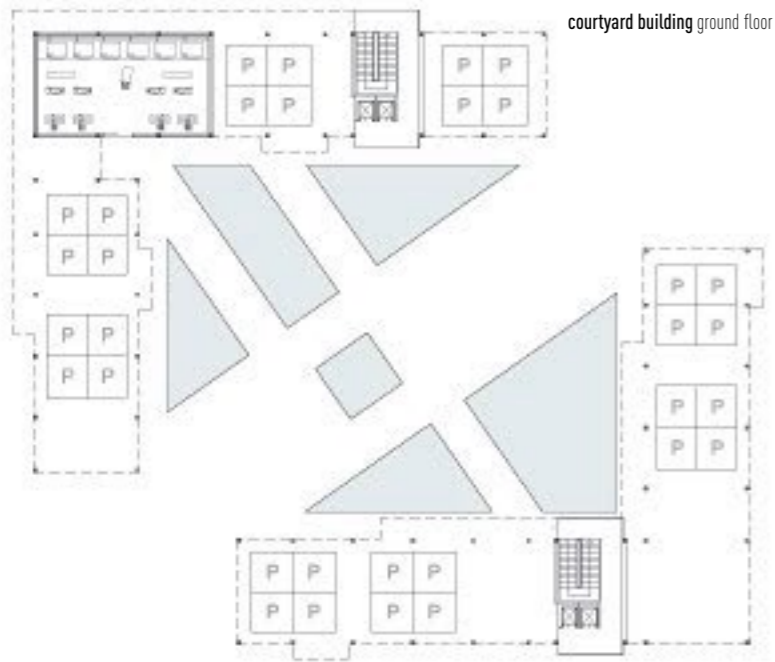


**Solar greenhouse winter and summer**  
 The greenhouse is an capturing that bases its operation on the so-called 'greenhouse effect', such as the phenomenon overheating in the confined space exposed to direct sunlight. The accumulation of heat is explained by the fact that the incident rays heat up the surfaces that intercept them transforming the solar radiation into heat. In this new form the thermal energy is not capable, such as solar, to cross backwards the glass and remains trapped inside, being able to disperse only through conductive phenomena. This phenomenon can be used to produce heat in the winter. The design means that the roof is covered with photovoltaic panels and the lower inclined differently but capte solar radiation in winter. In summer, the greenhouse is opened at the bottom and at the top: the hollow spaces between the floors and these favor the formation of convective paths of cool air through the water spray in the courts. The photovoltaic panels work equally.



**Passive cooling**  
 In the "green suburb on the river Tronto" the microclimate around eight residential buildings is passively subject to court through the use of water spray from pools (at grade) below. This water spray is transported into the court and in the homes by summer prevailing winds that blow from the north / east, the design of the site is made so that they channel in various courts. The apertures placed along the north / south axis of the buildings allow the formation of a path of air through the same.

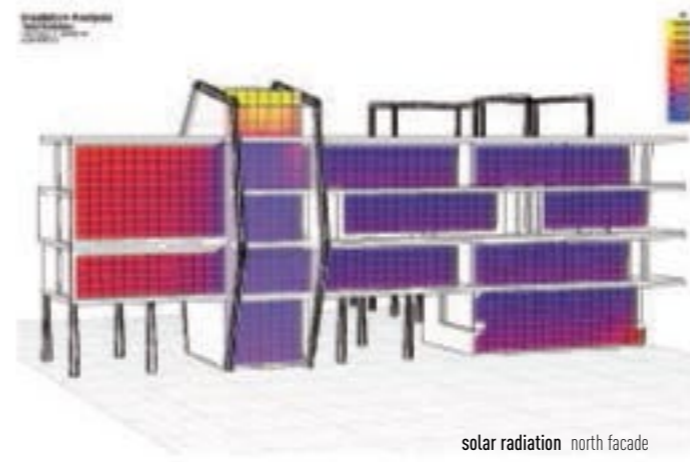




courtyard building ground floor



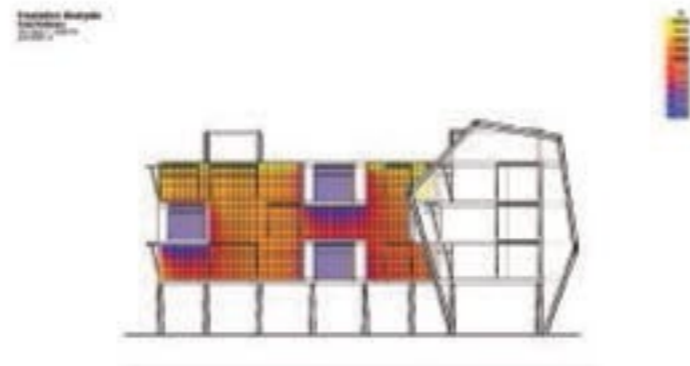
solar radiation west facade



solar radiation north facade



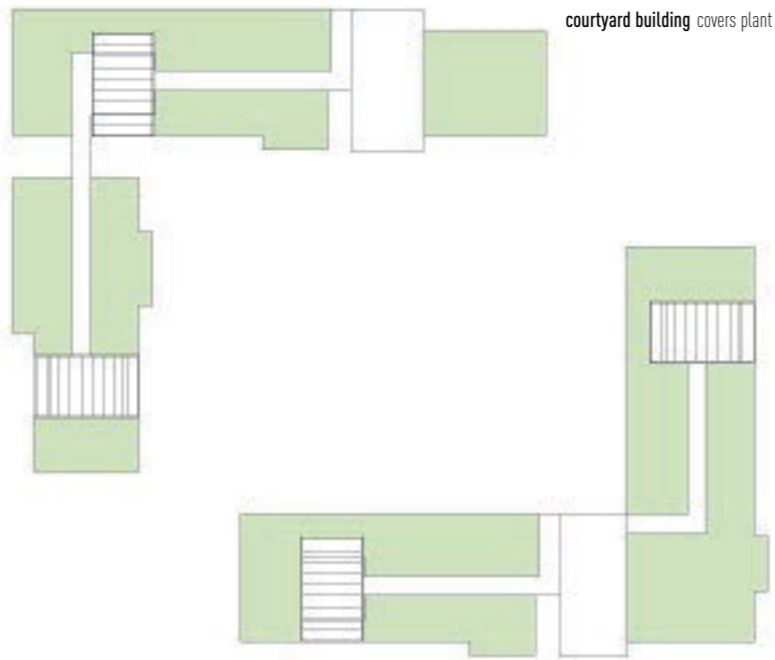
courtyard building first floor



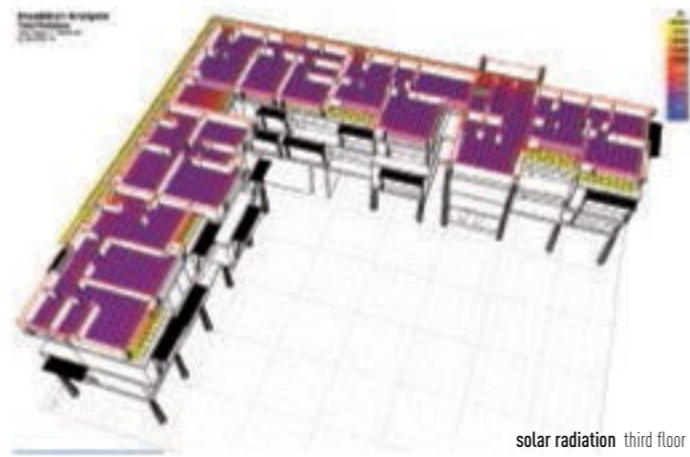
solar radiation east facade



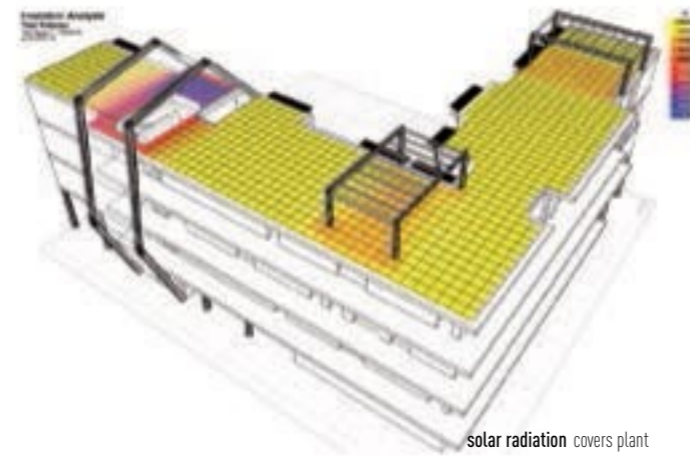
solar radiation south facade



courtyard building covers plant



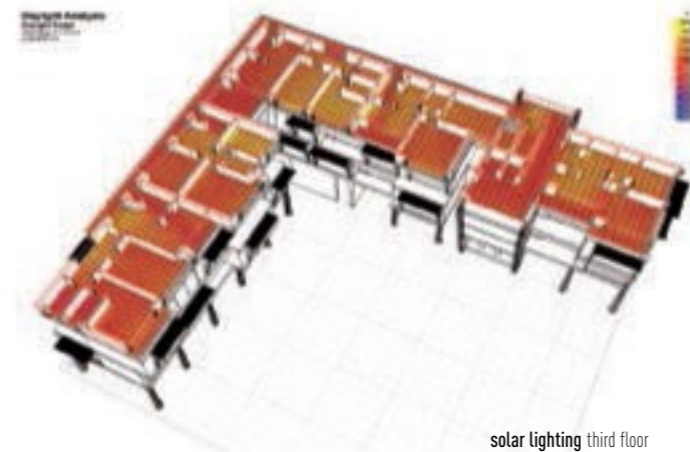
solar radiation third floor



solar radiation covers plant

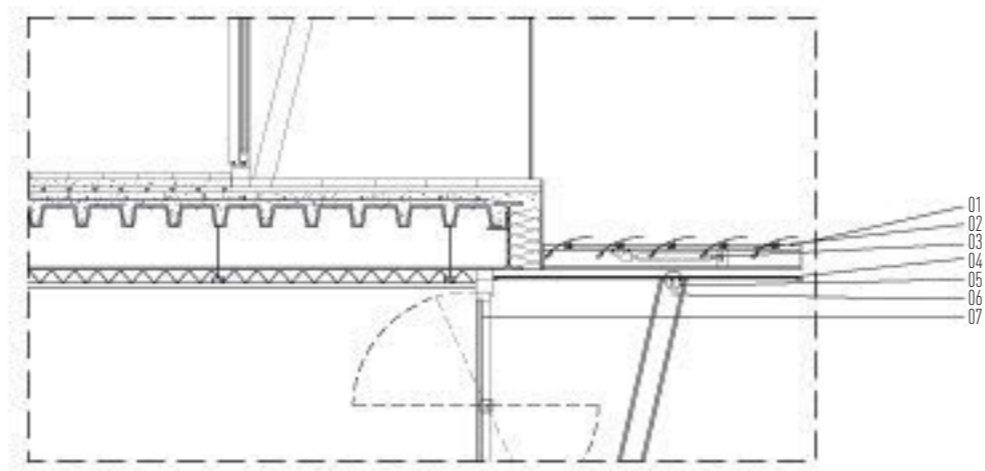
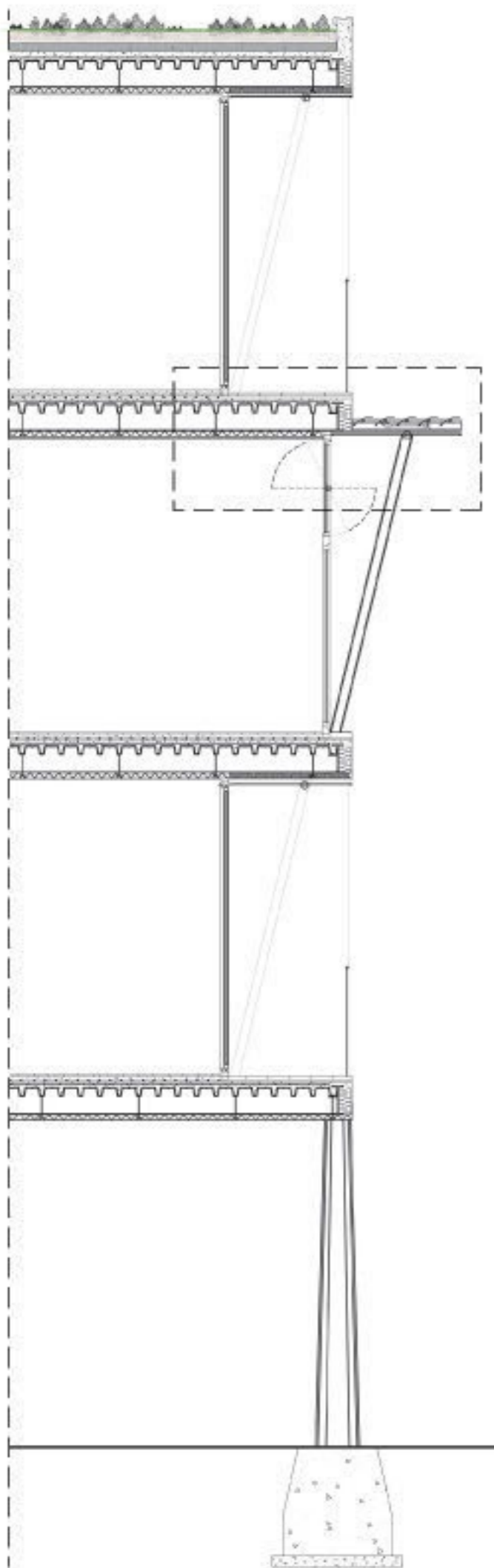


solar lighting first floor



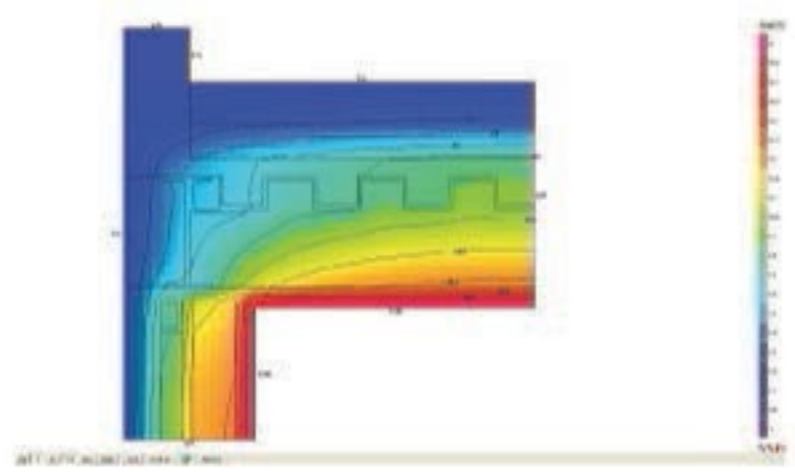
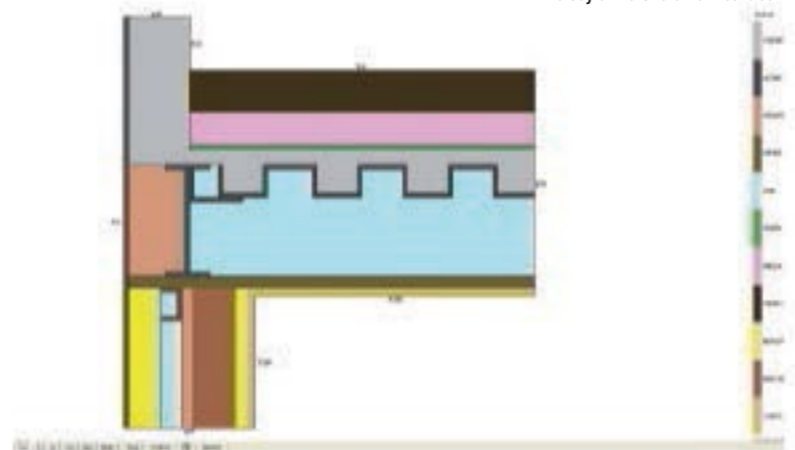
solar lighting third floor





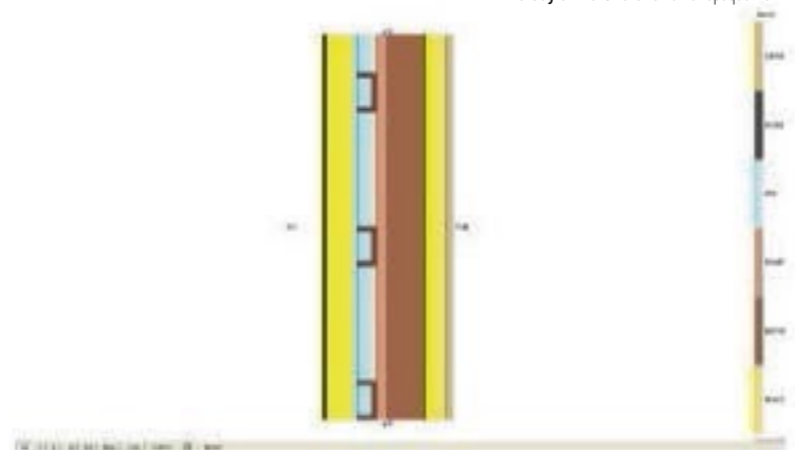
- 01 upright profile ipe 100
- 02 sunshade, open slats in glass with blinds, 200 mm
- 03 electronic system for the rotation of the blades
- 04 shelf reflective glass exterior semi-transparent, high-reflectance 5mm
- 05 electronic system of sliding and rotation of the shelf shadings
- 06 driving profile ipe panel
- 07 tilting frame with double glazing 4/15/4 mm planibel energy glaverbel

study of materials wall-roof slab

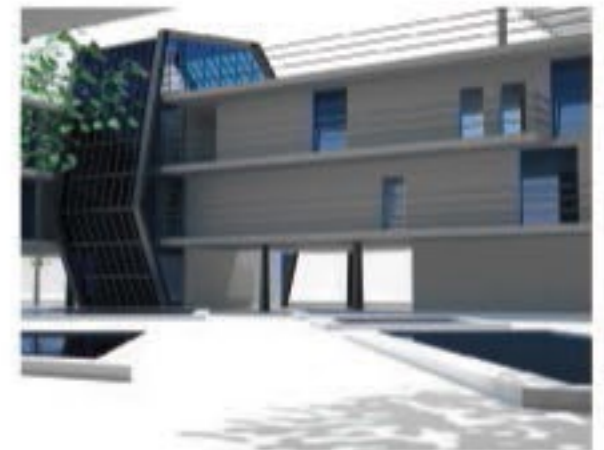


DESCRIZIONE COMPONENTE	ESPOSIZIONE	CONDUTTIVITA'	SPESORE	CALORE SPECIFICO	INERZIA TERMICA	RESISTENZA DEL VAPORE
1 Isolamento in lana di vetro	0,10	0,040	100,0	0,160	0,000	0,000
2 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
3 Estradosso in cemento	0,10	1,700	10,0	0,840	0,000	0,000
4 Isolamento in lana di vetro	0,10	0,040	100,0	0,160	0,000	0,000
5 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
6 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
7 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
8 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
9 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
10 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
11 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
12 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
13 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
14 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
15 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
16 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
17 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
18 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
19 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
20 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
<b>PARAMETRI SINTETICI</b>						
Massa totale	EP	284	kg/m²			
Conduttanza termica totale	KS	0,131	W/m²K			
Assorbimento termico interno (Norma UNI 7181)	IT	0,0	W/m²K			
Assorbimento termico esterno (Norma UNI 7181)	IE	0,0	W/m²K			
Conduttanza unitaria	U	0,30	W/m²K			
Trasparenza unitaria	U	0,30	W/m²K			
Resistenza unitaria	R	3,33	m²K/W			
Costante di tempo termica interna	TI	460,4	ore			
Costante di tempo termica esterna	TE	1110,8	ore			
Resistenza termica totale	RT	3,07	m²K/W			

study of materials external opaque wall



DESCRIZIONE COMPONENTE	ESPOSIZIONE	CONDUTTIVITA'	SPESORE	CALORE SPECIFICO	INERZIA TERMICA	RESISTENZA DEL VAPORE
1 Isolamento in lana di vetro	0,10	0,040	100,0	0,160	0,000	0,000
2 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
3 Estradosso in cemento	0,10	1,700	10,0	0,840	0,000	0,000
4 Isolamento in lana di vetro	0,10	0,040	100,0	0,160	0,000	0,000
5 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
6 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
7 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
8 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
9 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
10 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
11 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
12 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
13 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
14 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
15 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
16 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
17 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
18 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
19 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
20 Strato in cartongesso	0,05	0,170	12,5	0,840	0,000	0,000
<b>PARAMETRI SINTETICI</b>						
Massa totale	EP	284	kg/m²			
Conduttanza termica totale	KS	0,131	W/m²K			
Assorbimento termico interno (Norma UNI 7181)	IT	0,0	W/m²K			
Assorbimento termico esterno (Norma UNI 7181)	IE	0,0	W/m²K			
Conduttanza unitaria	U	0,30	W/m²K			
Trasparenza unitaria	U	0,30	W/m²K			
Resistenza unitaria	R	3,33	m²K/W			
Costante di tempo termica interna	TI	460,4	ore			
Costante di tempo termica esterna	TE	1110,8	ore			
Resistenza termica totale	RT	3,07	m²K/W			





PAFO | foglia river park  
park  
area near foglia river | pesaro (PU)  
lab of landscape planning | july 08

06

**Environmental hydrogeological situation of the river Foglia and its enhancement**

Given that the areas lapped by the river Foglia in the Municipality of Pesaro may be considered among those most vulnerable to the existence of hazards to persons, property and environmental heritage in the presence of a dark river bed because occupied by excess vegetation, hydraulic section choked with reduced flow capacity, widespread urbanization and progressively focused on different areas perfluential significantly reducing the degrees of freedom of the watercourse, then in the terminal part confined in a levee system to prevent the free movement in the meanders are provided of "Artifice" to rebalance the area, such as the hydraulics of Foglia and water drainage ditches, environmental compensations, filter zones.

With Resolution D.C. 135/2000 C.p. 135/2003 approving the Plan of Pesaro then director scheme relating to the development from the river Foglia as large territorial connection. For this the master plan involves the construction of a park along the river path and in the range of contact between the margins the city and the countryside cultivated within the catchment of the lower Foglia defining guarantees connections of the territory and the preservation of the environment through a reappropriation of the free space that is not only the country, but a active management of the territory. The river park provides accommodation naturalistic actions to recover damaged parts and the system sports equipment that require large spaces. Are included in Scheme Director "The Foglia" Norma Projects: P.N. 3.1 River Park I, P.N. 3.2 River Park II: golf. Territorial area of the "The Foglia" is of 808.210 Mq.

The guidelines illustrate the following objectives:

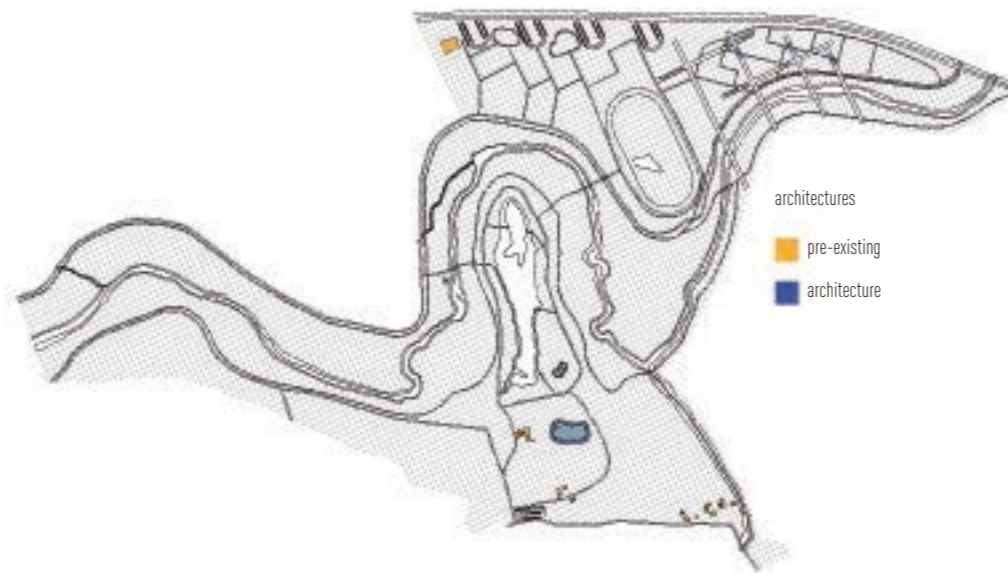
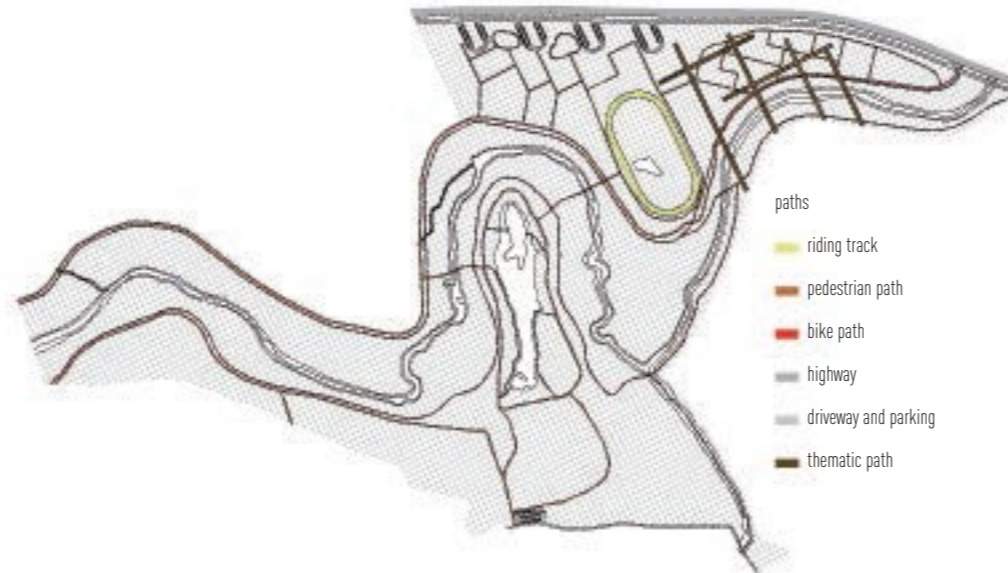
1. allow the use of an area of extraordinary charm, the access to which is effectively prevented by the conditions of abandonment and degradation of riverside areas: it is not, in this case, to invent equipment, but simply to return the space along the river to the many possibilities of compatible use, in particular for sports activities.

2. intervention units: one unit of intervention is provided which may comprise more sectors.

3. criteria for intervention: the project is based on the environmental restoration of the entire fluvial, to be achieved through a series coordinated interventions such as:

- soil remediation;
- protection of naturalization processes in place;
- mitigating air pollution and noise barriers through the implementation of linear and areal reforestation;
- thickening of vegetation perialveare, even the minor watersheds;
- systematic control of direct discharges to the river and monitoring of water quality;
- reactivation of the network of connections in the valley of environmental Foglia;
- cultivated areas for the project should aim at the "restoration" of permanence;
- plans for the restructuring of the estate owned by the city as a center equipped in part of the park, in part as a company agrarian with rural tourism purposes.

4. The existing lake will be used as sport fishing, in which case will be strengthened the provision of parking in the vicinity of the center agritourism.





functional analysis

- 01. driveway path
- 02. parking
- 03. cycle route
- 04. pedestrian path
- 05. riding track
- 06. difo - discoteca
- 07. mondrian area
- 08. routes and thematic galleries
- 09. sport area
- 10. farm
- 11. market farm
- 12. pavilion for fishing
- 13. multifunctional center
- 14. biogas plant



mondrian area

sport area

ipogea area

autostrada  
strada carrabile  
strada carrabile  
giardini mondrian  
percorsi pedonale  
galoppatoio  
percorsi pedonale  
percorsi pedonale  
bicipolitana  
bicipolitana  
percorsi pedonale  
percorsi pedonale  
centro pesca sportiva  
percorsi pedonale  
laboratorio culturale  
percorsi pedonale  
marketfarm naturalshop  
percorsi pedonale  
strada carrabile

sezione A-A

sezione B-B

# analysis of green

# area mondrian



Robinia pseudoacacia 'monophylla': H 20 m diam. 6 m



Olivo: H 5 m diam. 2-3 m



Paulownia tomentosa: H 10-15 m diam. 5 m



Abies Pinsapo 'glauca': H 10-15 m diam. 1,50-2 m



Pinus halepensis: H 10-12 m diam. 3-4 m



Magnolia grandiflora: H 18-20 m diam. 10 m



Melia Azedarach: H 10-12 m diam. 5-6 m



Populus nigra 'Italica' (pioppo cipressino): H 20-25 m diam. 3 m



Salix matsudana tortuosa: H 8 m diam. 4 m

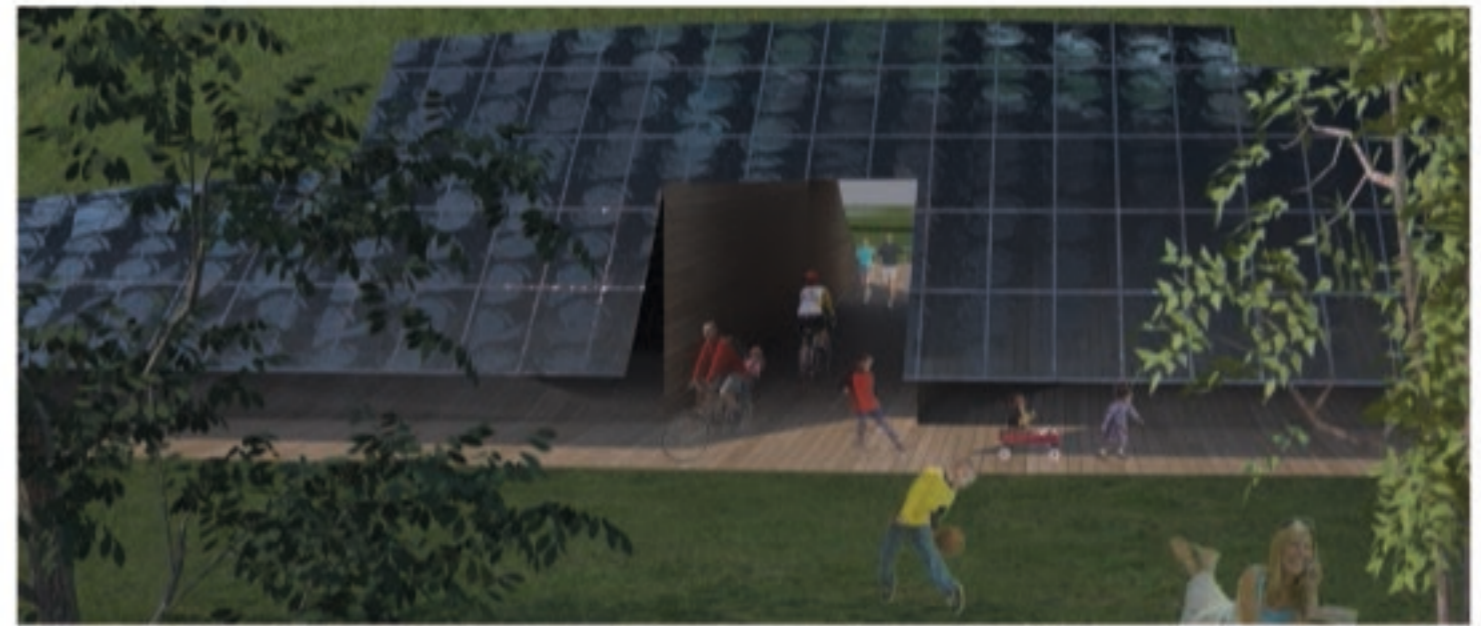
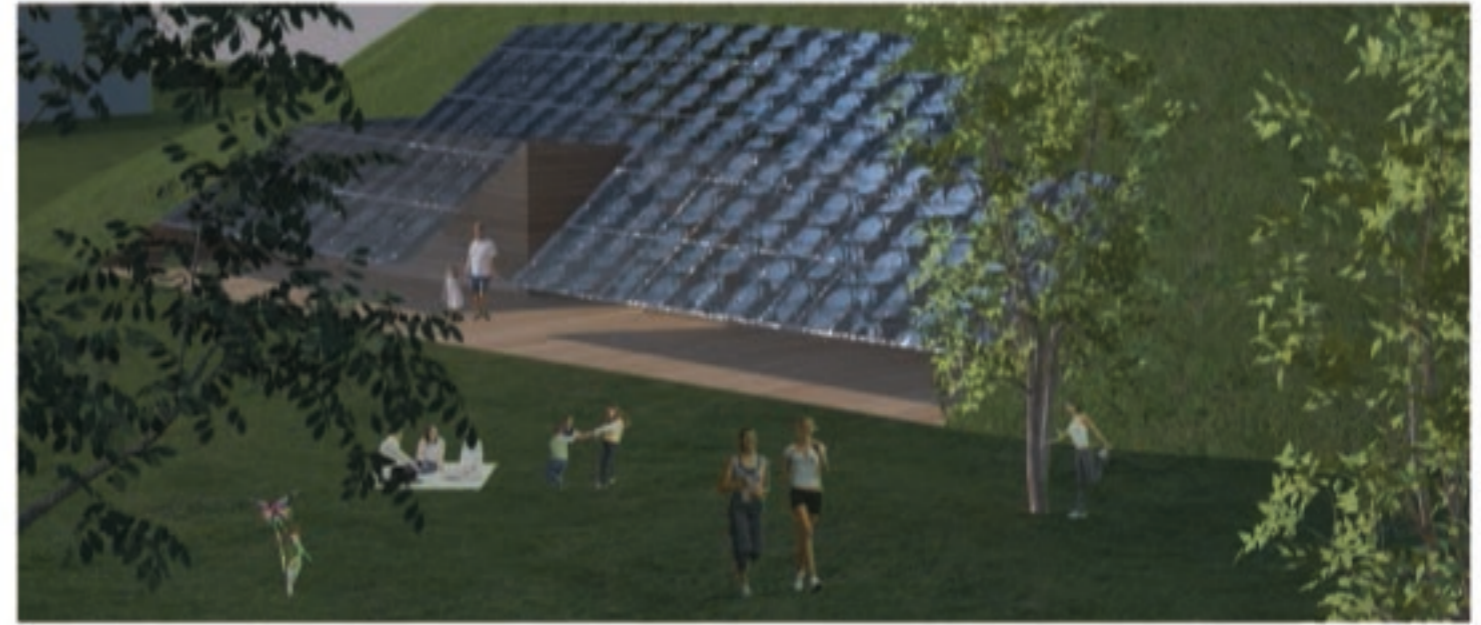


Cedrus atlantica 'glauca': H 20-25 m diam. 3- 3,50 m

area sport



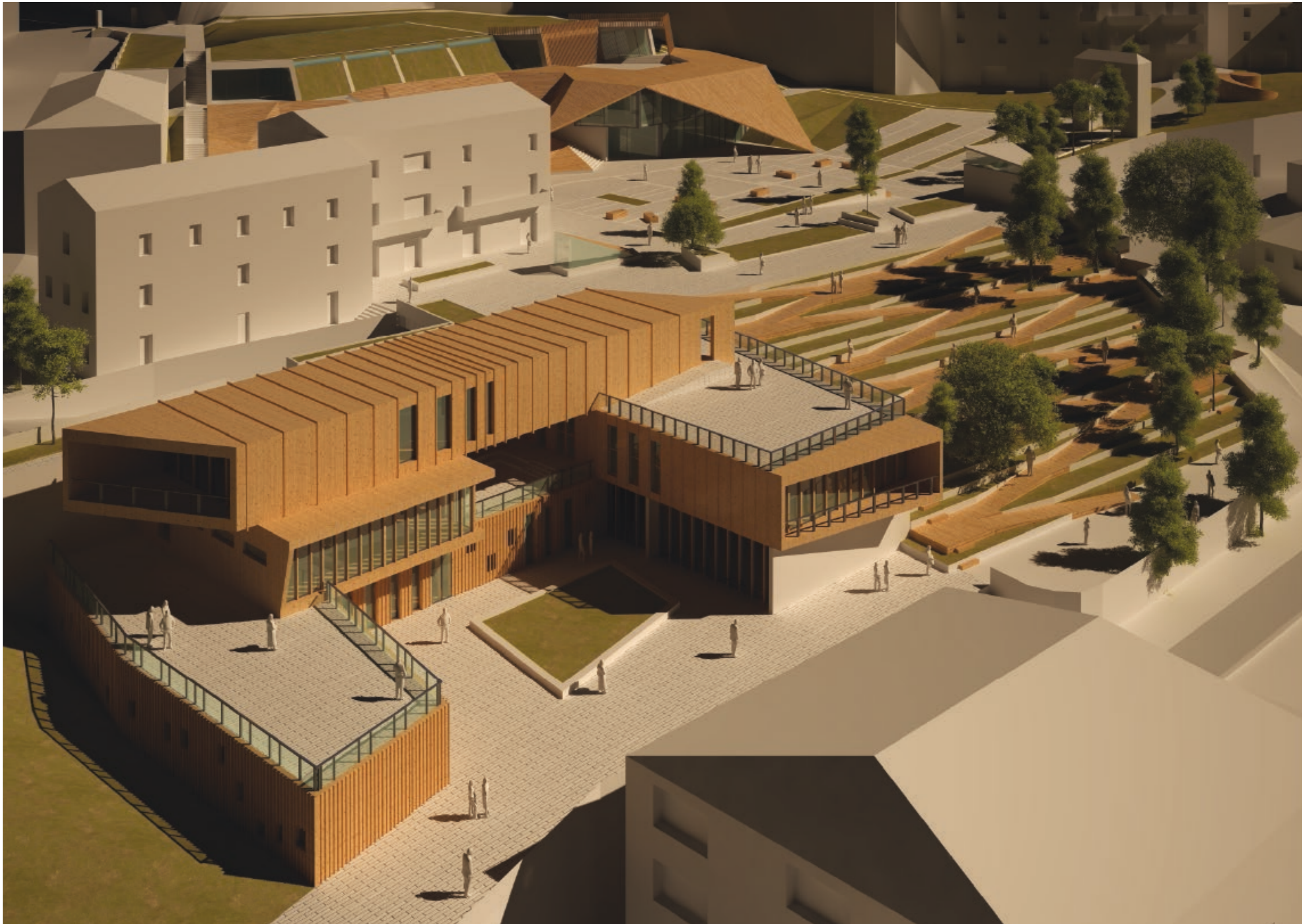
area ipogea

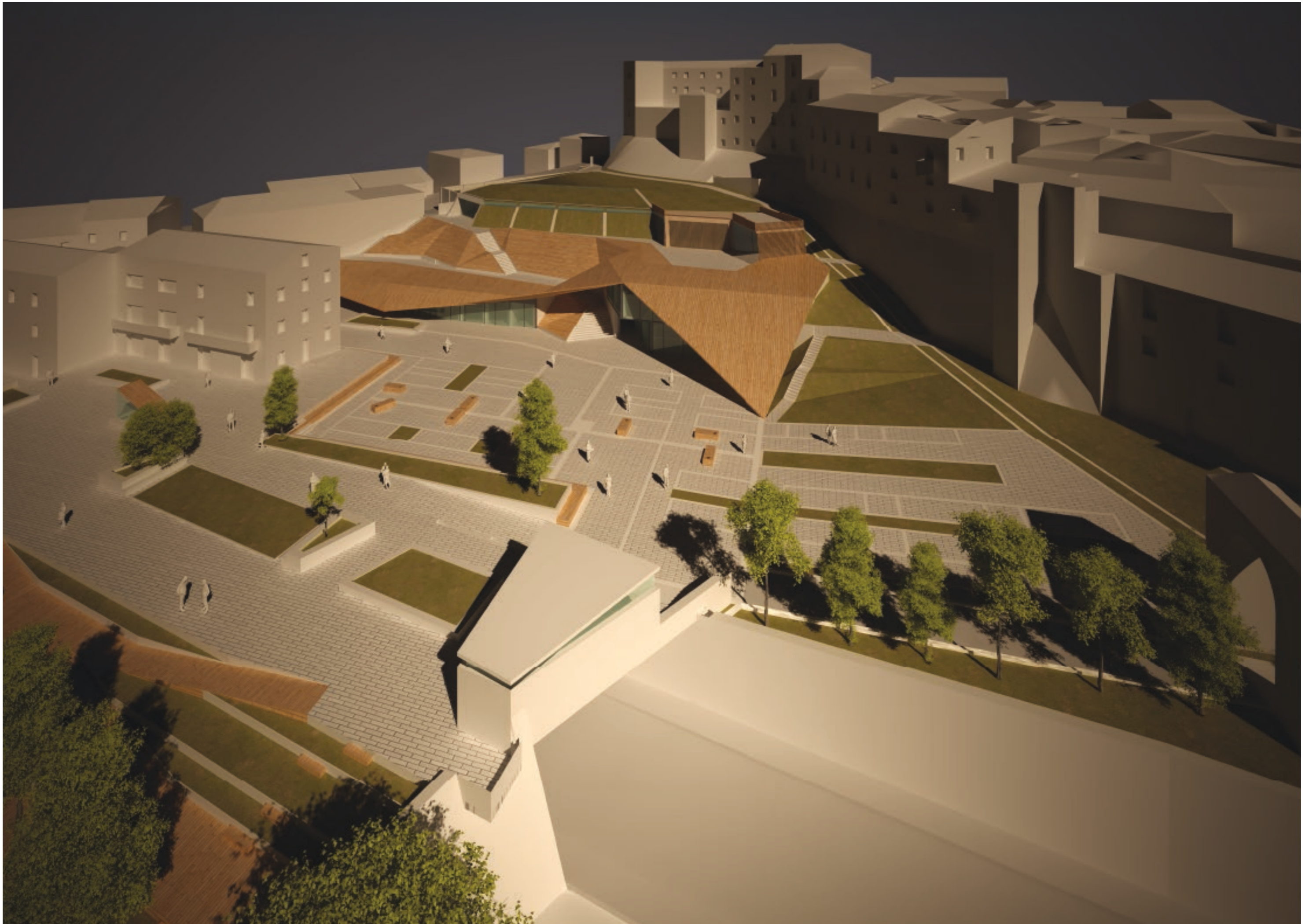


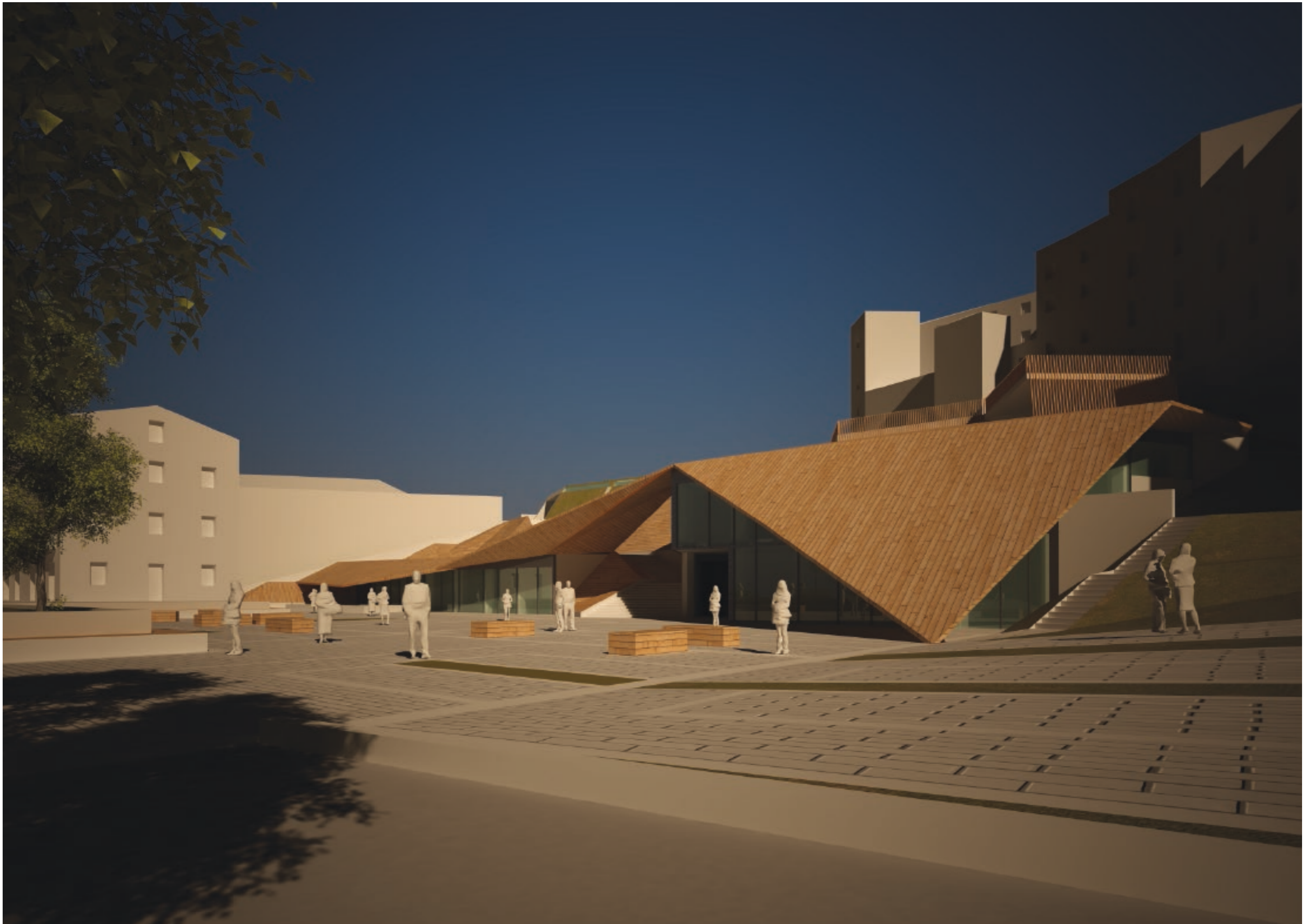


MULTIFUNCTIONAL BUILDING | thesis  
loro piceno (FM)  
july 12













SHOWROOM | architectural concept  
perugia (PG)  
october 11

08











DENTAL STUDIO | architectural concept  
perugia (PG)  
january 12

09



RESIDENTIAL BUILDING | restructuration

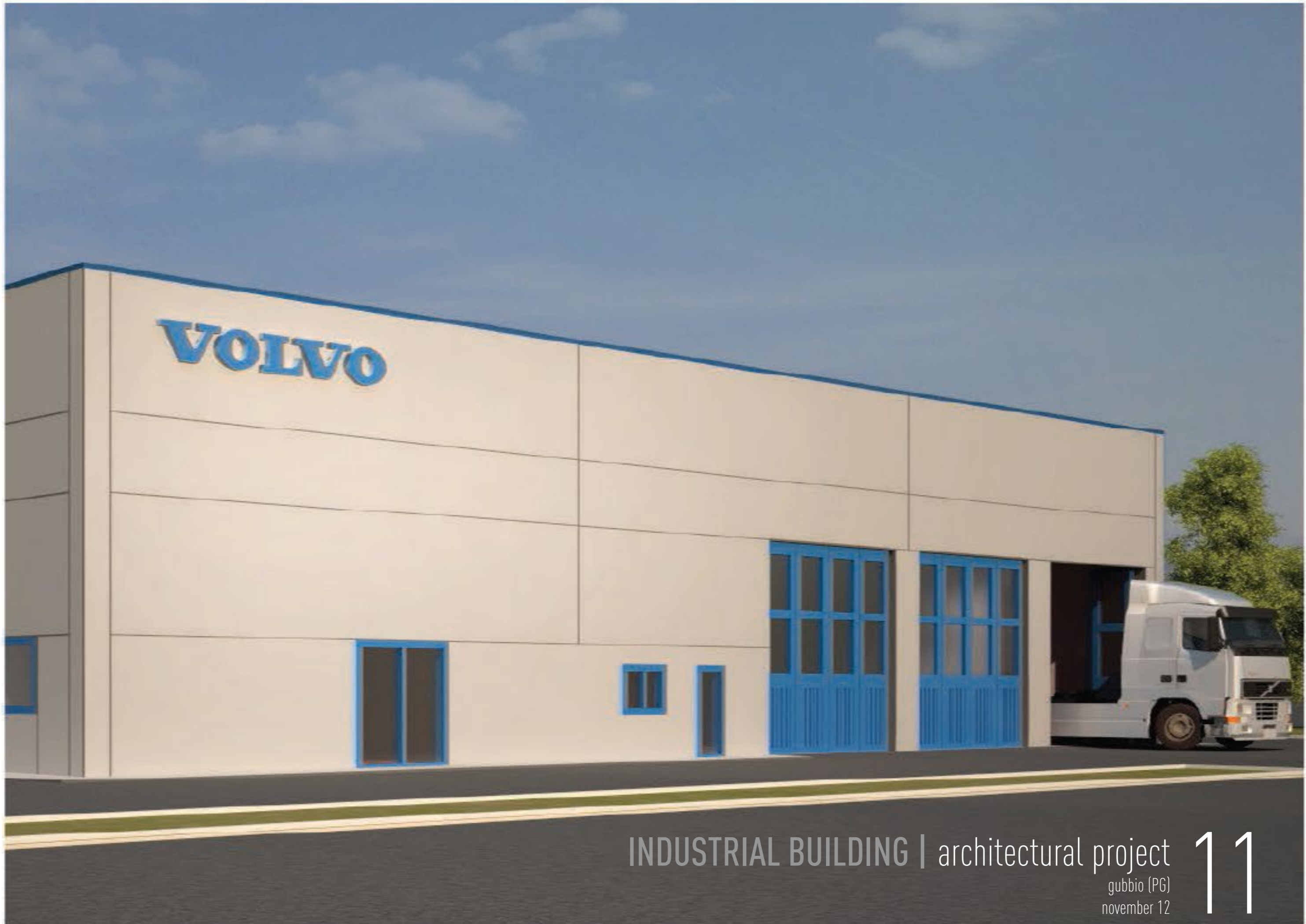
perugia (PG)  
march 12

10









INDUSTRIAL BUILDING | architectural project

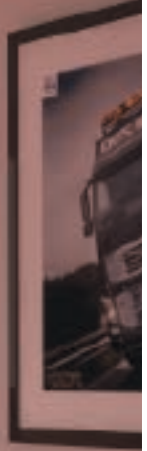
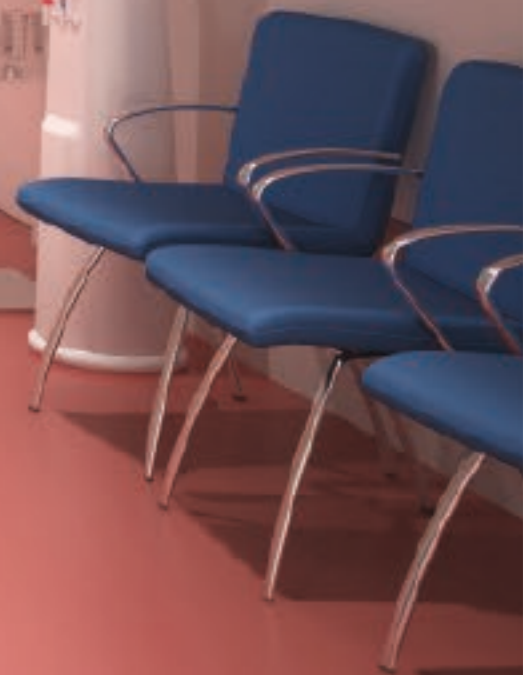
gubbio (PG)  
november 12







**VOLVO**





SHOPPING CENTER | architectural project  
gubbio (PG)  
october 12

12







