Architectural Design Competition



Competition for conceptual Architectural Design of ***Primary School*** *in city Kvart in Podgorica Montenegro*

Competition for conceptual Architectural Design of the ***hospital facility*** *within "Danilo I"General Hospital Complex in Cetinje Montenegro*

Hybrid Challenge *Metsa Wood Finlandia*

Urban Adptation *Metsa Wood Finlandia*

Sky City Challenge: ***The Future of Housing*** *Cina*

Luxury Apartments *Project Competition Rango Group Arabia Saudita*

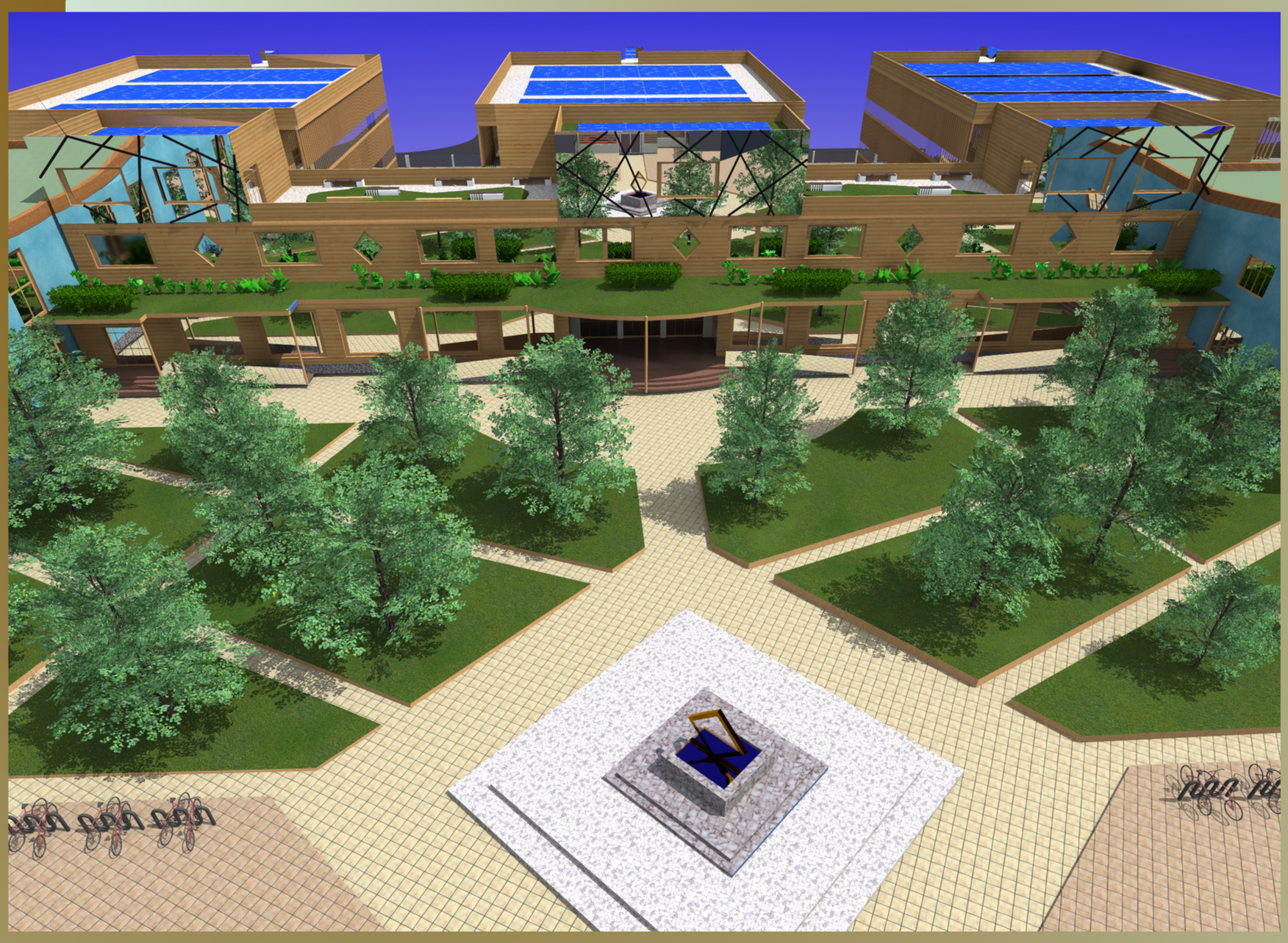
Concours Restreint de maitrise d'ouvre (references) ***construction d'un Gymnase*** *a Muizon France*

Concours Restreint de maitrise d'ouvre (references) ***construction d'un*** *equipement culturel et festif a Louzy France*

Concours Restreint de maitrise d'ouvre (references) ***construction d'un Gymnase*** *le Bugue France*

Affordable housing *NEW YORK 2025*

Competition for conceptual Architectural design of Primary School in city Kvart in Podgorica Montenegro



74523

Competition for conceptual Architectural Design of Primary School in City Kvart in Podgorica



Ground floor plan

Phisical education room	Dining room	Comercial rooms
Rhythmics dance	Kitchen	Kitchenette for staff
Sport zone	Room for waste	Room video surveillance
Room teaching	Room for washing dishes	Teachers' rooms
Room teaching aids	Room food storage	Rooms energy systems
Male dressing room	Room food preparation	Space for waste disposal
Female dressing room	Dressing room employers	Room cleaning
Sanitary facilities	Sanitary facilities	Pathway bicycle zones
Spectators grandstand	Relax room employers	Entrance corridor bicycle
Multipurpose room	Dining room	
Cultural events	Sanitary facilities pupils	
Care for pupils		
Care room for pupils		
Room for pupils rest		



First floor plan

Primary school	
15 Main classrooms	Administrations rooms
2 IT classrooms	Room Headmaster
Specialized classrooms	Room deputy Headmaster
Classrooms for music	Room Secretariat
Classrooms for Art	Teacher's room
Classrooms for Biology	Psichologist
Classrooms Phisics	Pedagogue
Classrooms Chemistry	Dental infirmary
Classrooms Mathematics	General infirmary
Classrooms Literature	Sanitary facilities
Classrooms Social Sciences	Room for library
2 Classrooms Foreign language	Room librarian
2 Classrooms open air	Reading room
Cabinet for individual work	Storage room
Sanitary facilities	



Scale 1:200

74523

Competition for conceptual Architectural Design of Primary School in City Kvart in Podgorica



Second floor plan



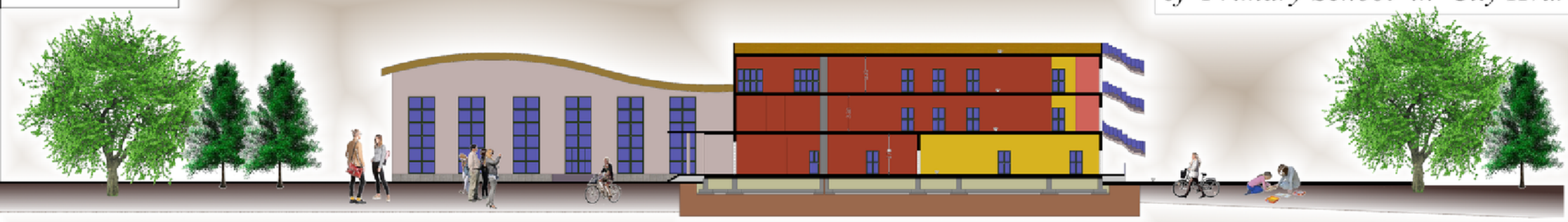
Planimetry
Scale 1:500



Scale 1:200

74523

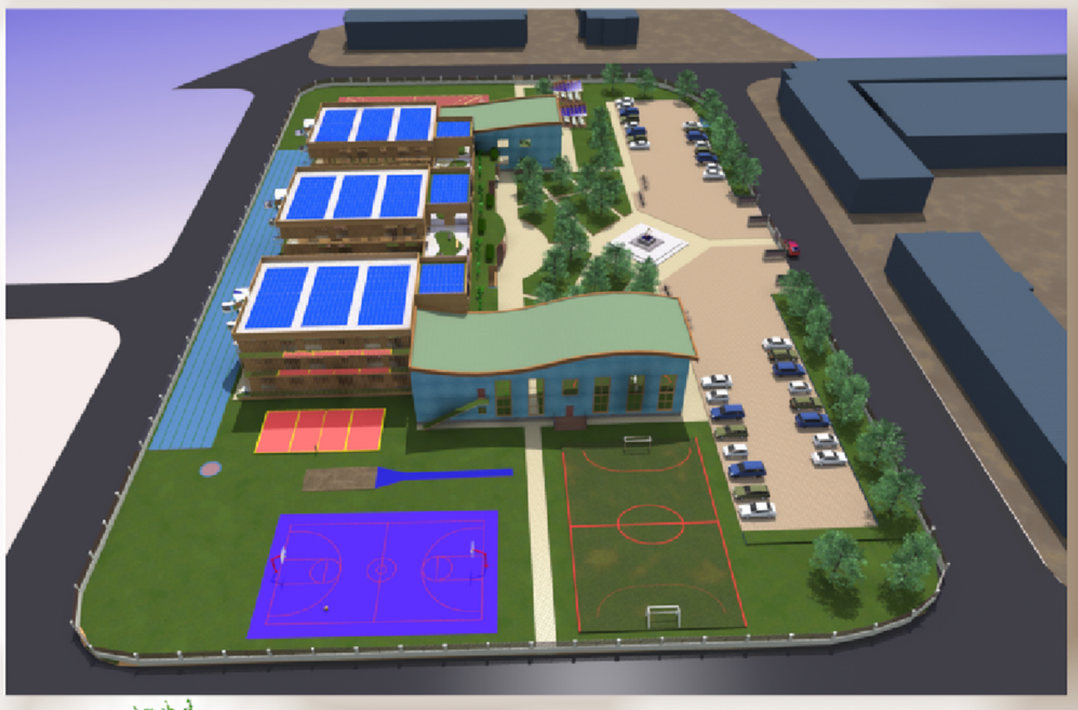
Competition for conceptual Architectural Design of Primary School in City Kvart in Podgorica



Section A-A



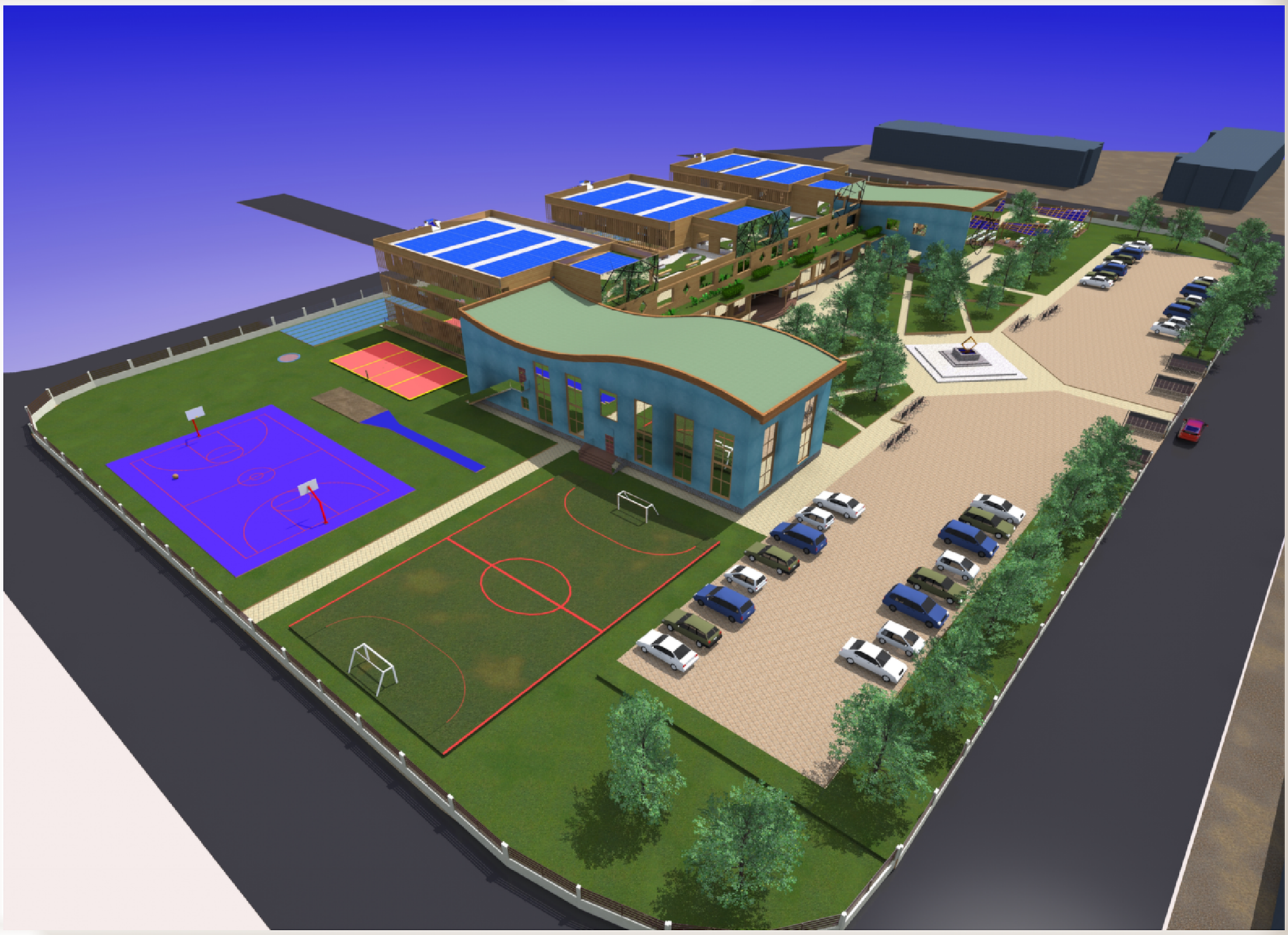
Façade North-West







Façade South-West



Scale 1:200

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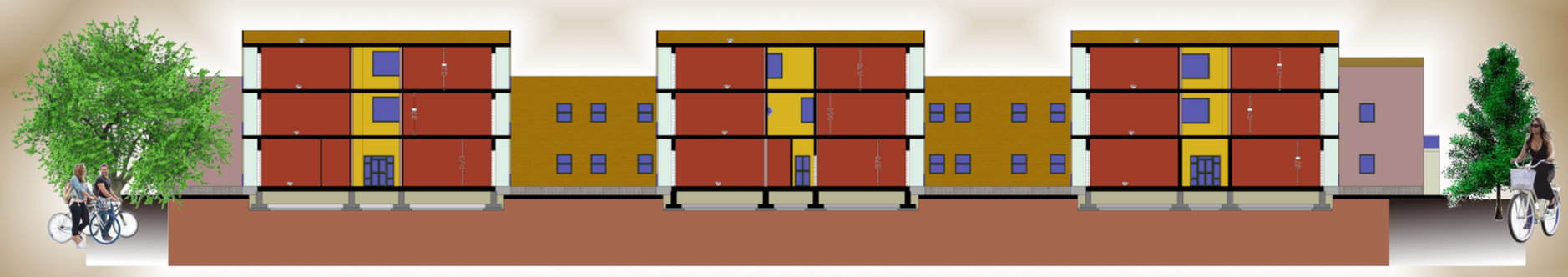
Competition for conceptual Architectural Design of Primary School in City Kvart in Podgorica



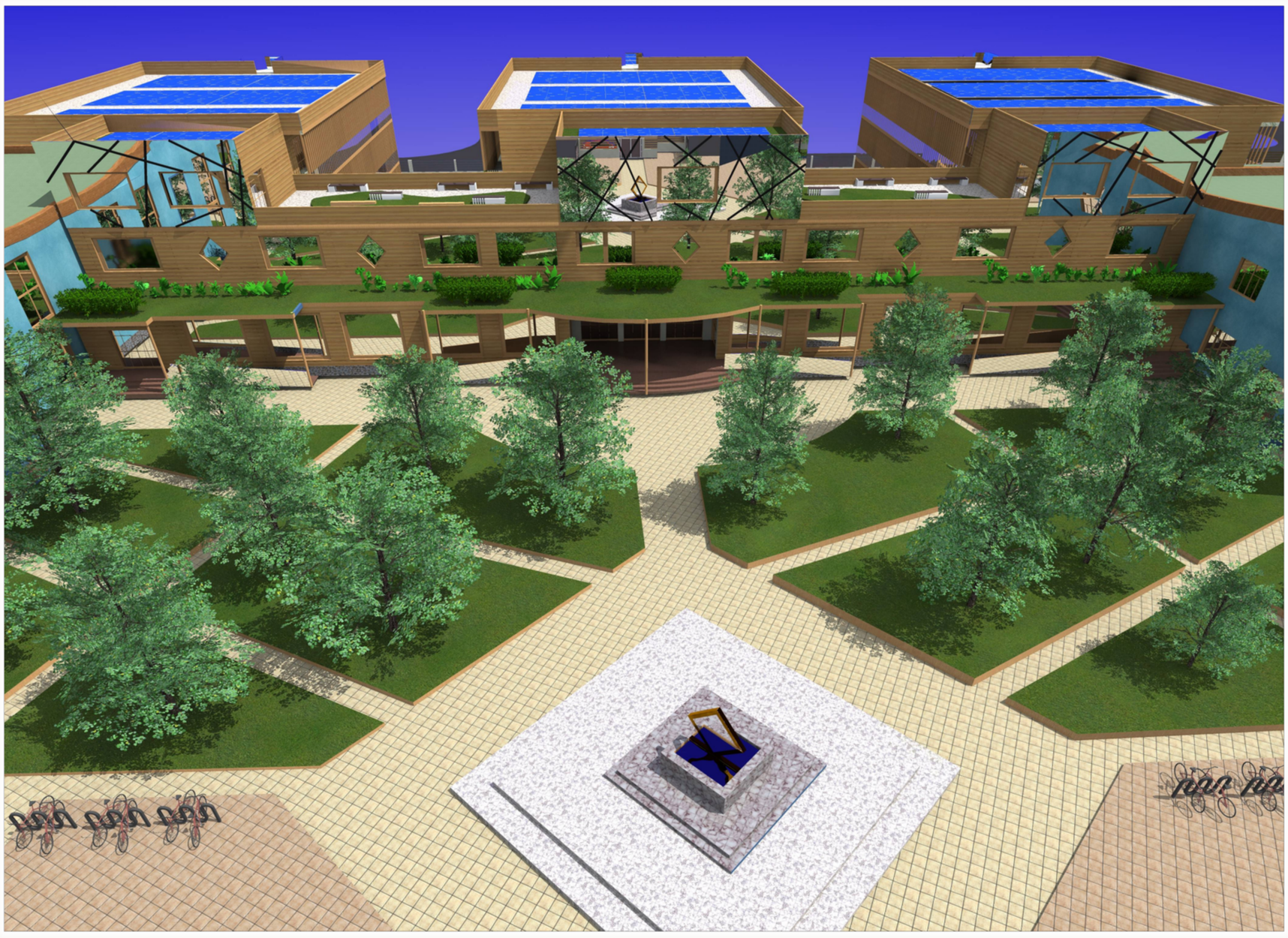
Façade North-Est



Planimetry
Scale 1:1000

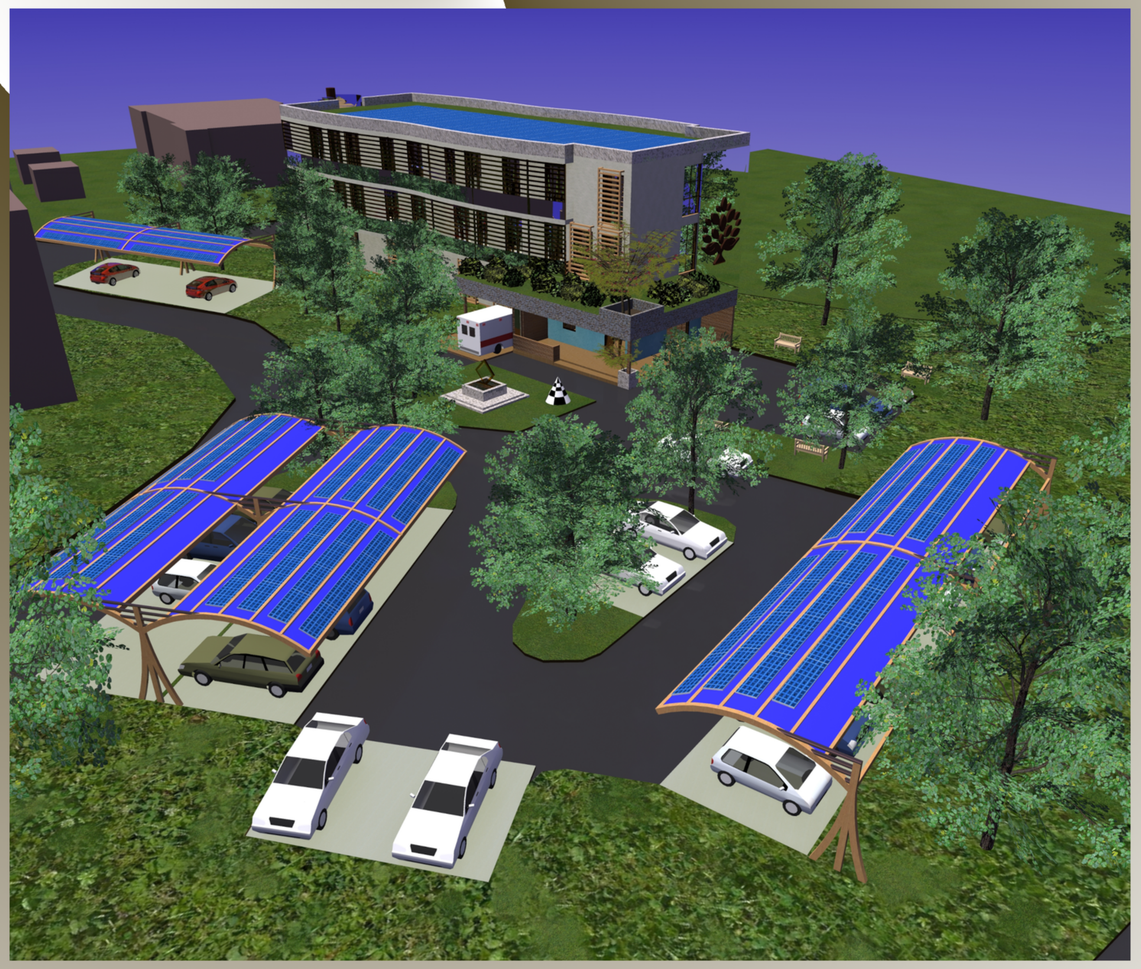


Section B-B



Scale 1:200

Competition for conceptual Architettural design of the Hospital facility within "Danilo I" General Hospital Complex in Cetinje Montenegro



46291

Competition for the conceptual architectural design of the Hospital facility within "Danilo I" General Hospital Complex in Cetinje



46291

Competition for the conceptual architectural design of the Hospital facility within "Danilo I" General Hospital Complex in Cetinje

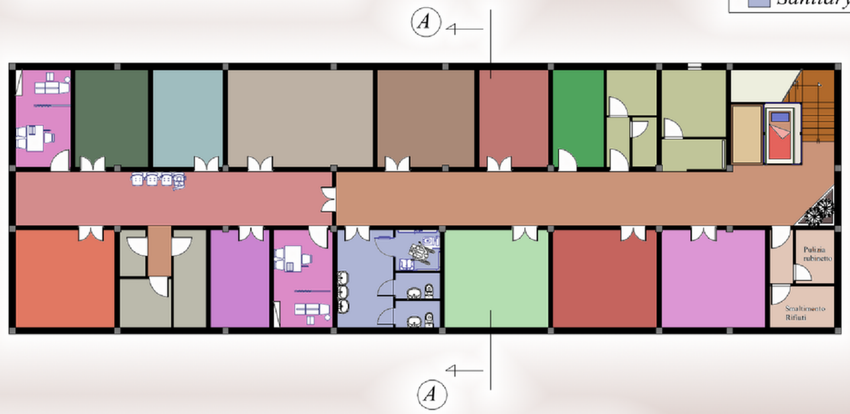
Ground floor plan



Ground floor plan
Central Hall
Reception
Central Biochemistry
Patient waiting room
Taking blood samples
Nurses' station, reception
Radiology
Waiting room
Reception of referrals
Mammography office
Radiologist's office
Ultrasound room 2x16 m²
Accompanying premise
Hospital pharmacy
Observations 2x4 beds
Emergency medical services
Nurses' station
Horizontal communications
Vertical communications
Sanitary block



Basements floor plan

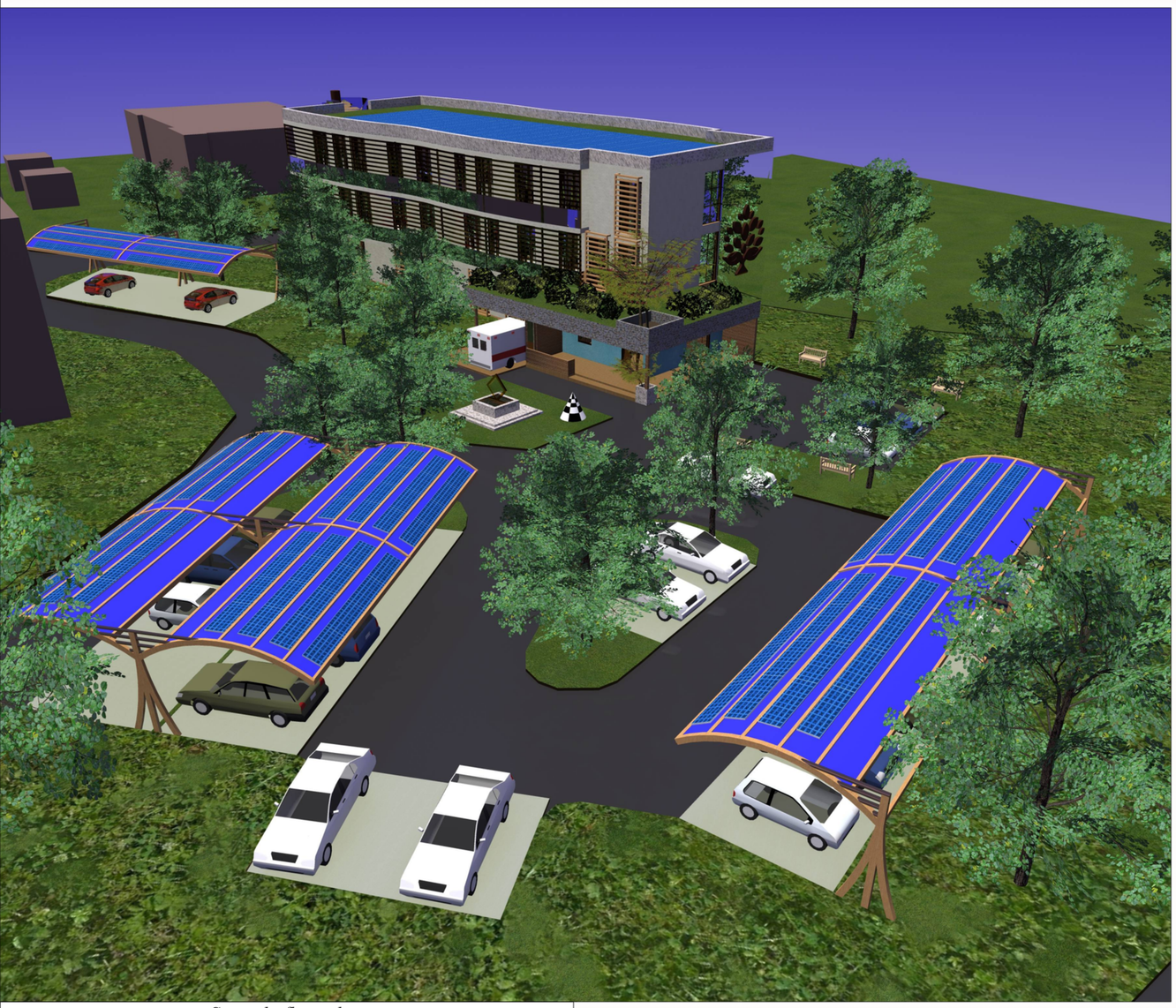


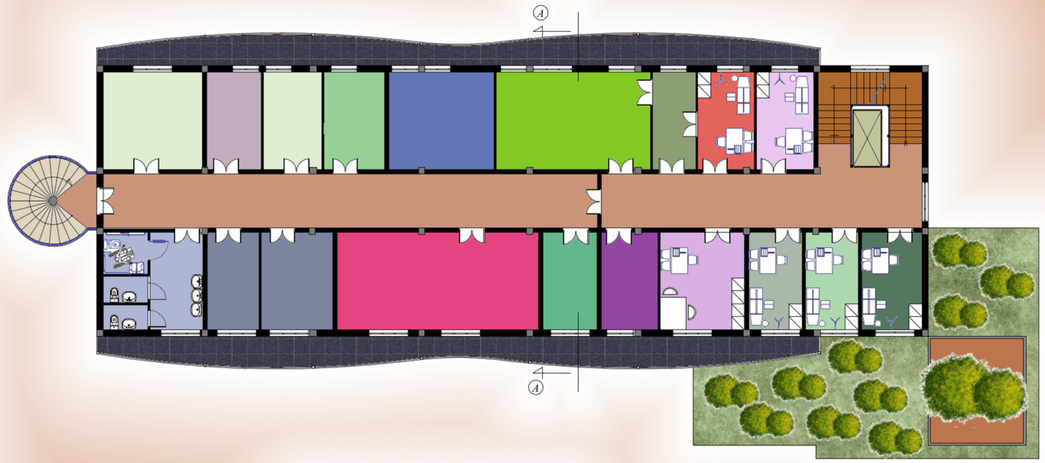
Basements floor plan	Central Biochemistry
Radiology	Urine analysis
Scan room	Immunochemical analysis
Scanner	Hematological analysis
Control devices	Medical waste disposal
Writing the reports doctor's room	Washing lab utensils
X-ray graphics	Accompanying premise
Storeroom for clean items	Morgue, with toilet
Room 1	Medical waste
Room 2	Technical implants room
Control room	Security guard
	Horizontal communications
	Vertical communications
	Sanitary block

Scale 1:100

46291

Competition for the conceptual architectural design of the Hospital facility within "Danilo I" General Hospital Complex in Cetinje

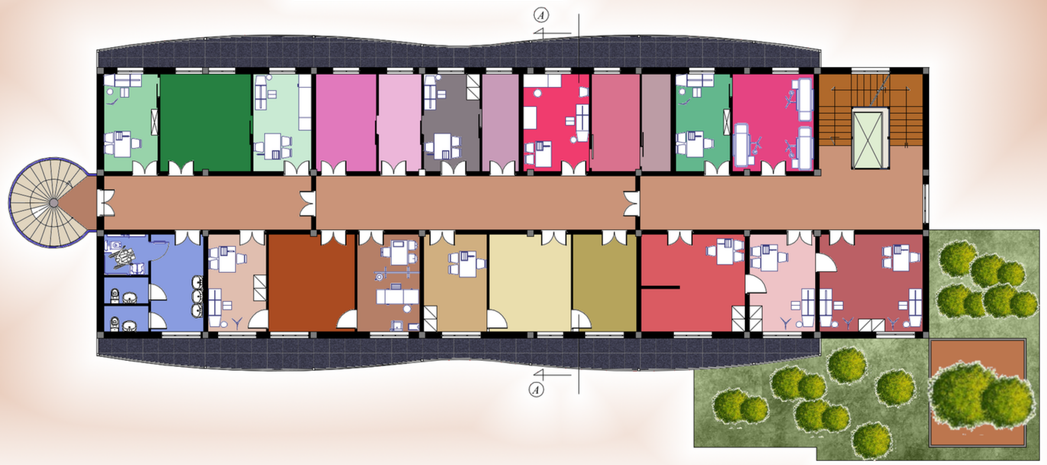




First floor Plan

First floor plan
Central Biochemistry
Hemostasis lab
Biochemical laboratory
Biochemist's office
Preparation and centrifugation
Lab staff cloakroom
Chief Laboratory Technician
Warehouse of laboratory supplies
Internal diagnostics
Office for internal medicine
ECG recording
Internal functional diagnostics
Cardiologist's office
Endocrinologist's office
Internal medicine
Urology
Urology office with ultrasound
Gastroenterology
Gastroenterology office
Infectology
Infectology office
Horizontal communications
Vertical communications
Sanitary block

Second floor plan

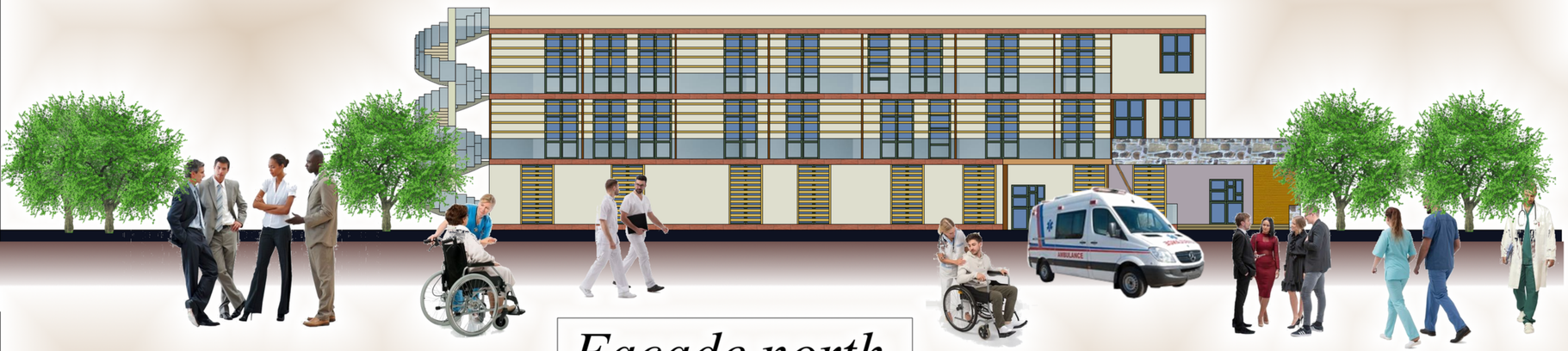


Second floor plan	
Surgery and orthopedics	Neurology
Orthopedic office	Neurological office
Surgery office	EEG, a separate bed area
Anestesiology office	Dermatology
Ophthamology diagnostics	Dermatologist's office
Doctor's office	Interventions
Interventions	Storeroom for clean items
Diagnostics	Neonatology
ENT (ear, nose, throat)	Neonatology office
Doctor's office	Nurses' station - Interventions
Room for audiology	Diagnostics
Area for accomodating	Gynecological diagnosis
Interventions	Gynecologist's office
	Nurses' station
Horizontal communications	Interventions + ultrasound
Vertical communications	
Sanitary block	

Scale 1:100

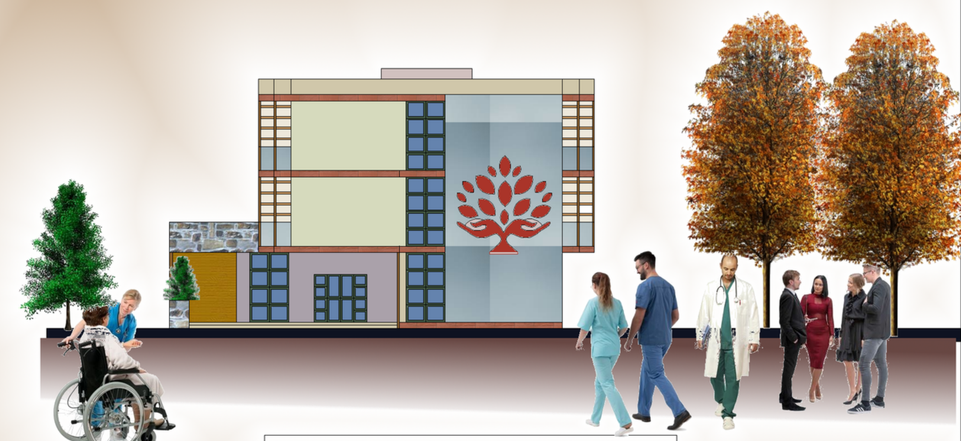
46291

Competition for the conceptual architectural design of the Hospital facility within "Danilo I" General Hospital Complex in Cetinje



Façade north





Façade east

Scale 1:100

46291

Competition for the conceptual architectural design of the Hospital facility within "Danilo I" General Hospital Complex in Cetinje





Section A-A



Façade South

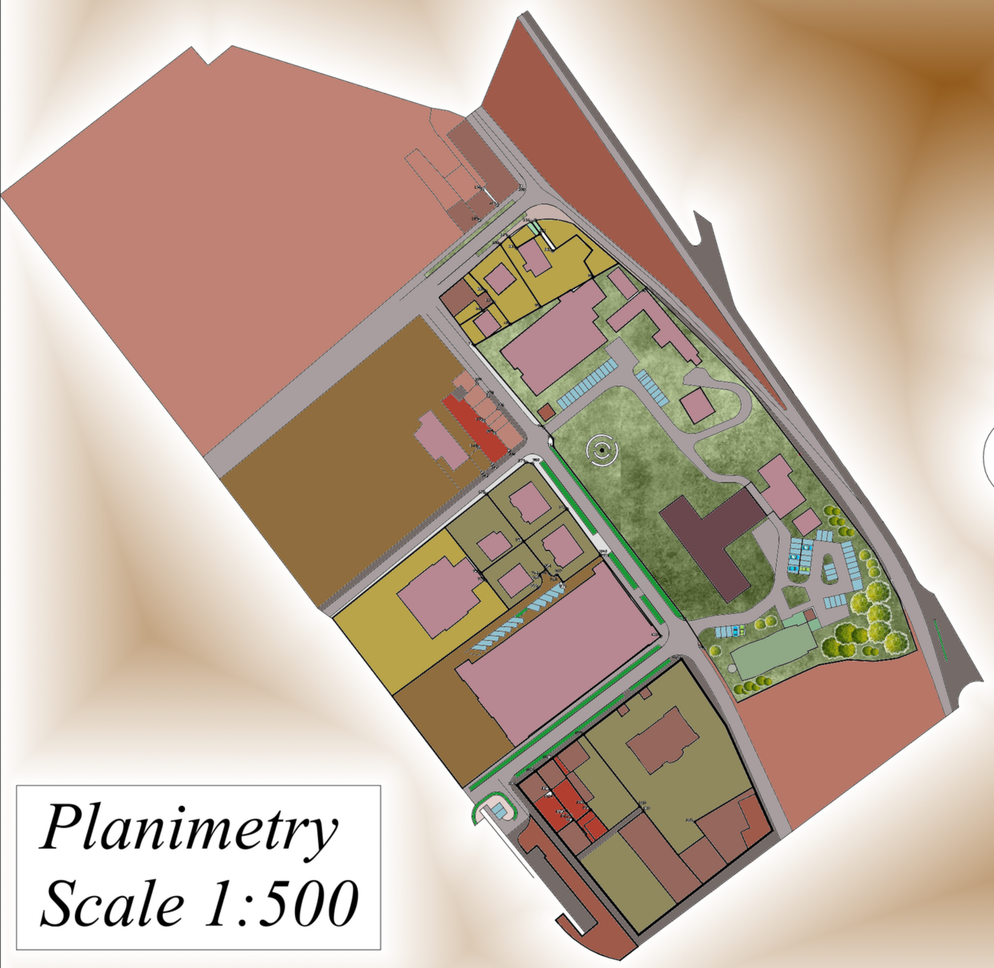
Scale 1:100

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Competition for the conceptual architectural design of the Hospital facility within "Danilo I" General Hospital Complex in Cetinje



Photoinsert



N

Planimetry
Scale 1:500

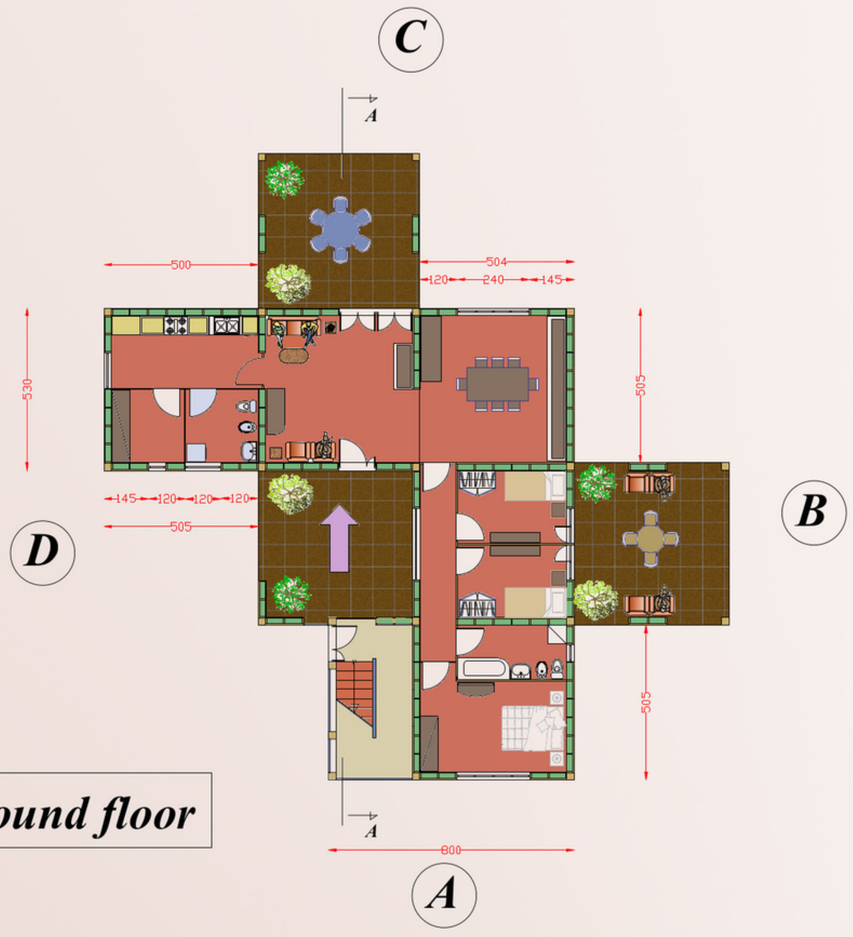


Hybrid City Challenge Metsa Wood Finlandia

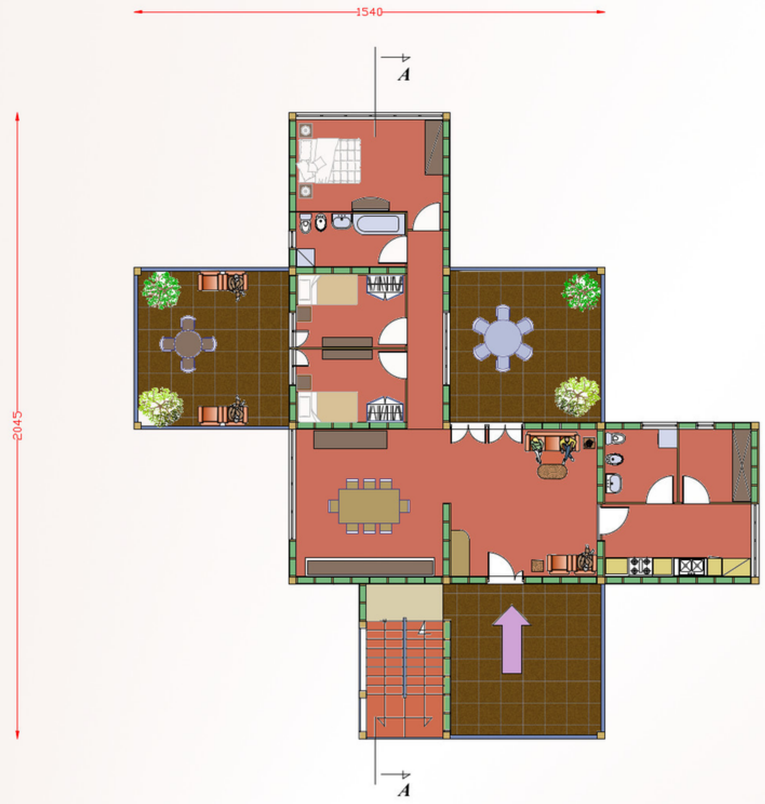


Scale 1:100 A0

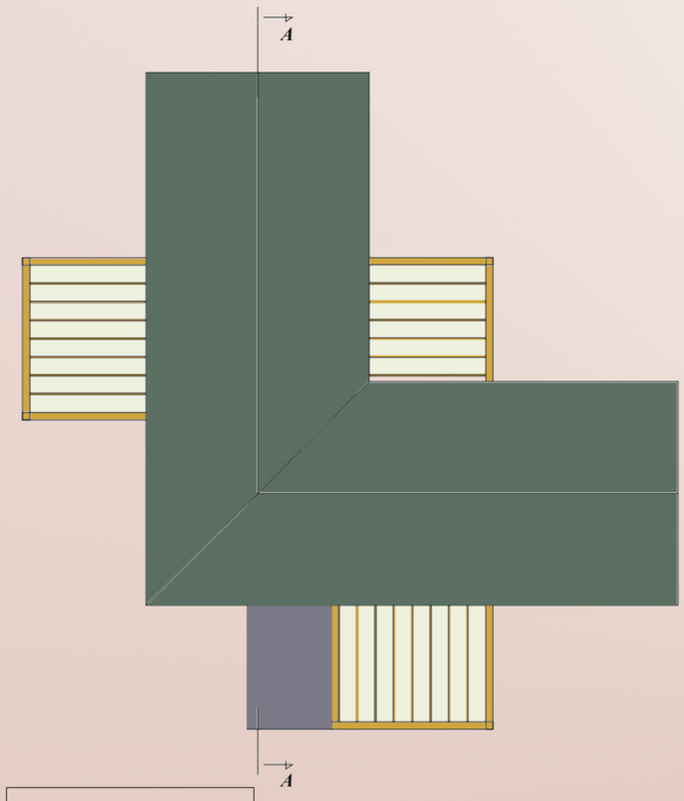
Hybrid City



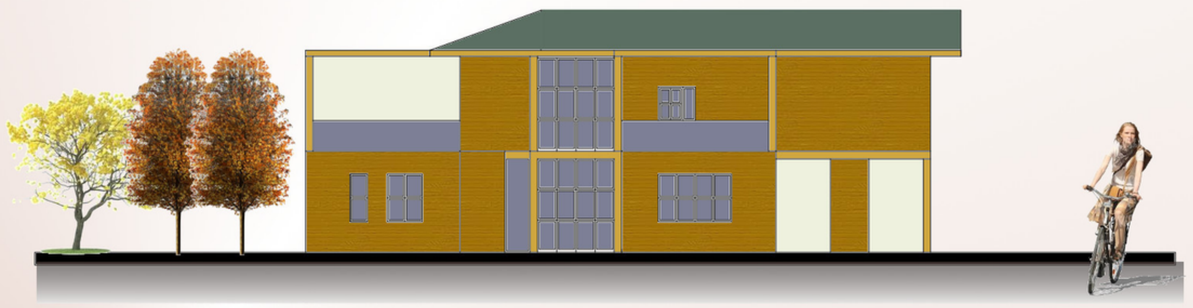
Ground floor



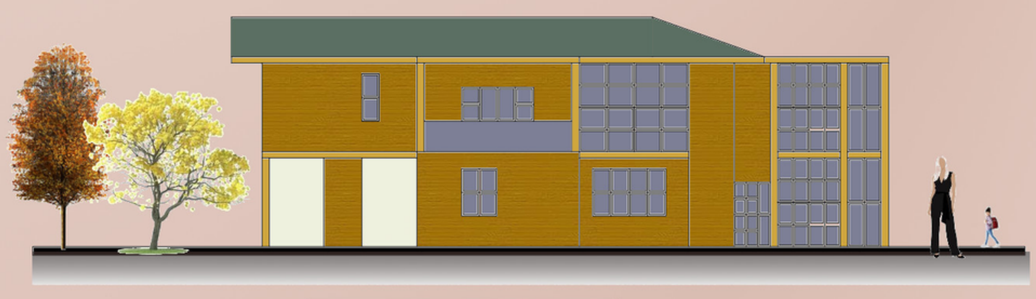
First Floor



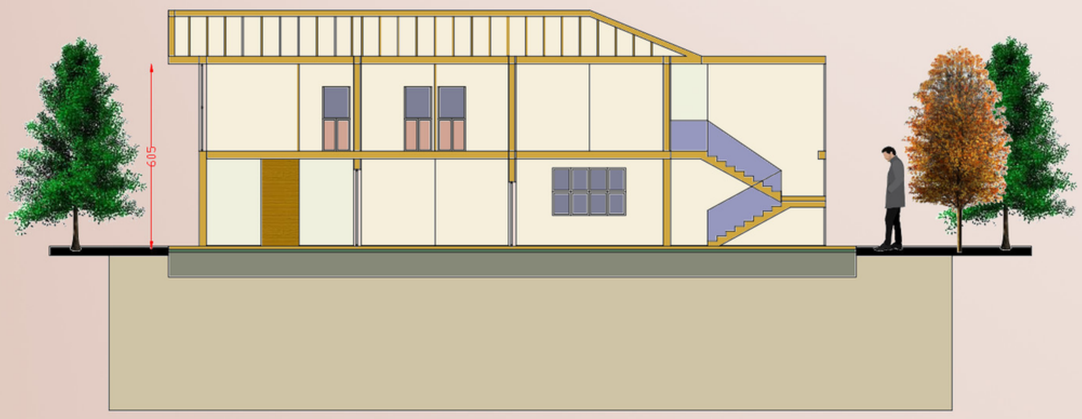
Roof Plan



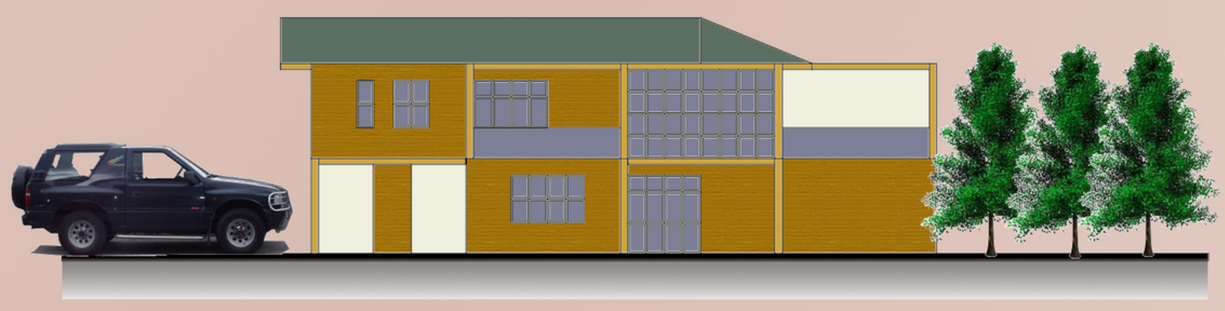
Elevation A



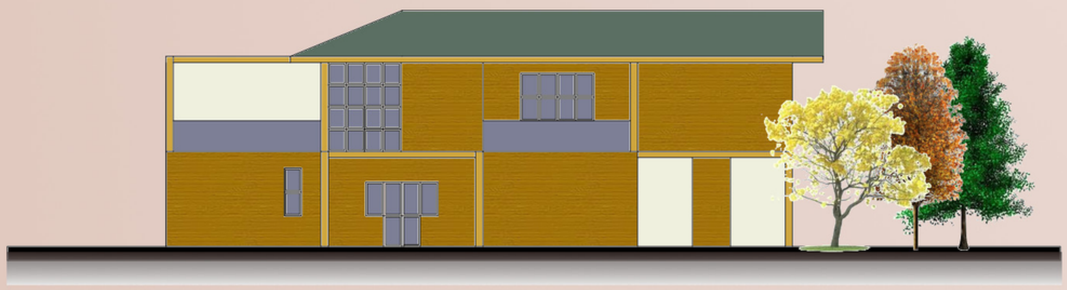
Elevation D



Section A-A



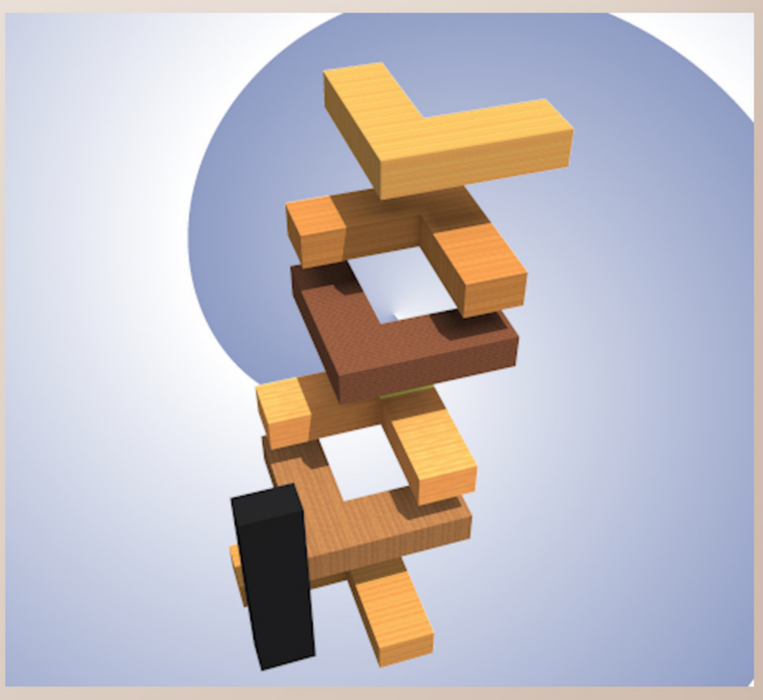
Elevation C



Elevation B



Hybrid City



Building six floors





Castel di Sangro
Residential zone

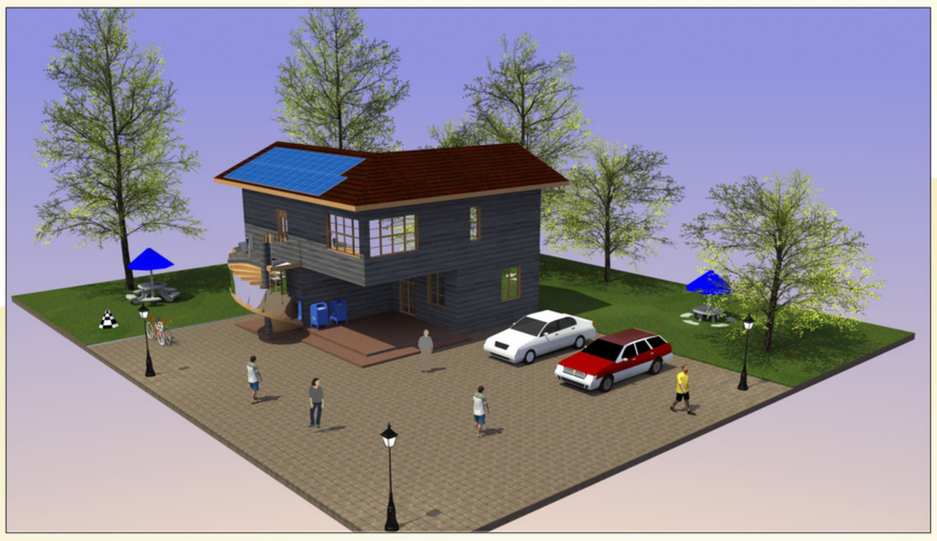
Italy

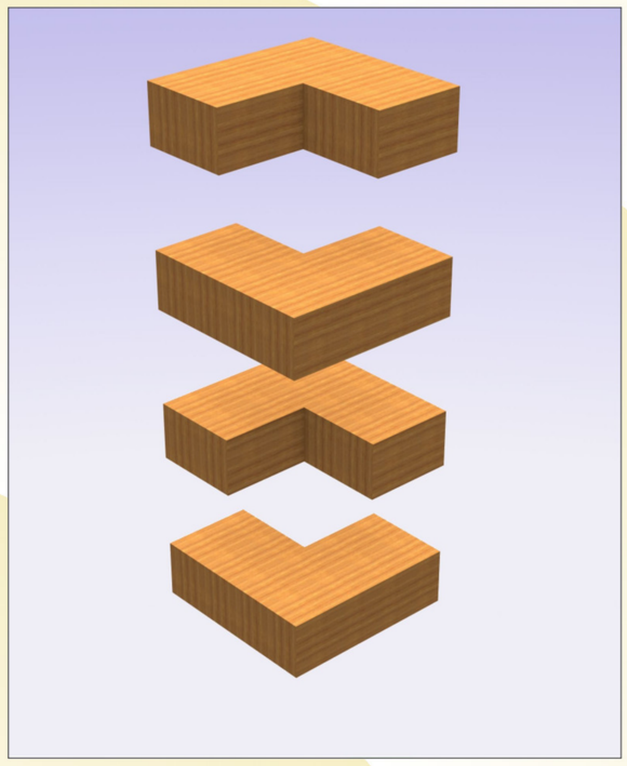


Pescara
Completion zone

Open Source Wood





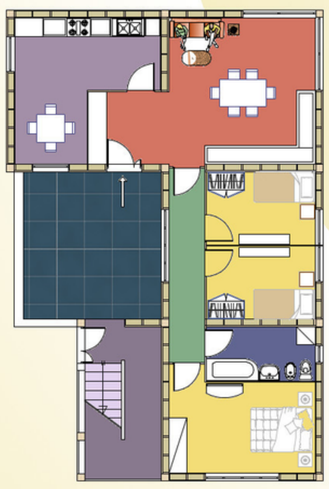


Ground floor



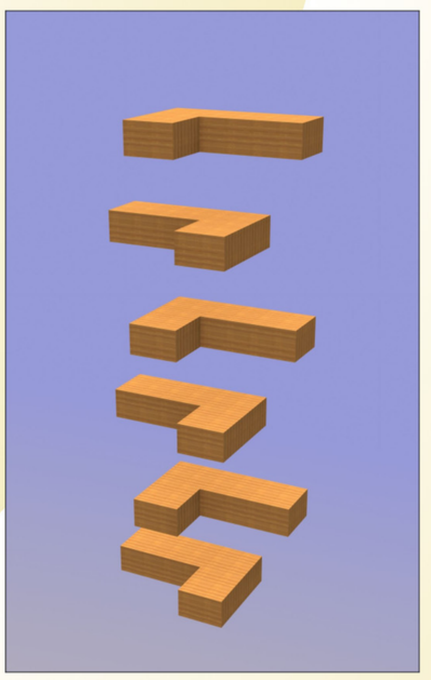


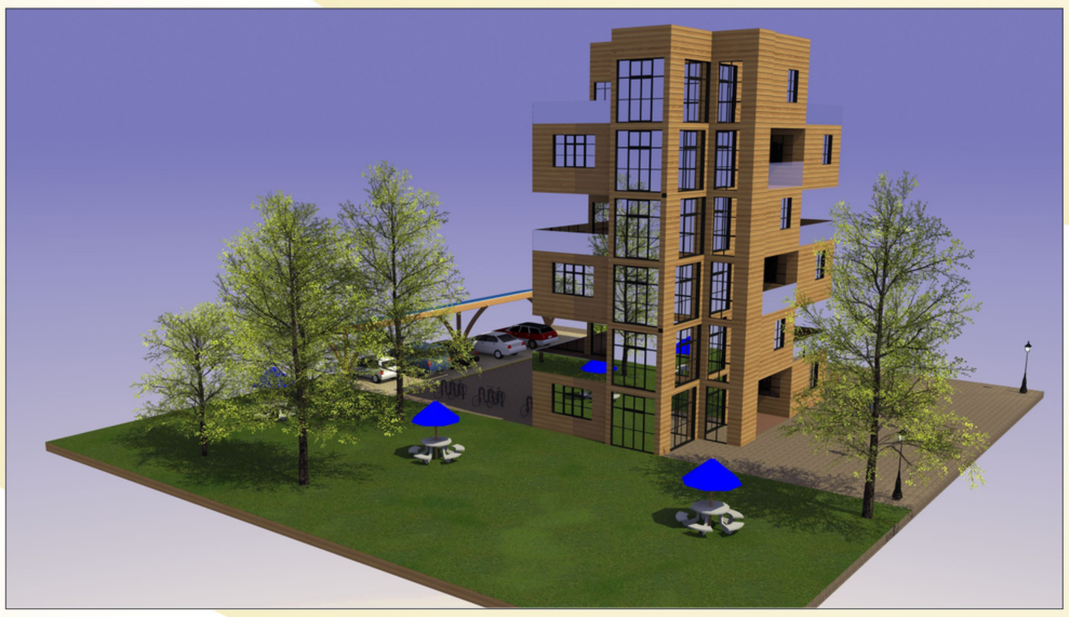
First Floor



Ground floor







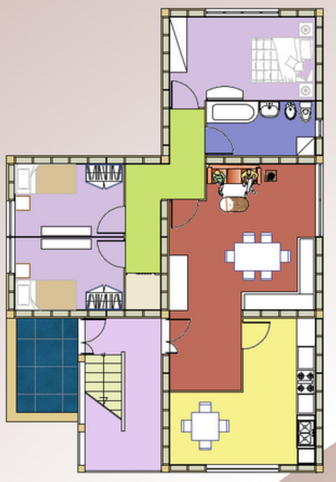
First Floor

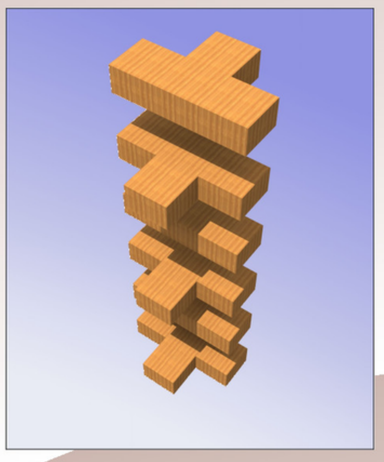


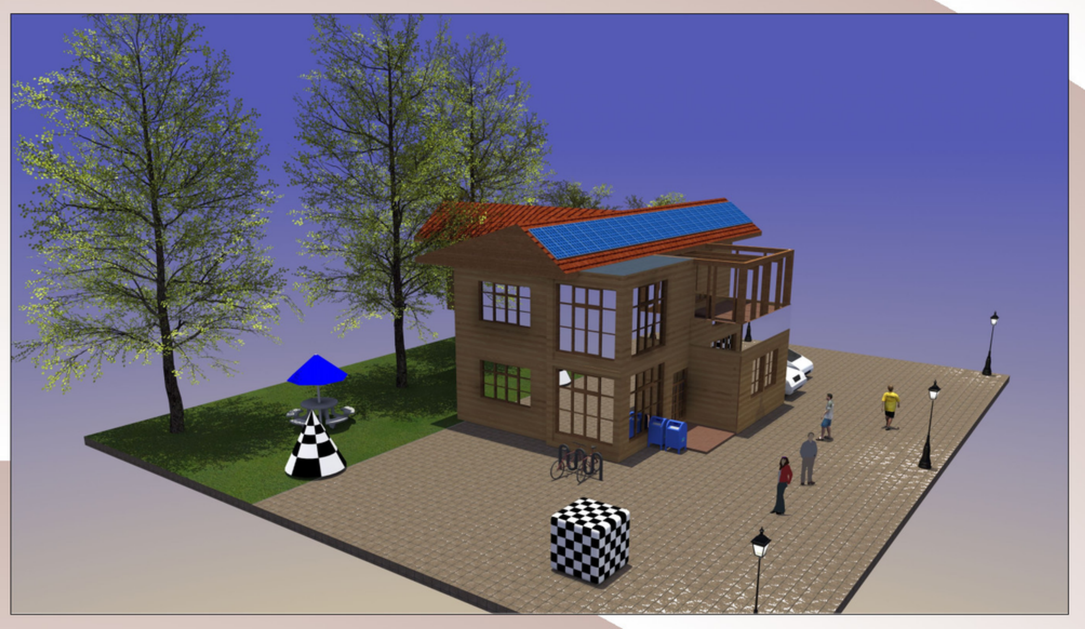


Ing. Giuseppe Mosca

Open Source Wood







Ground floor

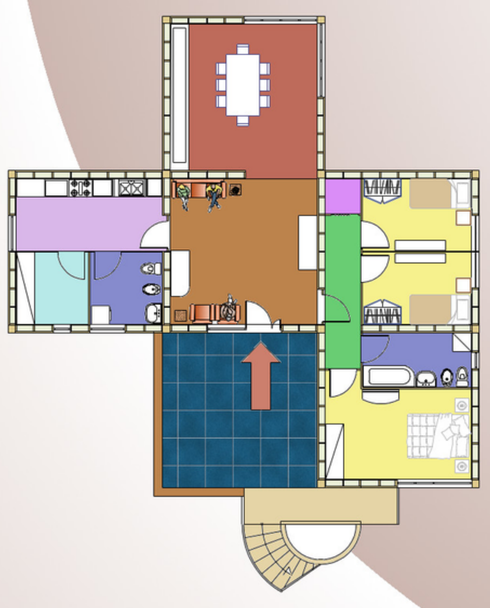






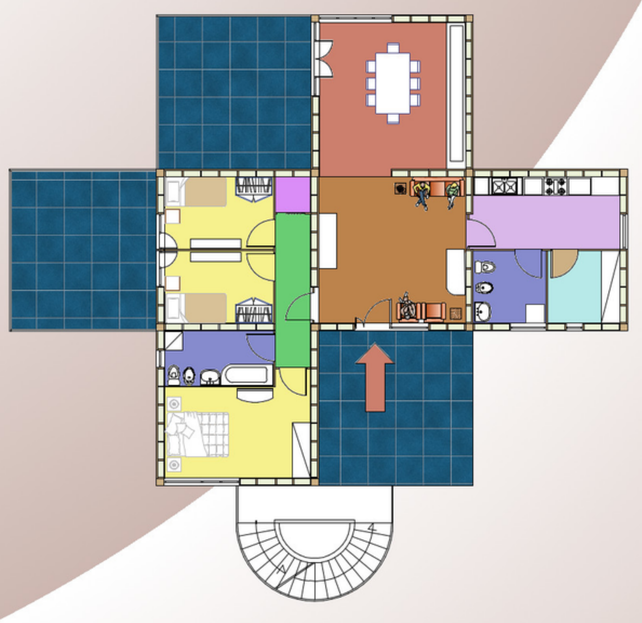
First Floor





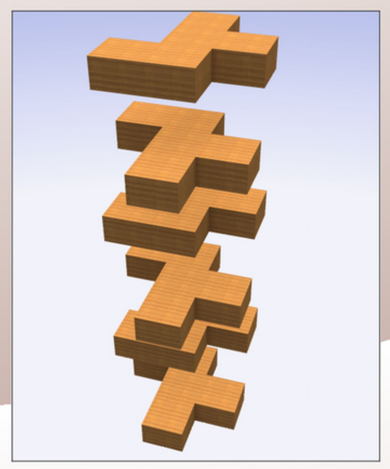
Ground floor





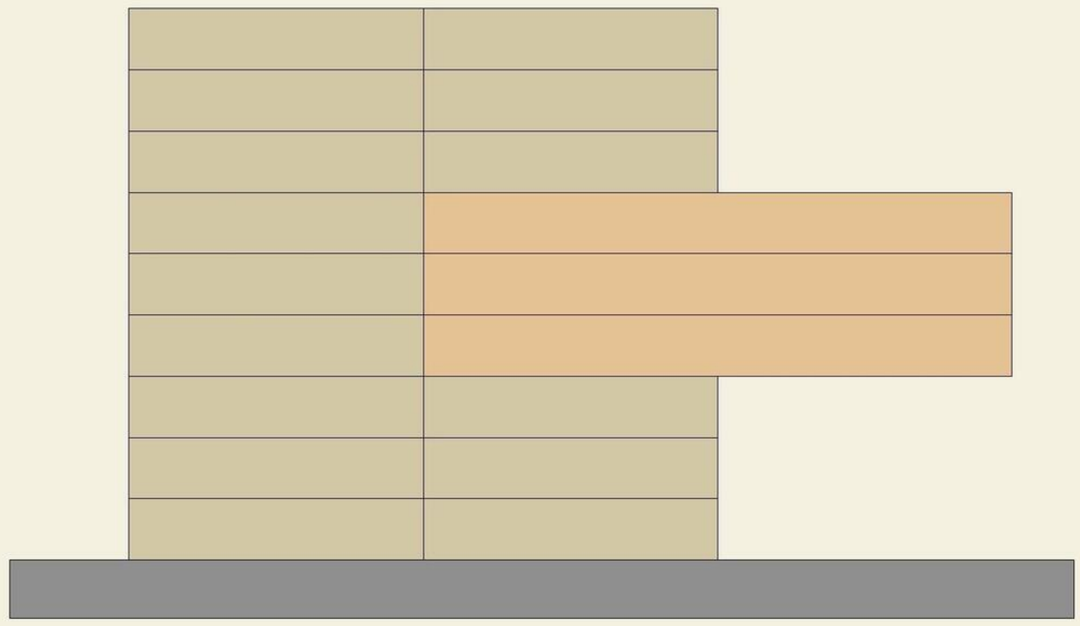
First Floor





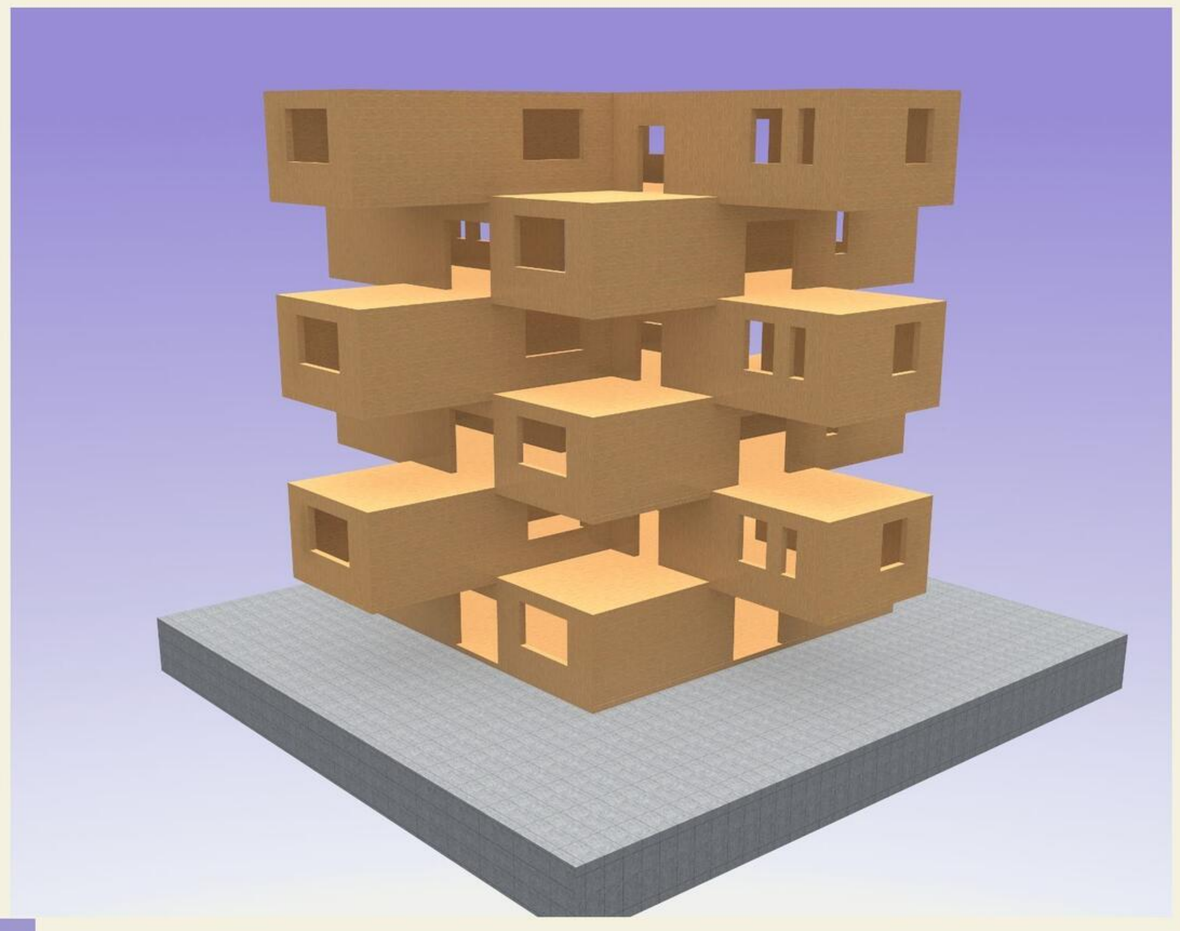
Ing. Giuseppe Mosca

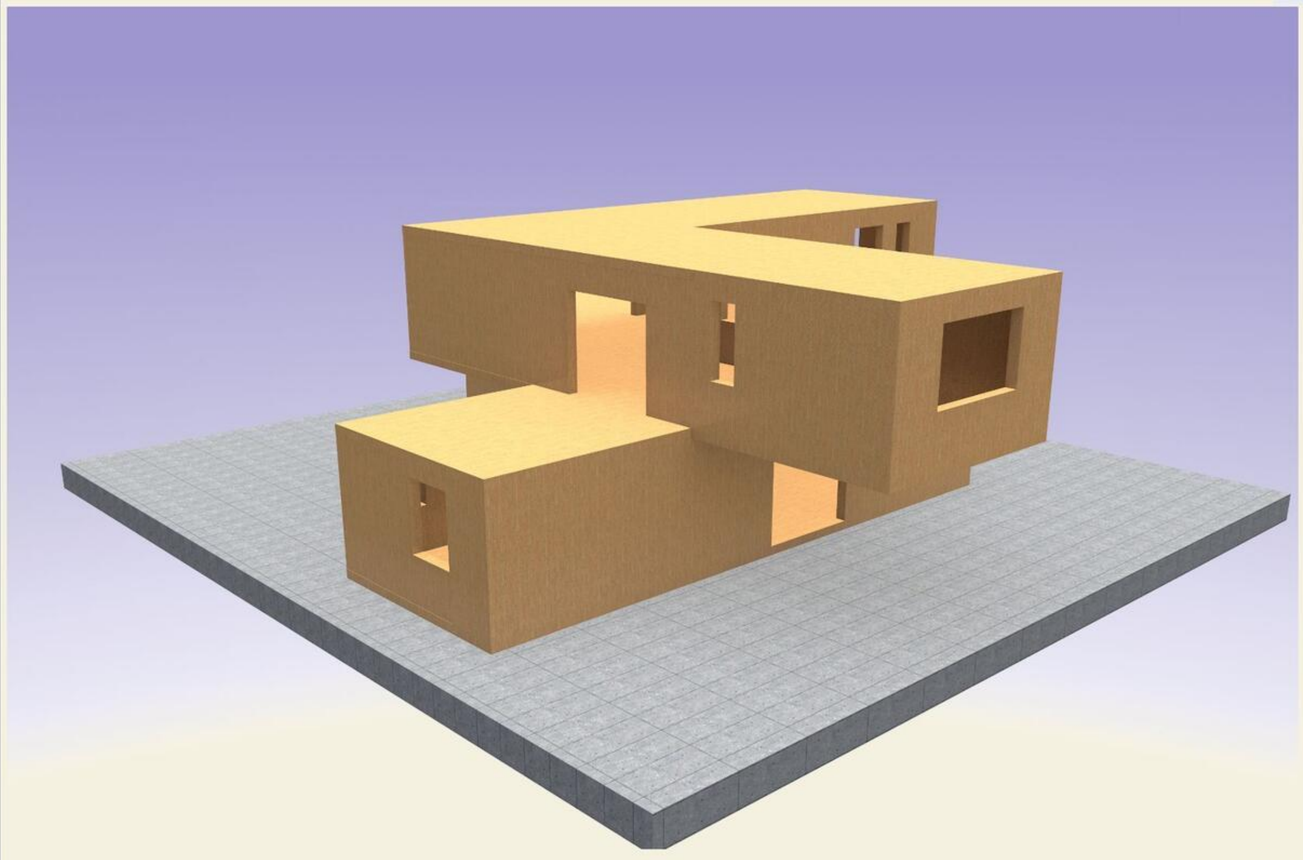
Hybrid City



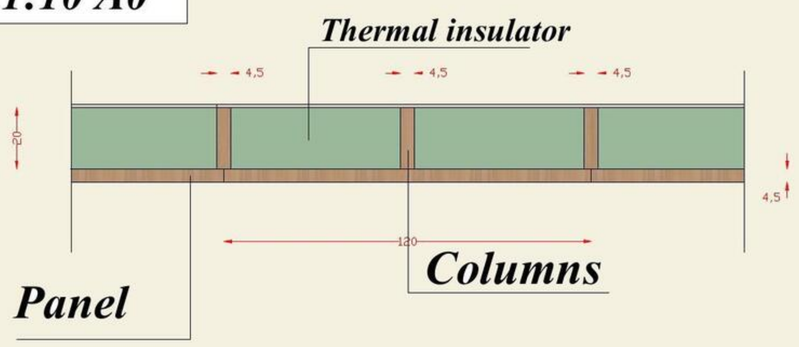


Cantilever-Wall



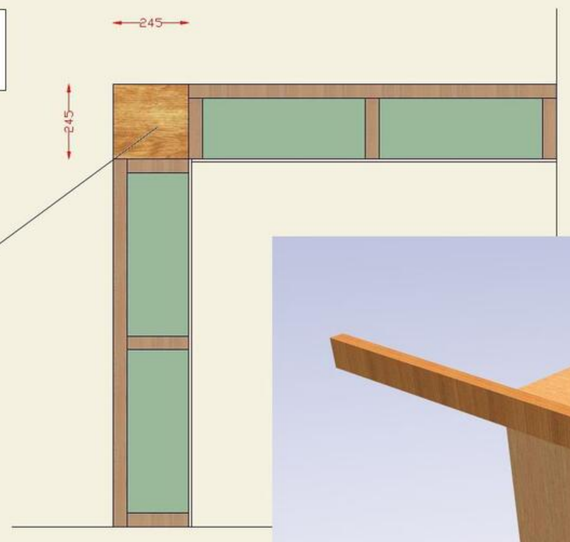


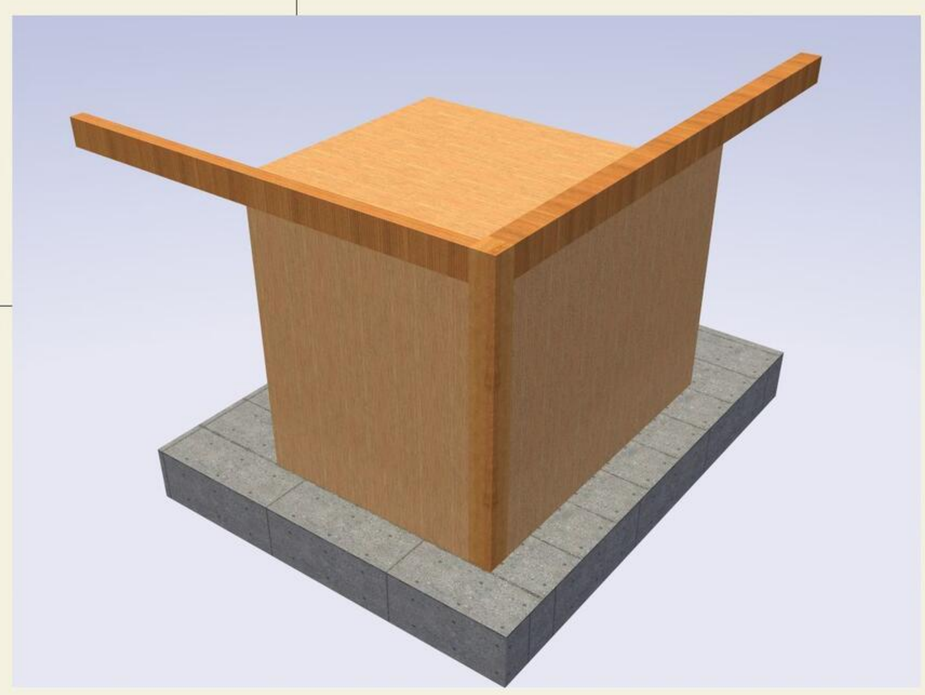
Scale 1:10 A0

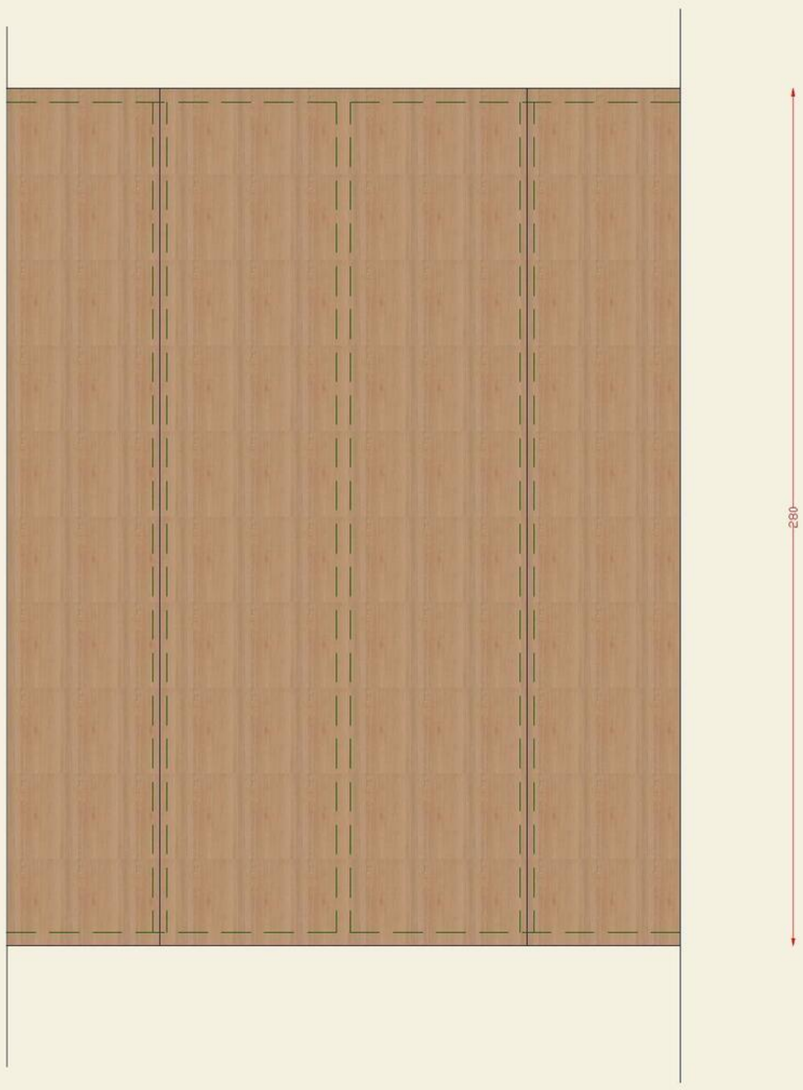


Wall

Transmittance
K = 0,19W/mq*°K









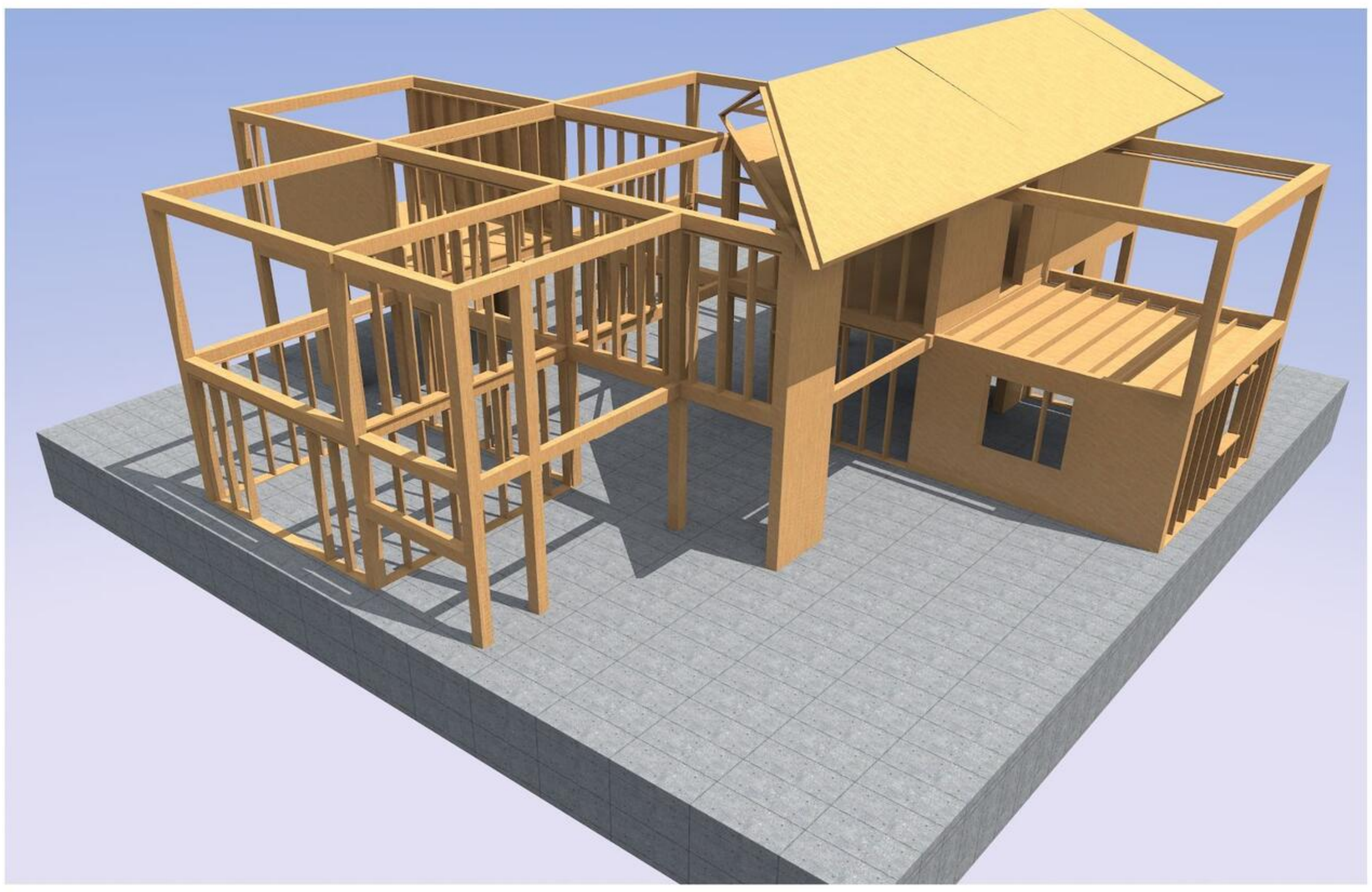


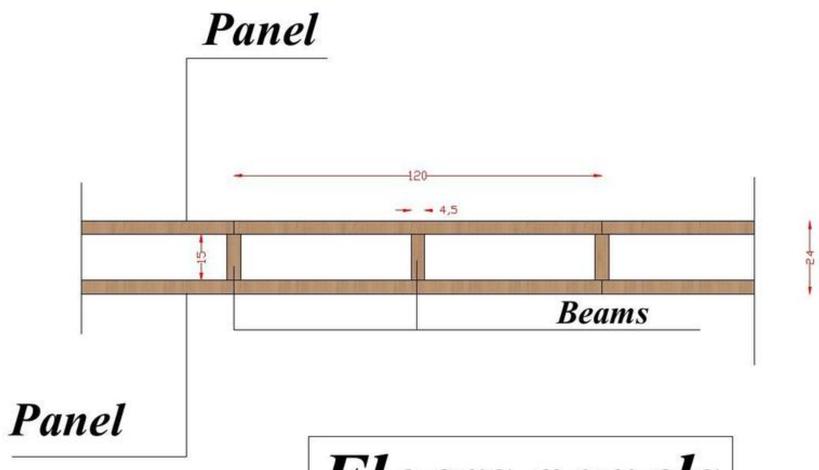
The construction system used is a hybrid system that allows to support cantilevered plans that could not be made; the only way to support cantilevered floors without pillars is to use horizontal panels anchored inside our building whose great flexural rigidity is able to attenuate vibrations and cope with bending moments. The presence of openings on the side walls interrupts the continuity of the horizontal panels for which a system has been used that combines the advantages of the framed structures with the vertical panel structures. The pillars inserted in the corners, the edge beams in the two directions, the vertical walls with the uprights give our building a good resistance and rigidity both against horizontal actions such as wind or earhquake and for the vertical actions for which you are in also able to build buildings with a high number of floors with cantilevered floors.

Hybrid City

Scale 1:10 A0

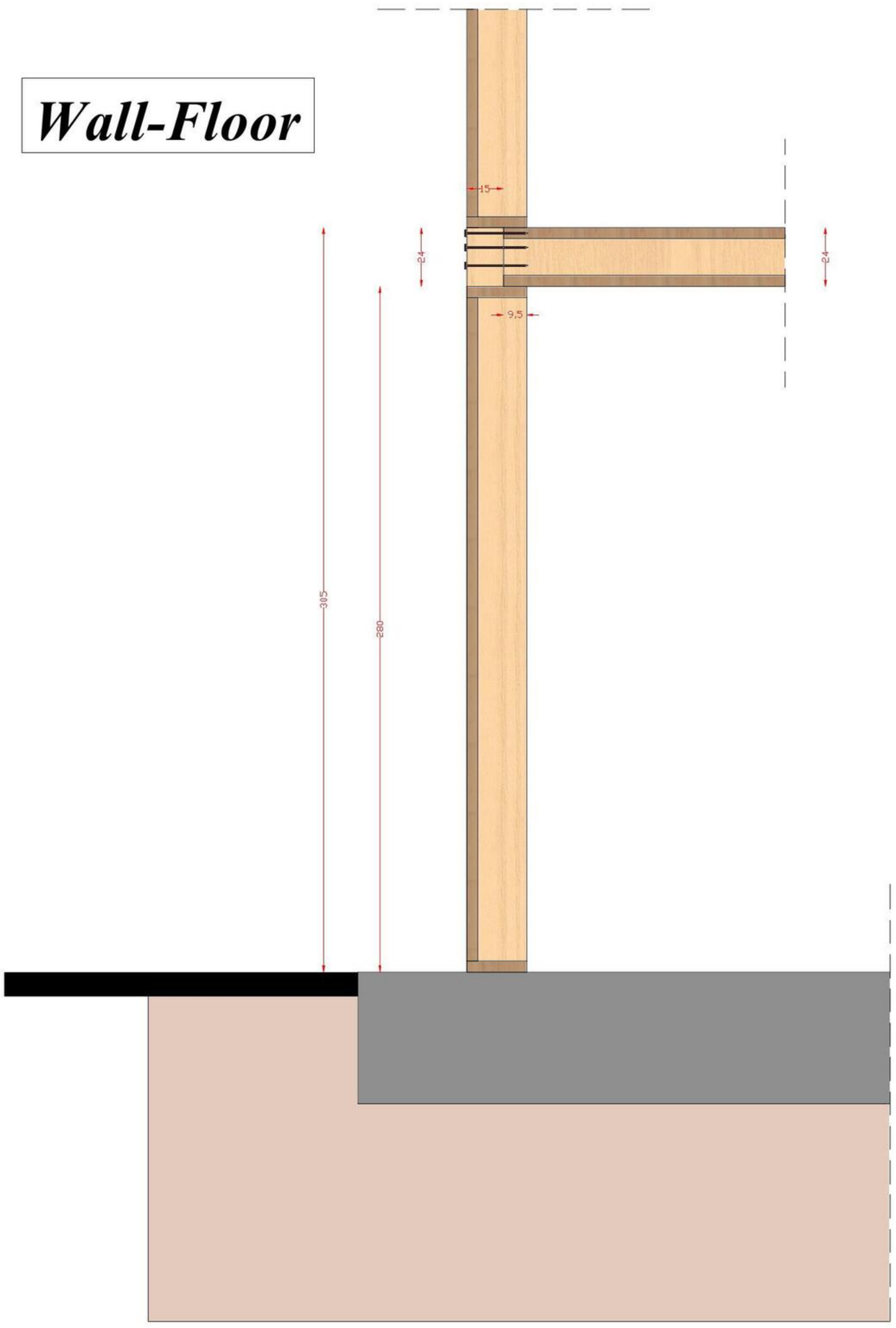
Hybrid City

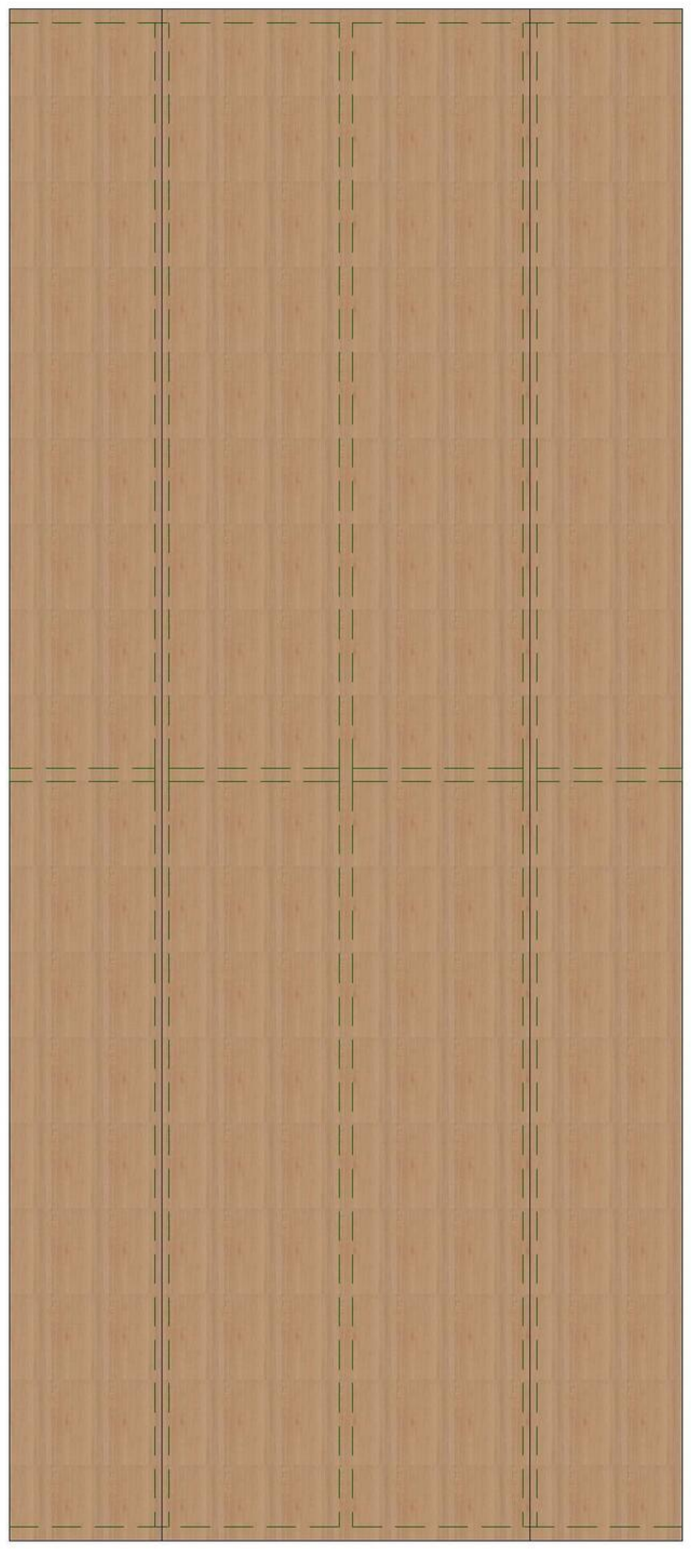




Floors panels

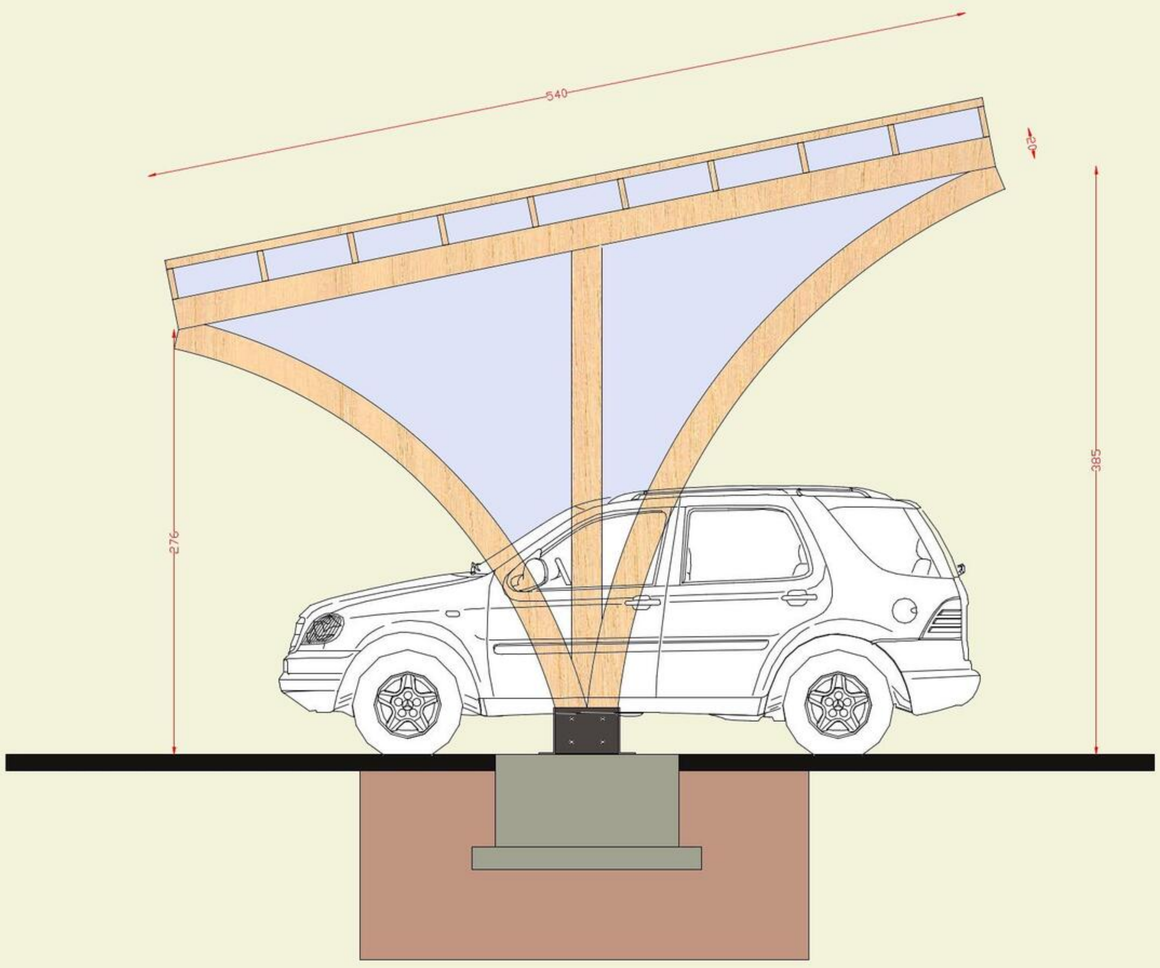
Wall-Floor





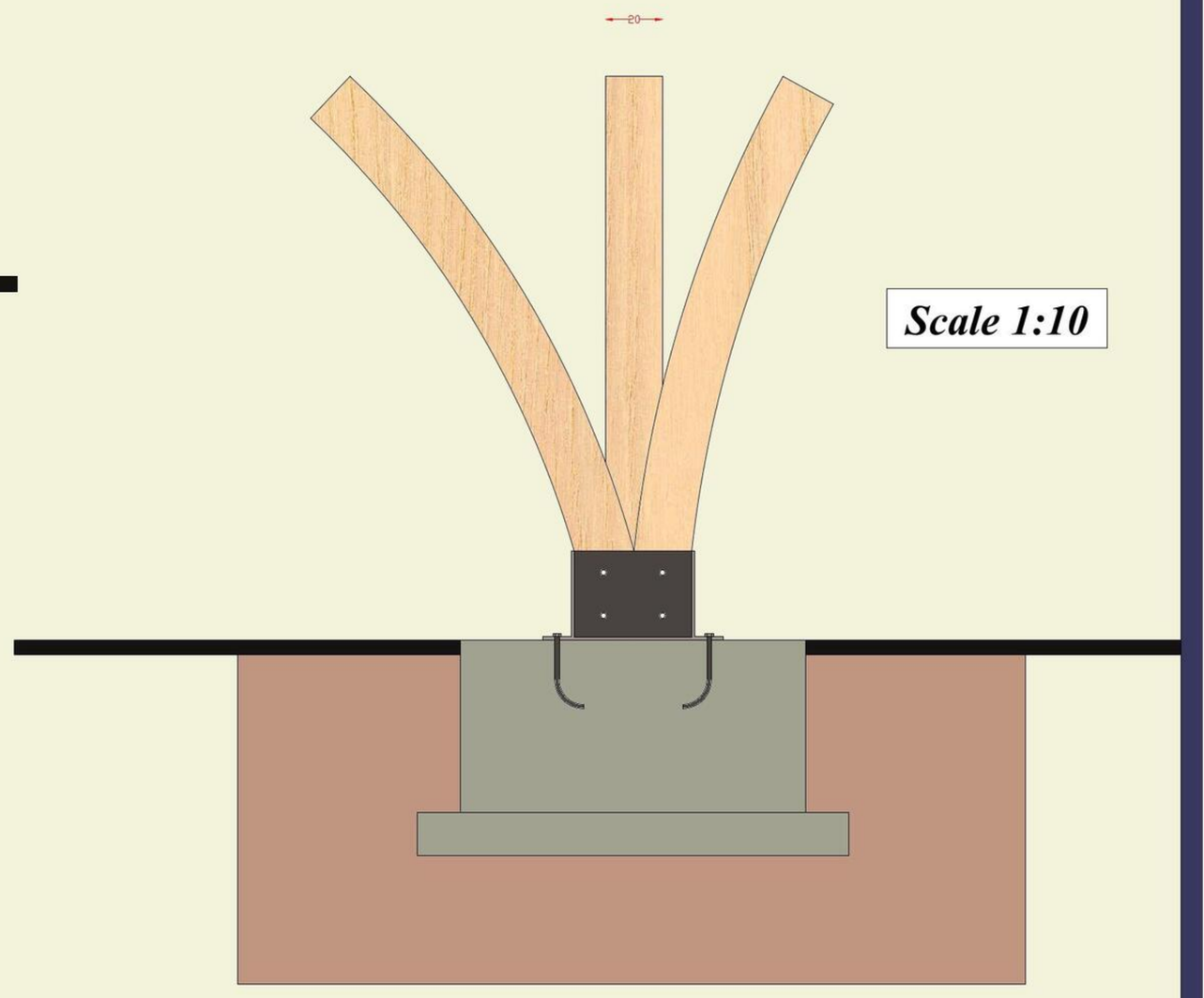
Hybrid City

Scale 1:20



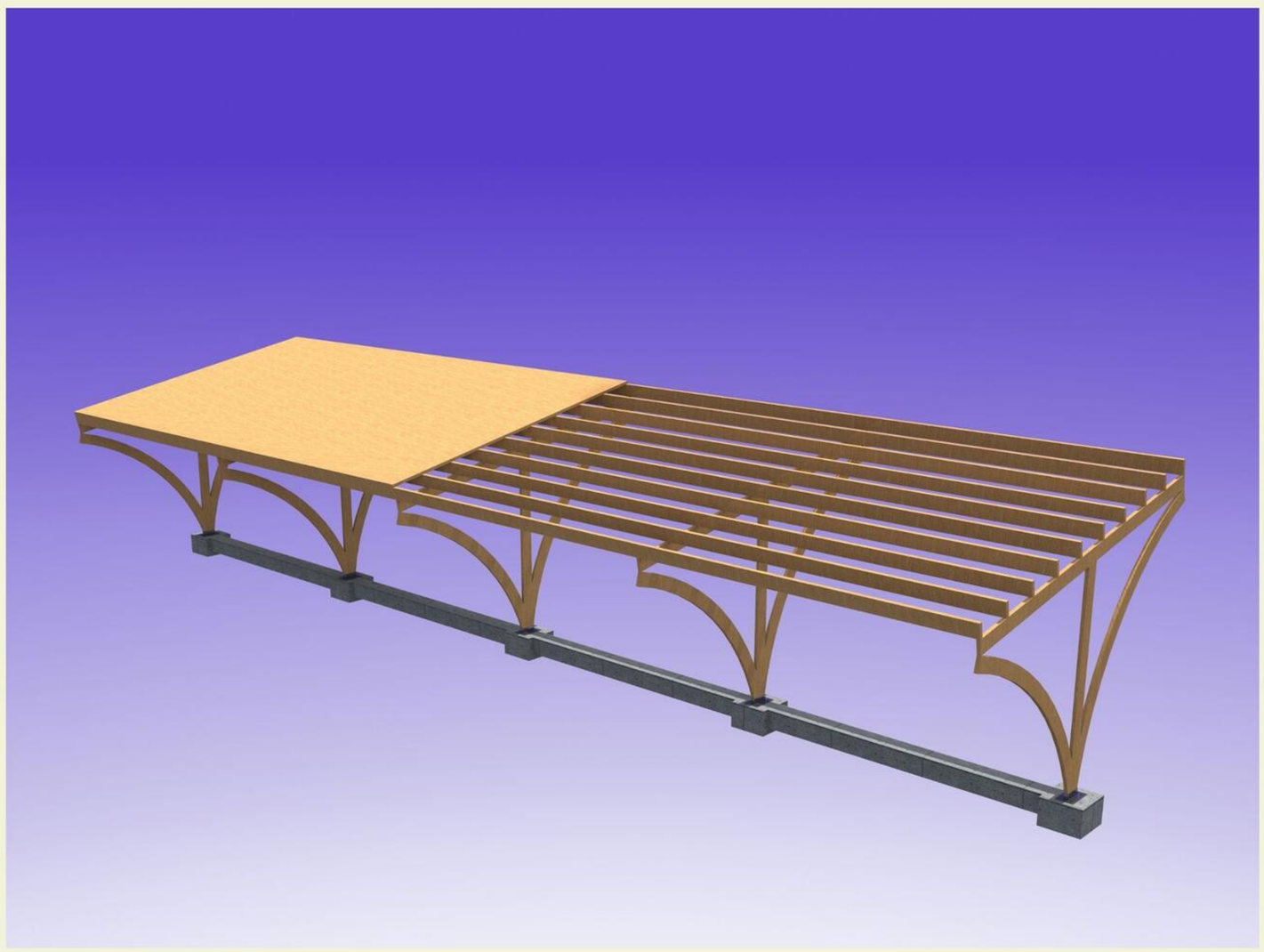


Shelter

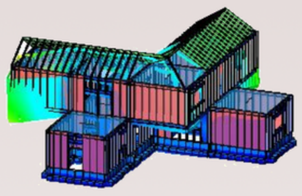


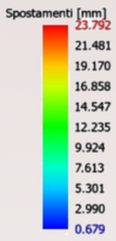
Scale 1:10

Particular Foundation



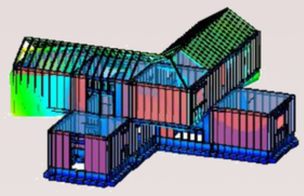


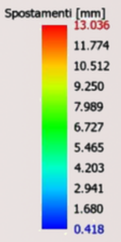




Fundamental frequency of oscillation 4 Hz

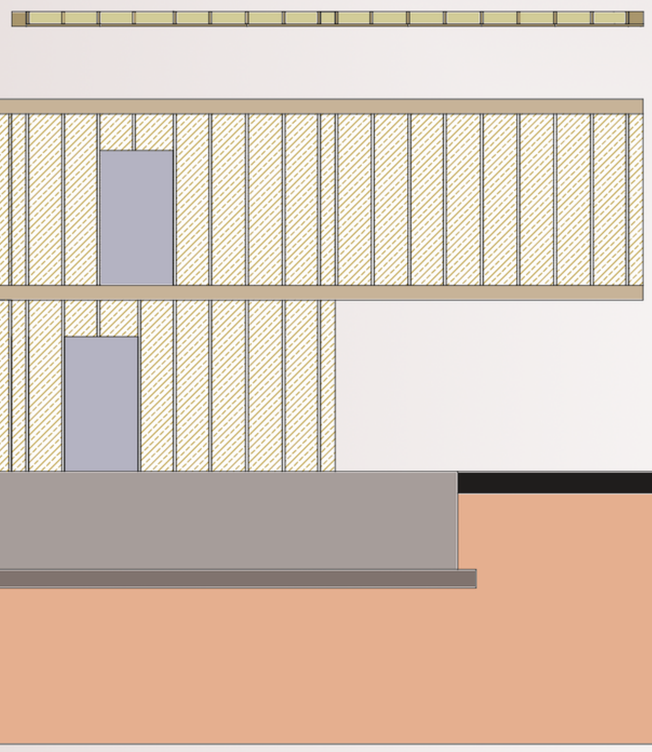
The monolithic wooden module vertical panels and floors has a box-like behavior with an increase in bending and cutting stiffness, assimilating the block to a rectangular tube of great inertia. FEM modeling involves horizontal and vertical plate shell elements, a correct calculation should consider one band with two limit schemes: rectangular tube and vertical and horizontal plate shell elements.



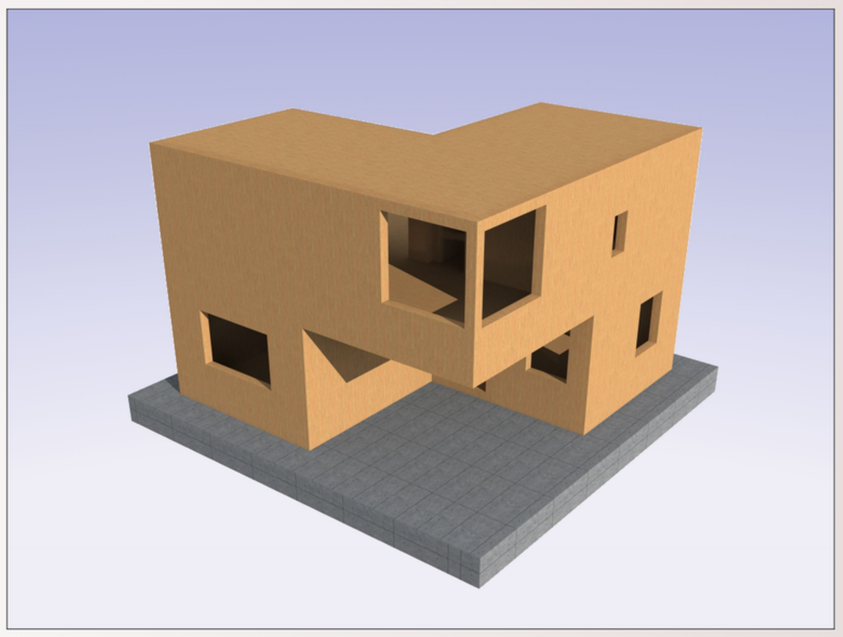


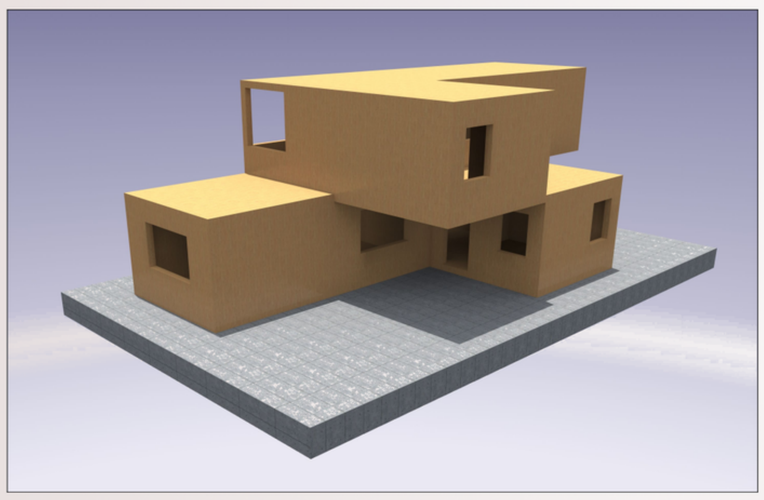
Vertical seismic actions

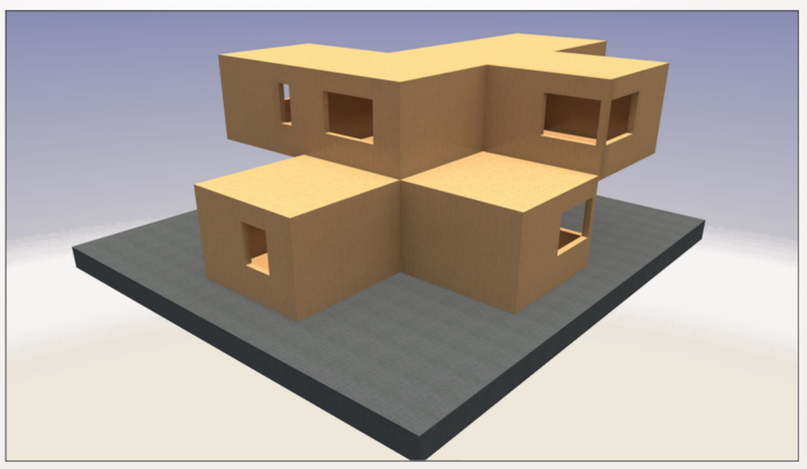
Vertical loads



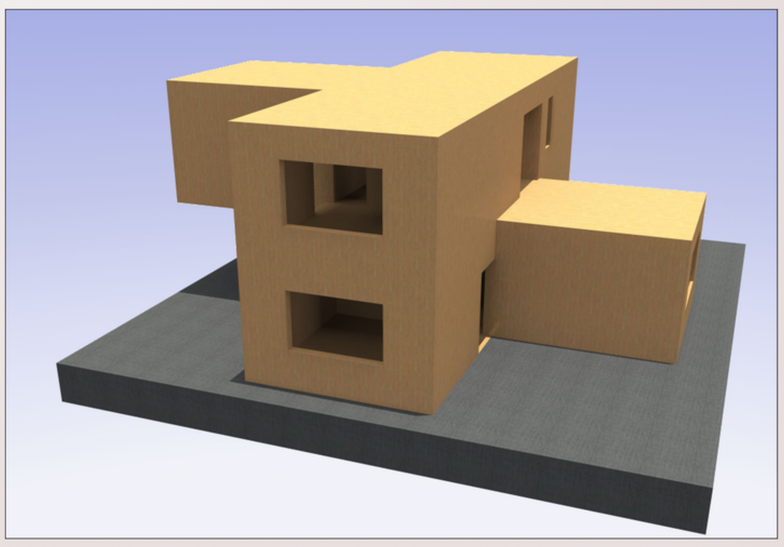
Cantilever wall



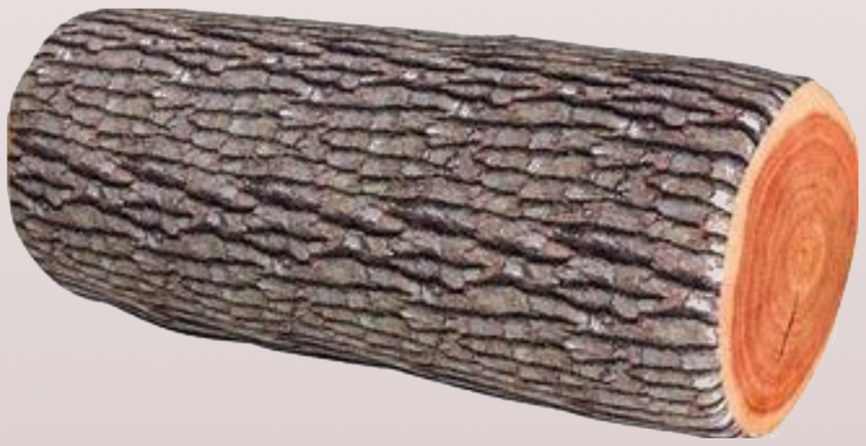




Open Source Wood

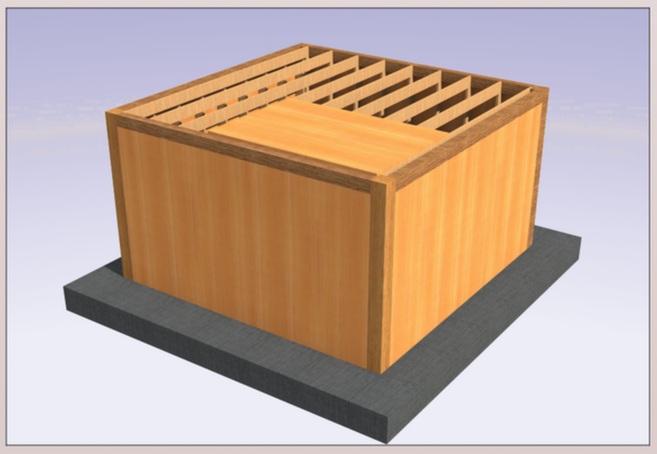






*Volume H*π*D²/4*

Volume of wood 28 mc basic module two trees



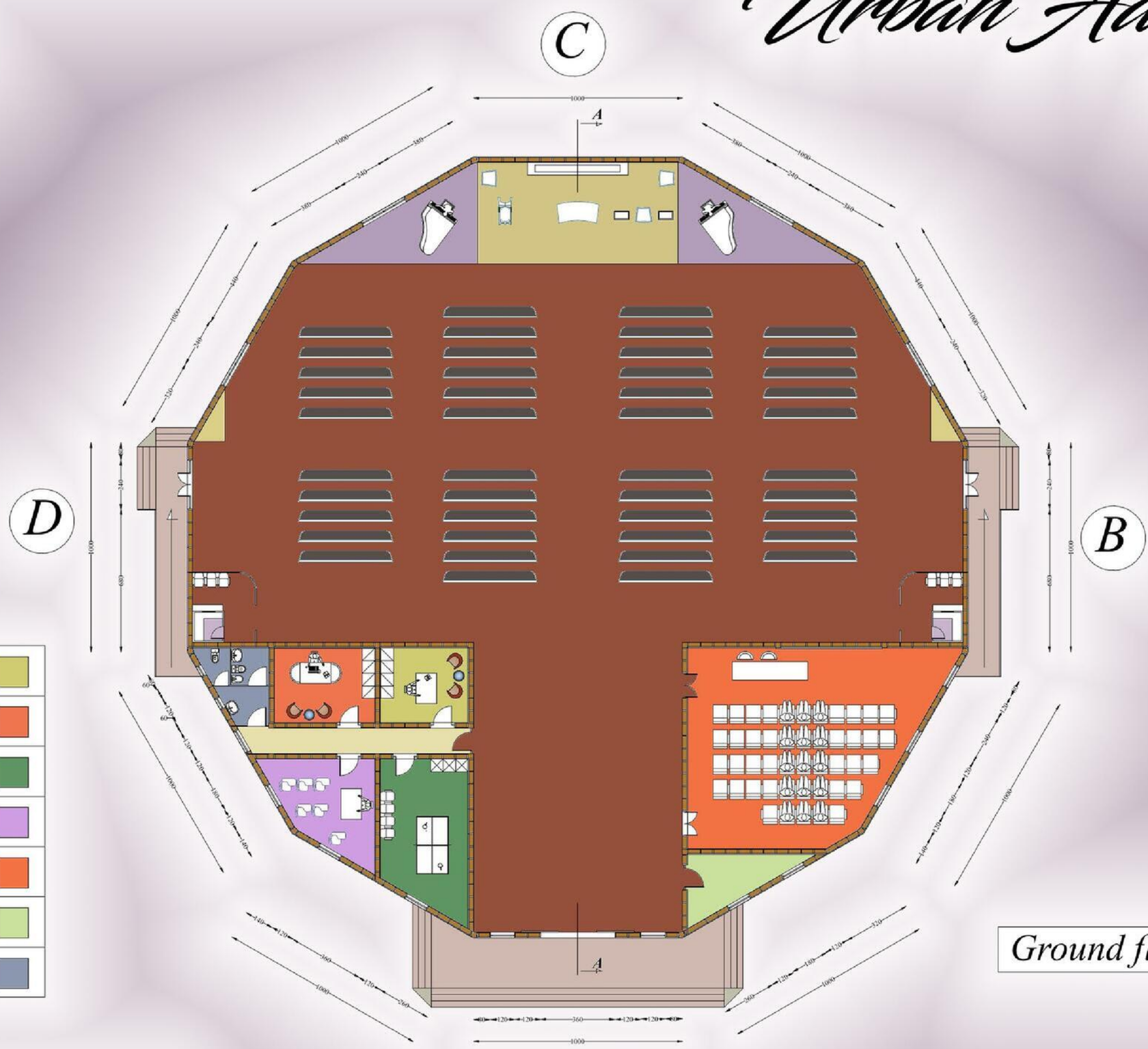
Ing. Giuseppe Mosca

The Urban Adaptation Metsa Wood Finlandia



Scale 1:100 A0
Scale 1:200 A2

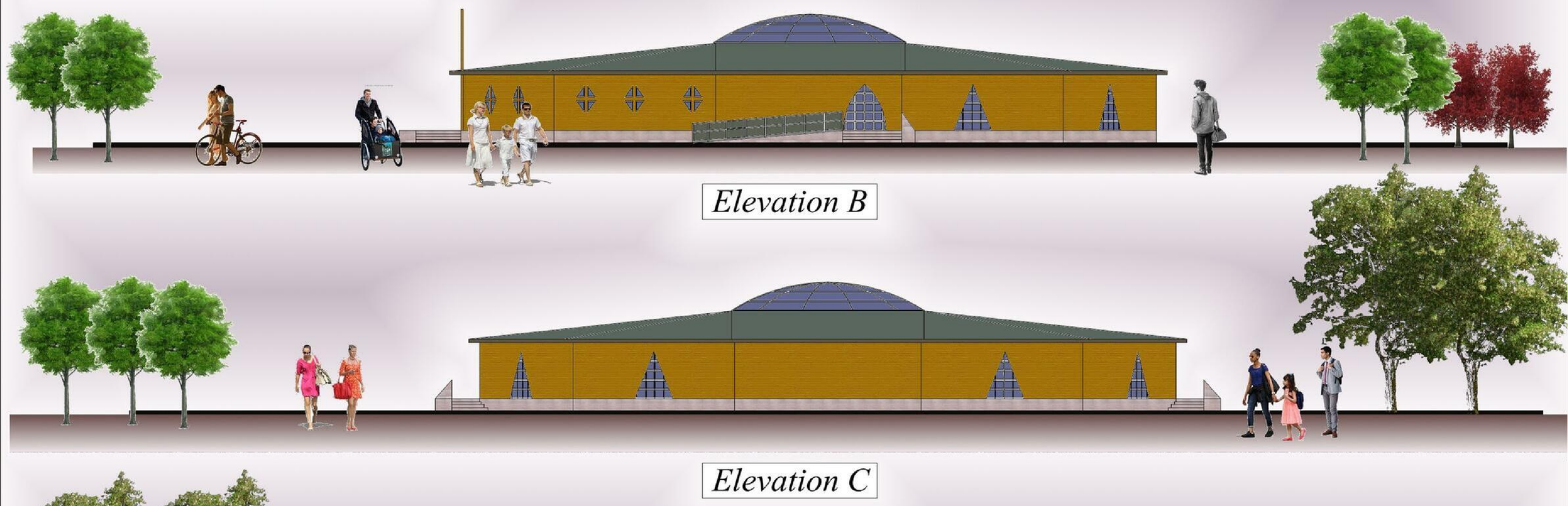
Urban Adaptation



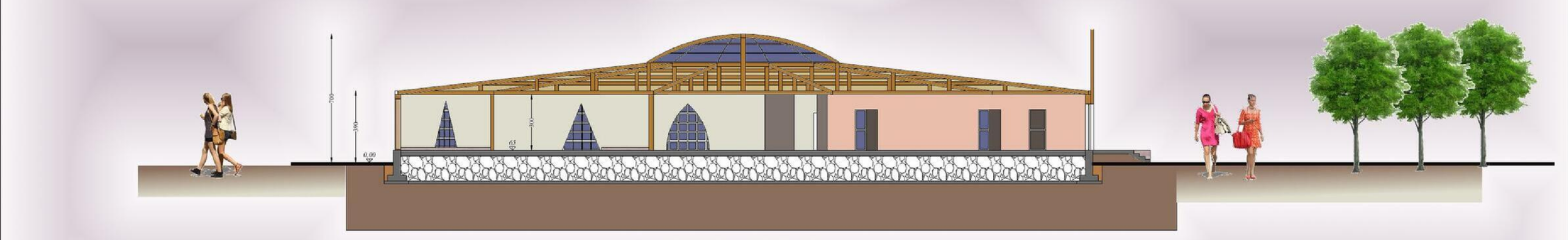
- Sacristy
- Parish Office
- Boys room
- Catechism room
- Meeting room
- Technical room
- Toilet

Ground floor plan

Church - Auditorium



Elevation B



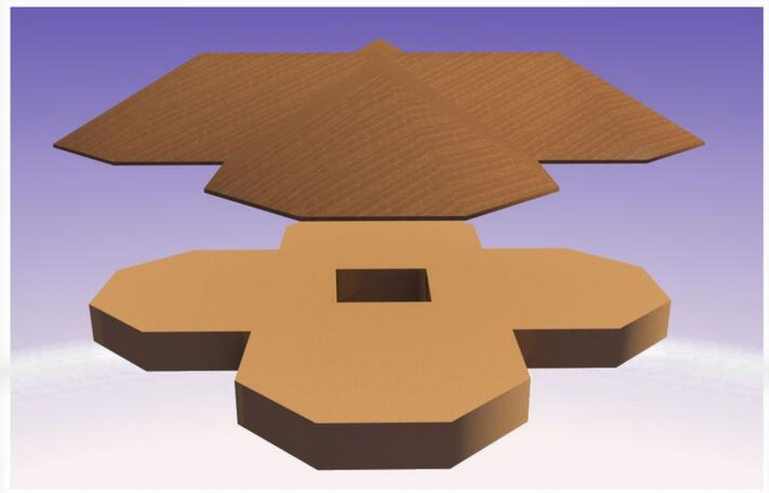
Elevation C

Elevation D

Section A-A

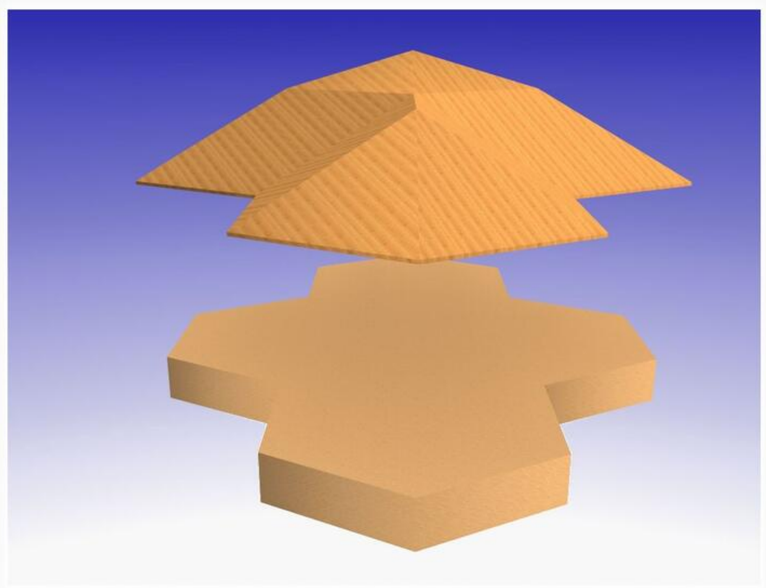


Octagons



Urban Adaptation

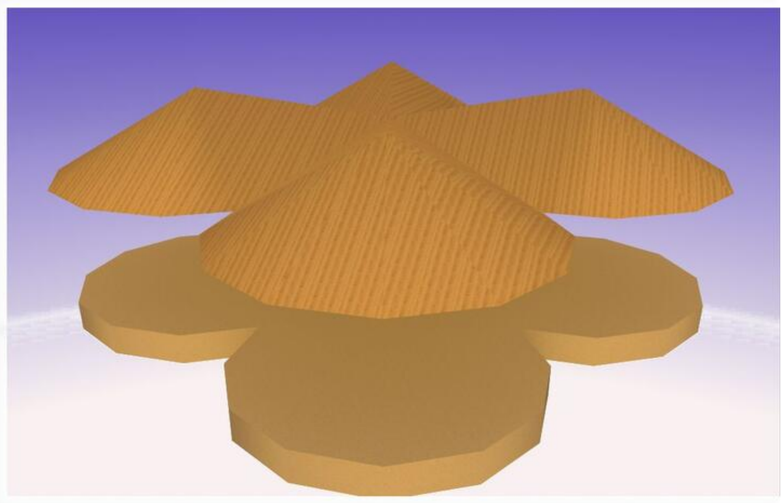
Hexagons

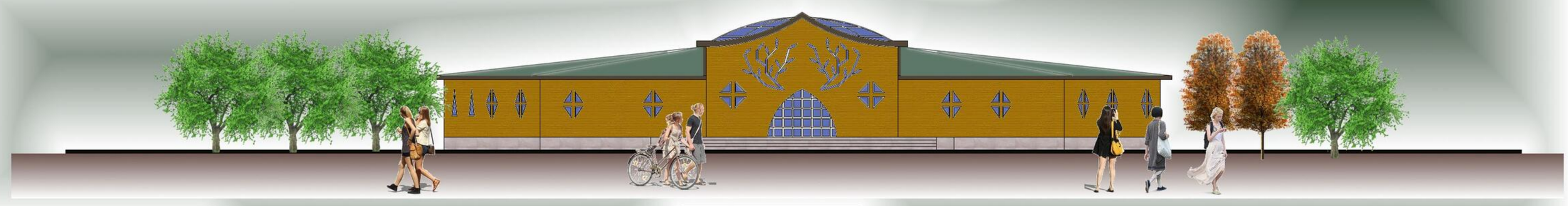






Dodecagons





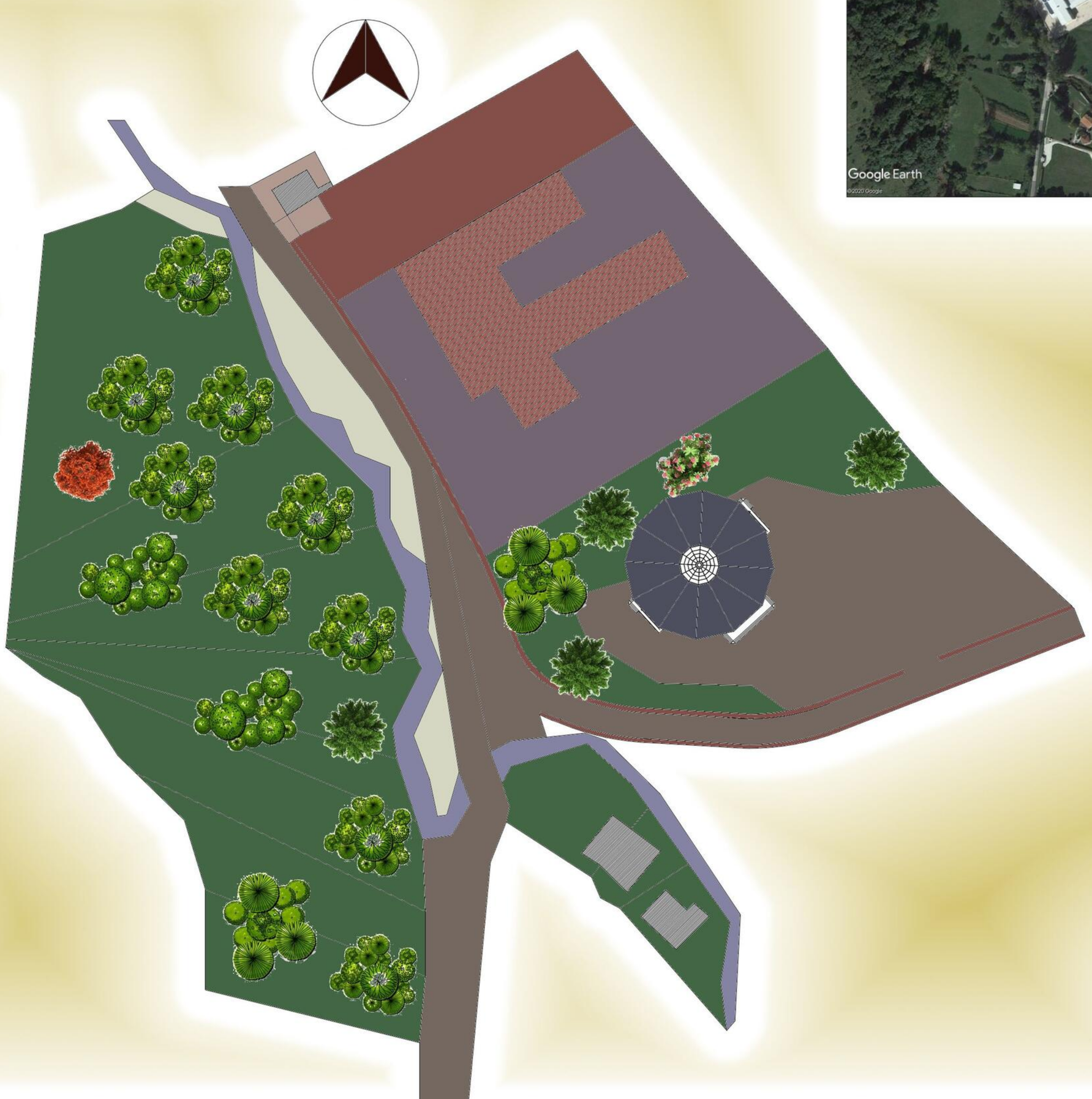
Elevation A

Scale 1:100 A0
Scale 1:200 A2

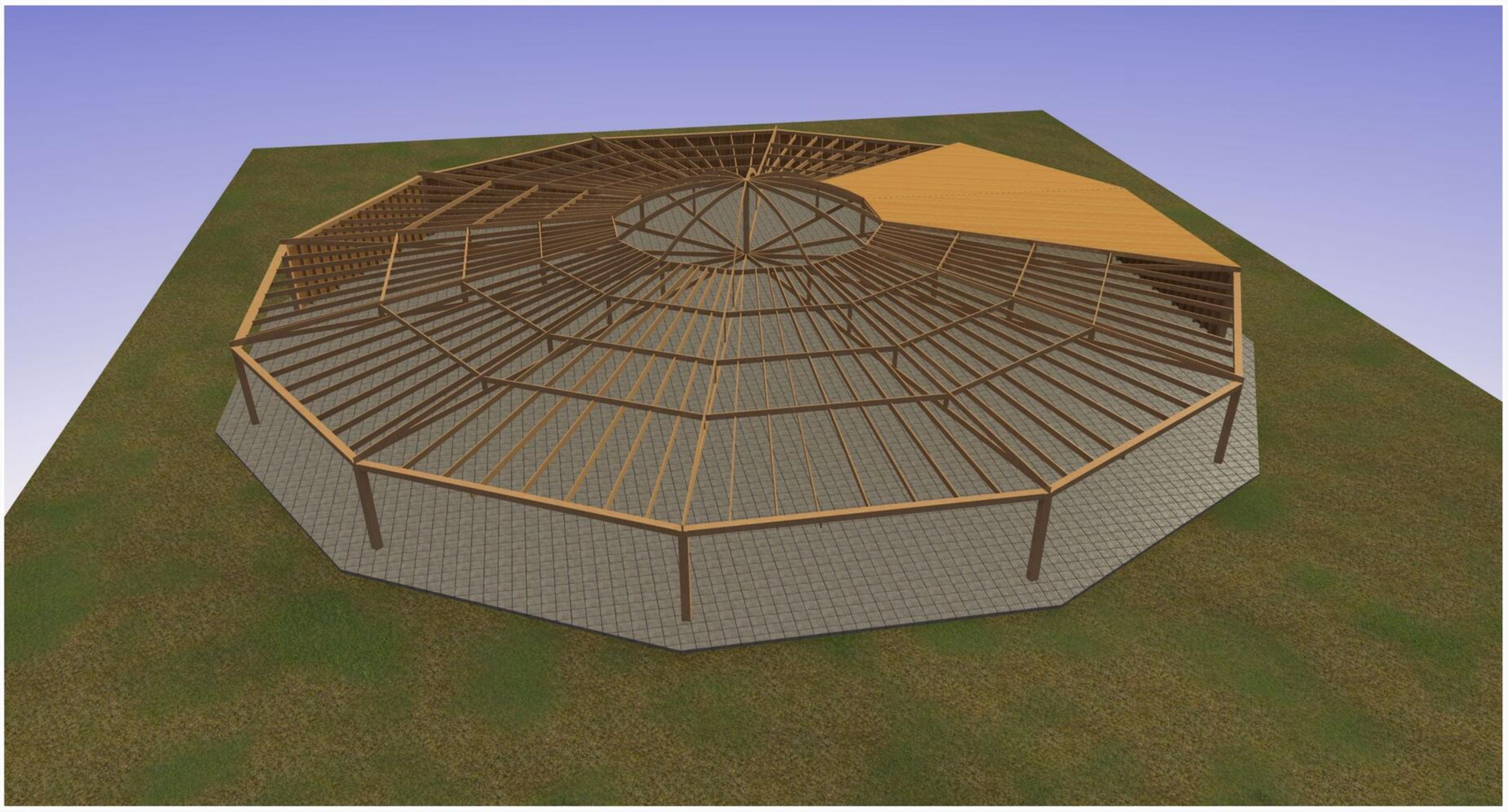


Urban Adaptation





Planimetry
Scala 1:500 A0
Scala 1:1000 A2



Structure



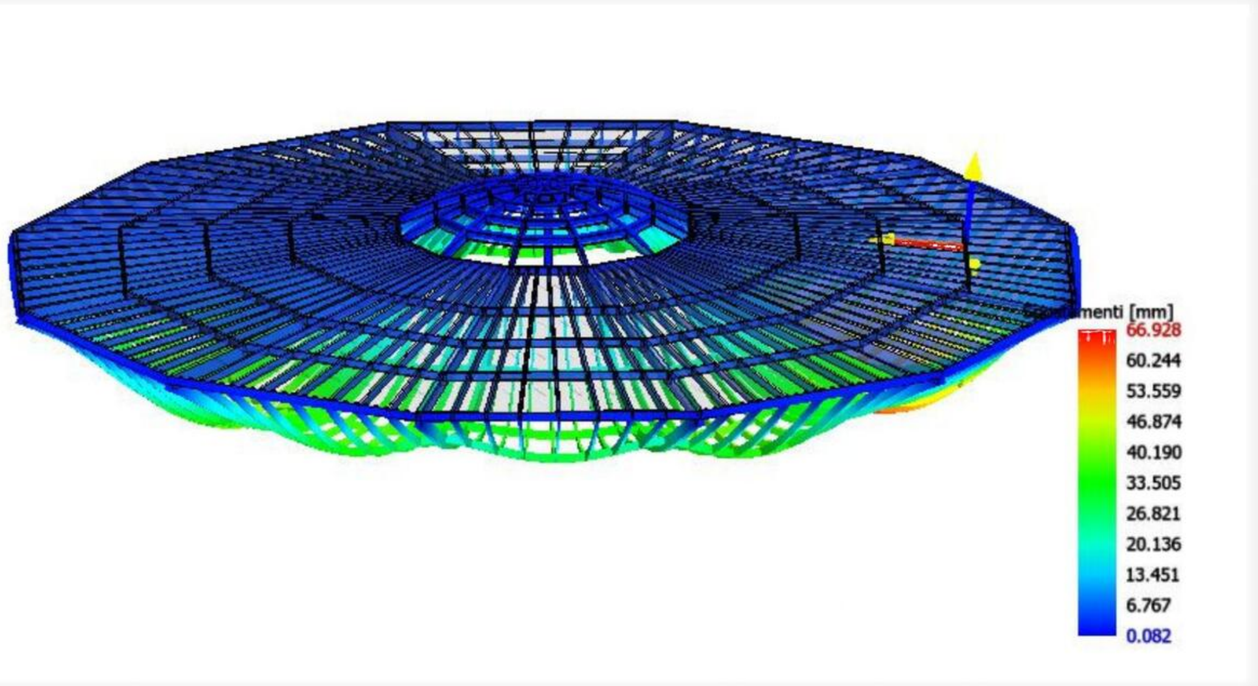


Windows Panel

Urban Adaptation

Permanent load 50 daN/m²
Snow load 150 daN/m²
Wind load 120 daN/m²

Buckling Analysis α= 11,25 >10
Vertical seismic actions
Volume of wood 100 mc 7 trees

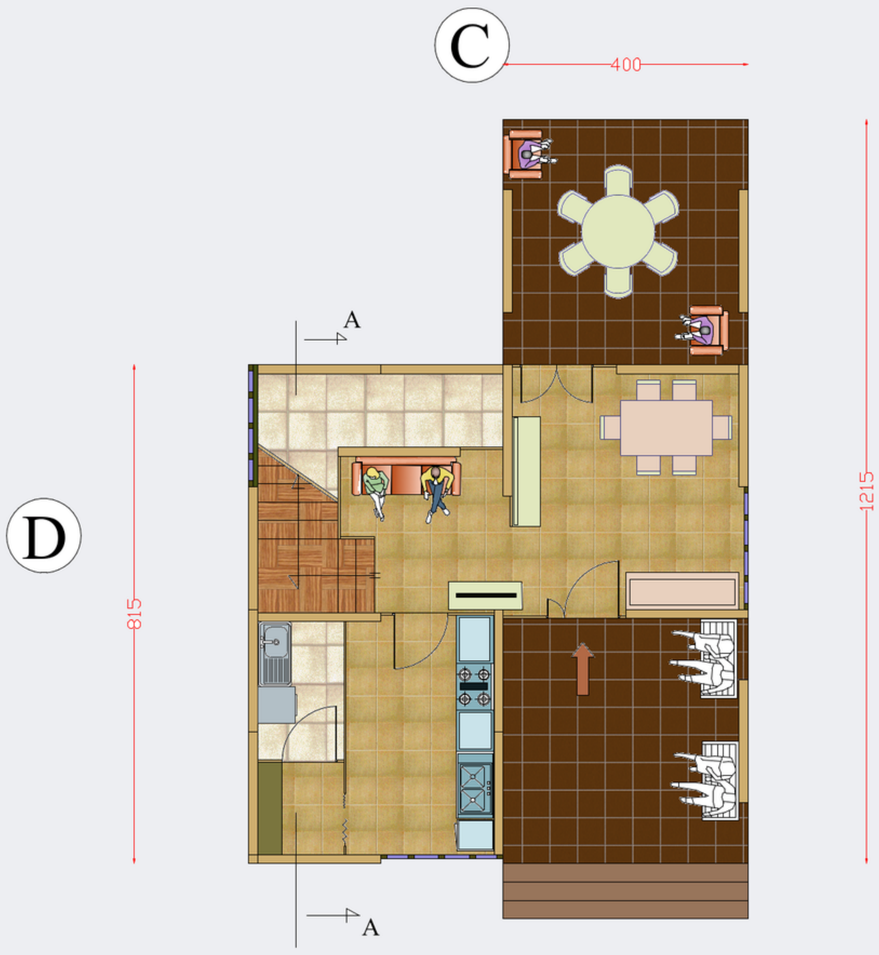


Deformation

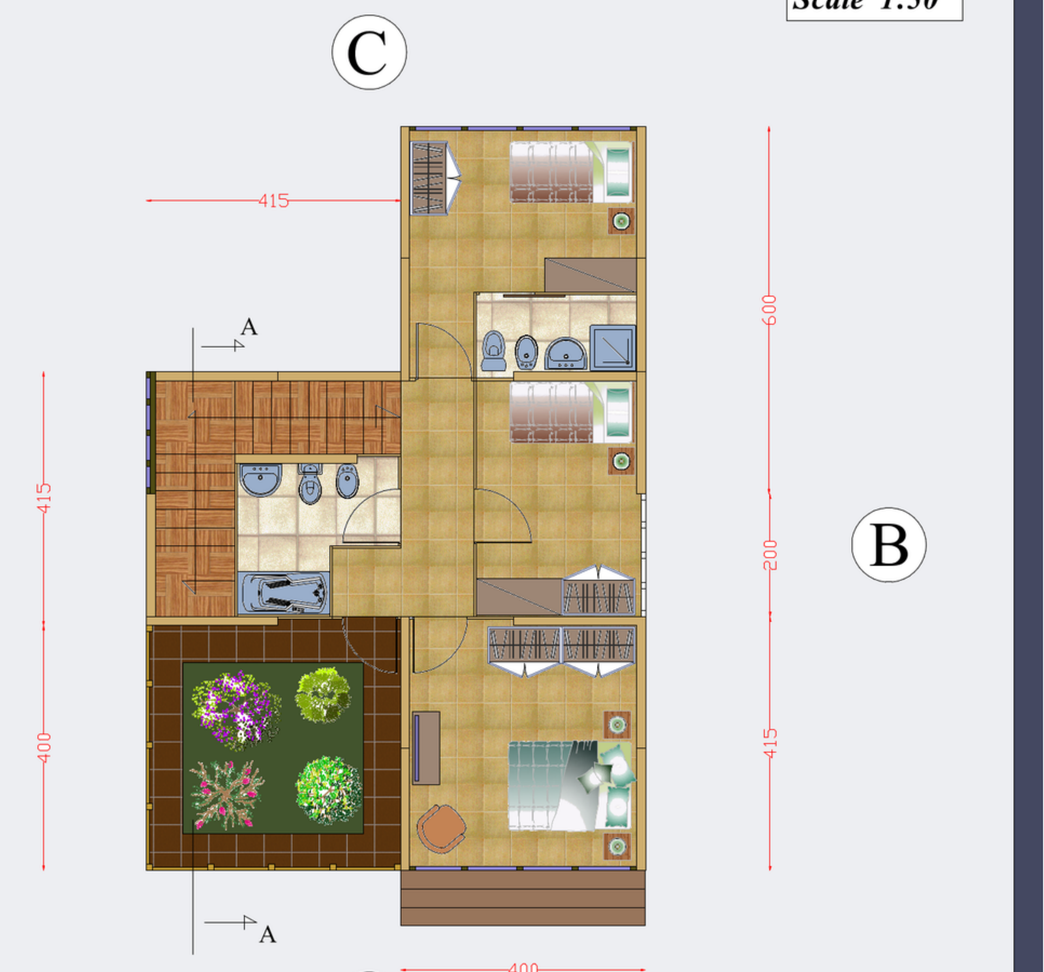
Sky City Challenge ; The future of housing Cina



Scale 1:50



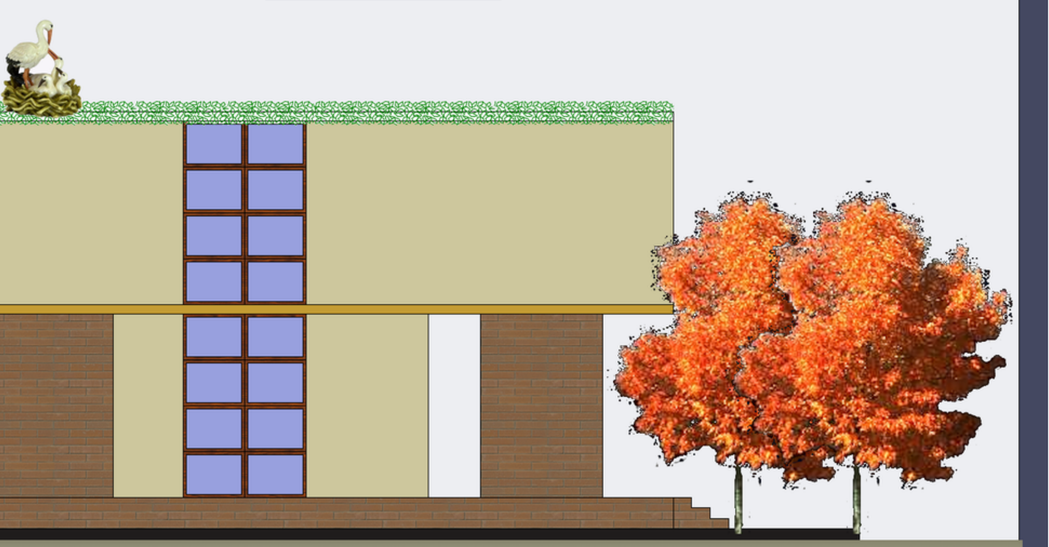
Plan Ground Floor



First plan Floor



Elevation A



Elevation B



Elevation D

Section A-A

Elevation C

Roof plant

Photovoltaics System
27 m² Power 4 Kwp

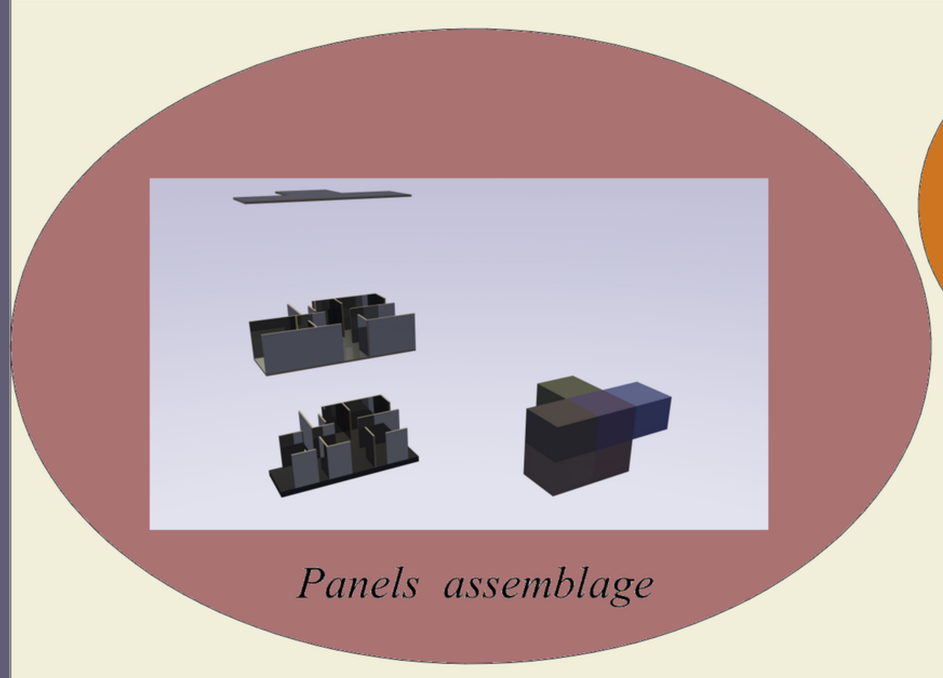
0344



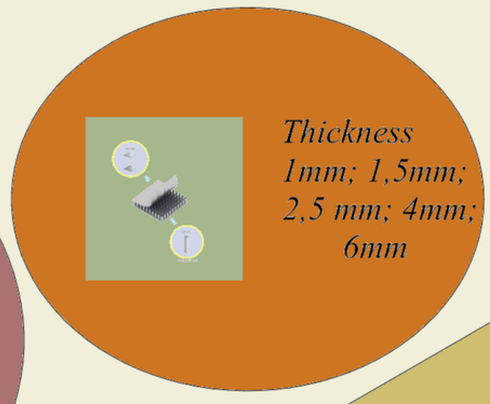






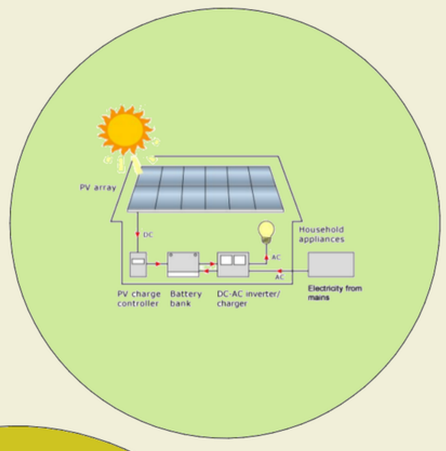


Panels assemblage



Thickness
1mm; 1,5mm;
2,5 mm; 4mm;
6mm

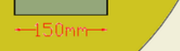
The Bcore panel is an innovative material that combines high resistance to cutting and bending with good characteristics of acoustic thermal insulation combined with the lightness of the panel. It consists of two metal plates of stainless steel with a reduced thickness of a few mm connected to prevent the instability of the plates from metal core tubes, all filled with insulating material such as rock wool. The panels are modular with a width of 2 meters and a height of 3 meters for the vertical panels while for the horizontal ones made on a 12 m long slab that is cut according to the needs. The construction system lends itself very well to the construction of structures resistant to the actions of the earthquake for to the high resistance to the horizontal actions of the single panel its high rigidity and reduced mass; as regards wind actions, an adequate connection must be guaranteed in the foundation capable of withstanding horizontal actions.



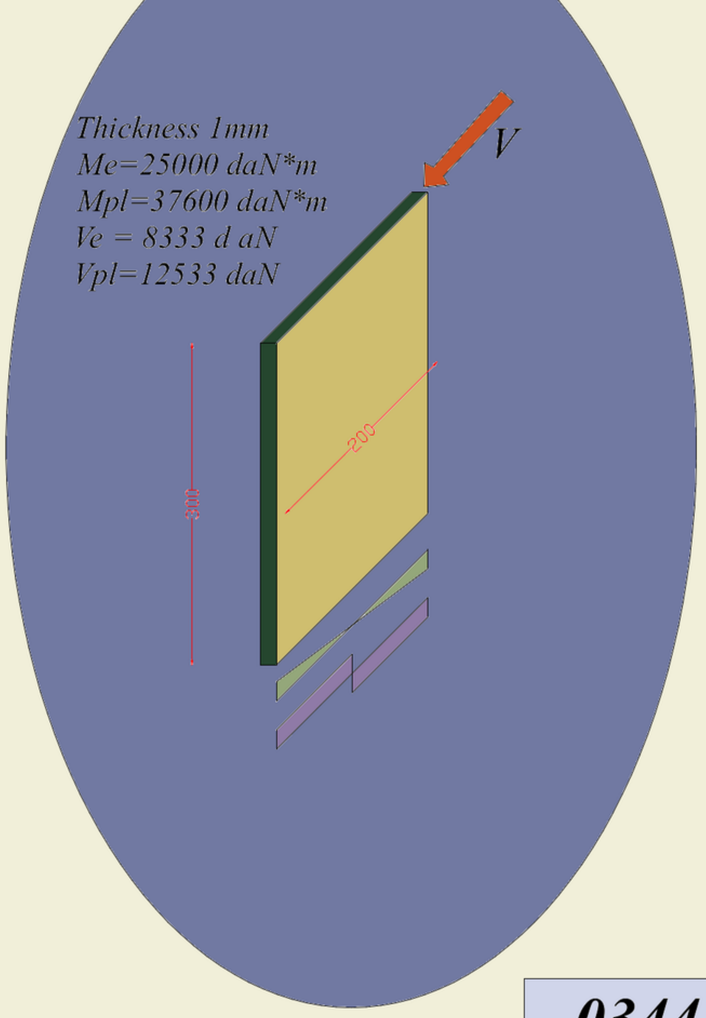
Thermal insulating

Panel

Transmittance
*0,255 W/mq*C°*



Thickness 1mm
*Me=25000 daN*m*
*Mpl=37600 daN*m*
Ve = 8333 d aN
Vpl=12533 daN



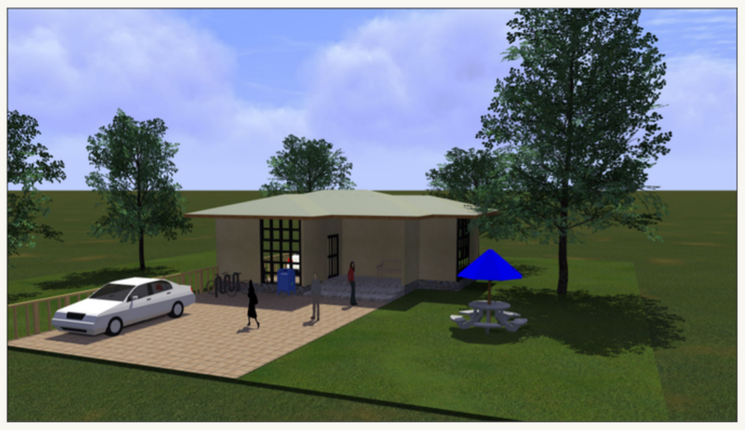
0344



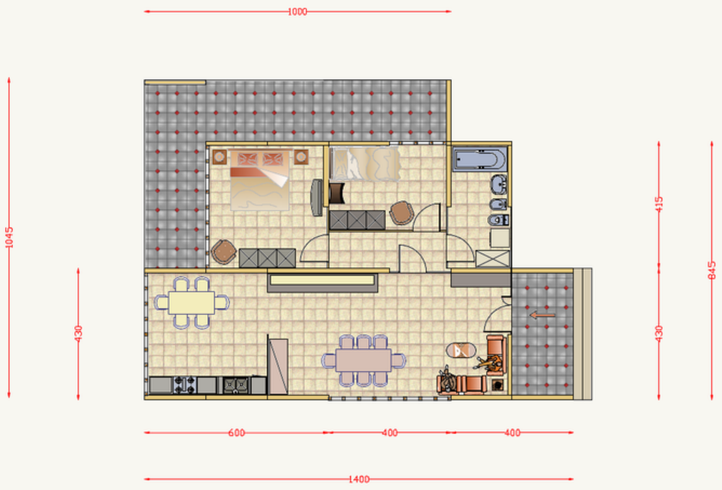
Plan Apartment Type 1



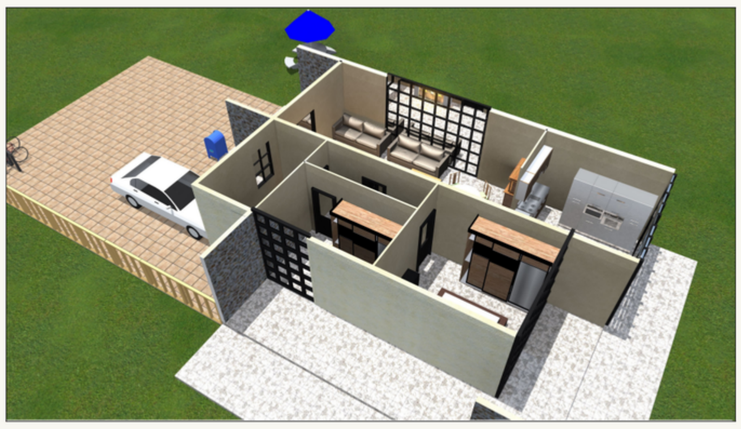


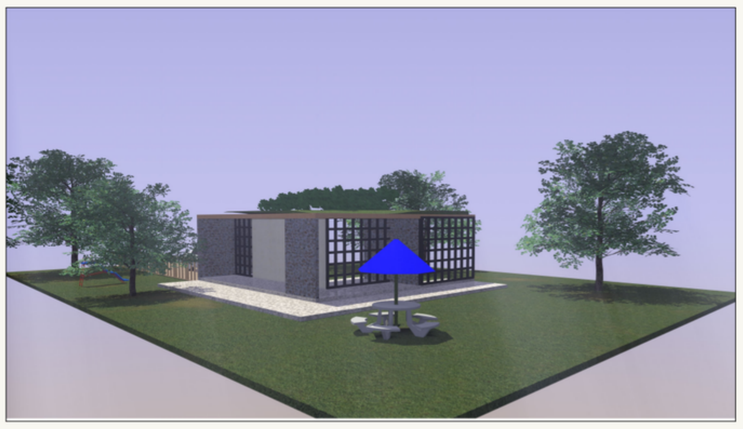






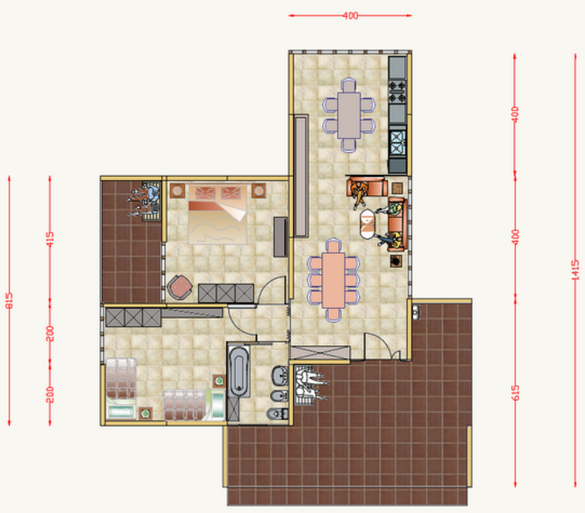
Plan Apartment Type 2











Plan Apartment Type 3











Plan Apartment Type 4



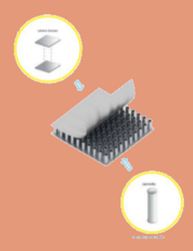


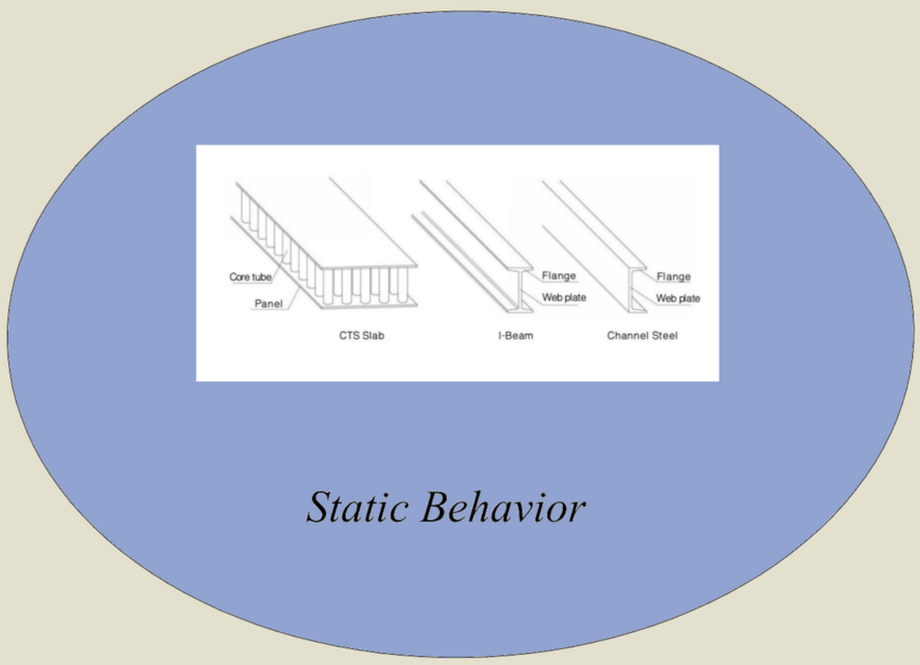




The Bcore panel is an innovative material that combines high resistance to cutting and bending with good characteristics of acoustic thermal insulation combined with the lightness of the panel. It consists of two metal plates of stainless steel with a reduced thickness of a few mm connected to prevent the instability of the plates from metal core tubes, all filled with insulating material such as rock wool. The panels are modular with a width of 2 meters and a height of 3 meters for the vertical panels while for the horizontal ones made on a 12 m long slab that is cut according to the needs. The construction system lends itself very well to the construction of structures resistant to the actions of the earthquake for to the high resistance to the horizontal actions of the single panel its high rigidity and reduced mass; as regards wind actions, an adequate connection must be guaranteed in the foundation capable of withstanding horizontal actions.

Thickness
1mm; 1,5mm;
2,5 mm; 4mm;
6mm



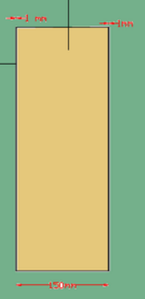


Static Behavior

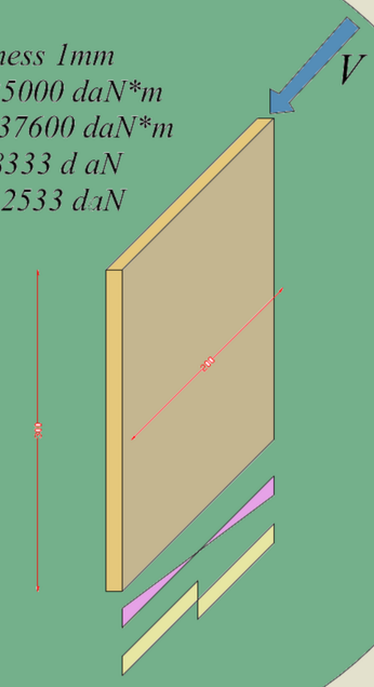
Thermal insulating

Panel

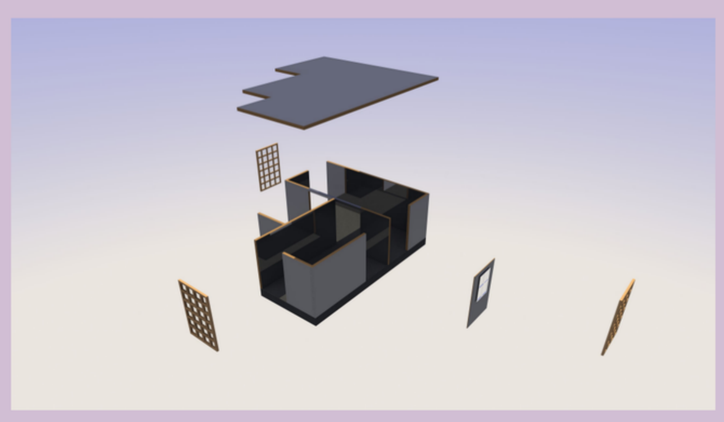
Transmittance
*0,255 W/mq*C°*



Thickness 1mm
*Me=25000 daN*m*
*Mpl=37600 daN*m*
Ve = 8333 d aN
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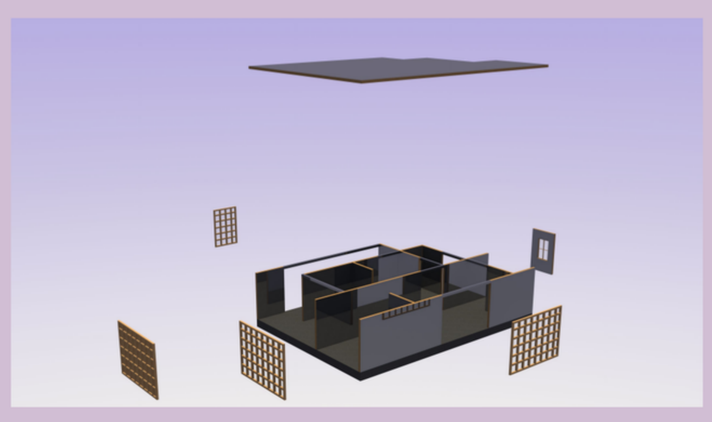


Container 1

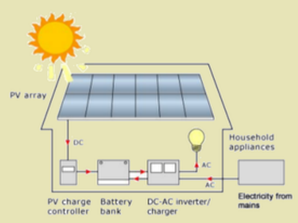


Panels assemblage

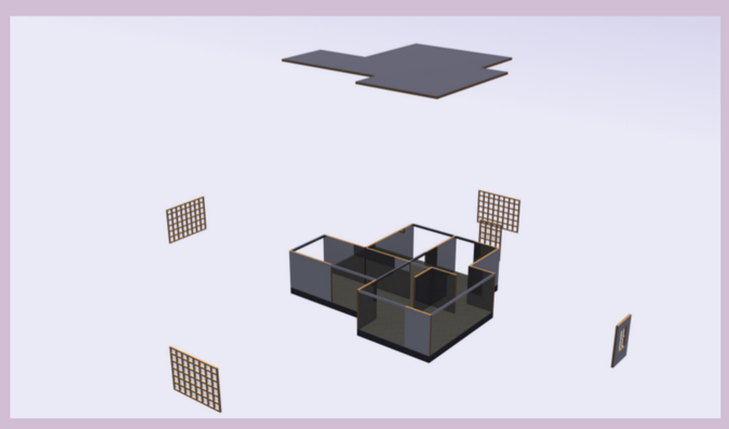
Container 2



Panels assemblage

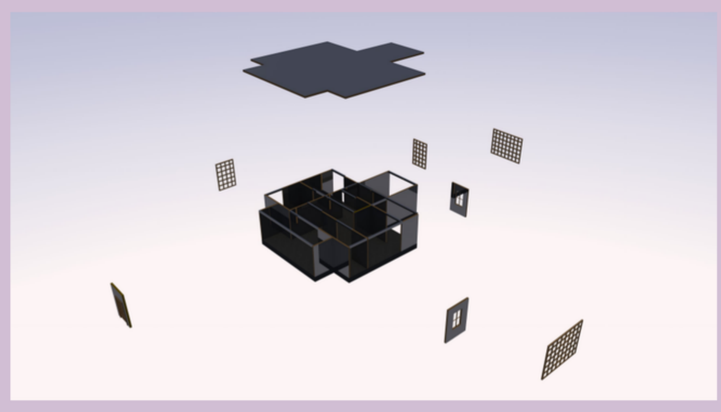


Container 3



Panels assemblage

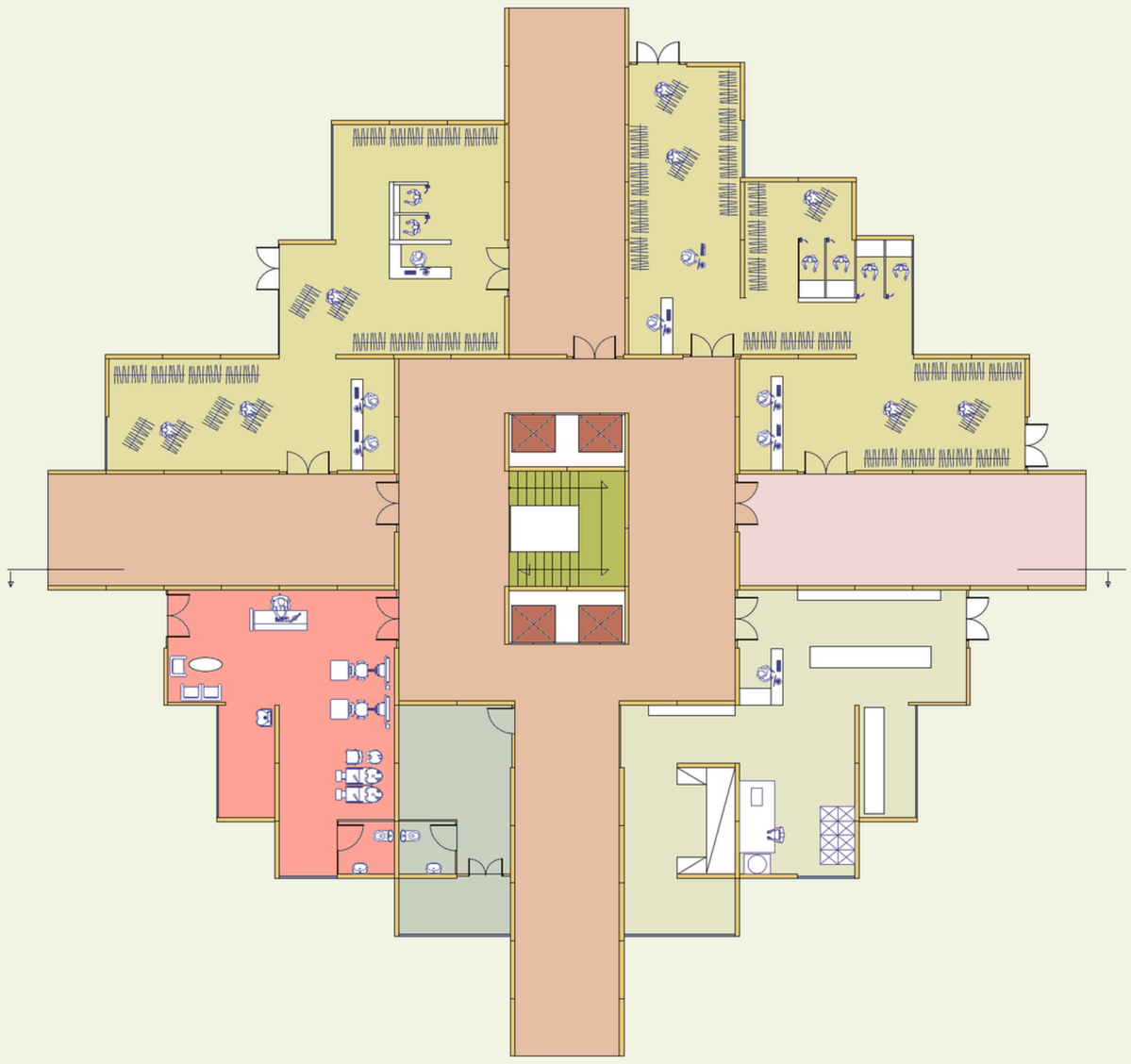
Container 4



Panels assemblage

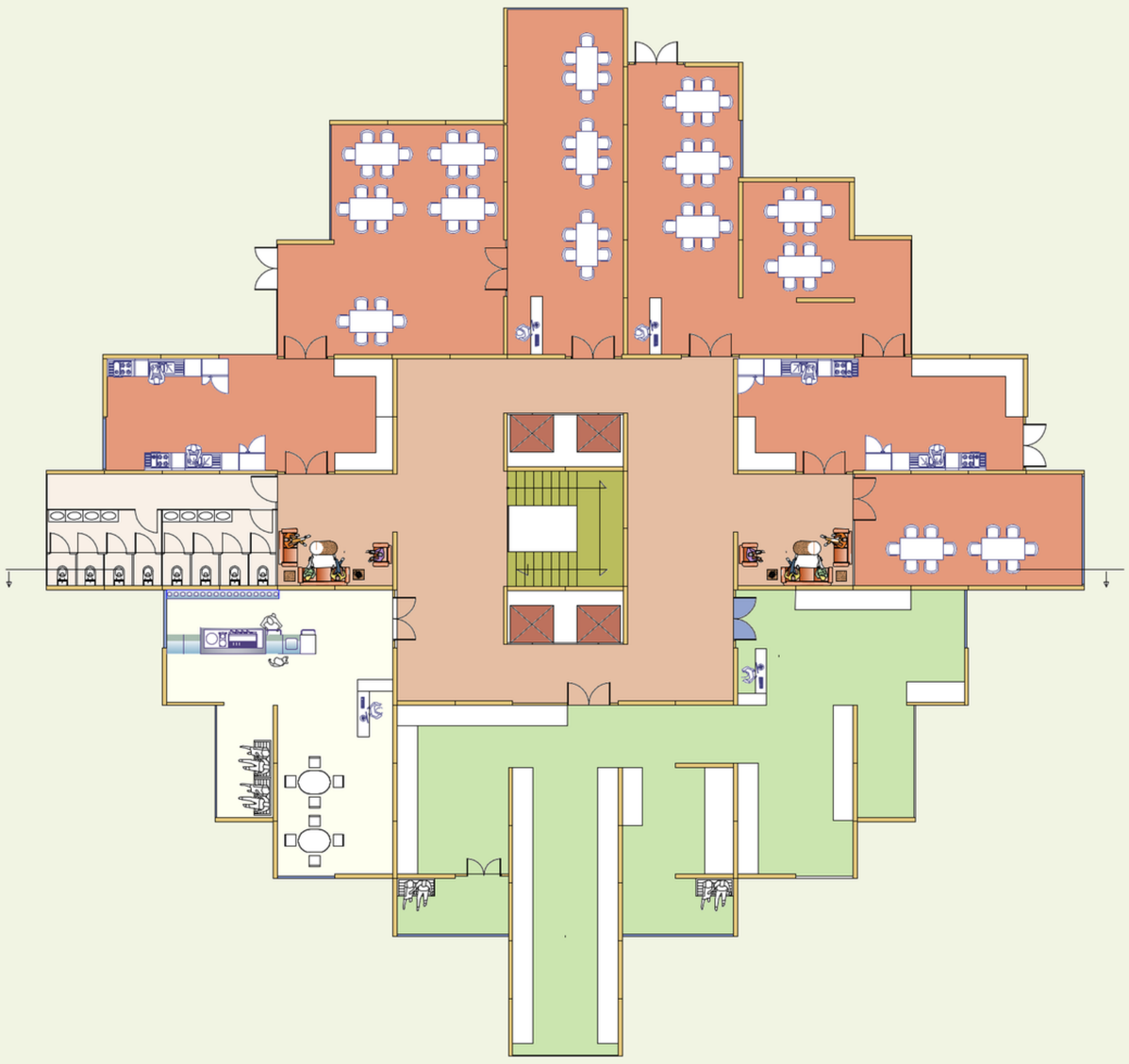
0344

Clothes shop
Bakery
Barber Shop



Ground floor plan

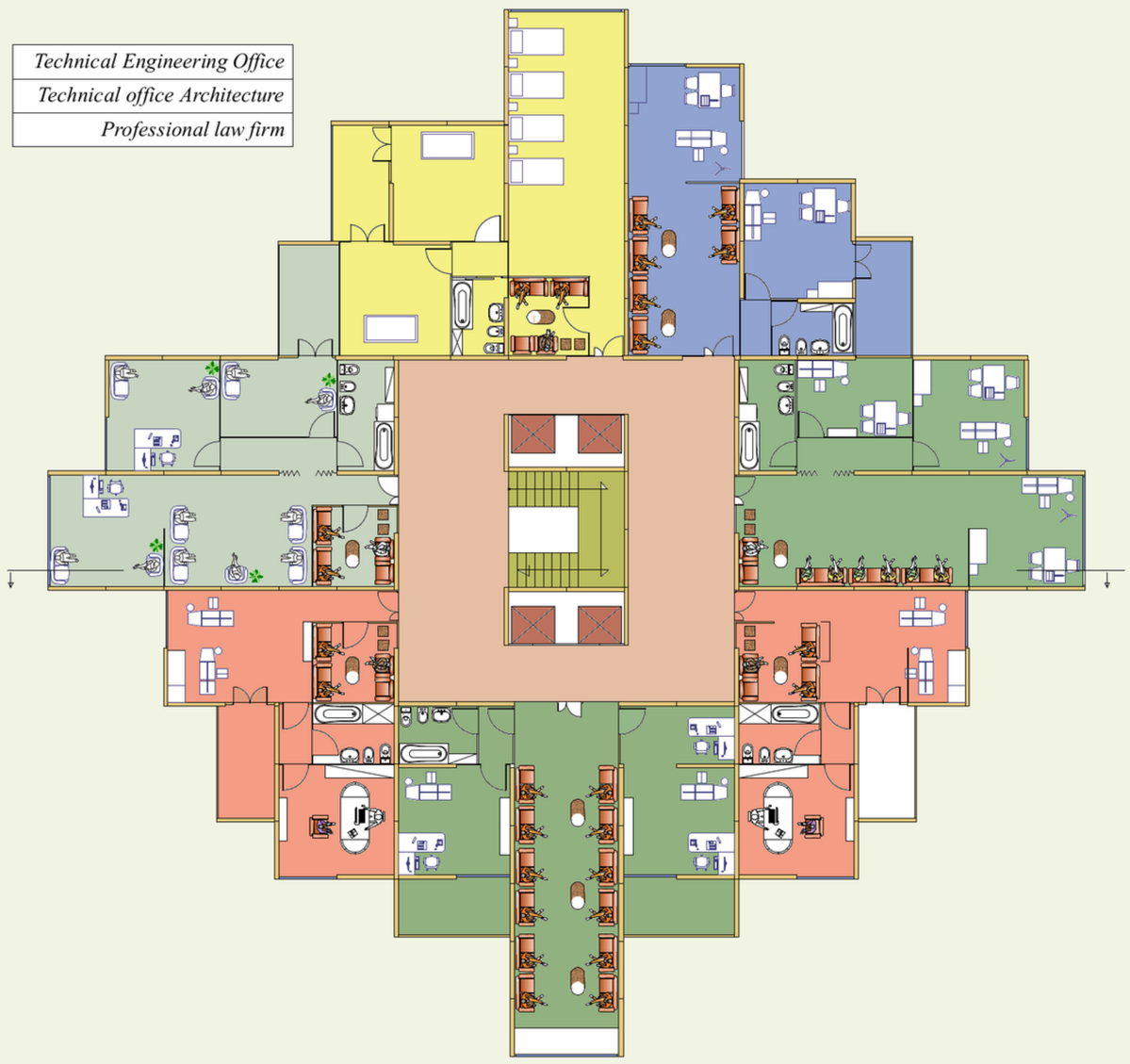
Restaurant
Library
Bar



First floor plan

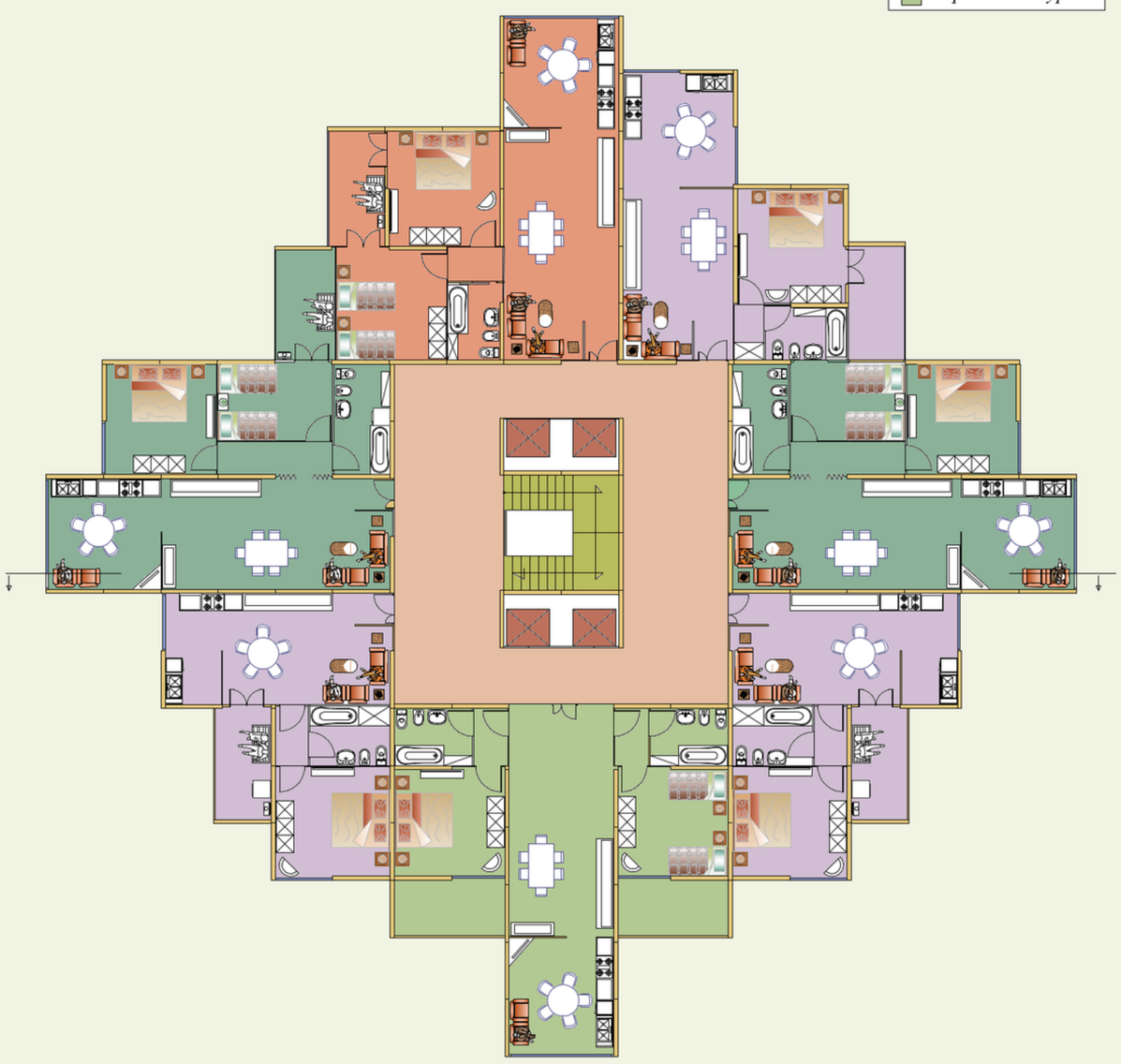
Dental Clinic
Physiotherapy center
Dermatology Clinic
Psychology clinic
General medicine clinic

Technical Engineering Office
Technical office Architecture
Professional law firm



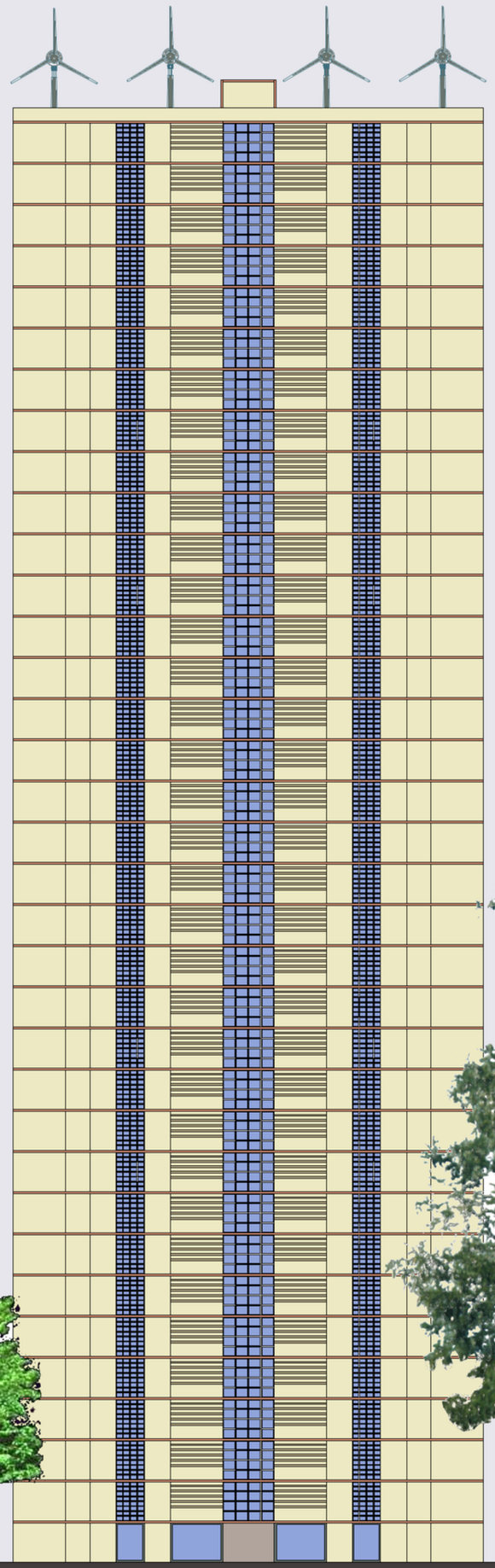
2-3 floor plan

Apartment Type 1
Apartment Type 2
Apartment Type 3
Apartment Type 4

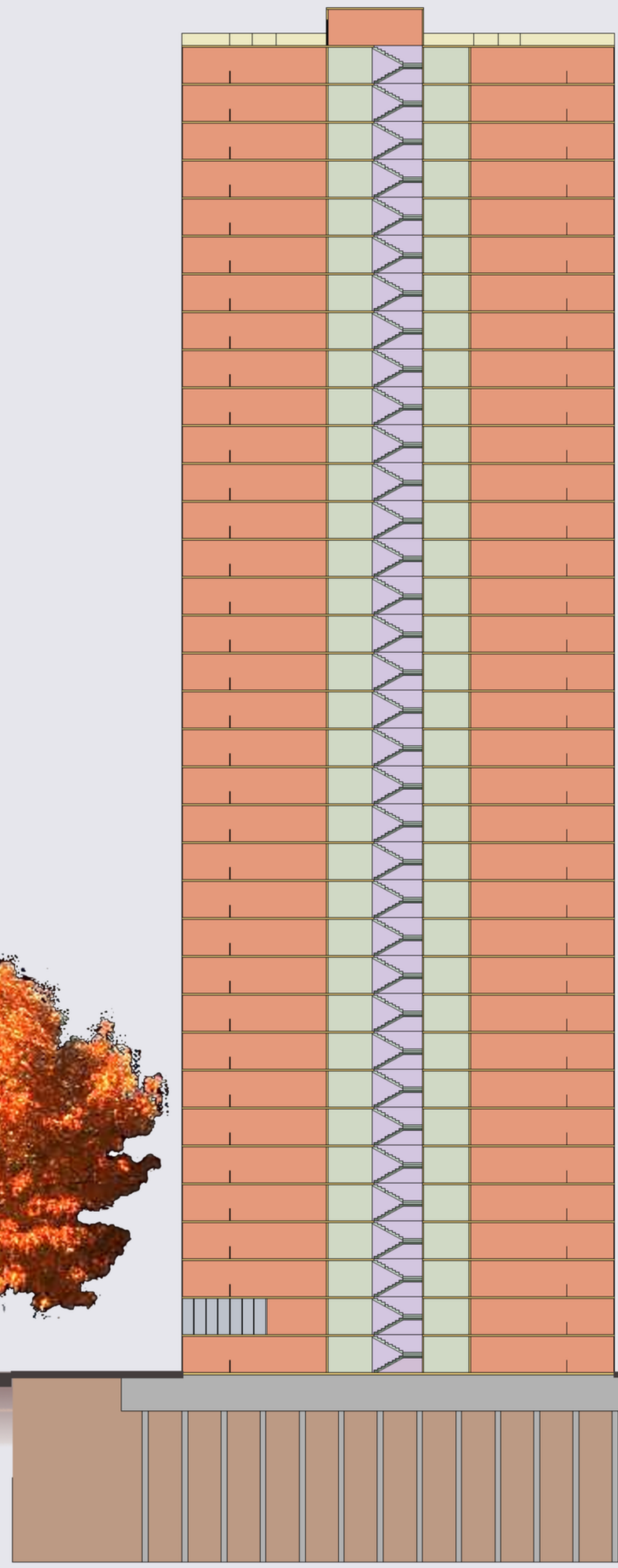


Type floor plan

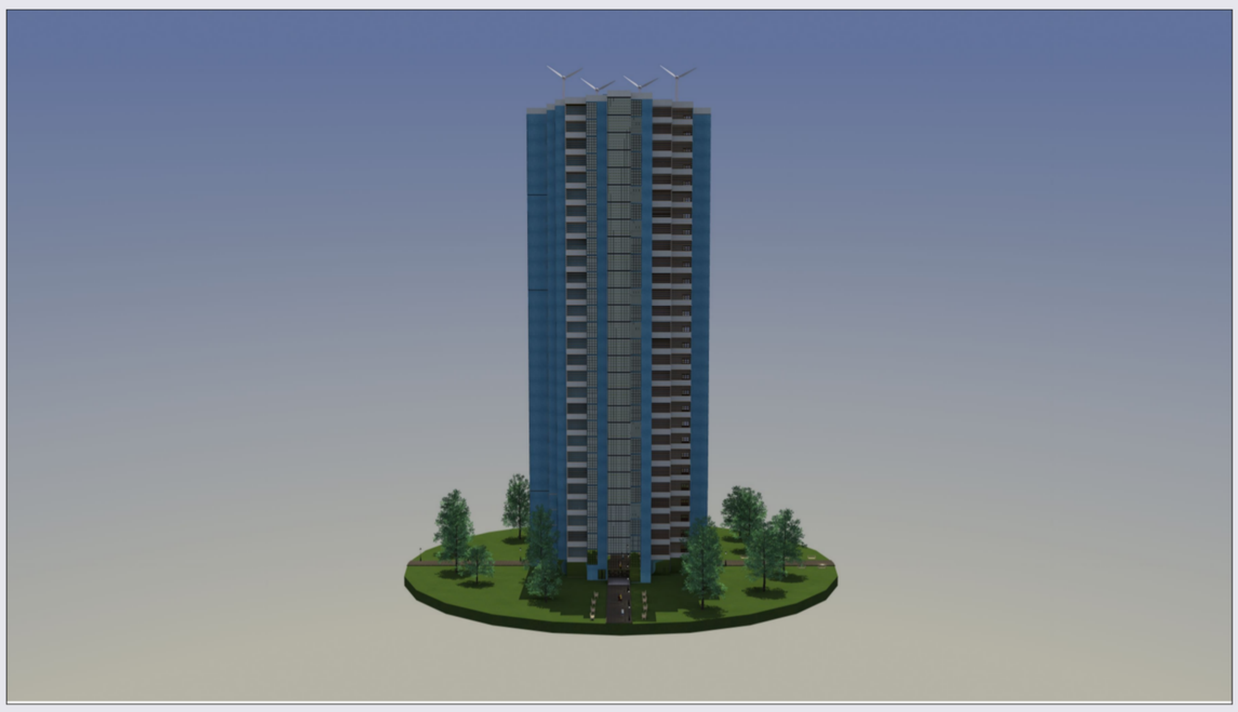
0344



Elevation



Section A-A'





Luxury Apartments Project Competition
Ranco Group Arabia Saudita



Luxury Apartments Project Competition

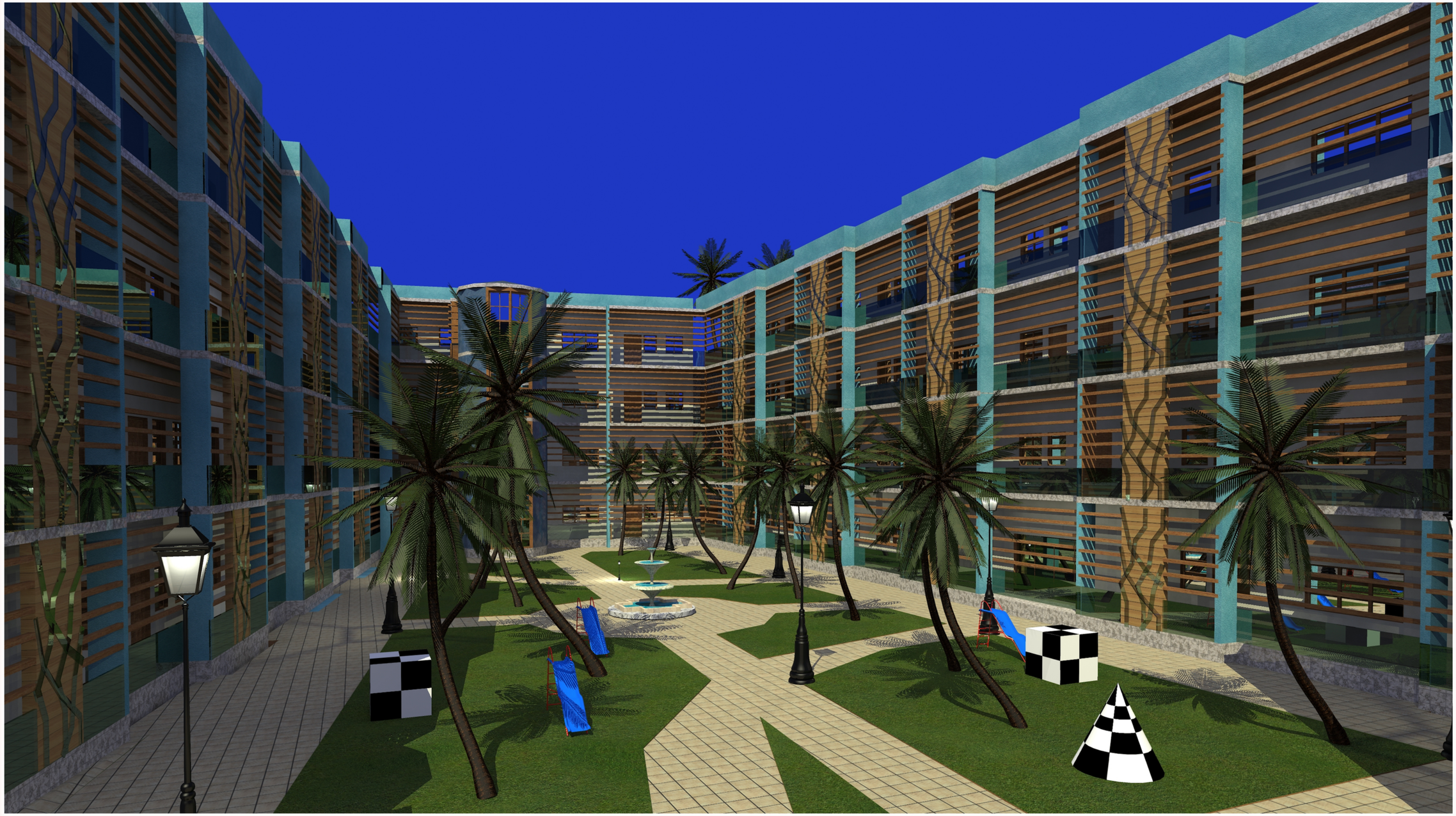


The Mosca Giuseppe Building Engineering Technical Office is a "petit bureau" located in a corner of my home that participates in design competitions all over the world with good results but with little economic success. The professional training of Eng. Mosca was mainly structural and then, starting from 2015, devoted itself to architectural and environmental design using architecture and graphic technique as a therapy for a condition of discomfort. The designed building wants to recall the shape of castles with lateral bastions, typical constructions of Europe but also of the Arab world; it is a very complex building for an engineer it represents a way to strengthen his personality or designing about 150 luxury apartments in Saudi Arabia is an expression of an inner strength of greatness that helps to overcome the difficulties of daily professional life.





RE-2101028



RE-2101028

Planimetry

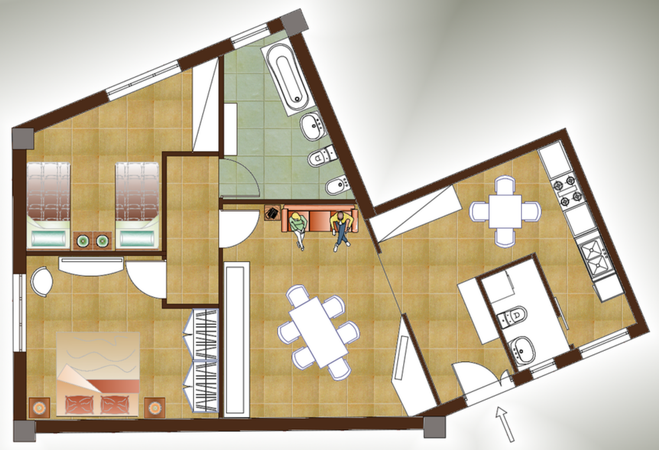
Scale 1:500 A0
Scale 1:1000 A2



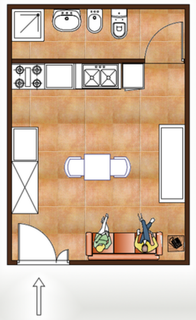
RE-2101028

Units BD Plans

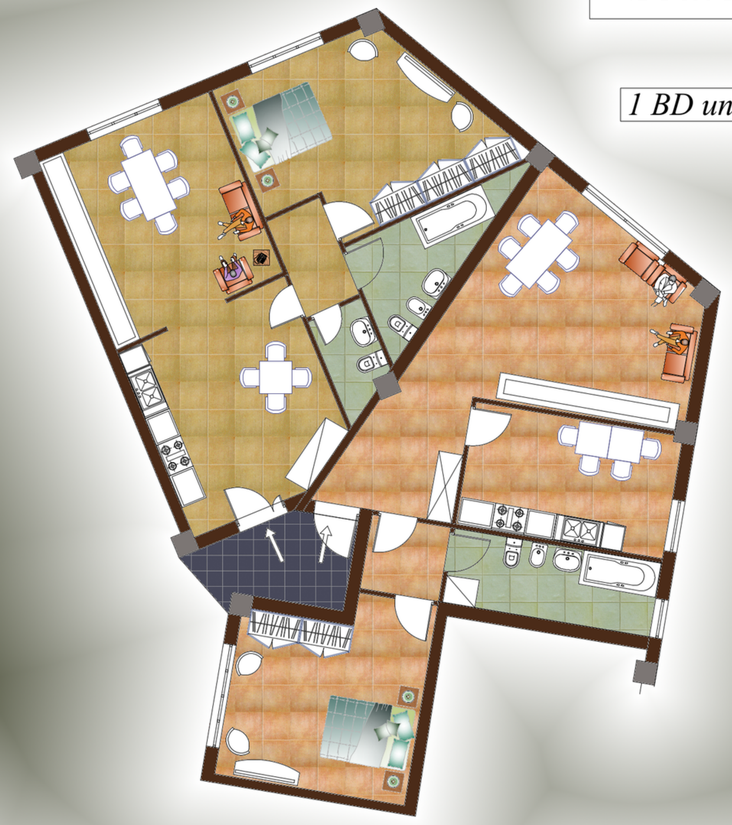
Scale 1:50 A0
Scale 1:100 A2



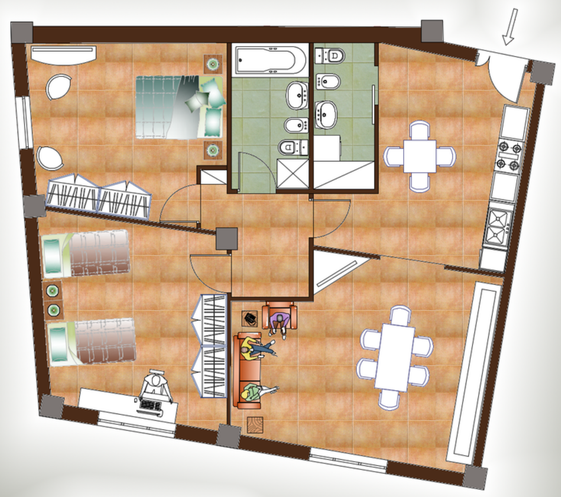
2 BD unit



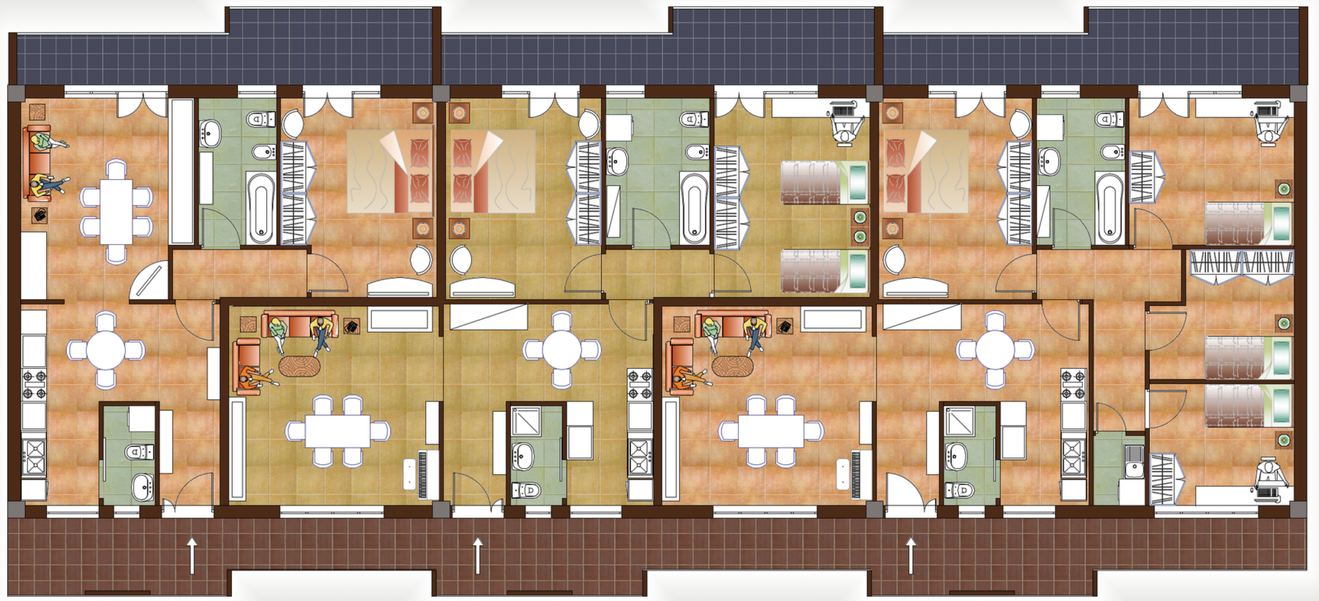
Individual unit



1 BD unit



2 BD unit



1 BD unit

2 BD unit

3 BD unit

RE-2101028



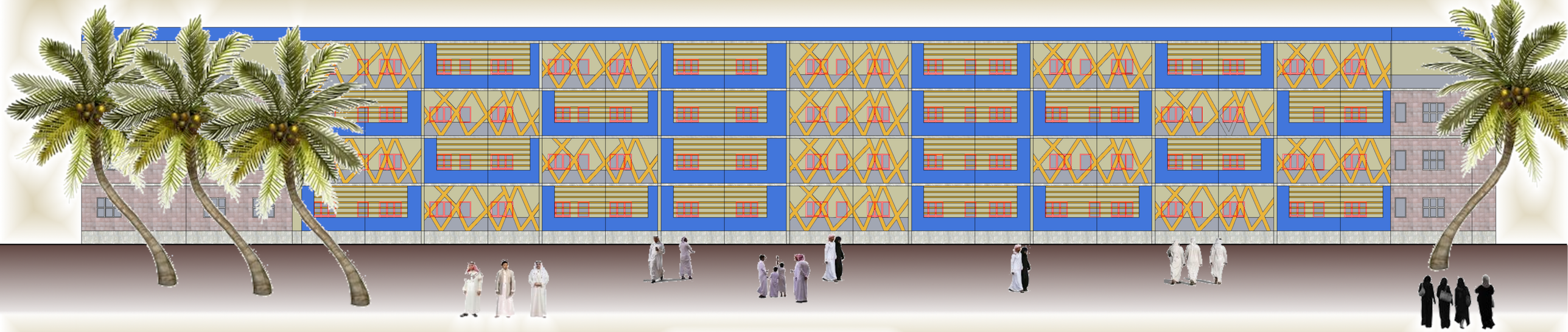
RE-2101028



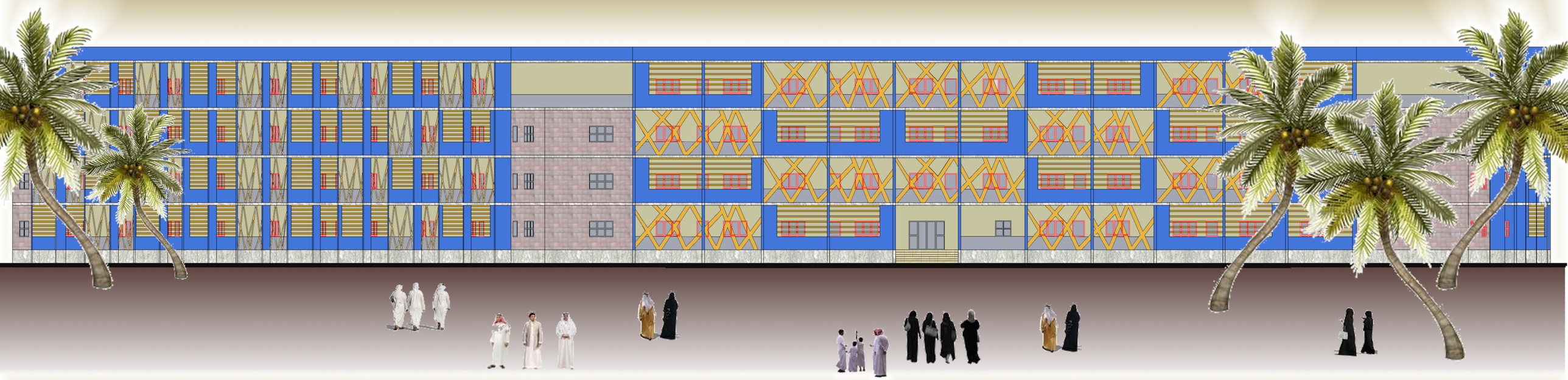


Elevation

Scale 1:100 A0
Scale 1:200 A2



Elevation B

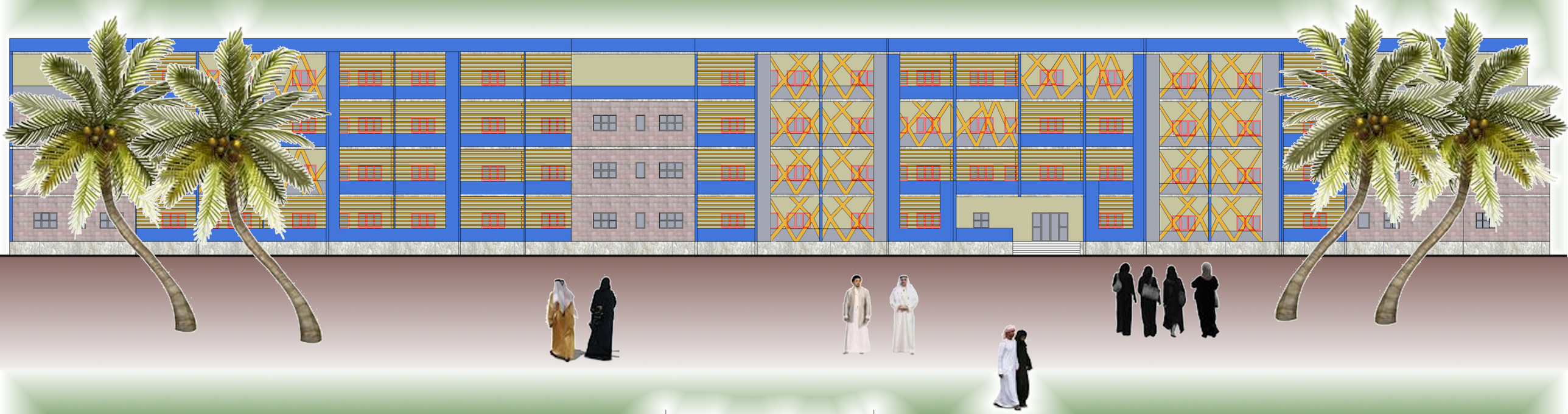


Elevation C

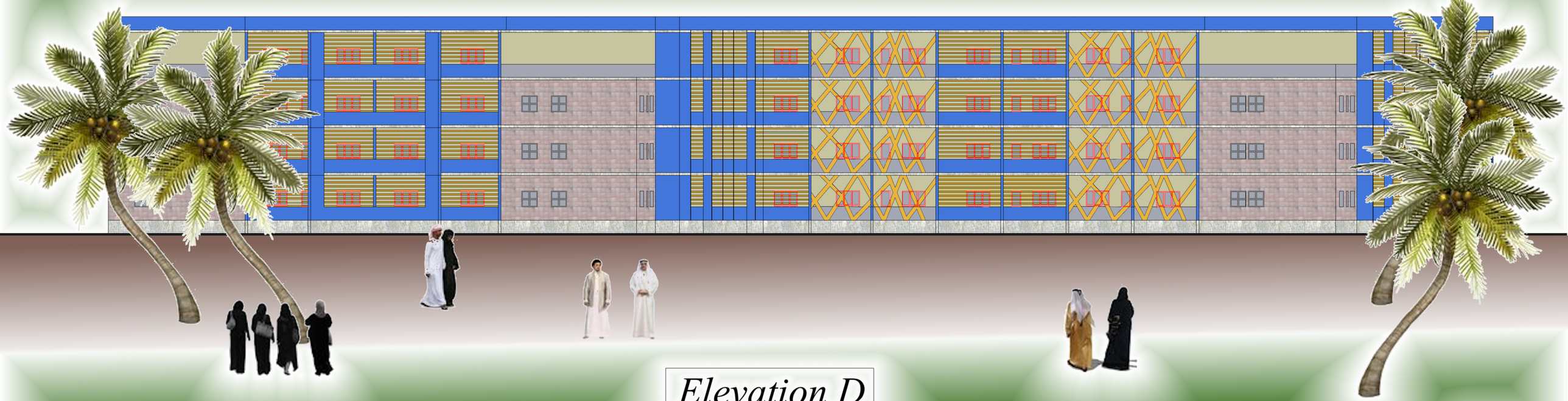
RE-2101028

Elevation

Scale 1:100 A0
Scale 1:200 A2



Elevation A

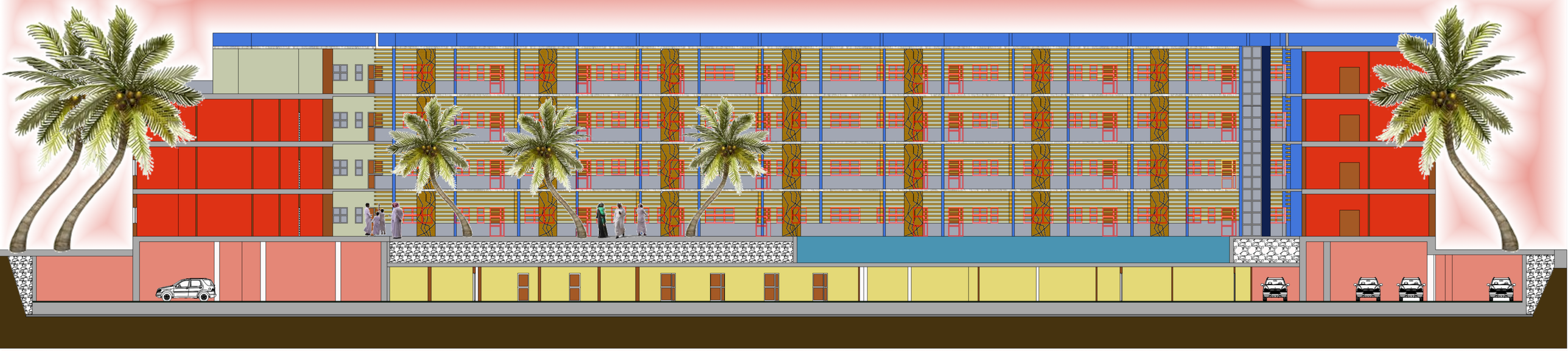


Elevation D

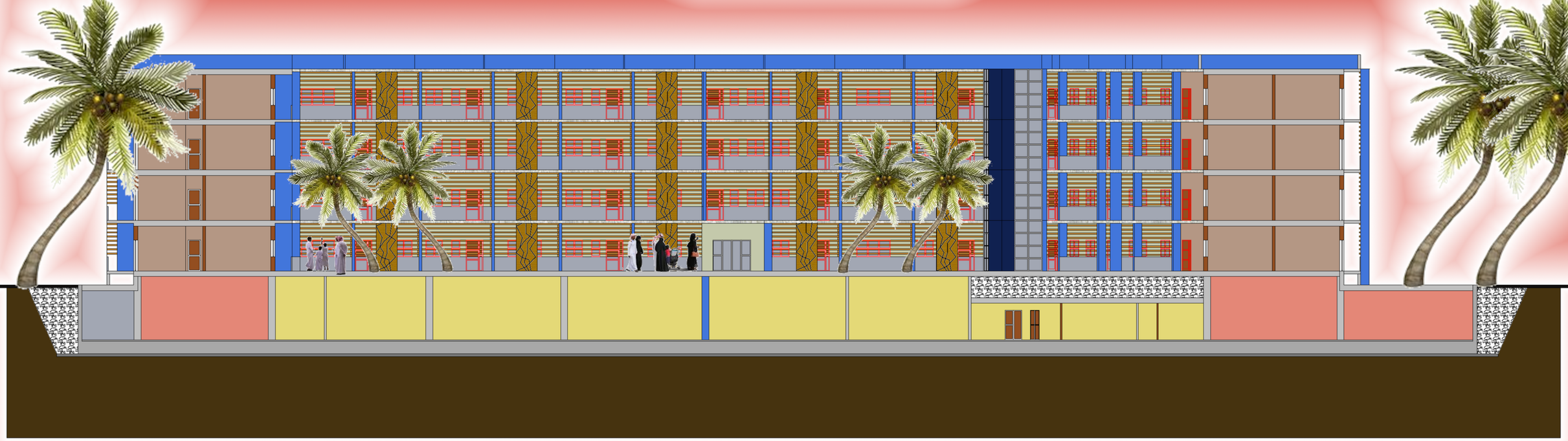
RE-2101028

Sections

Scale 1:100 A0
Scale 1:200 A2

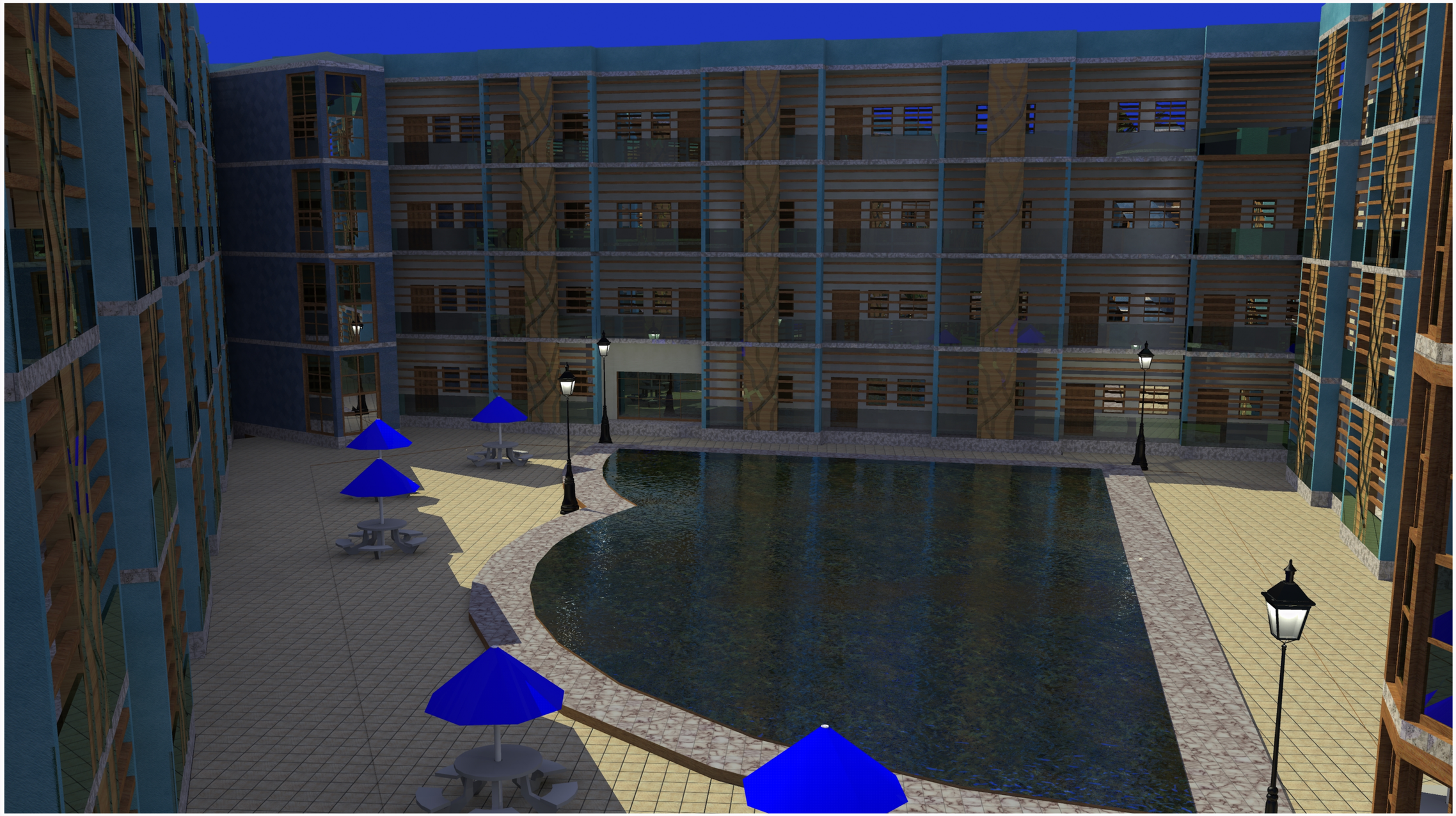


Section A-A



Section B-B

RE-2101028

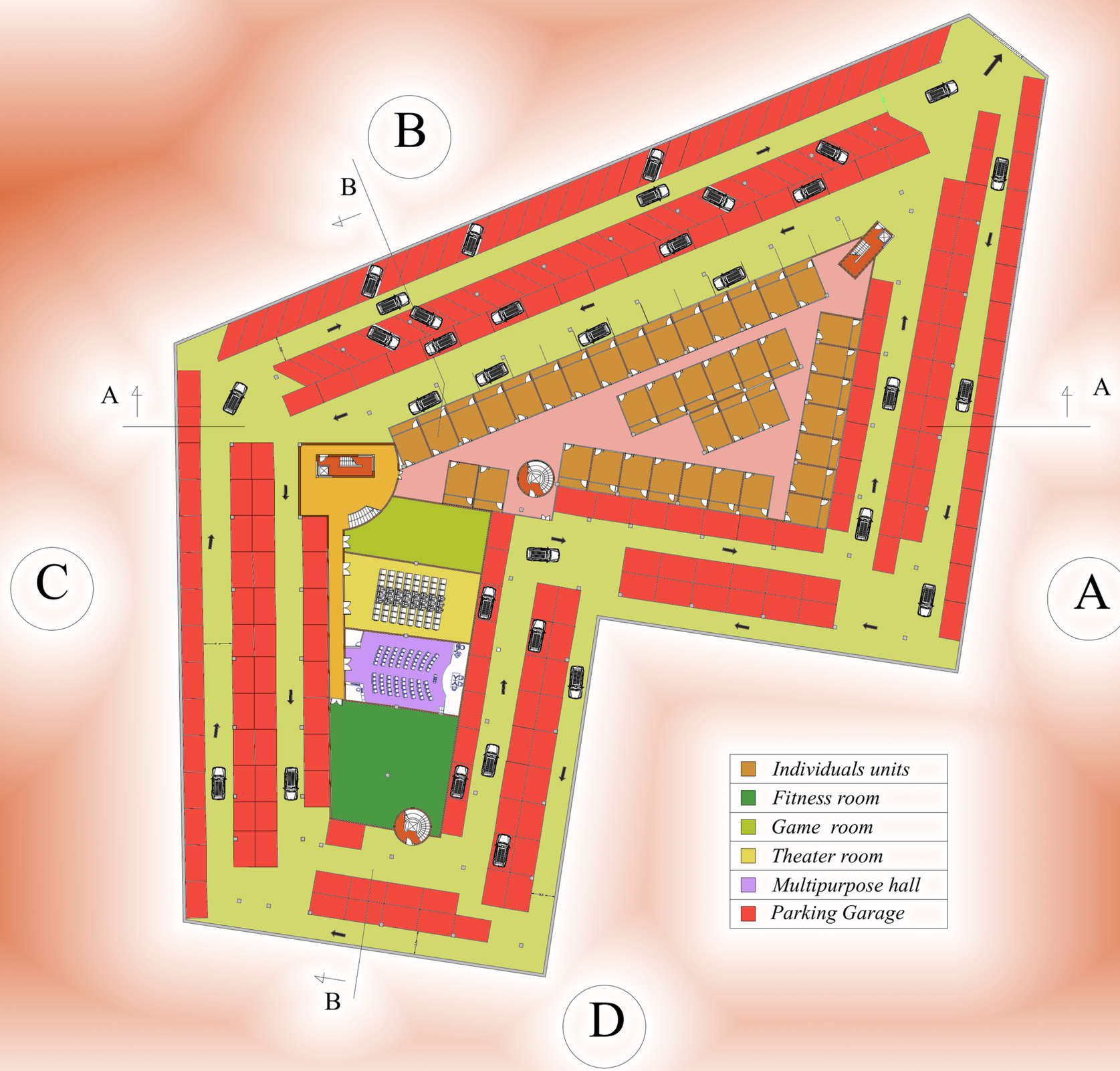






Basement floor plan

Scale 1:200 A0
Scale 1:400 A2



RE-2101028

Ground floor plan

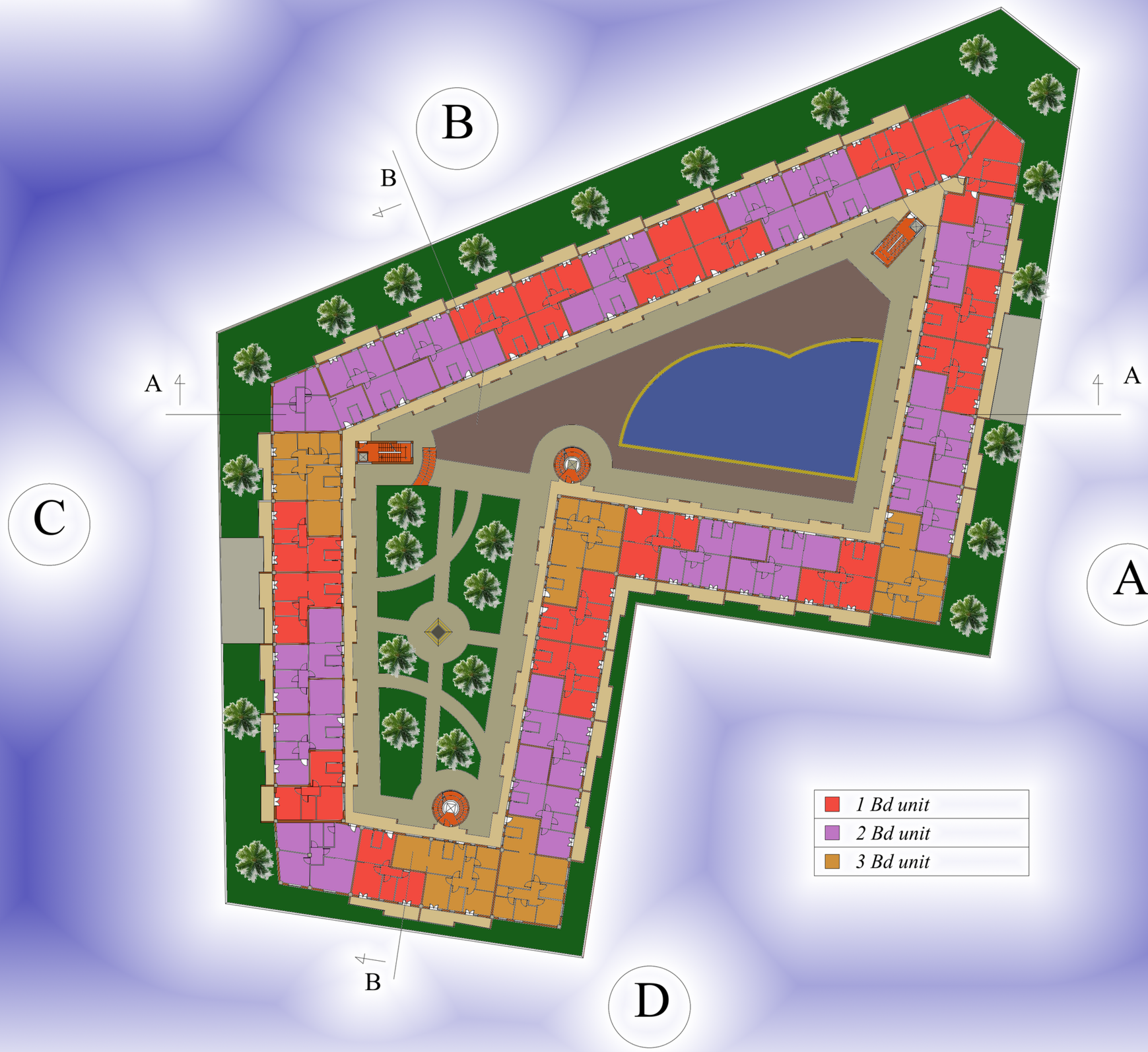
Scale 1:200 A0
Scale 1:400 A2



RE-2101028

Type floor plan

Scale 1:200 A0
Scale 1:400 A2



RE-2101028

Third floor plan

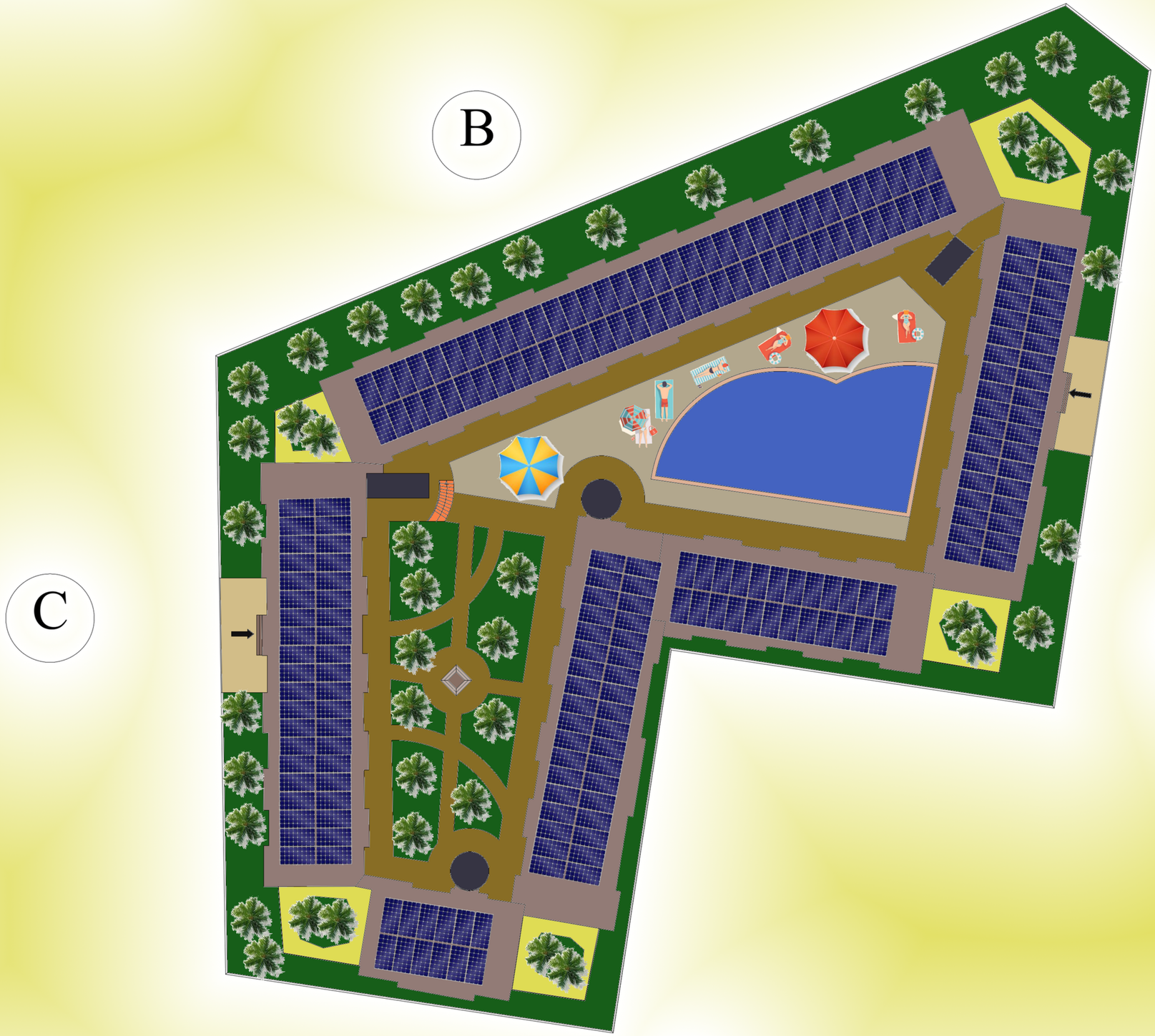
Scale 1:200 A0
Scale 1:400 A2



RE-2101028

Roof floor plan

Scale 1:200 A0
Scale 1:400 A2

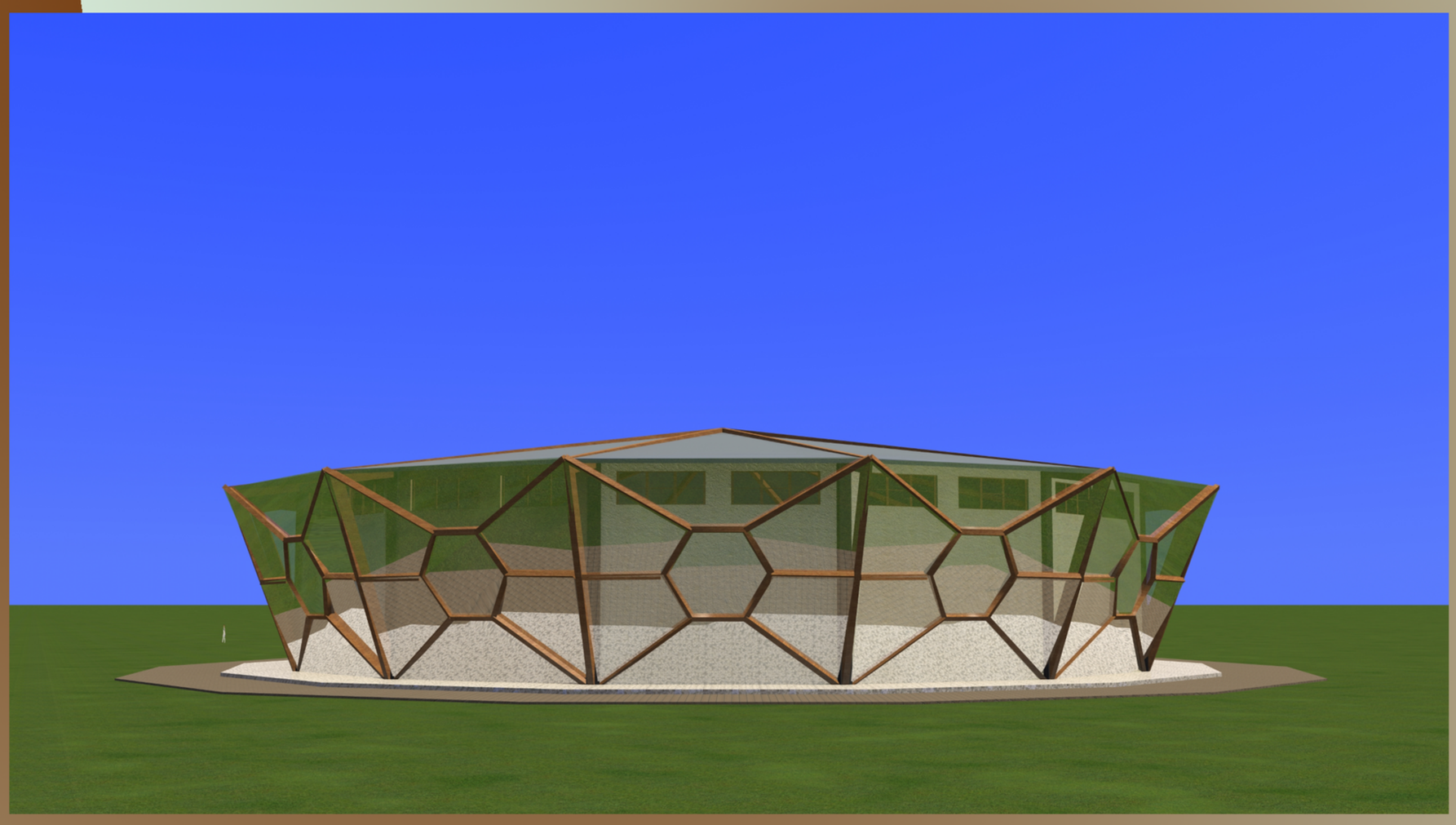


RE-2101028



RE-2101028

Concours restreint de maîtrise d'oeuvre sur esquiss plus et pré-sélection sur références, pour la construction d'un Gymnase a Muizon France



échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4

- *Hall*
- *Vestiaires Equipe 1 hommes*
- *Vestiaires Equipe 2 hommes*
- *Vestiaires Equipe 1 femmes*
- *Vestiaires Equipe 2 femmes*
- *Vestiaires Arbitre*
- *Salle Massage*
- *Infirmerie*
- *Salle Bureau*
- *Sanitaires*
- *Locan thecnique*
- *Sanitaires spectateurs*
- *Guichet des billetts*
- *Dépôt equipements*
- *Local personnell*
- *Champ de jeu*

C

D

A

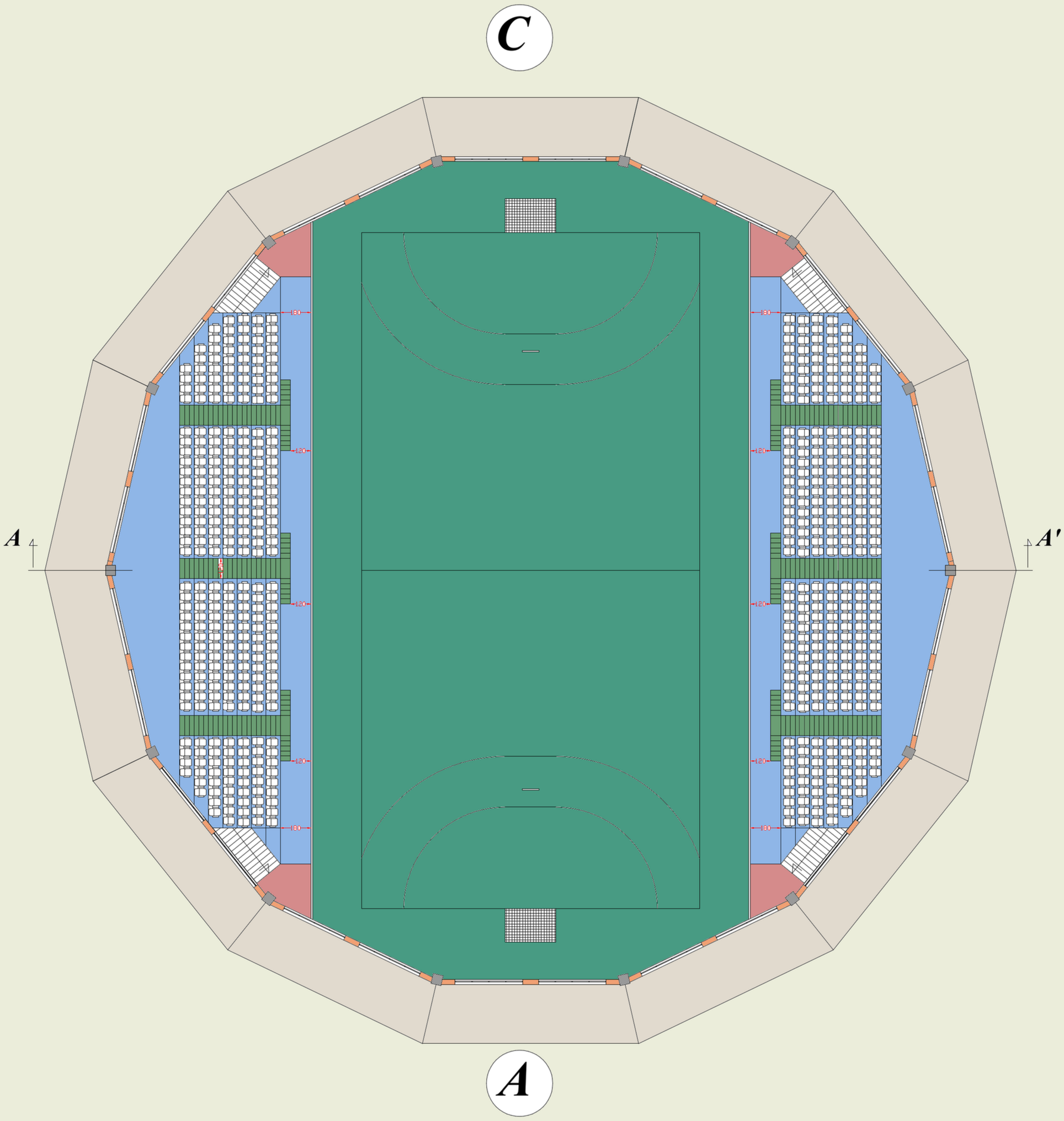
A'

B

A

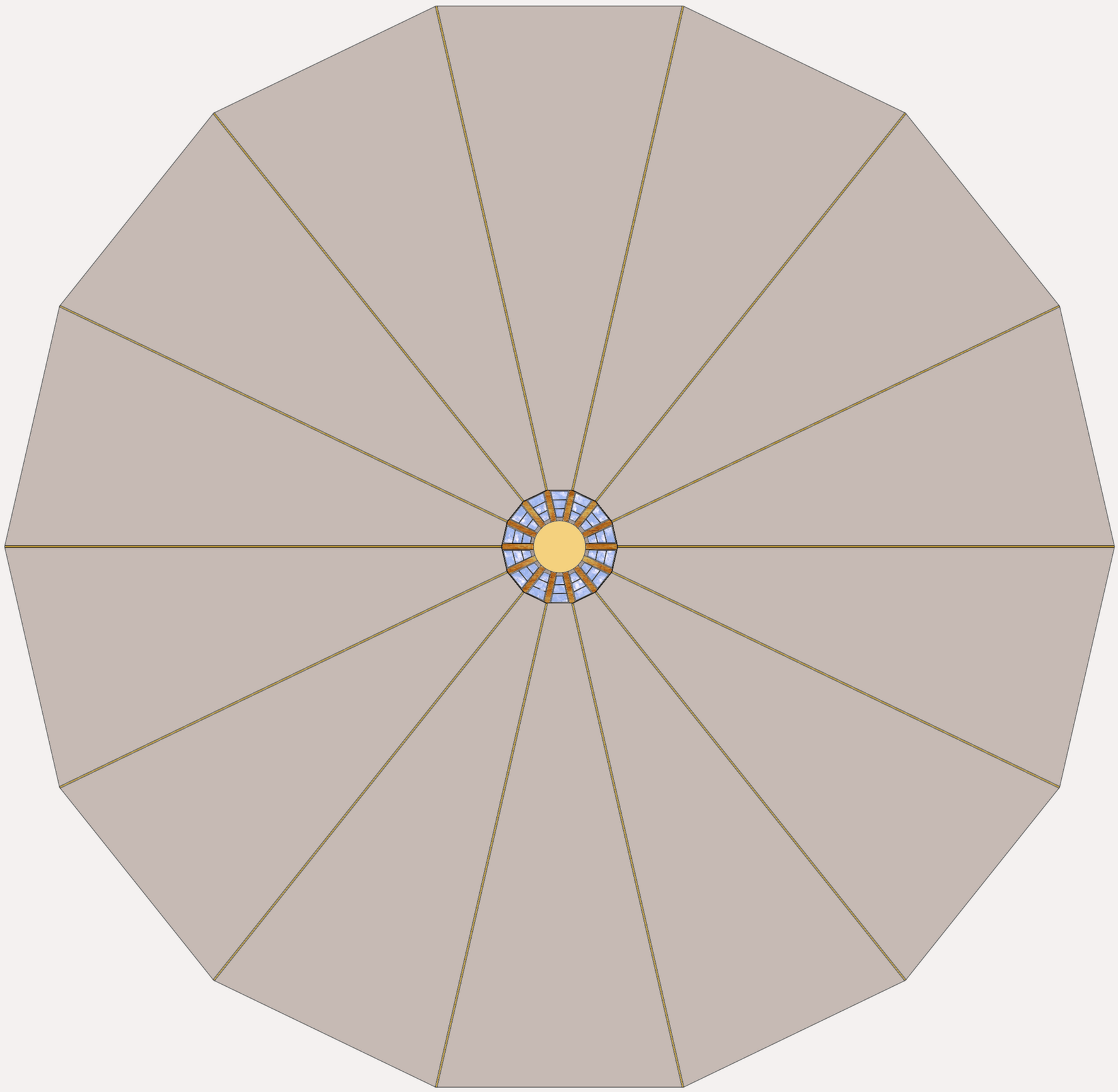
Plan rez - de - chaussée

échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4



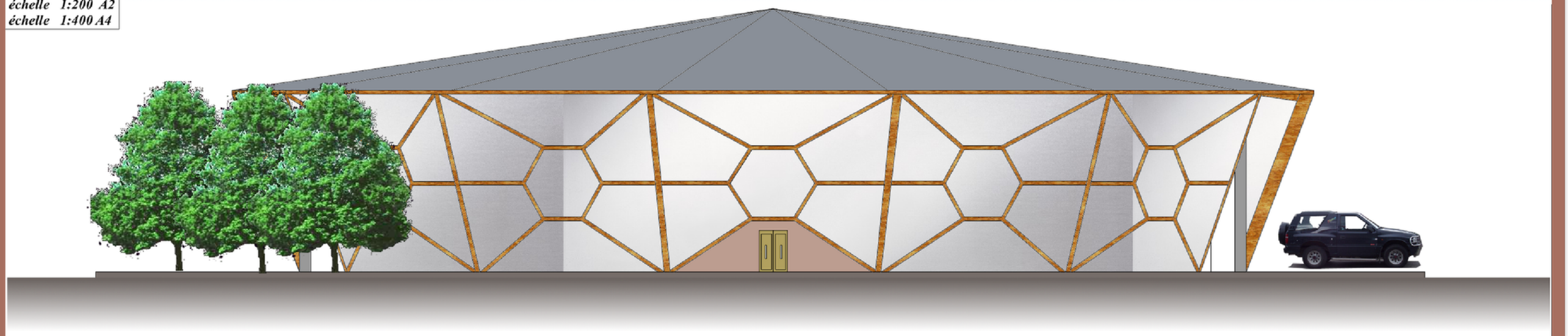
Plan Tribune

échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4



Plan Toit

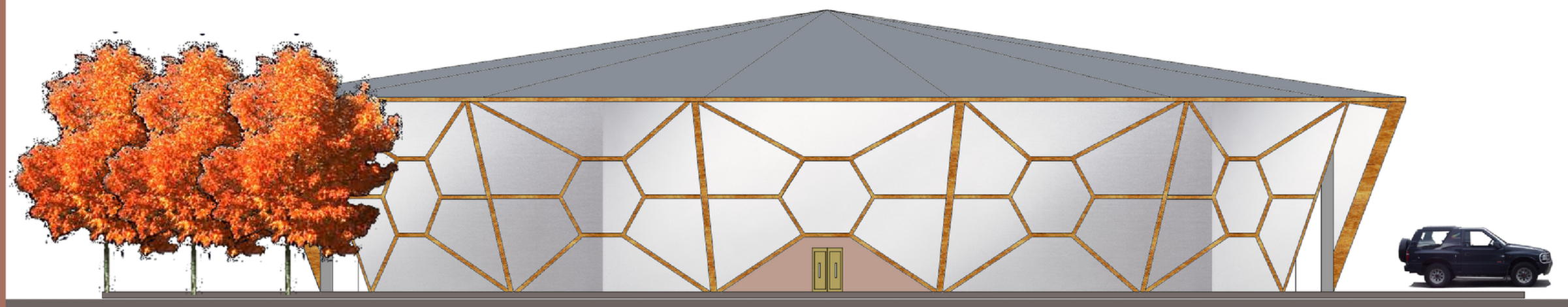
échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4



Façade A



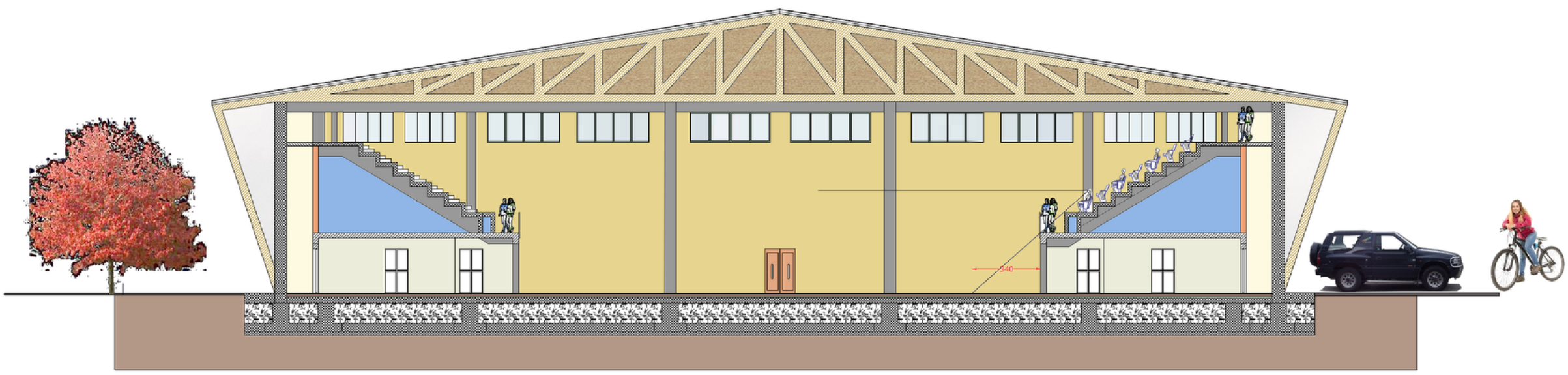
Façade B



Façade C



Façade D



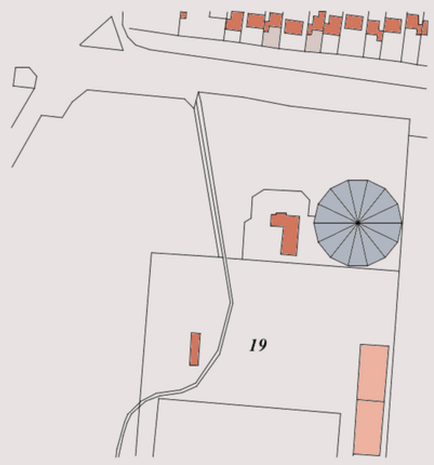
Section A-A'





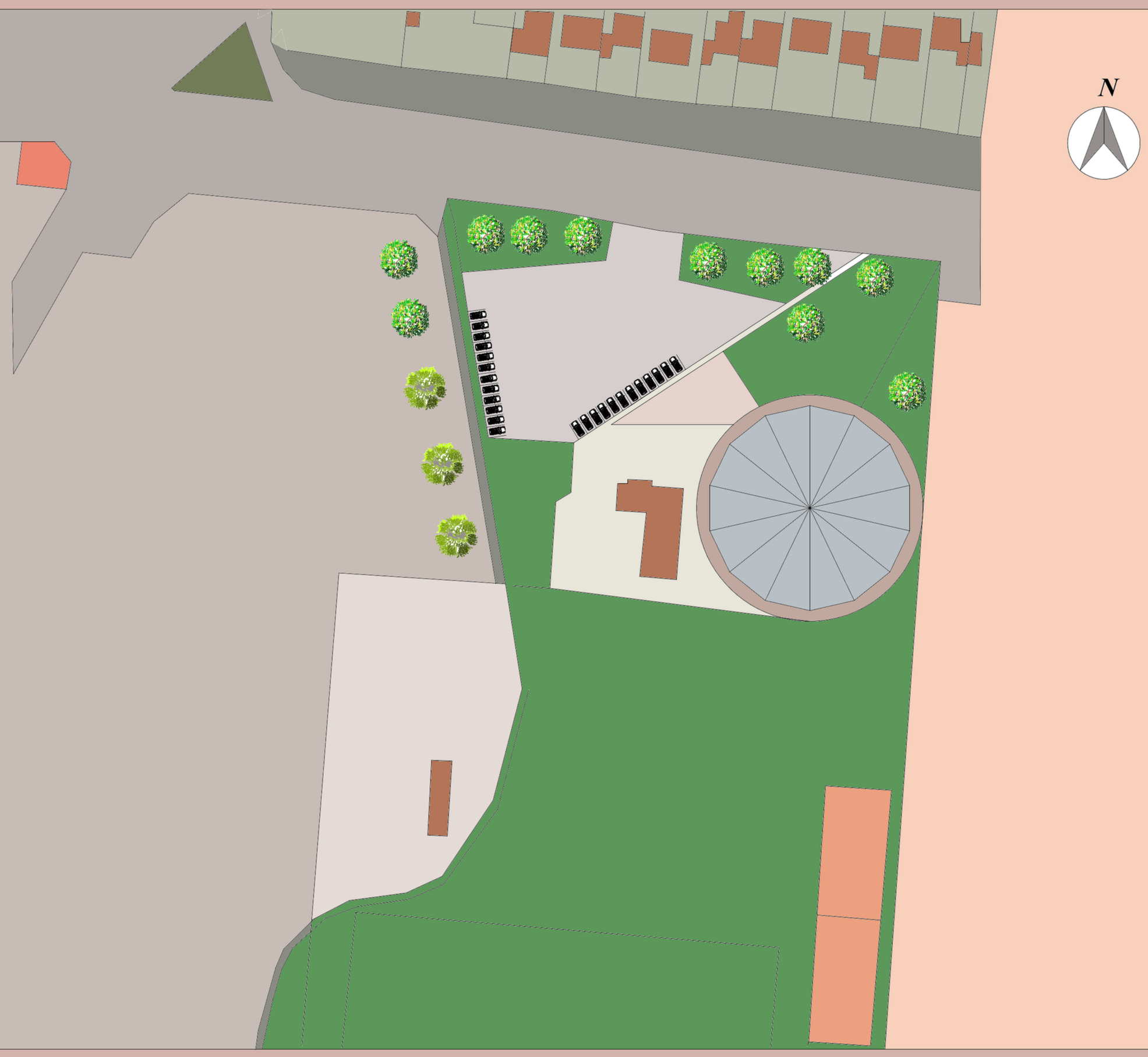


N

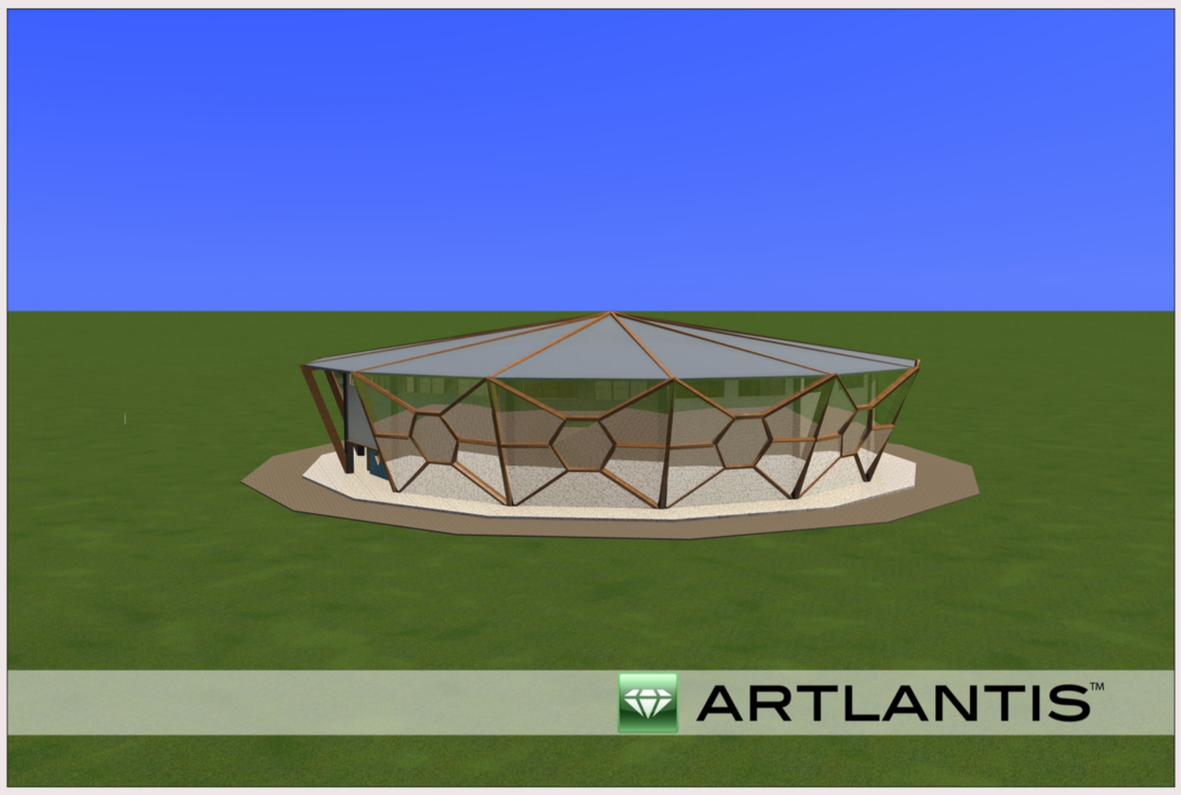


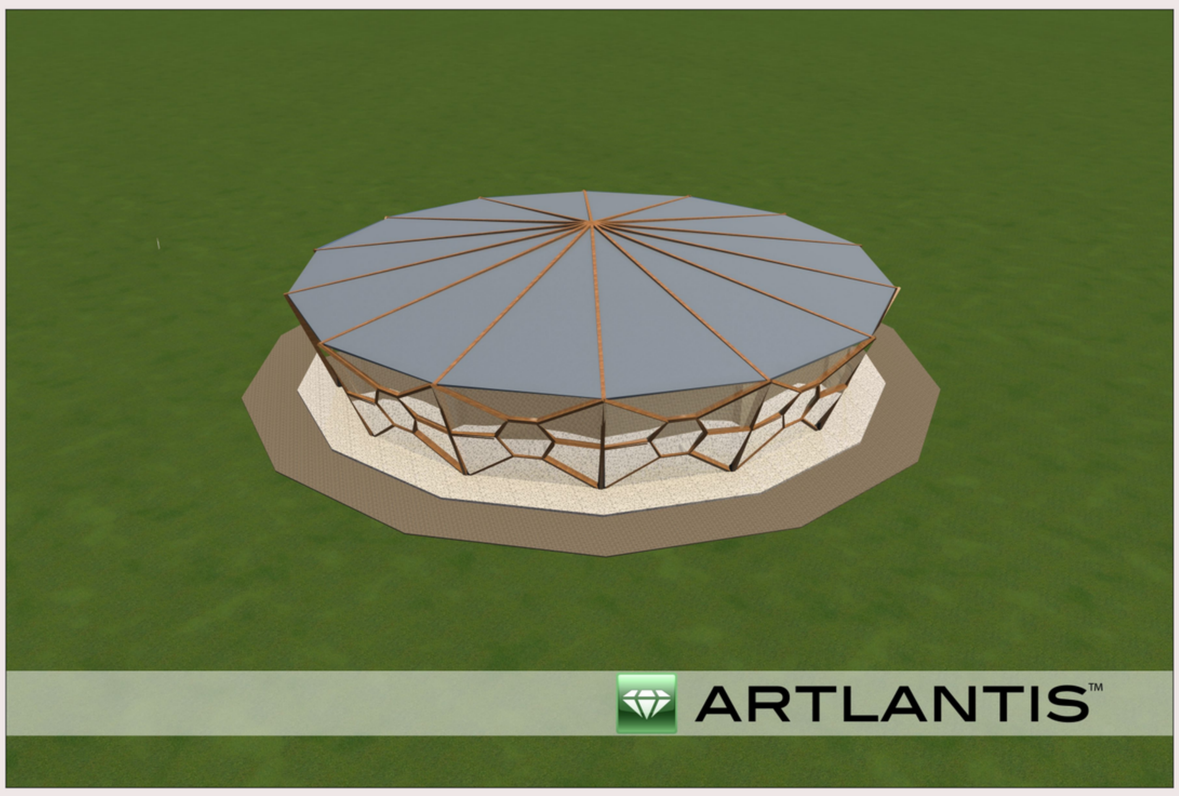
Département : MARNE
Commune : MUIZON
Section : ZK
Feuille : 000 ZK 01
échelle 1:2000

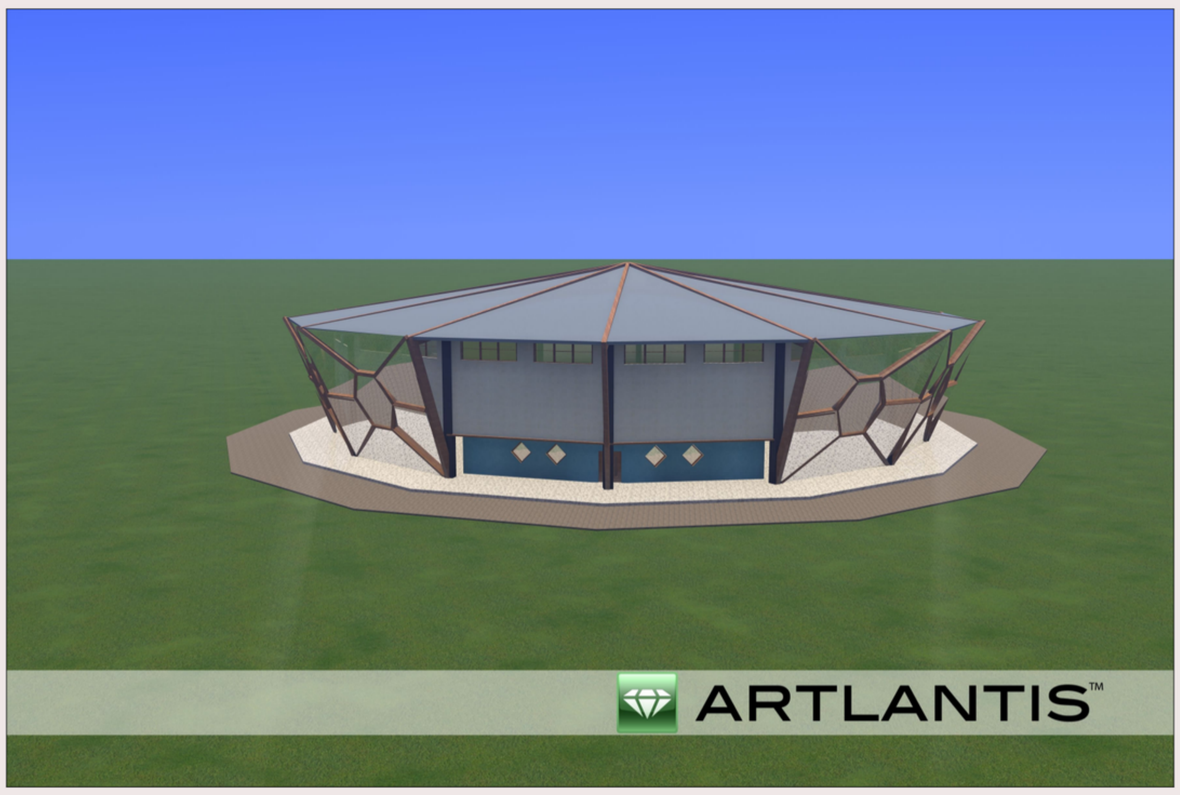
Planimétrie
échelle 1:500

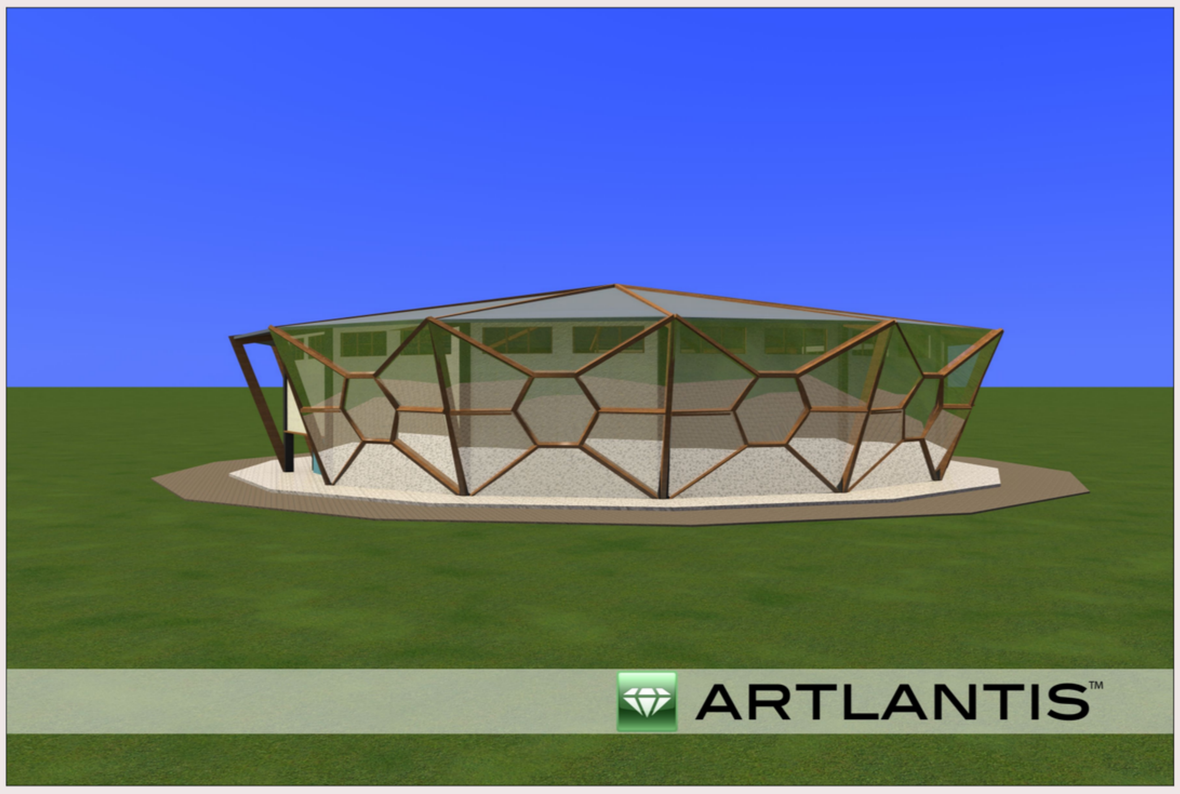


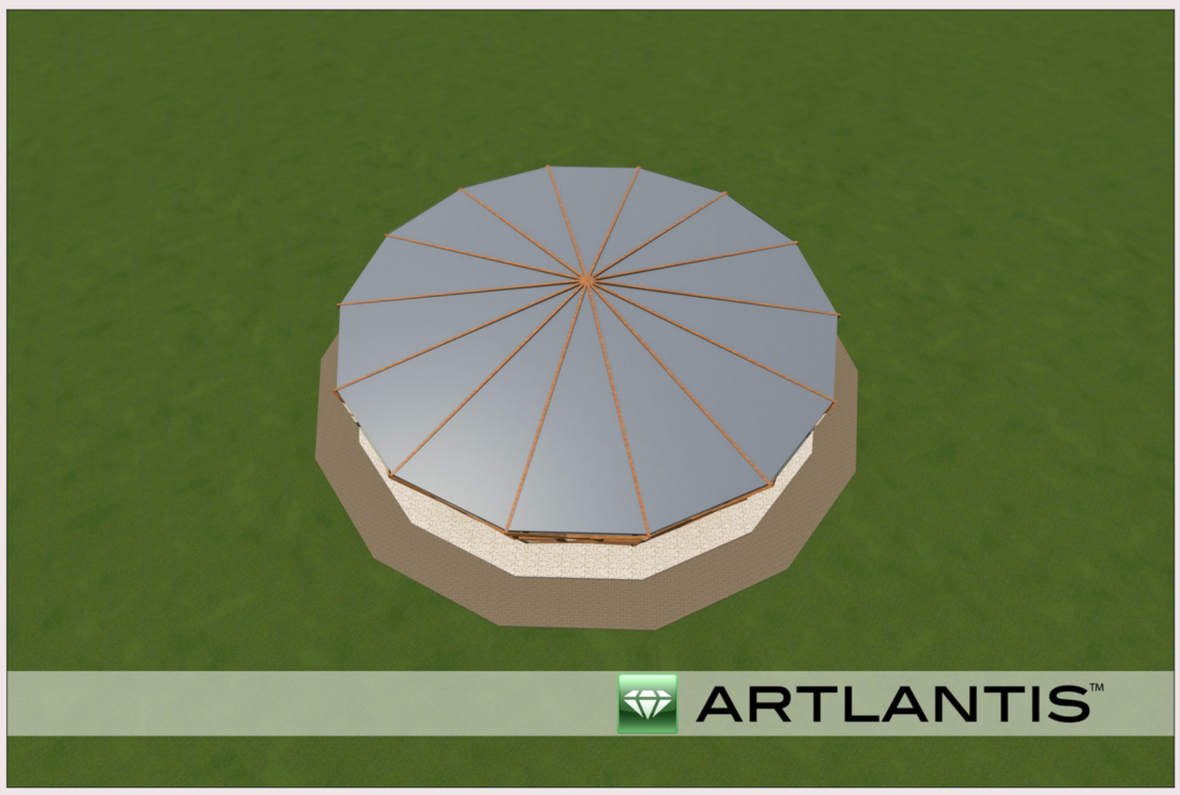

ARTLANTIS™

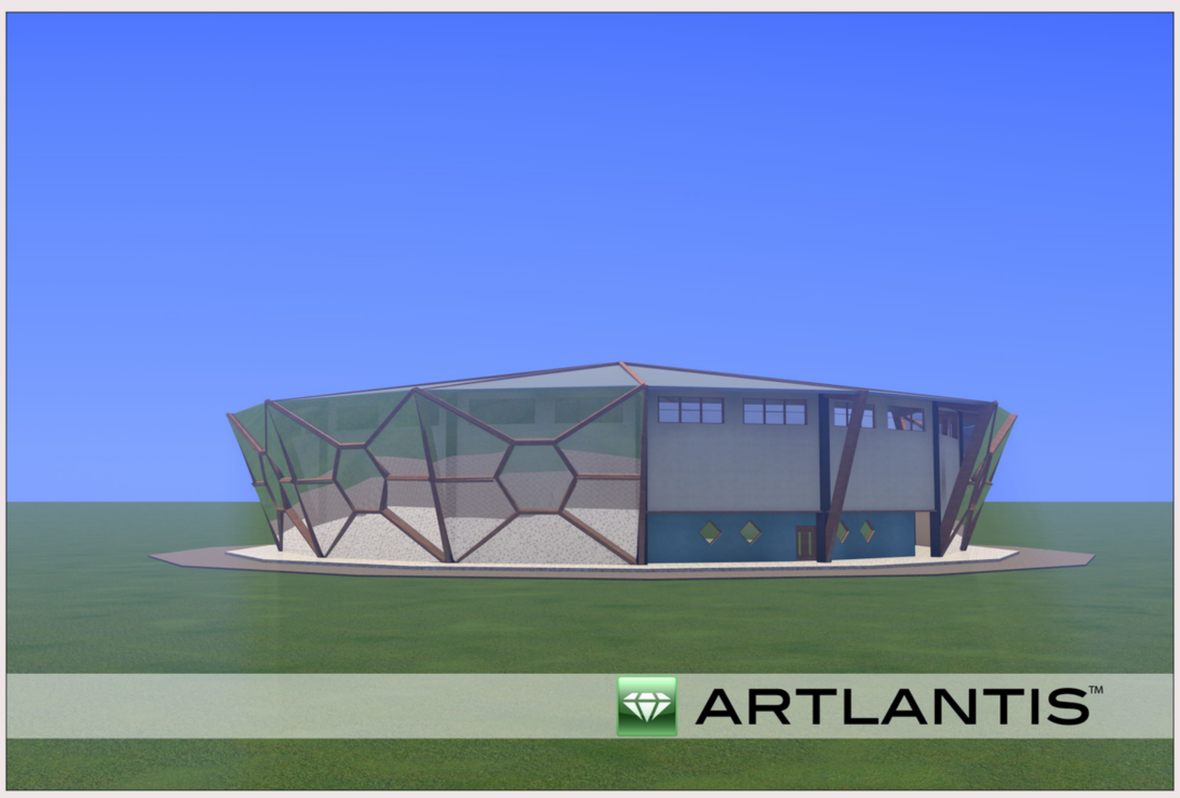

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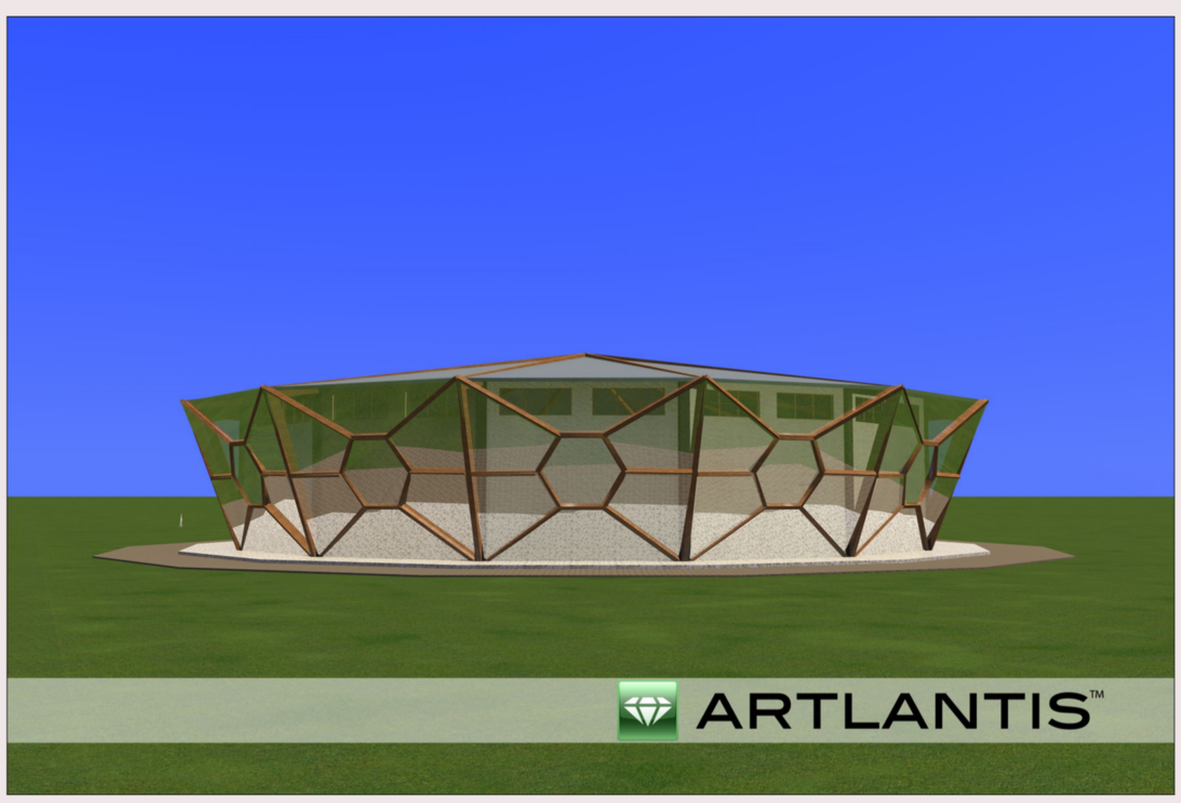

ARTLANTIS™


ARTLANTIS™

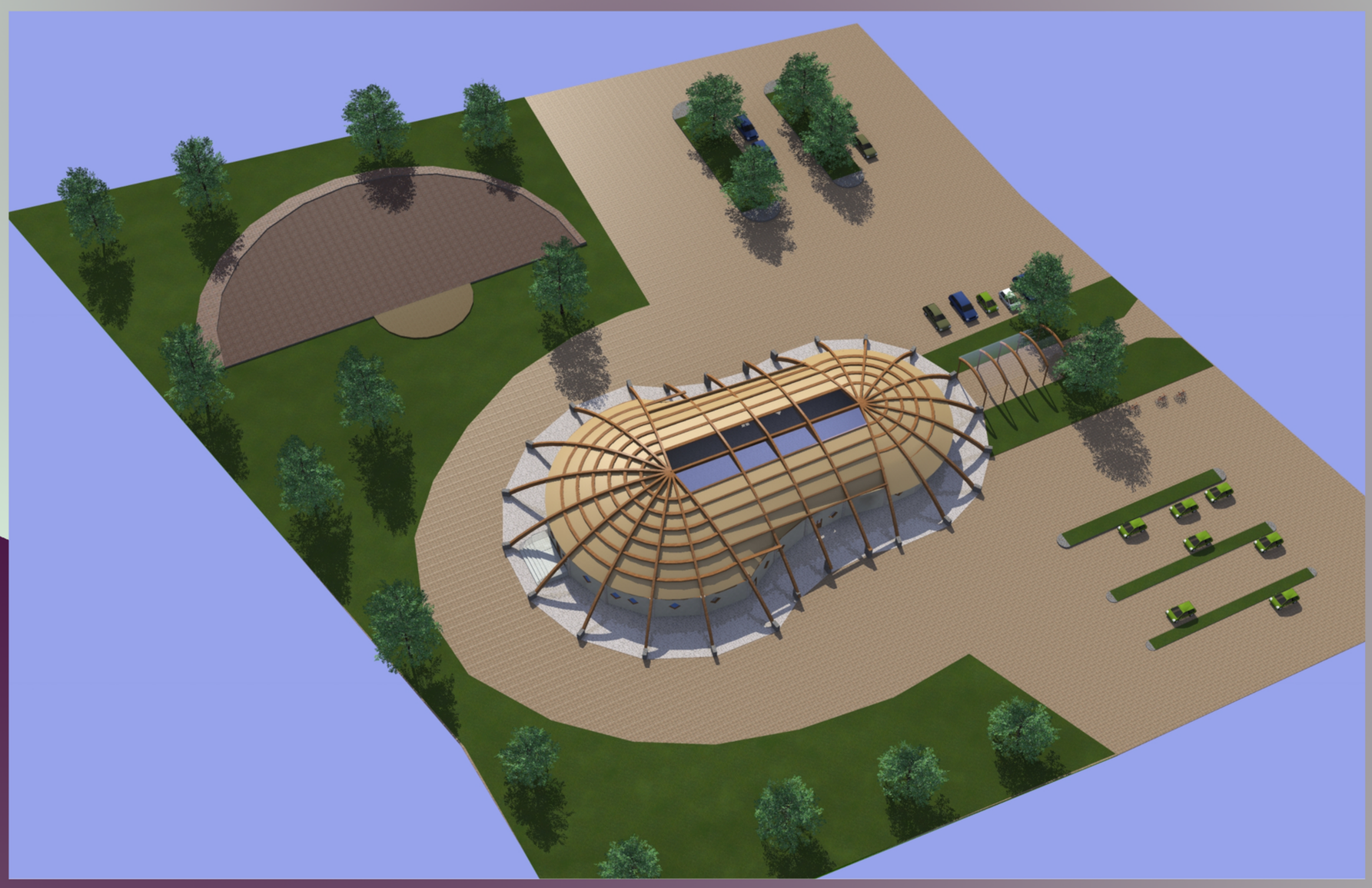

ARTLANTIS™


ARTLANTIS™

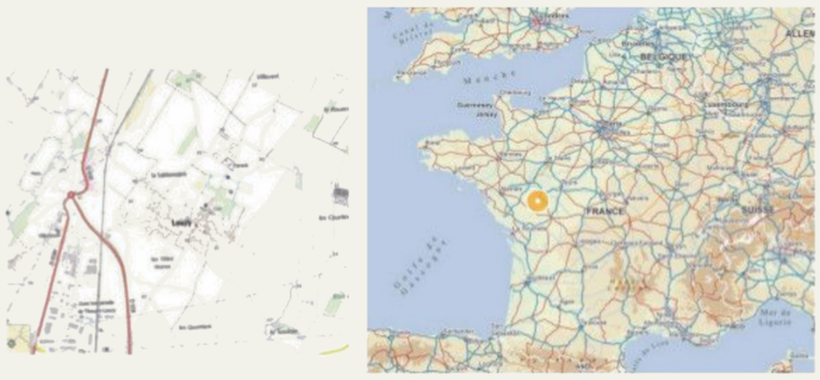

ARTLANTIS™


ARTLANTIS™

Concours restreint de maîtrise d'oeuvre sur esquisse plus et pré-sélection sur références, pour la construction d'un équipement culturel et festif a Louzy France



Région : Nouvelle Aquitaine
Département :79 – Deux-Sèvres
Superficie : 5 999 km²
373 553 habitants (PSDC – INSEE 2014) - 62 habitants/km².
Commune :Louzy
Communauté de Communes du Thouarsais.
1 322 Habitants (INSEE 2014).
Adresse du site :
Lieu-dit : « Le Château ». Rue de la Sablonnière. Site étudié référencé sous le numéro ZT175 au cadastre.



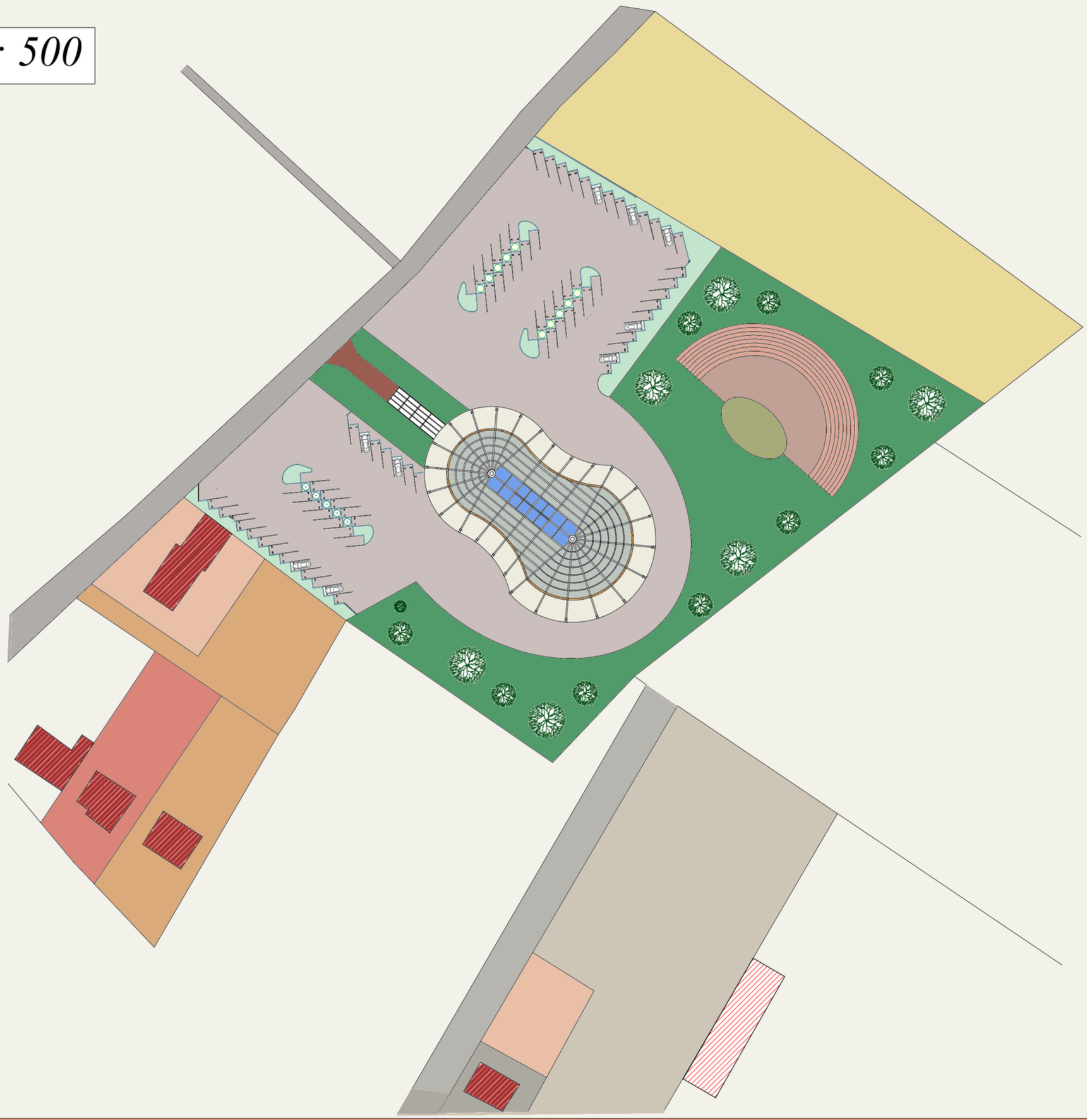




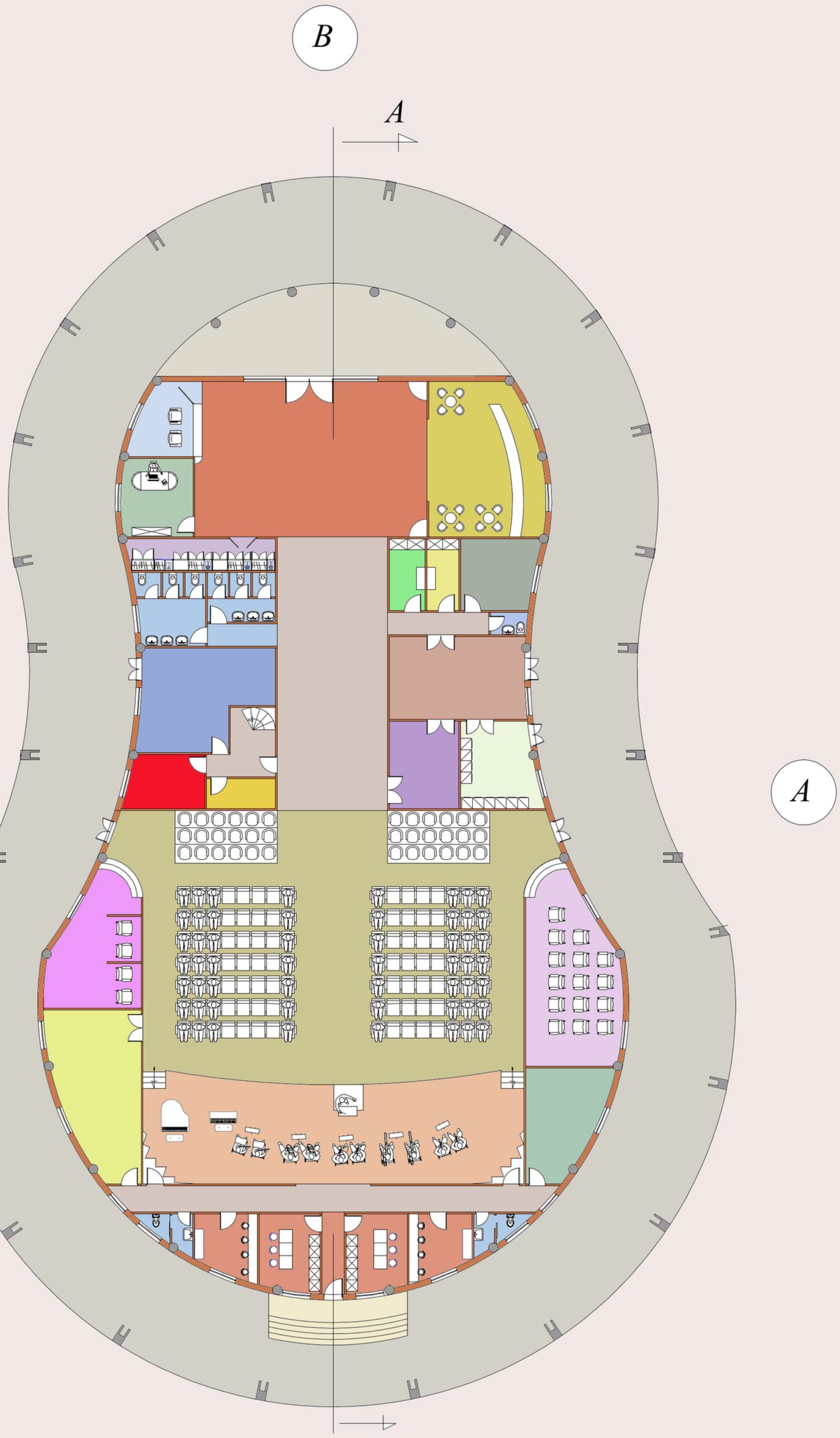
Plan cadastral 1: 2000
Commune de Louzy
Feuille : 000 ZT 01



Planimetrie 1: 500



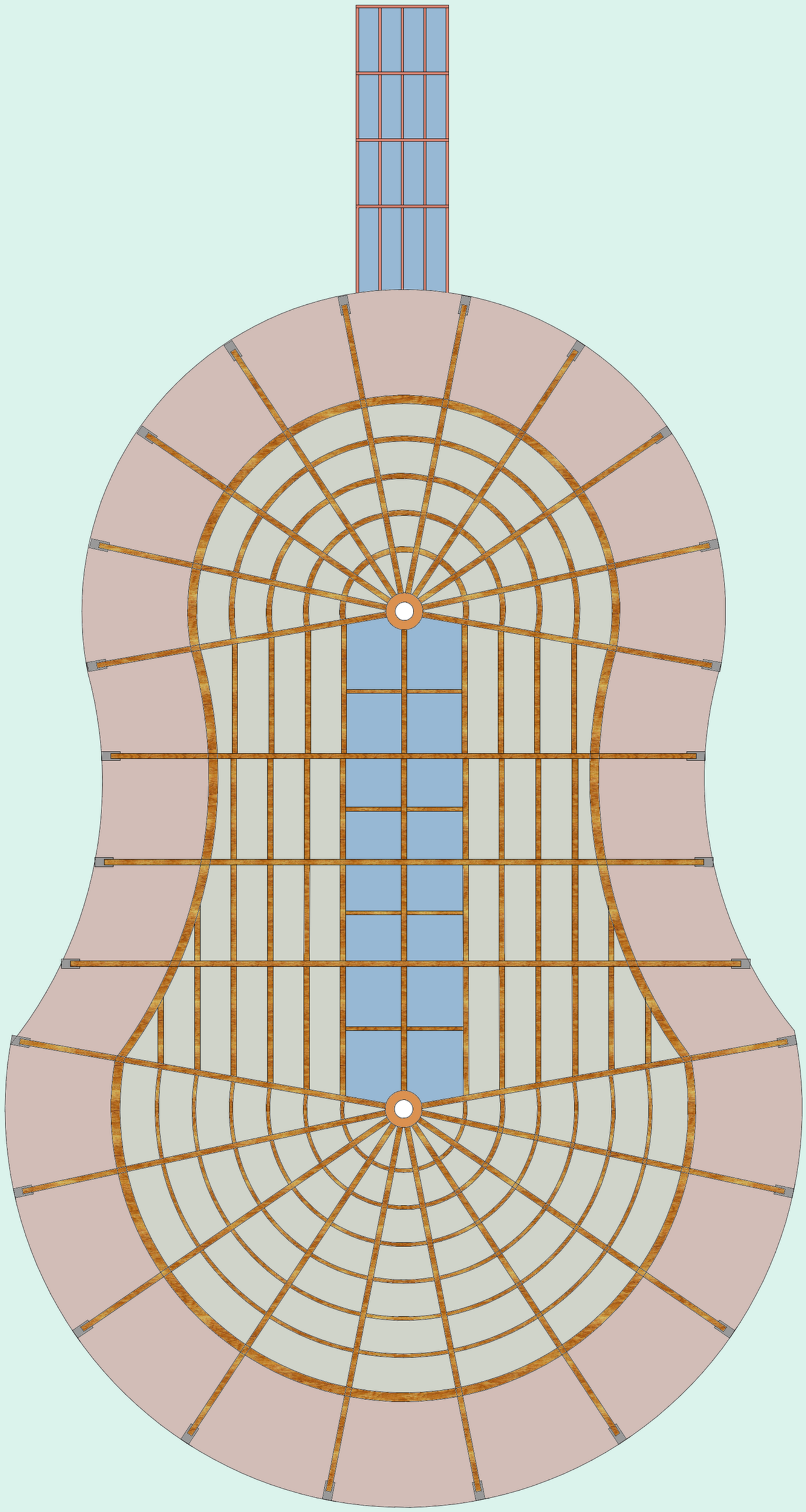
échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4



Entrée du public		*Espace scenique*	*128 m²*
Accueil	*100 m²*	*Loges collectives*	*50 m²*
Bar et réserves	*48 m²*	*Loges individuelles*	*30 m*
Billetterie	*12 m²*	*Dégagements de scène*	*60 m²*
Bureau	*16 m²*	*Rangement matèriel de salle*	*38 m²*
Vestiaires	*13 m²*	*Atelier de maintenance*	*22 m²*
Vestiaires homme	*7 m²*	*Chauderie - ventilation*	*40 m²*
Vestiaires femme	*7 m²*	*Local entretien*	*12 m²*
Zone vaisselle	*15 m²*	*Local TGBT*	*6 m²*
Zone préparation et réchauffage	*32 m²*	*Sanitaires*	***45 m²***
Zone envoi	*17 m²*	*Circulations*	*133 m²*
Local stokcage froid	*18 m²*	*Surface total*	*1125 m²*
Salle d'activité	*277 m²*	*Regie*	

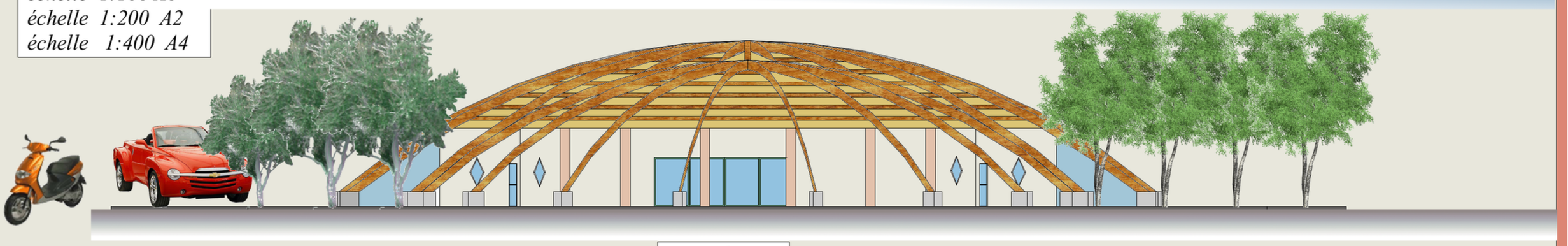
plan rez-de-chausée

échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4

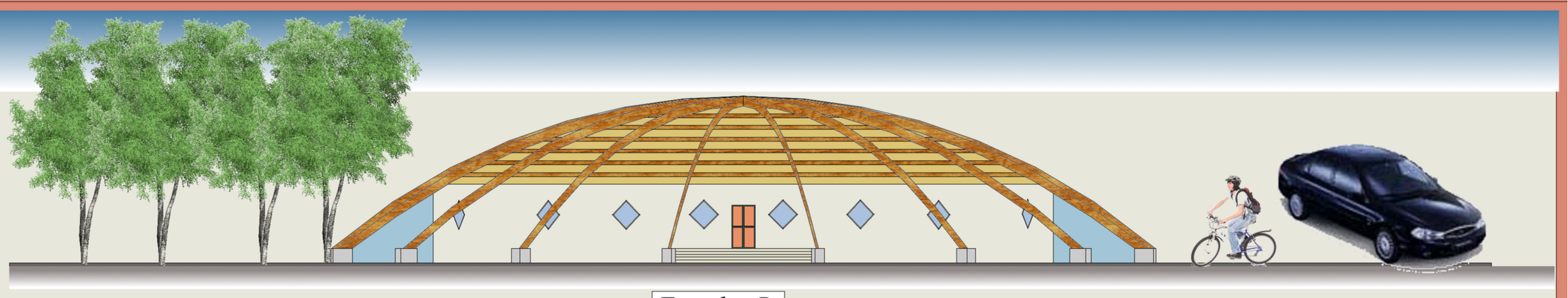


Plan du toit

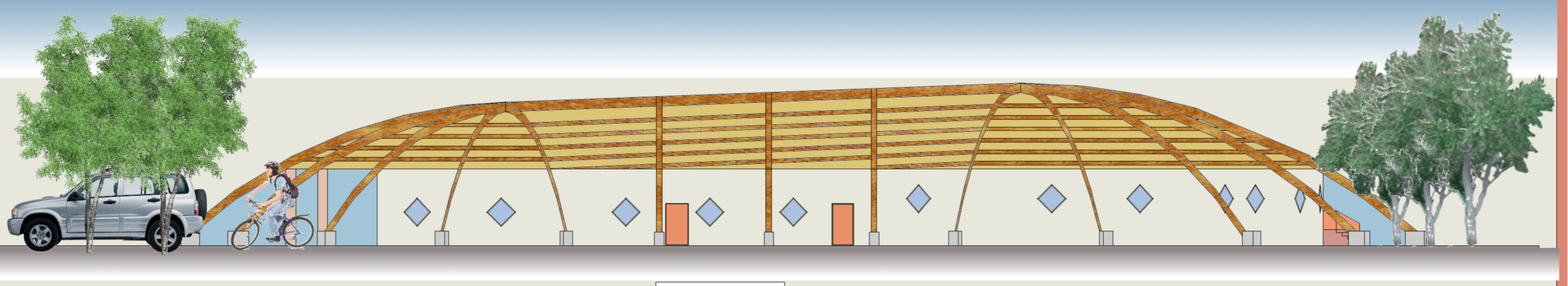
échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4



Façade D



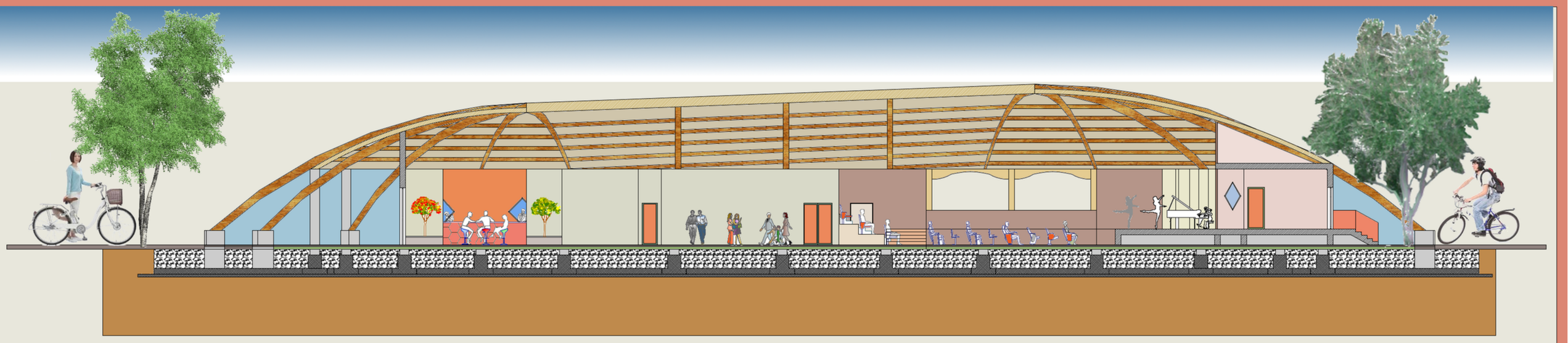
Façade B



Façade A



Façade C



Section A-A'

Rendering



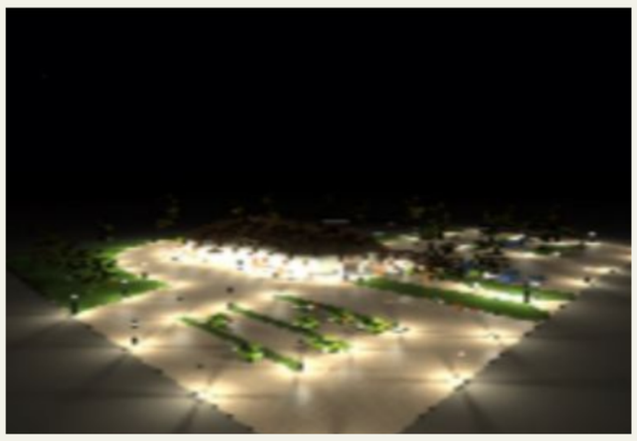








Postcard nocturne







Rendering du Paysage









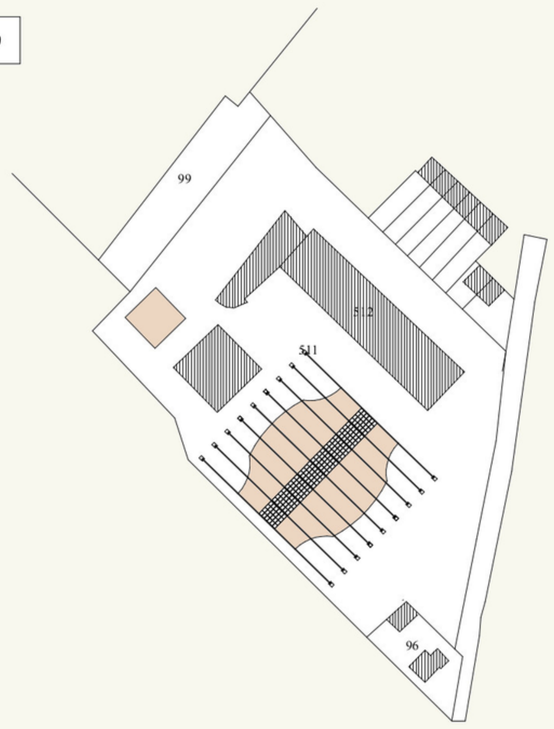




Concours restreint de maîtrise d'oeuvre sur esquisse plus et pré-sélection sur références, pour la construction d'un Gymnase a Le Bugue France



échelle 1:1000

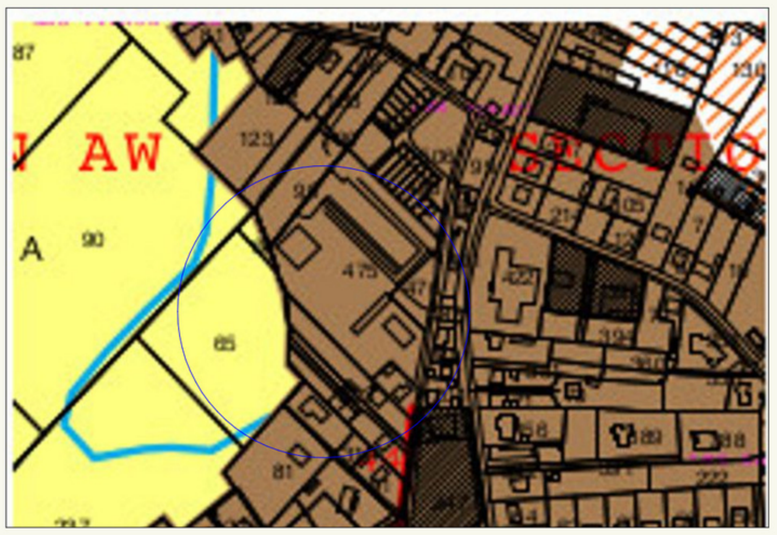


Département :DORDOGNE
Commune :LE BUGUE
Section : AX
Feuille : 000 AX 01

EXTRAIT DU PLAN CADASTRAL

Zone UB - premières extensions du centre (habitat, commerces, services,...)

Zone de sismicité très faible



EXTRAIT Zonages PLU





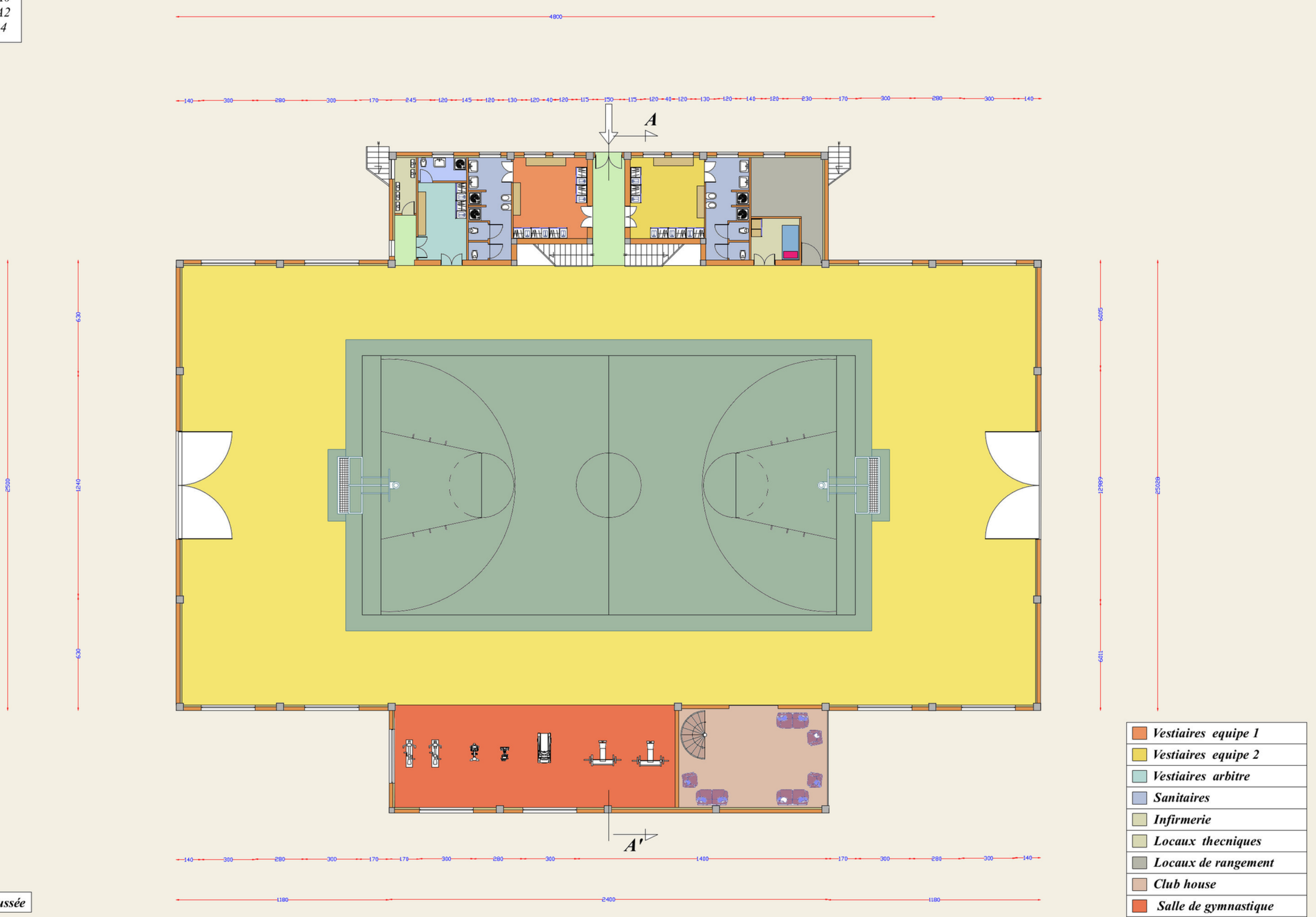
Planimétrie
Echelle 1:500

N



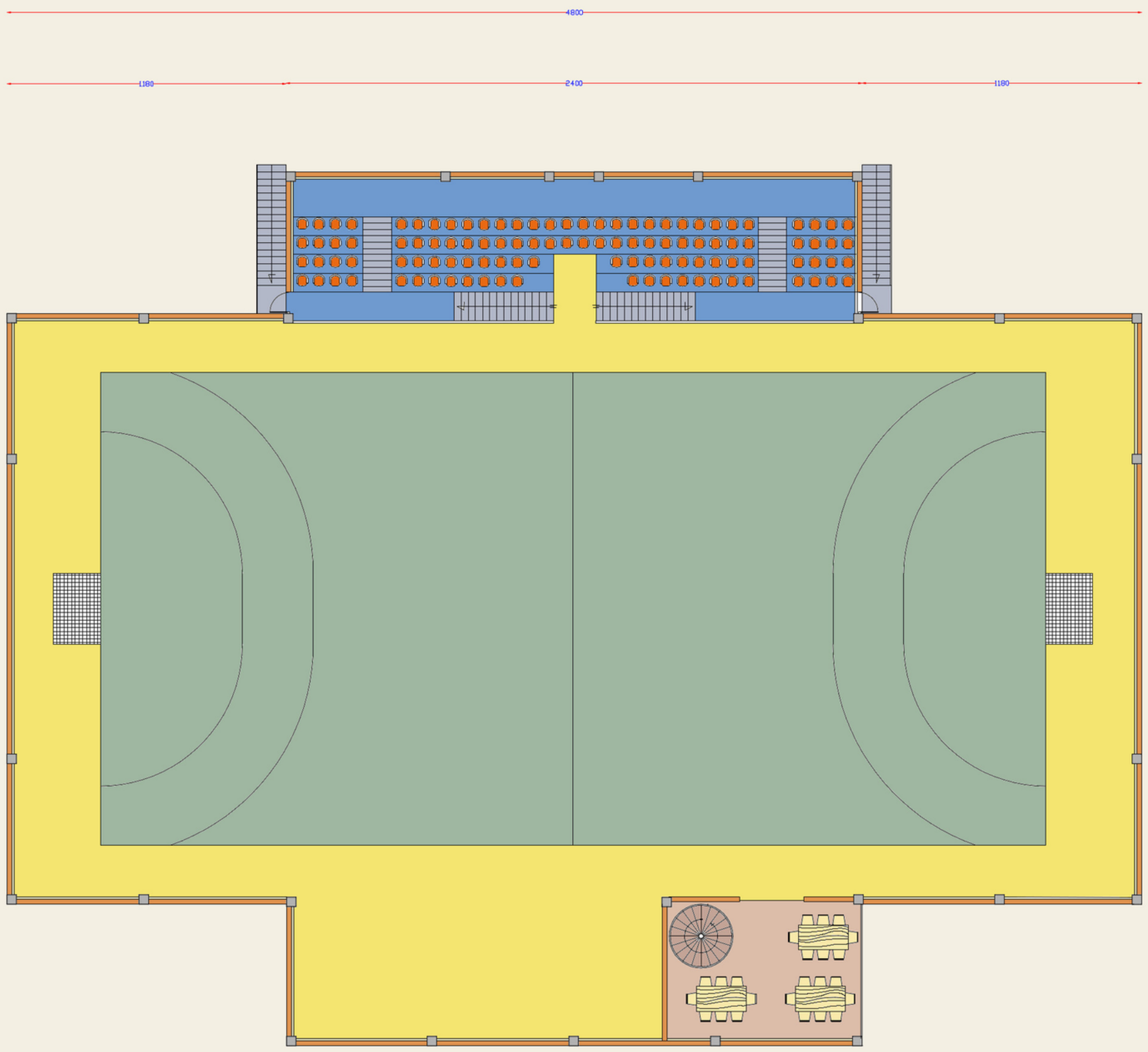
Ing. Mosca Giuseppe

échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4



Plan rez - de - chaussée

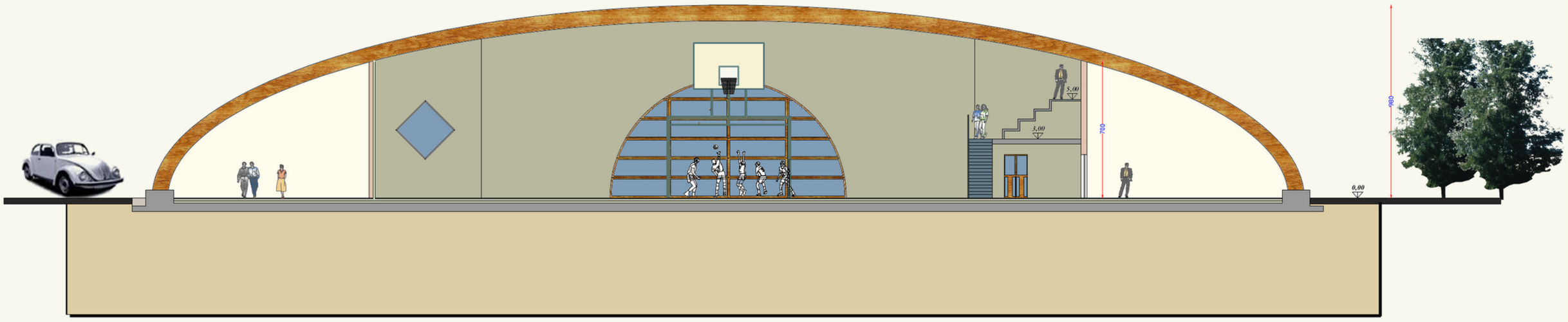
- *Vestiaires equipe 1*
- *Vestiaires equipe 2*
- *Vestiaires arbitre*
- *Sanitaires*
- *Infirmerie*
- *Locaux thecniques*
- *Locaux de rangement*
- *Club house*
- *Salle de gymnastique*
- *Tribune*
- *Salle de sports*



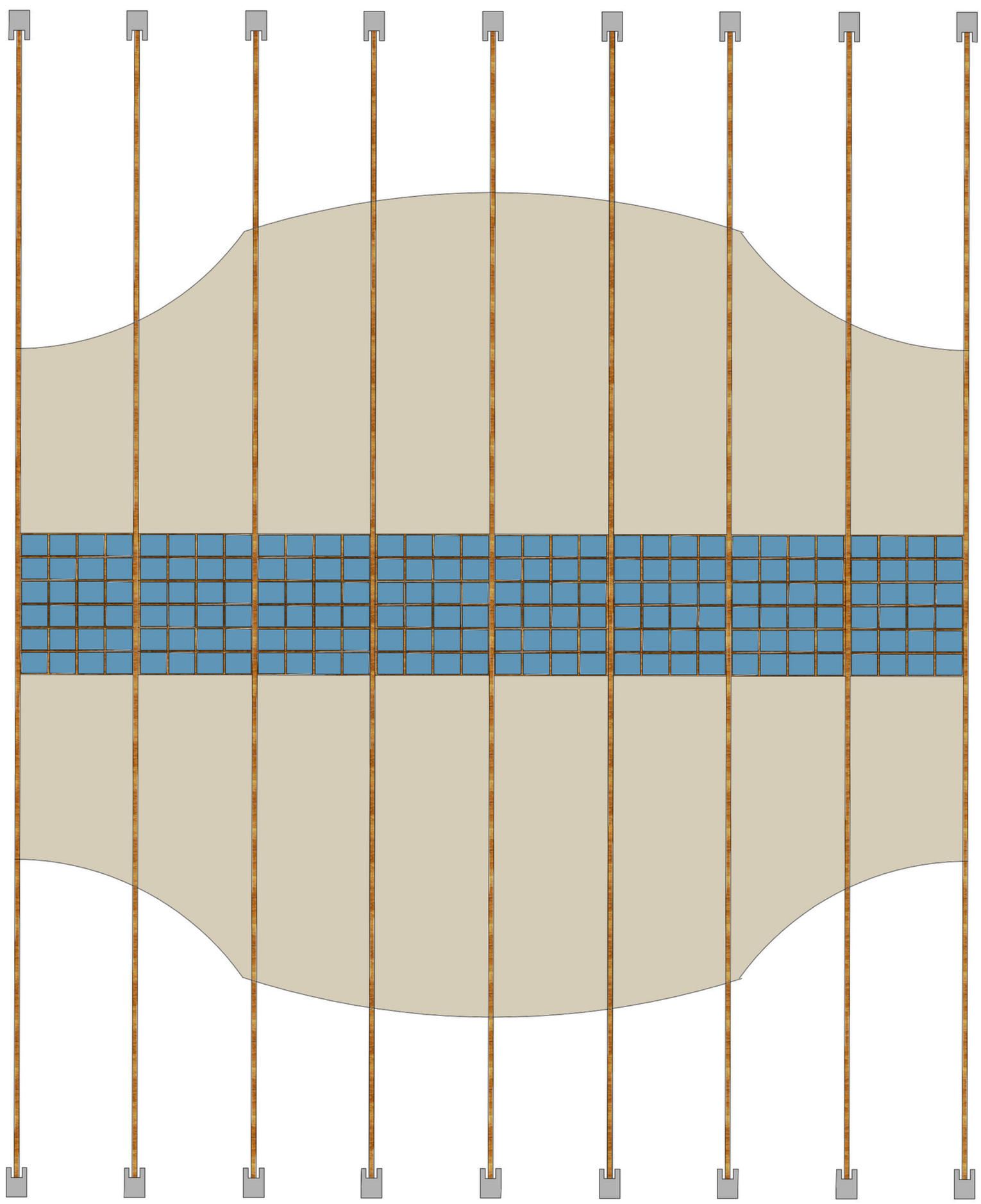
Plan tribune

Ing. Mosca Giorgi

échelle 1:100 A0
échelle 1:200 A2
échelle 1:400 A4



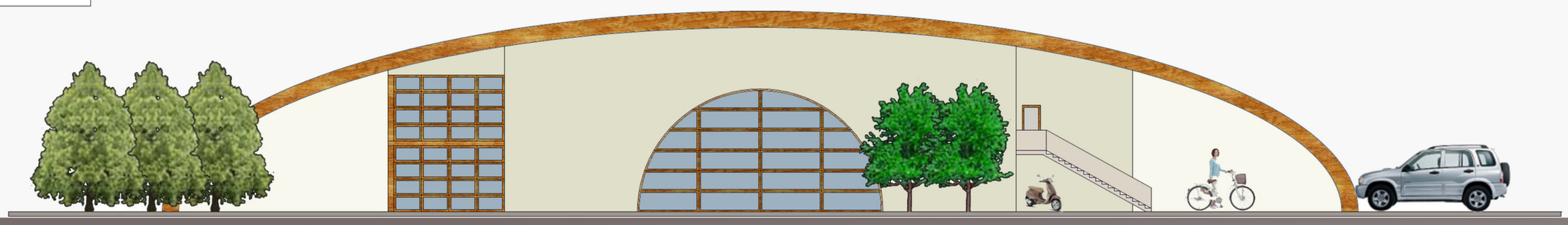
Section A-A'



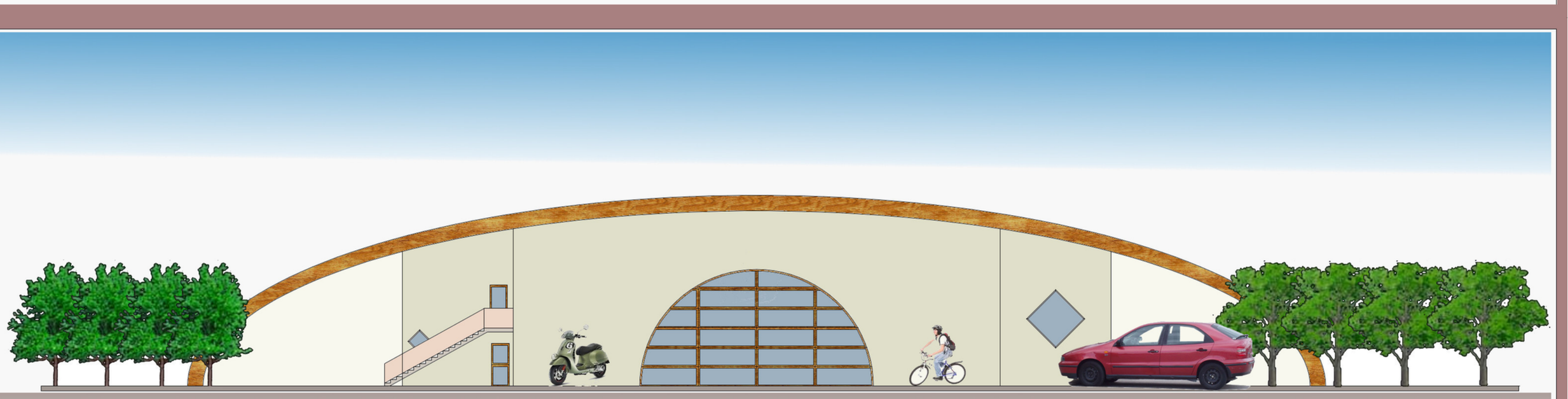
Plan du toit

Ing. Mosca Giorgio

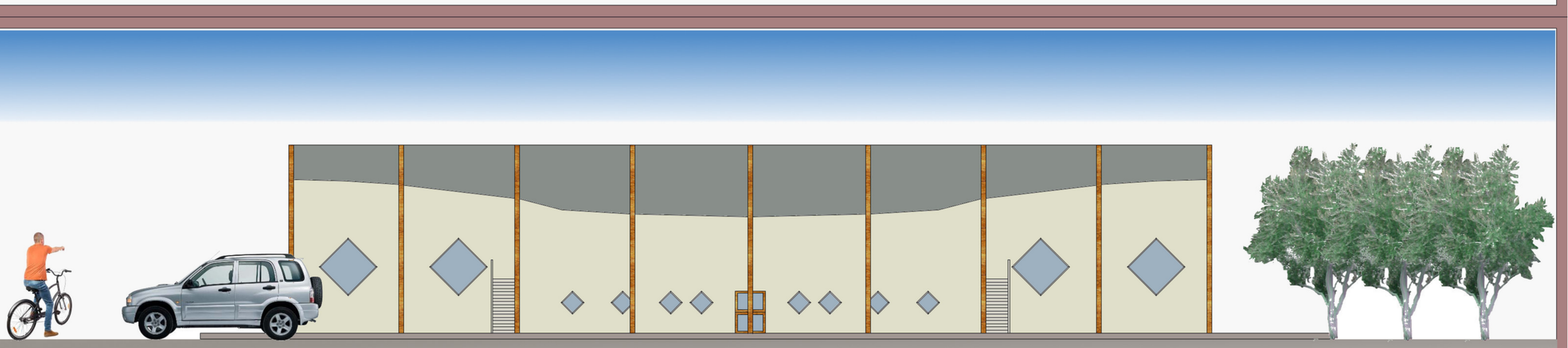
échelle 1:100 A0
échelle 1:200 A2
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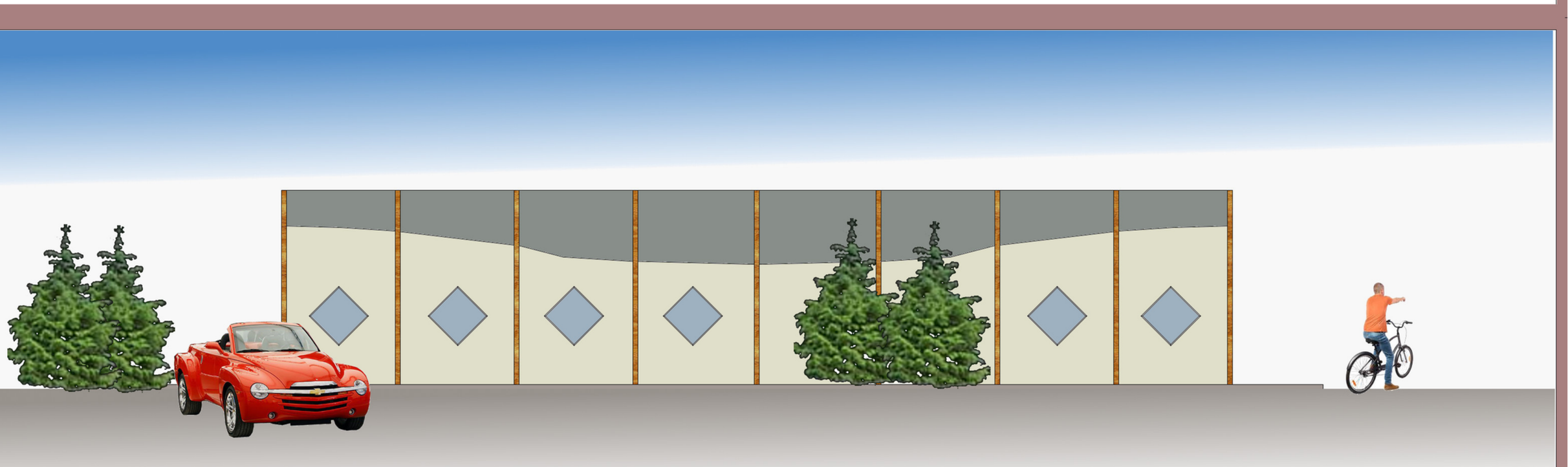
Façade Nord -Est



Façade Sud-Ouest



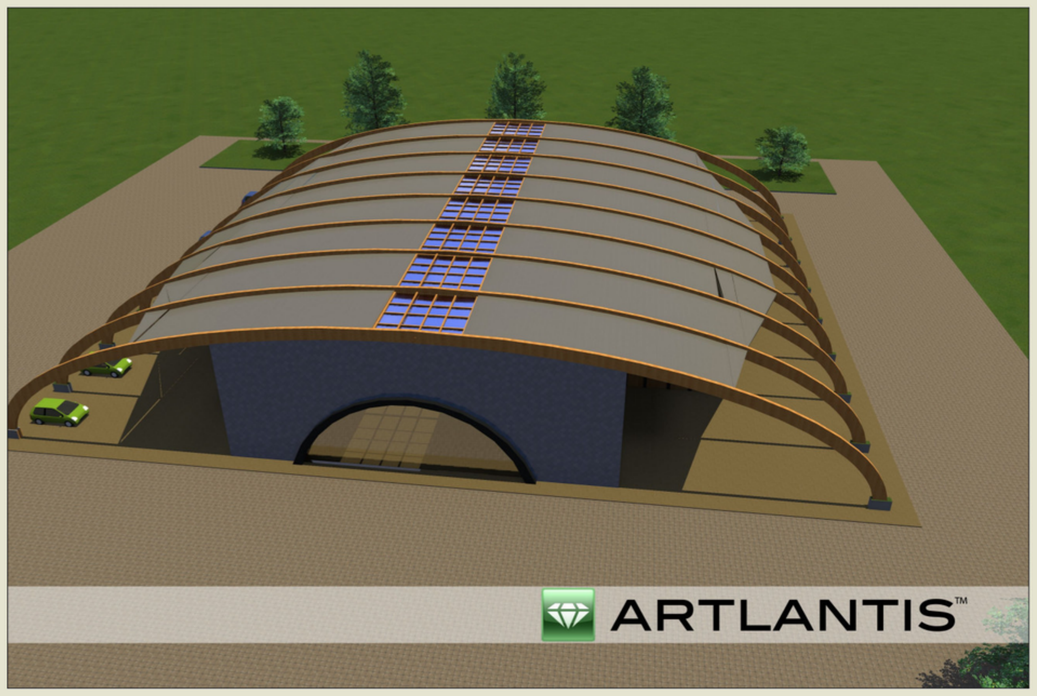
Façade Nord -Ouest



Façade Sud -Est

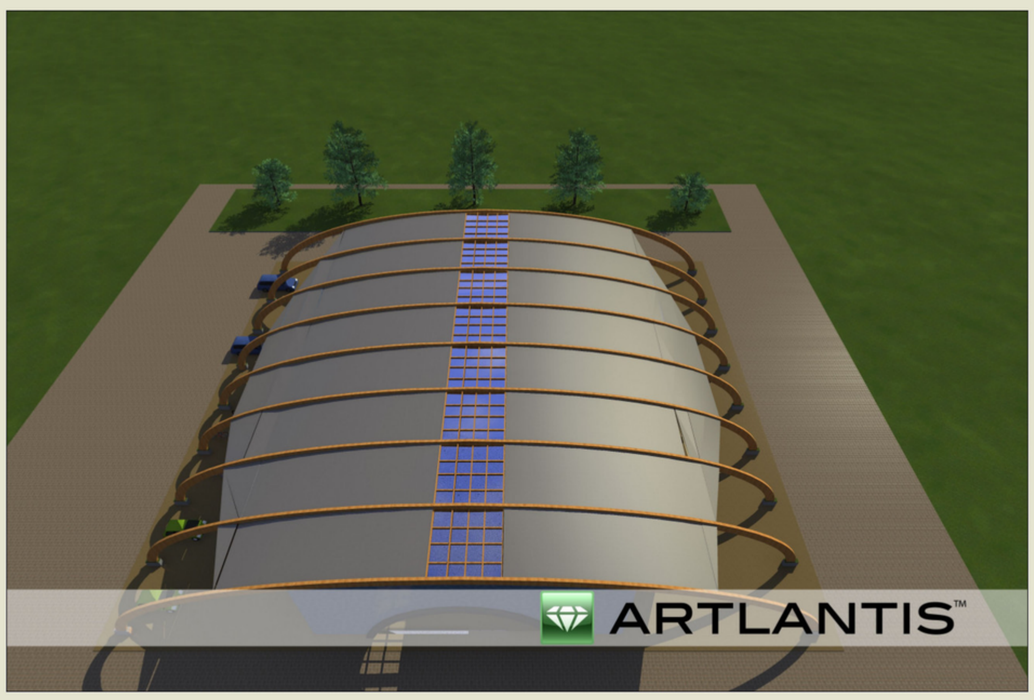
Ing. Mosca Giuseppe

RENDERING

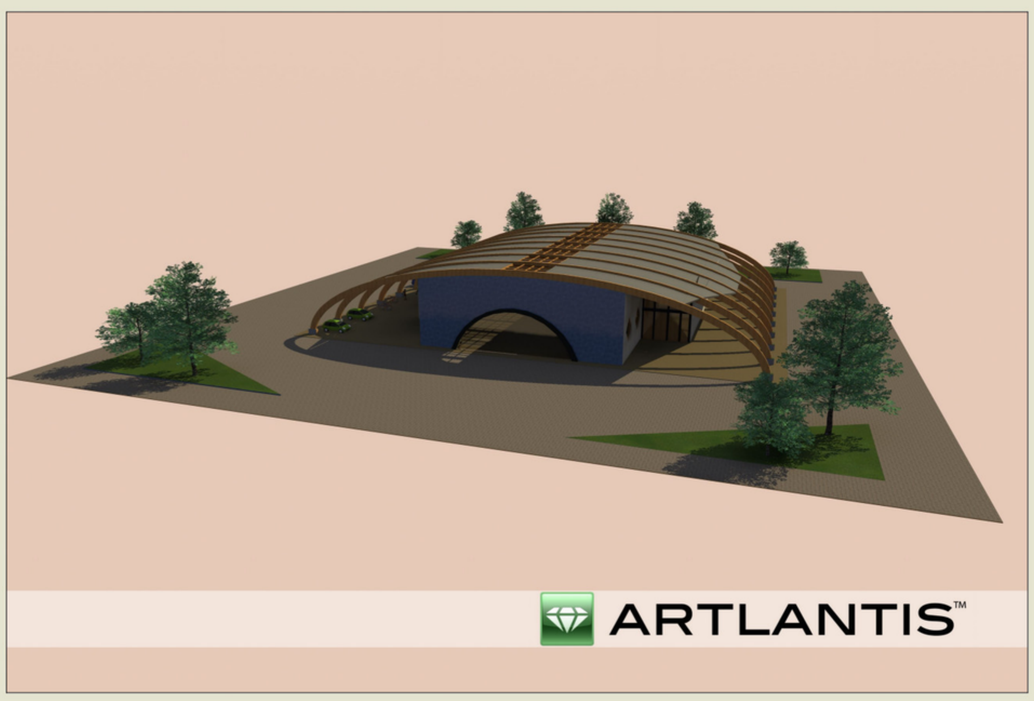














Ing. Mosca Giorgio

Design Competition
Affordable Housing 2025: New York

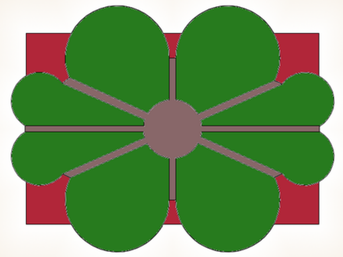






Scale 1:500

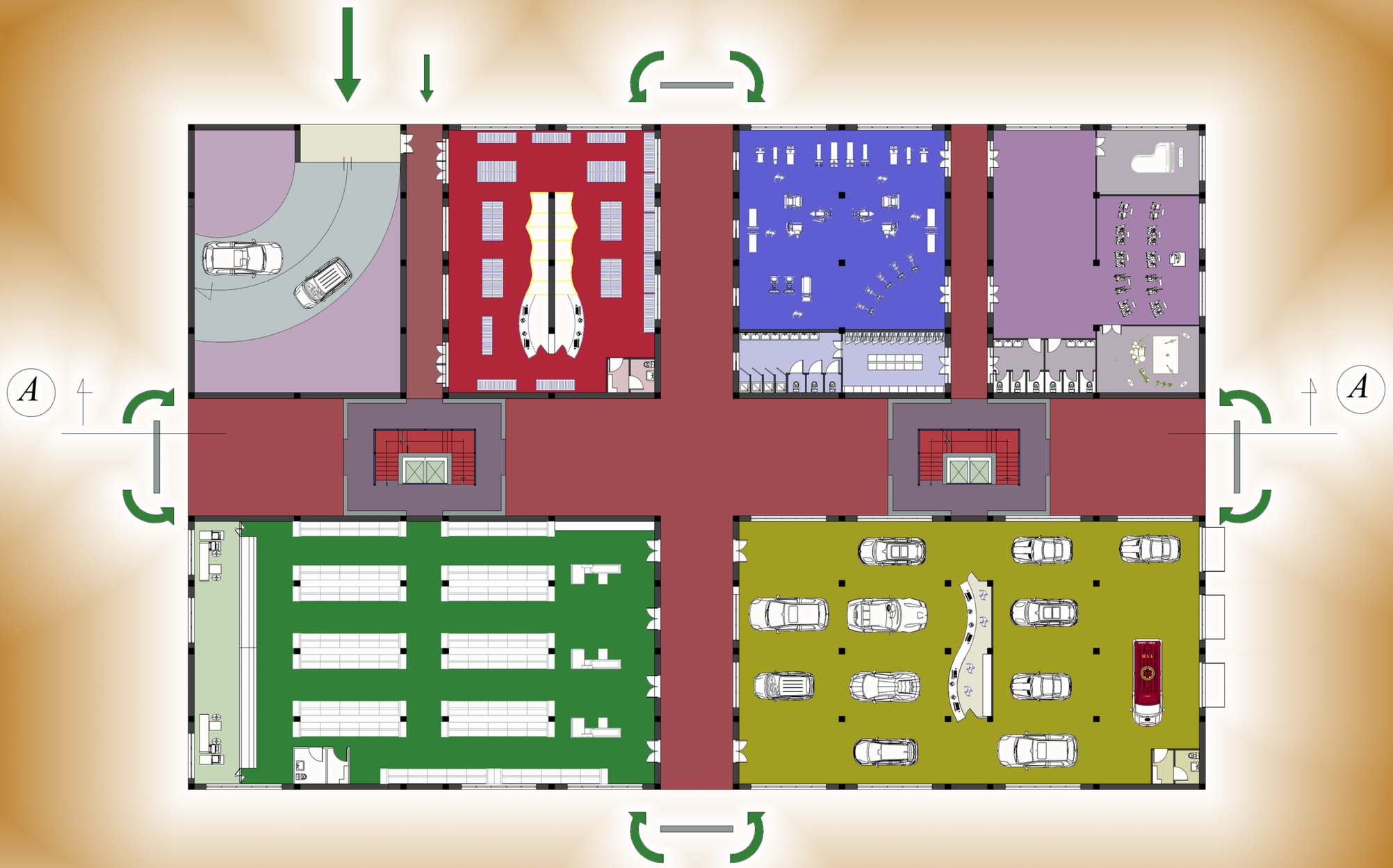




Architectural form

Planimetry

Scale 1:100



Ground floor plan

Scale 1:100



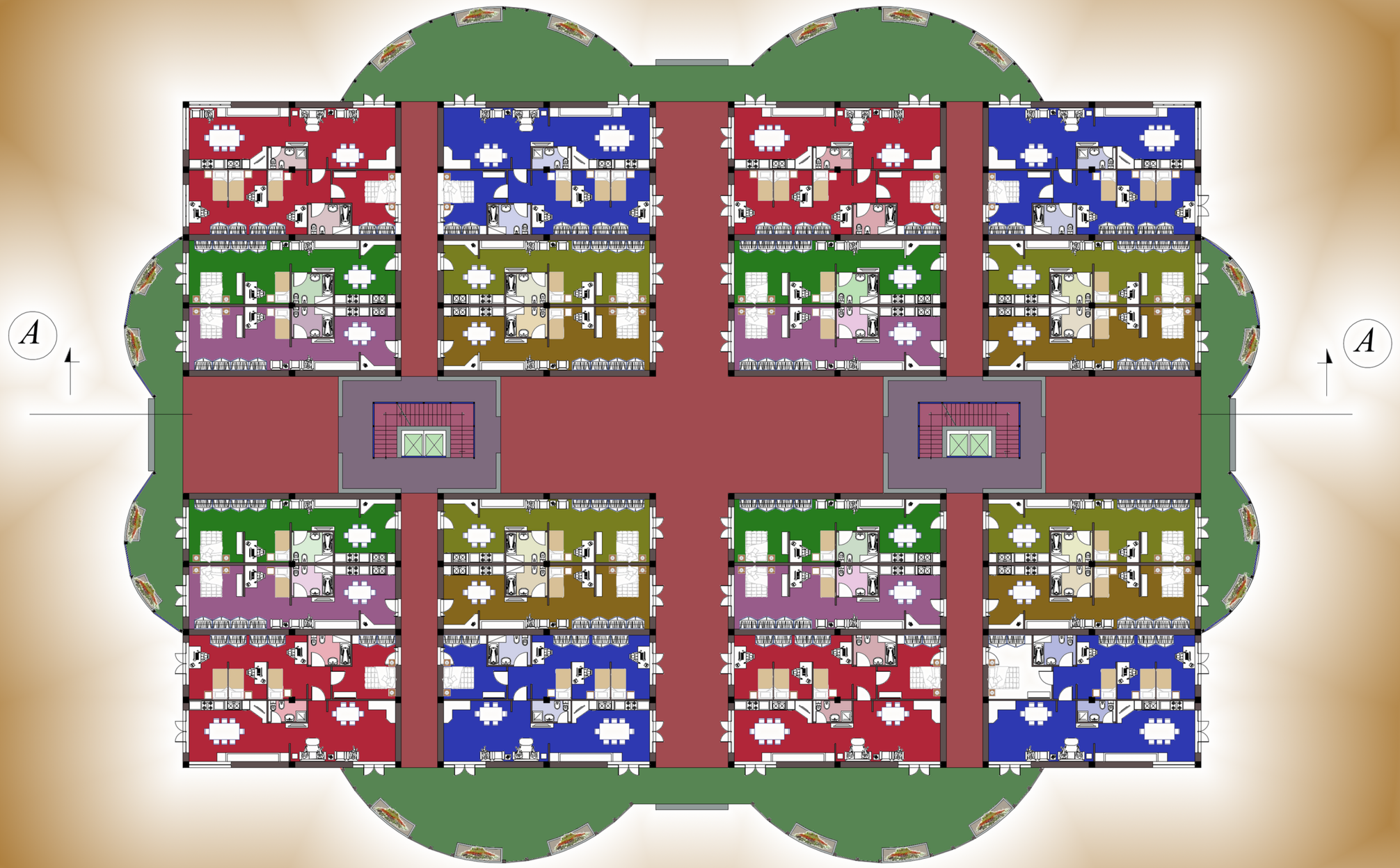
First floor plan

Scale 1:100

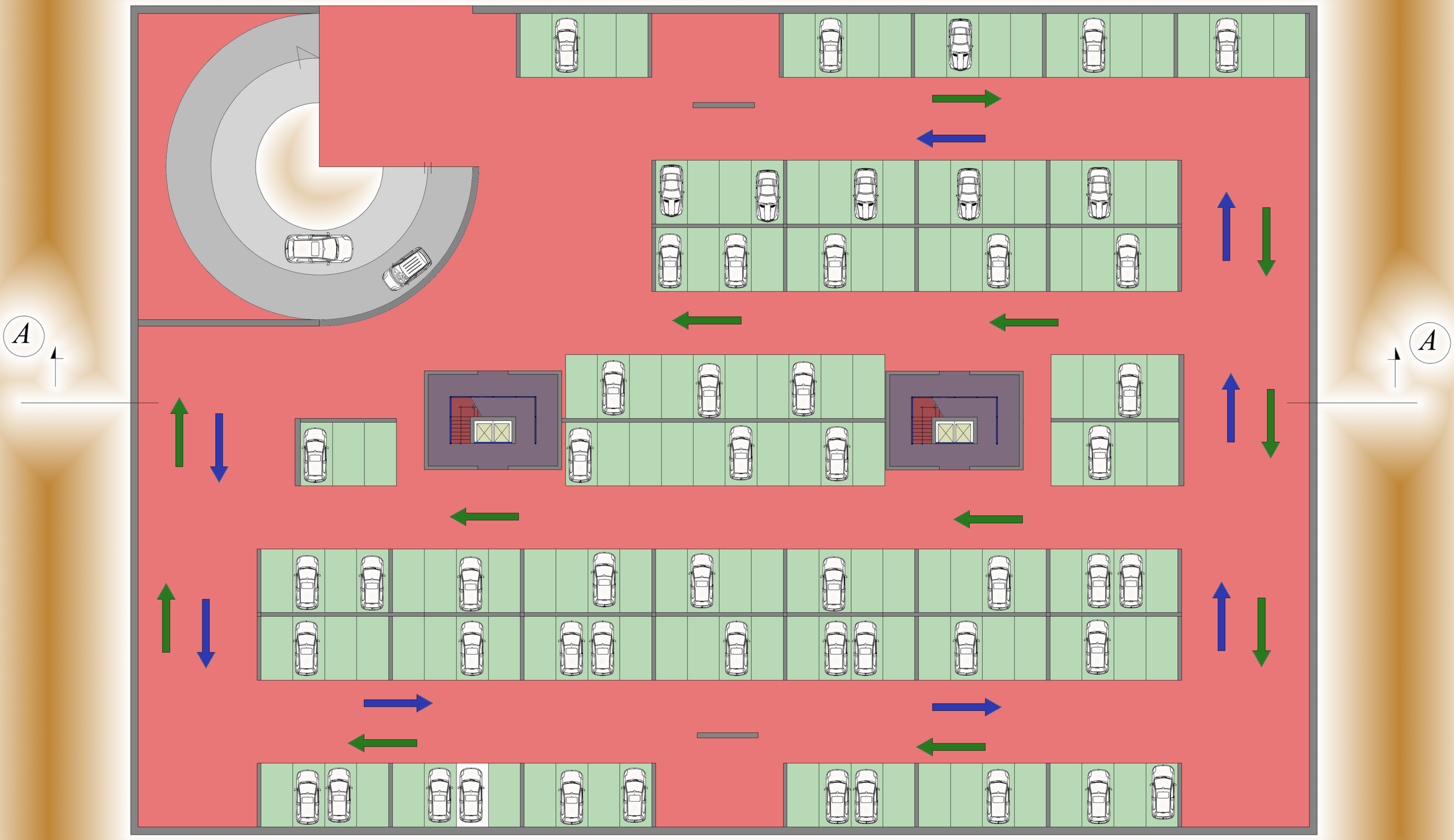


Second , third, four Floors plans

Scale 1:100



Type Floors twenty-five plans



Scale 1:100

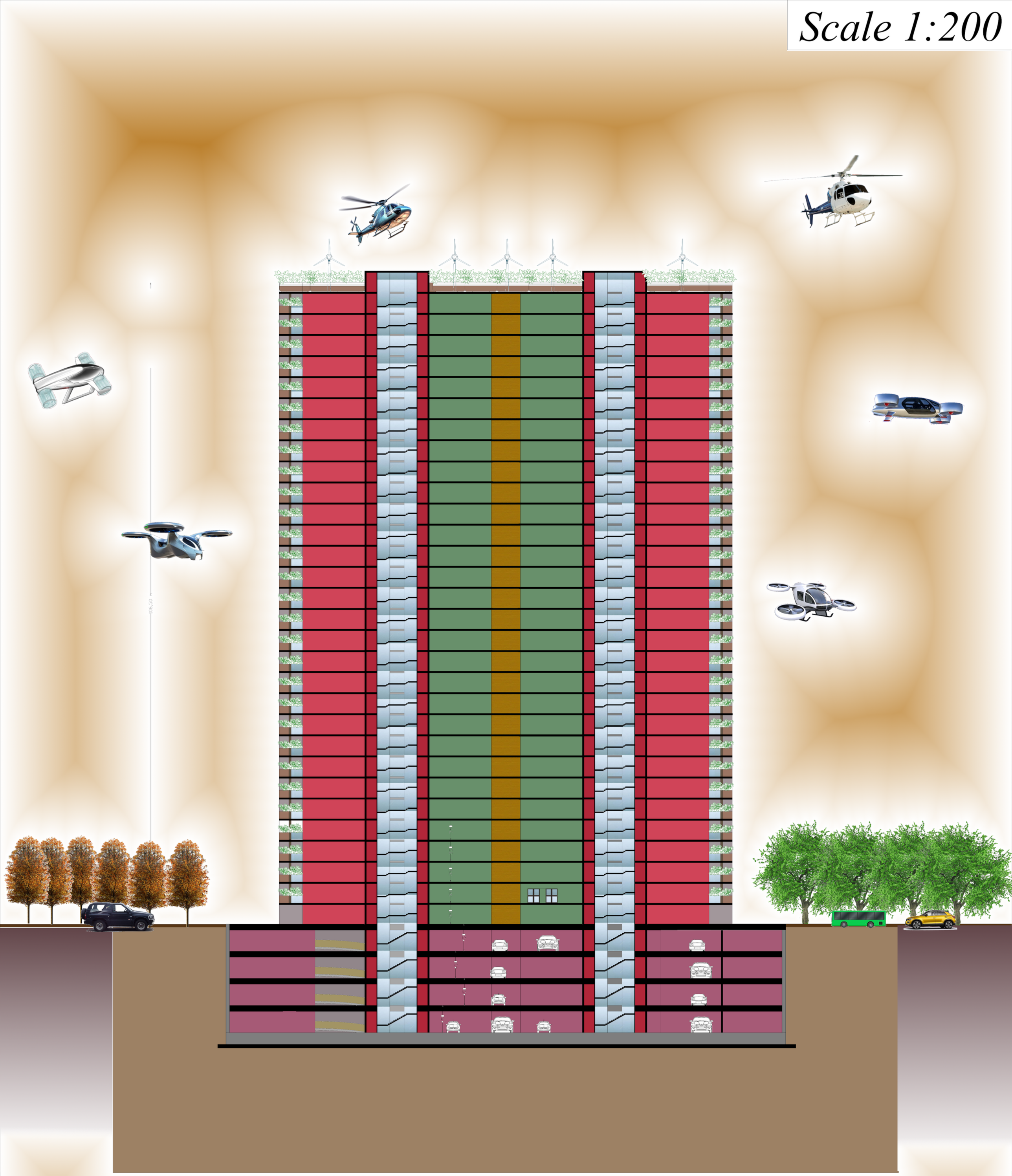
Basement Type floors
plan 4 garage ≈ 650 box

Scale 1:200



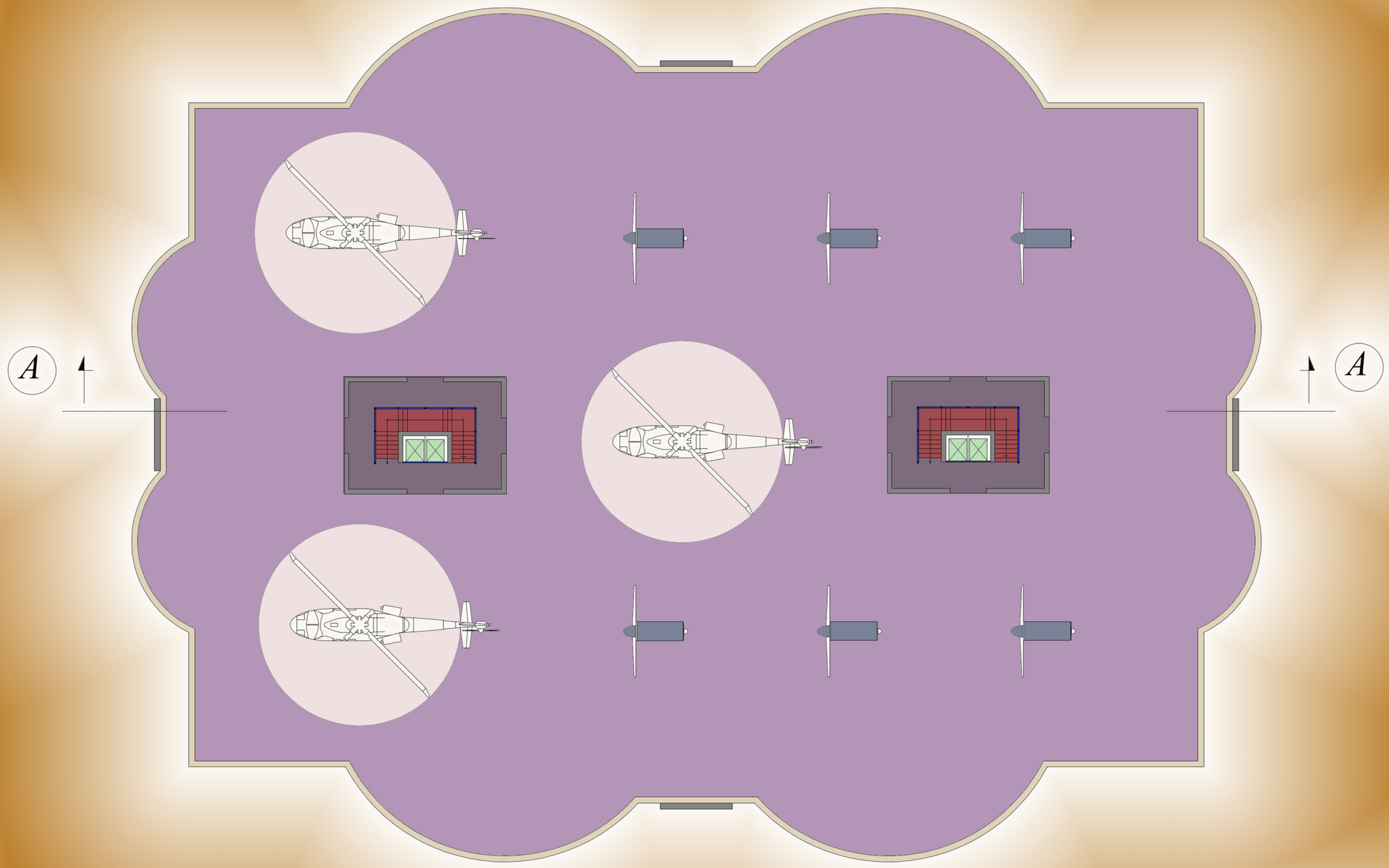
Façade

Scale 1:200



Section A-A

Scale 1:100



Terraces roof floor plan



