

Architectural design competition



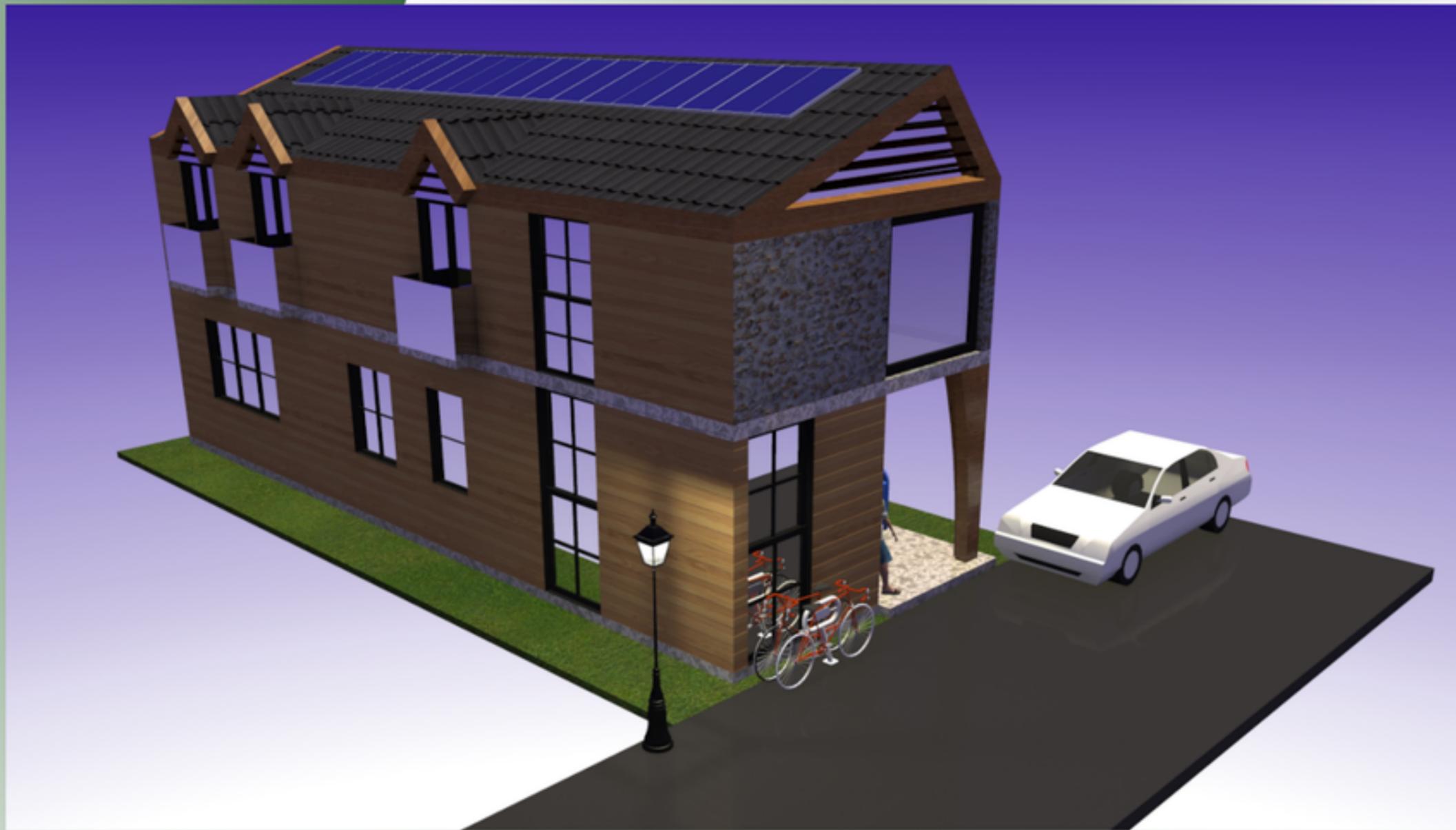
Architectural competition Nomura Builders Osaka Japan

*The electric fuelling Station of the Future design competition
electric Autonomy Canada*

*Design competition Tarkhanovo green park city of Yoshkar
Ola Mary e Russia*

Saikay Tiny House Design Contest 2024

*Architectural Competition Nomura Builders
Osaka Japan*



Architecture Competition

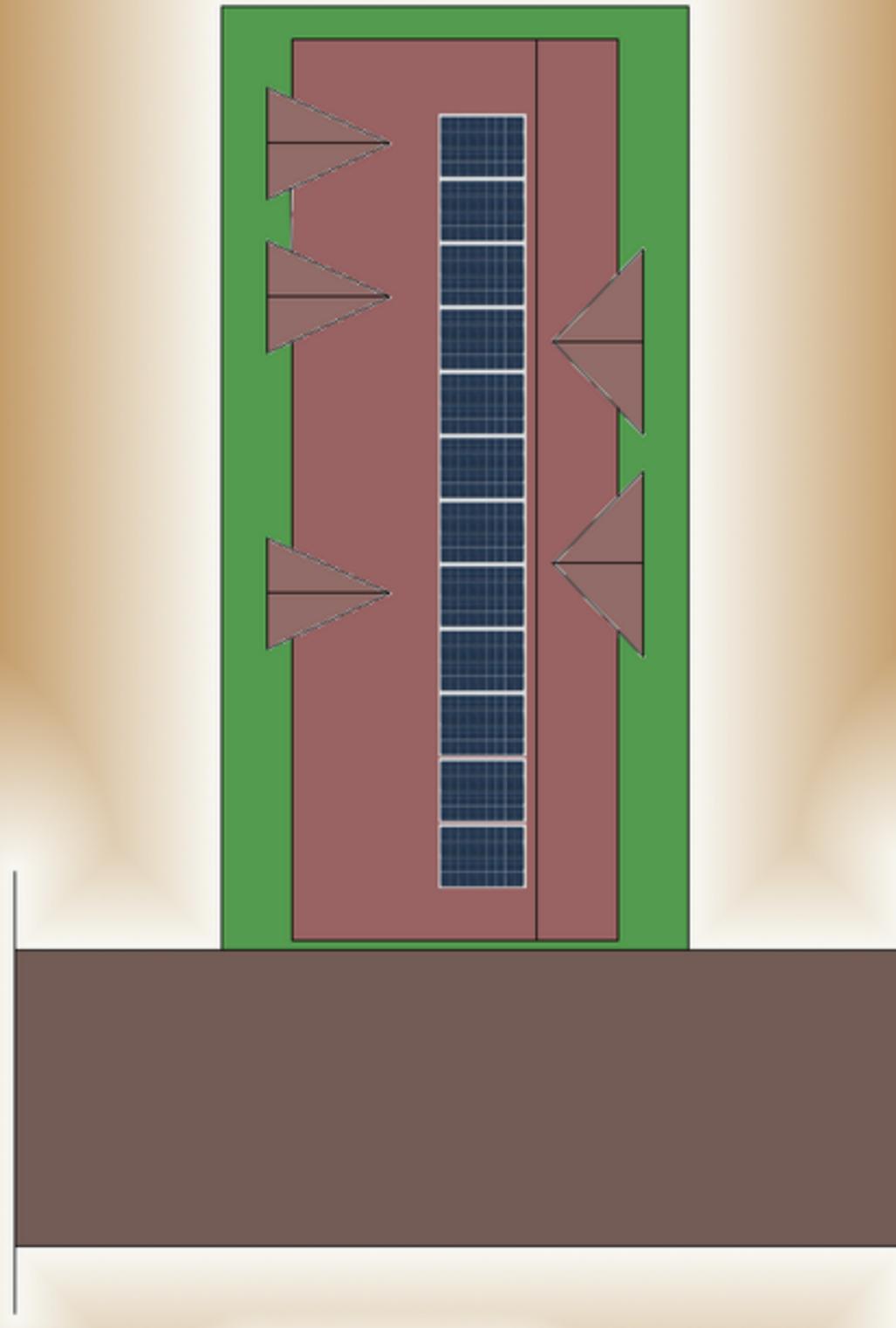
Nomura Builders



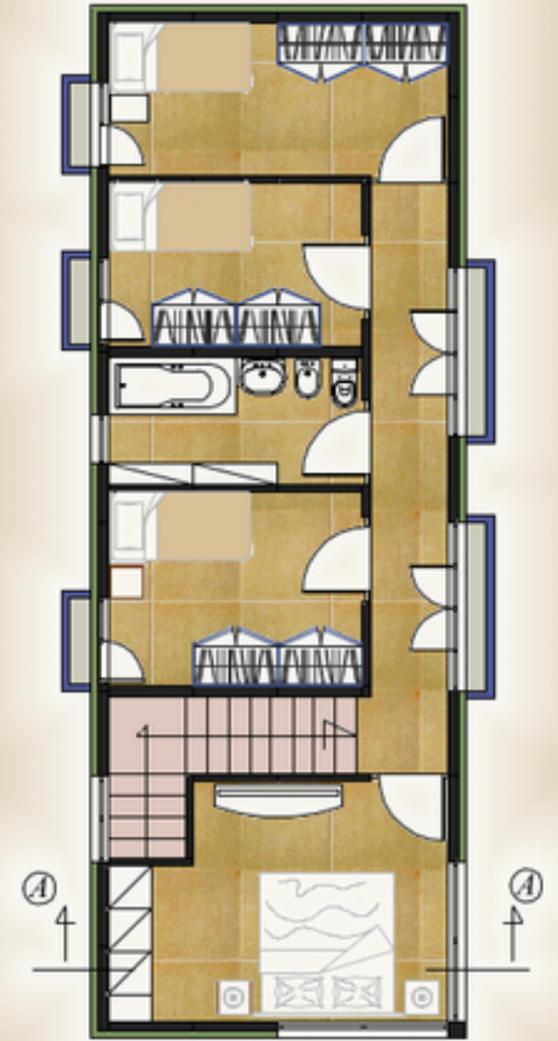
The technical bureau of the engineer Mosca Giuseppe is housed in a corner of his home and through the Internet he has been able to design all over the world with good results but little economic success. The skills of the Engineer Giuseppe Mosca as per his studies were initially structural then from 2015 he dedicated himself to architectural and environmental design also to overcome a condition of professional discomfort. The house designed is a single-family residence that develops over two floors made with X-LAM wood panels of 15 thickness following the criteria of modular design; the photovoltaic system on the roof and the external thermal insulation arranged on the walls minimize heat loss and energy consumption. The architecture of the house has a clear minimalist imprint with the dormer windows arranged on the small balconies that enliven the pitched roof. Construction costs in Italy fluctuate around 1400 euro/sqm for a finished building or 196.000 yen/sqm; the selling price depends on the area where the house will be built around 3,000 euros/sqm or 420,000 yen/sqm.



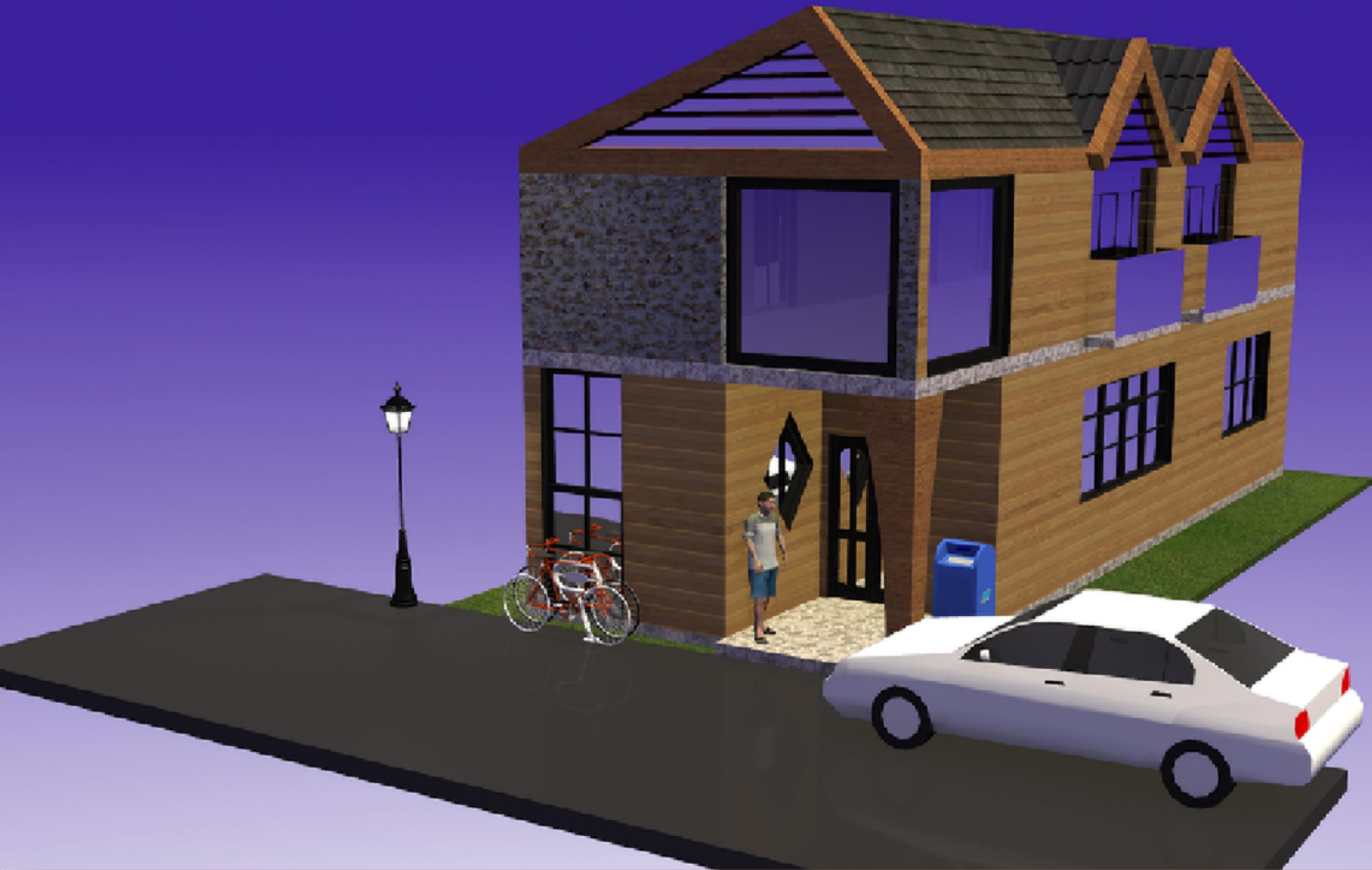
Ground Floor Plan



Roof Plan

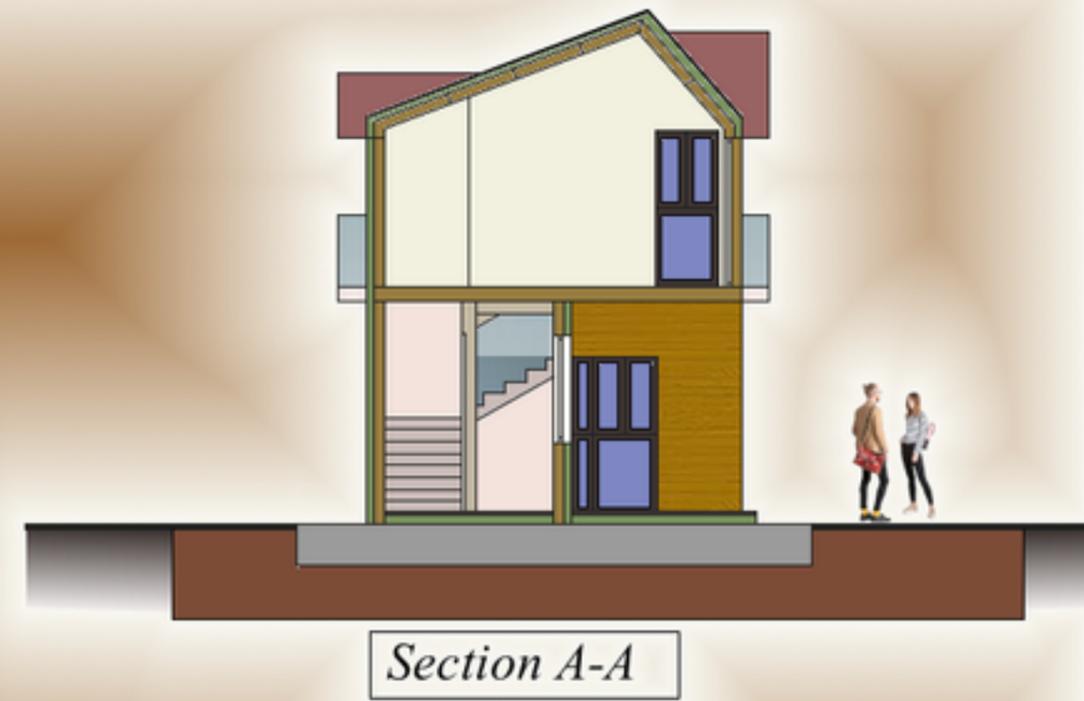


First Floor Plan

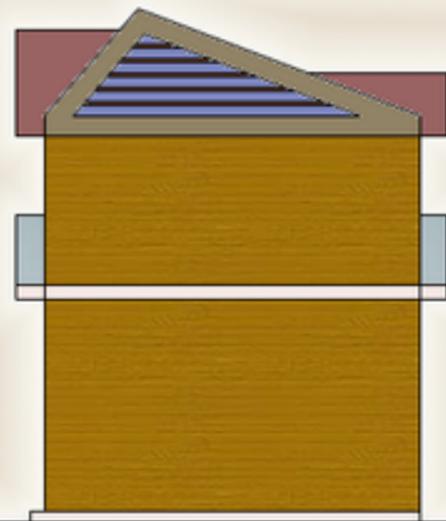




Façade West



Section A-A



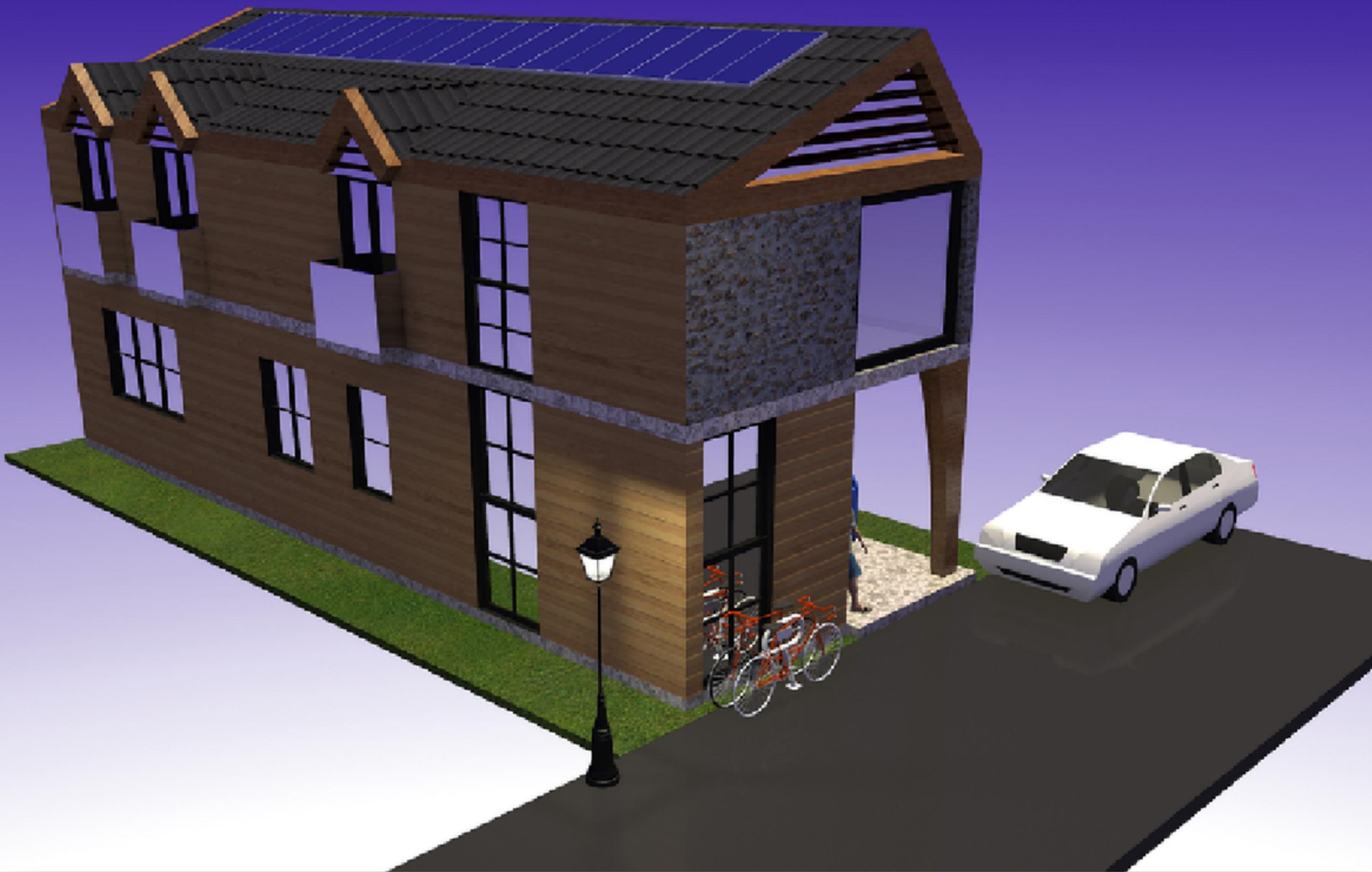
Façade North



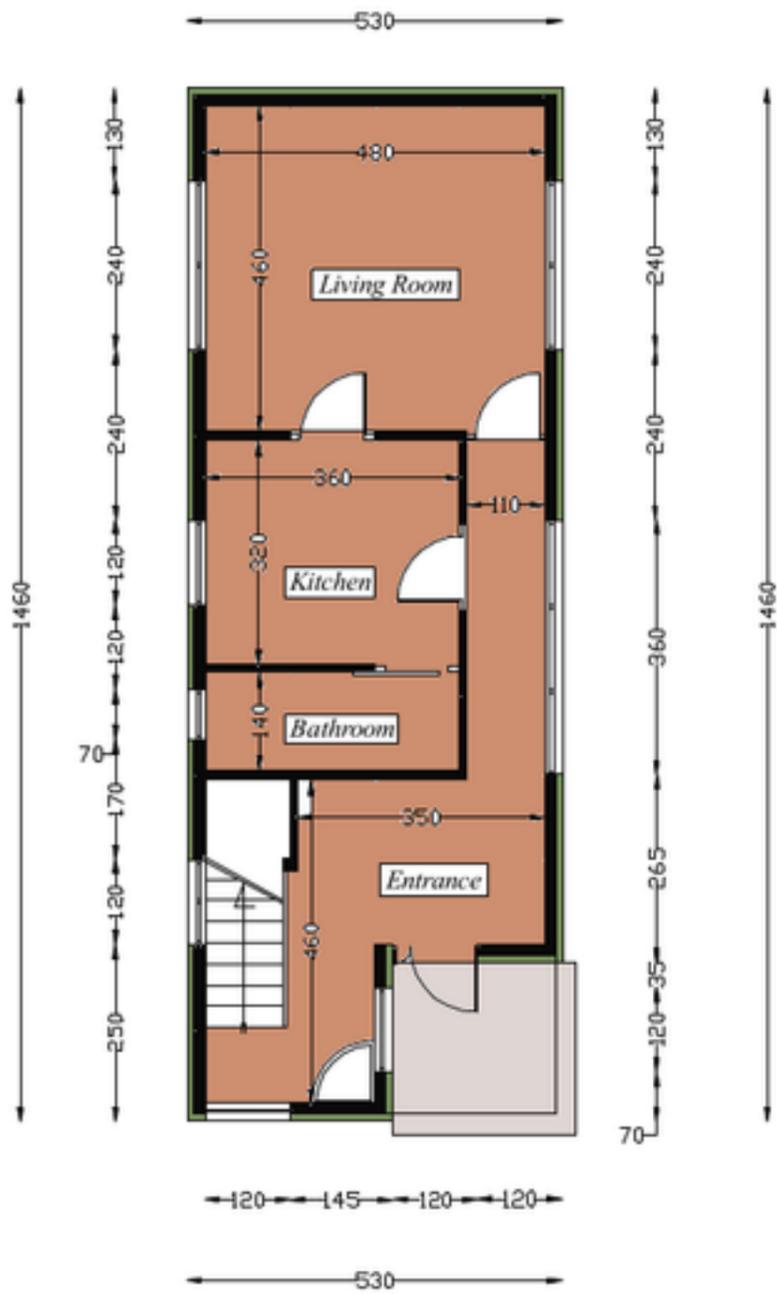
Façade South



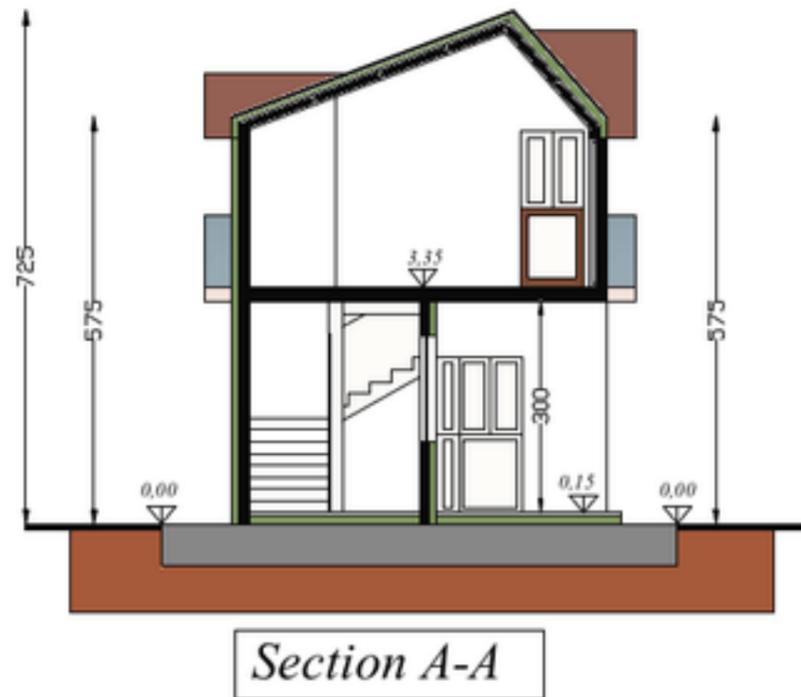
Façade East



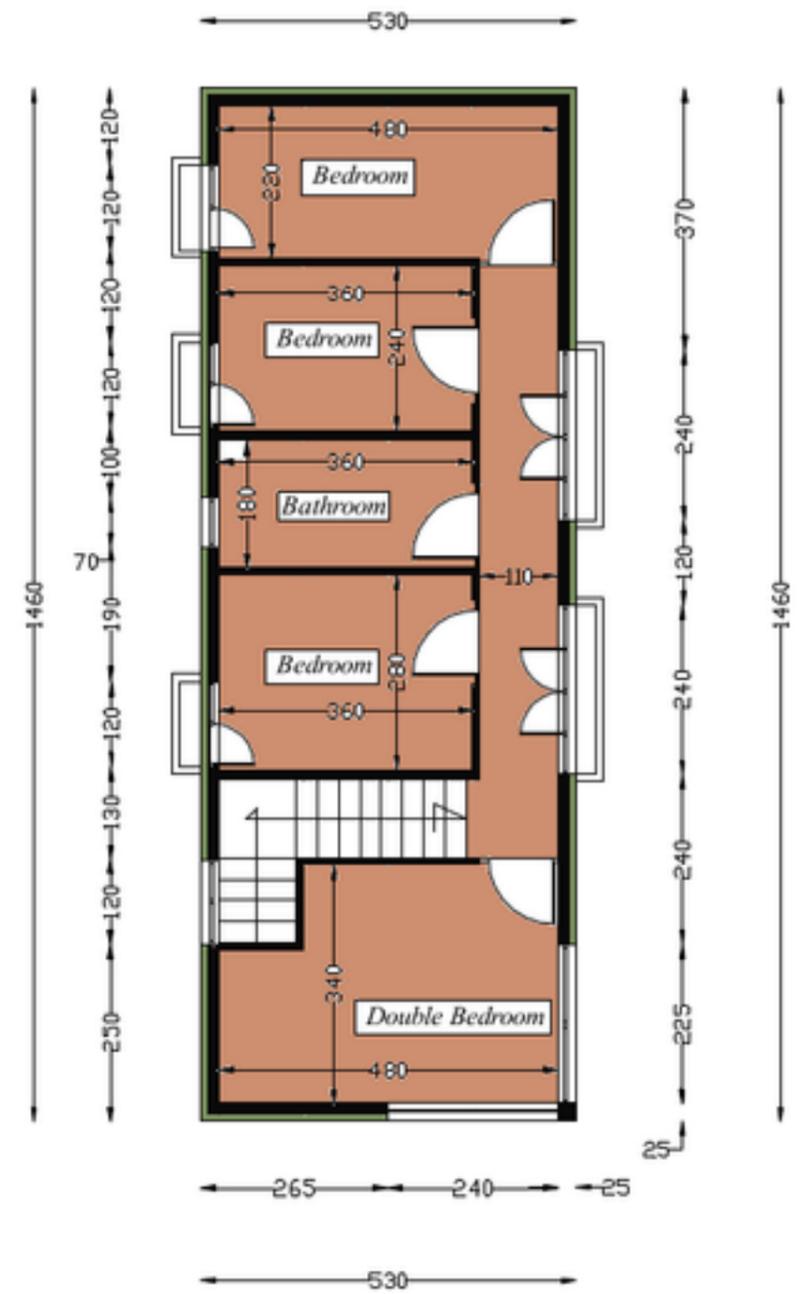




Ground Floor Plan

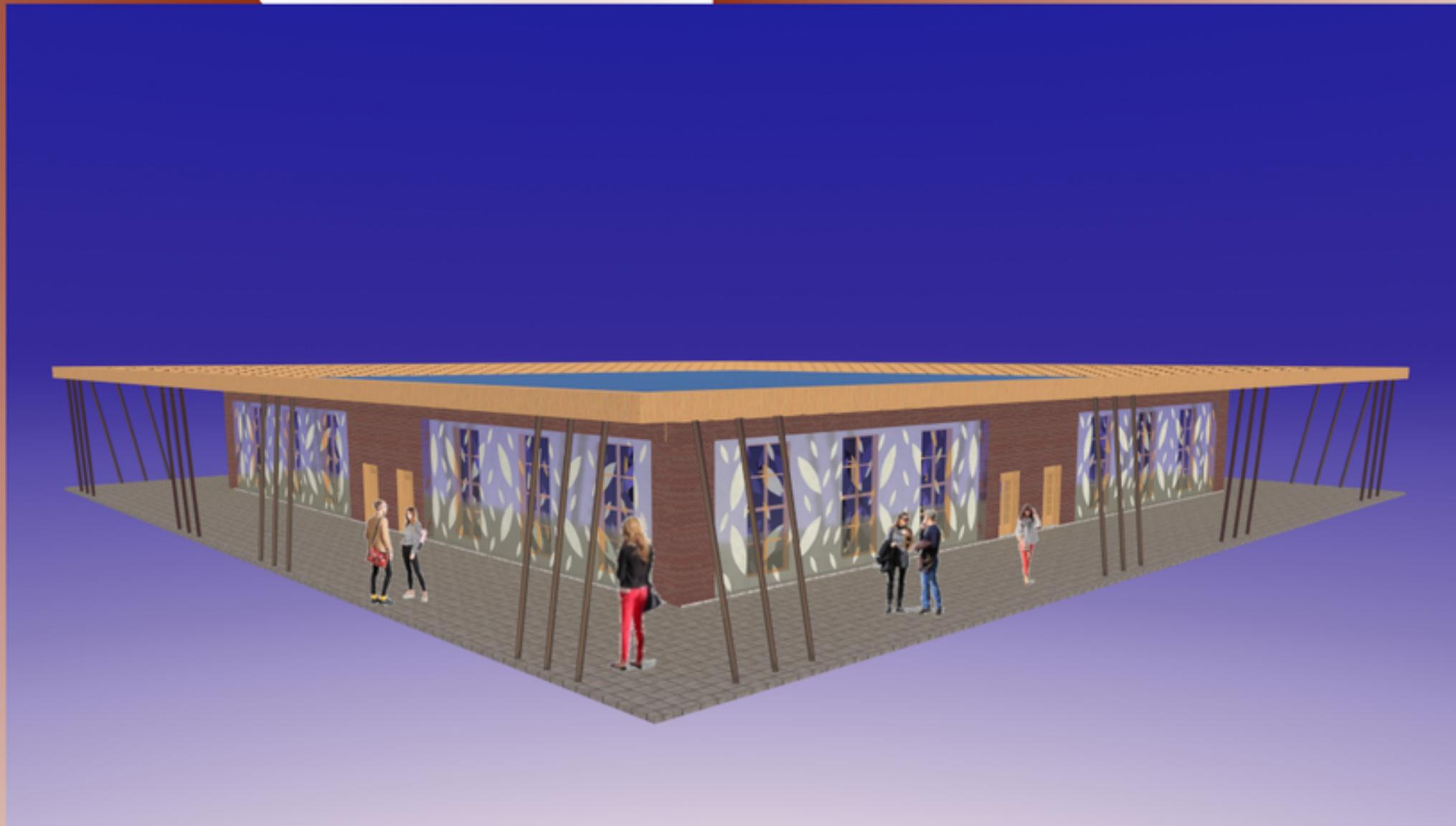


Section A-A

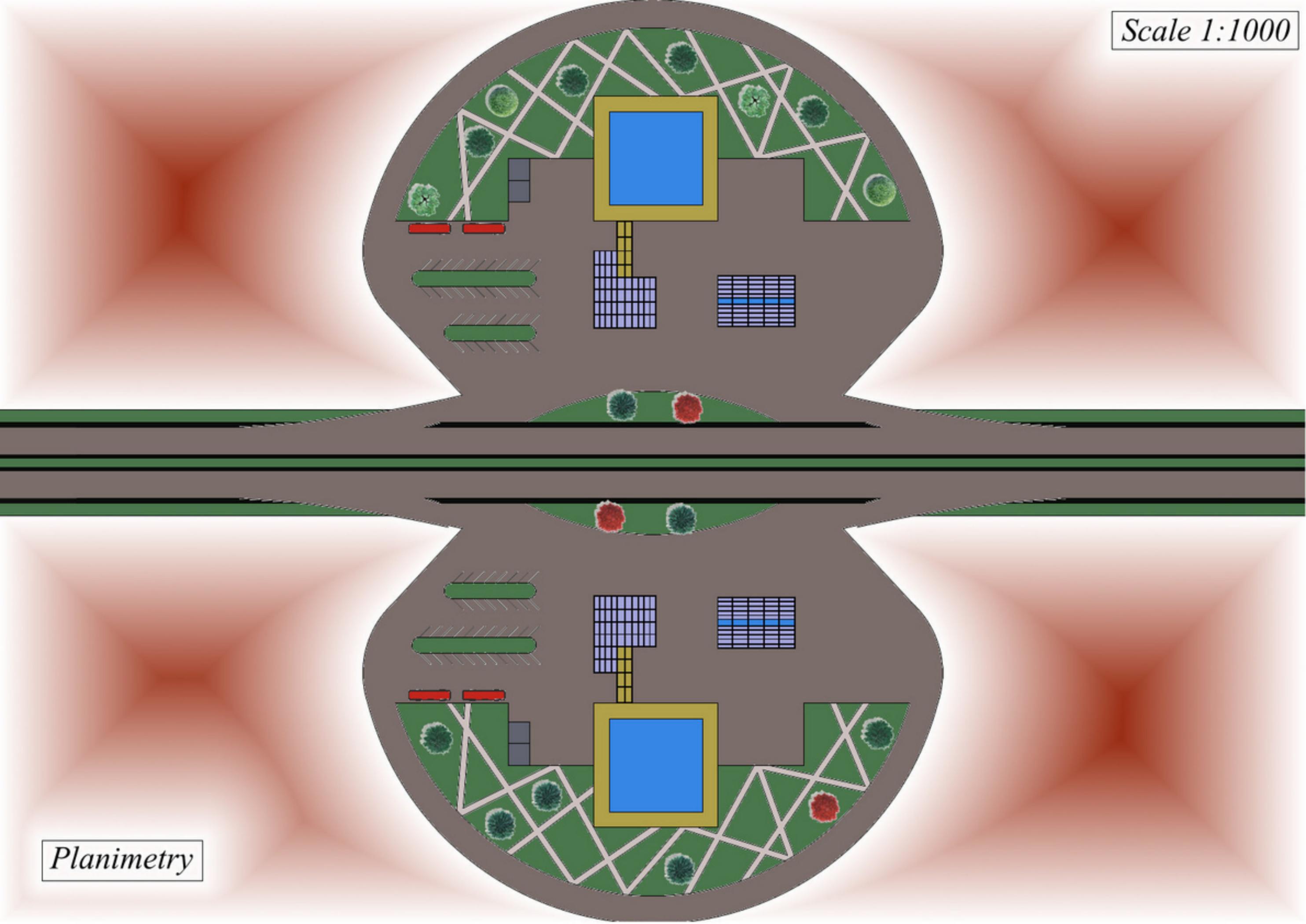


First Floor Plan

*The Electric Fuelling Station of the Future
Design Competition Electric Autonomy Canada*



Scale 1:1000

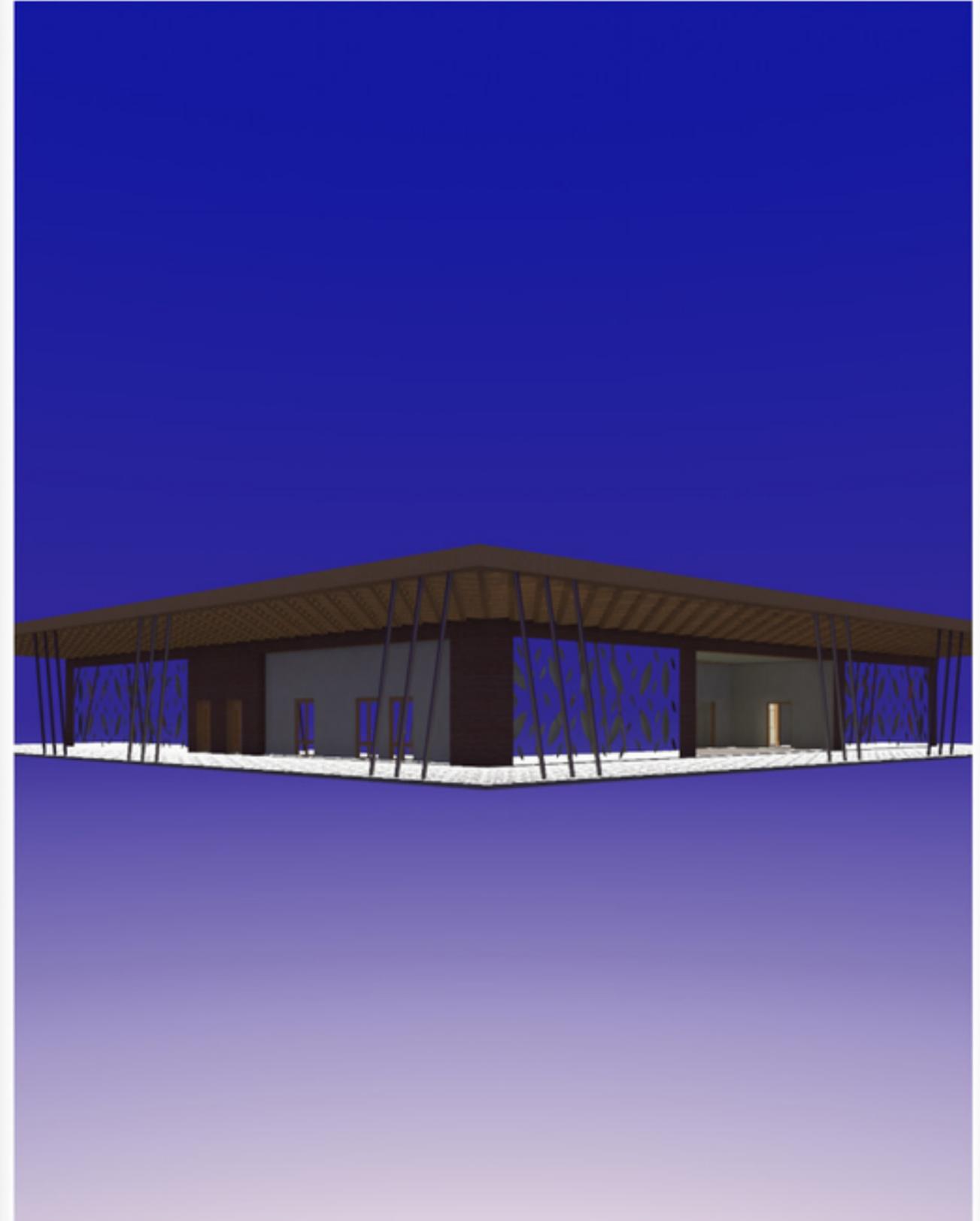


Planimetry

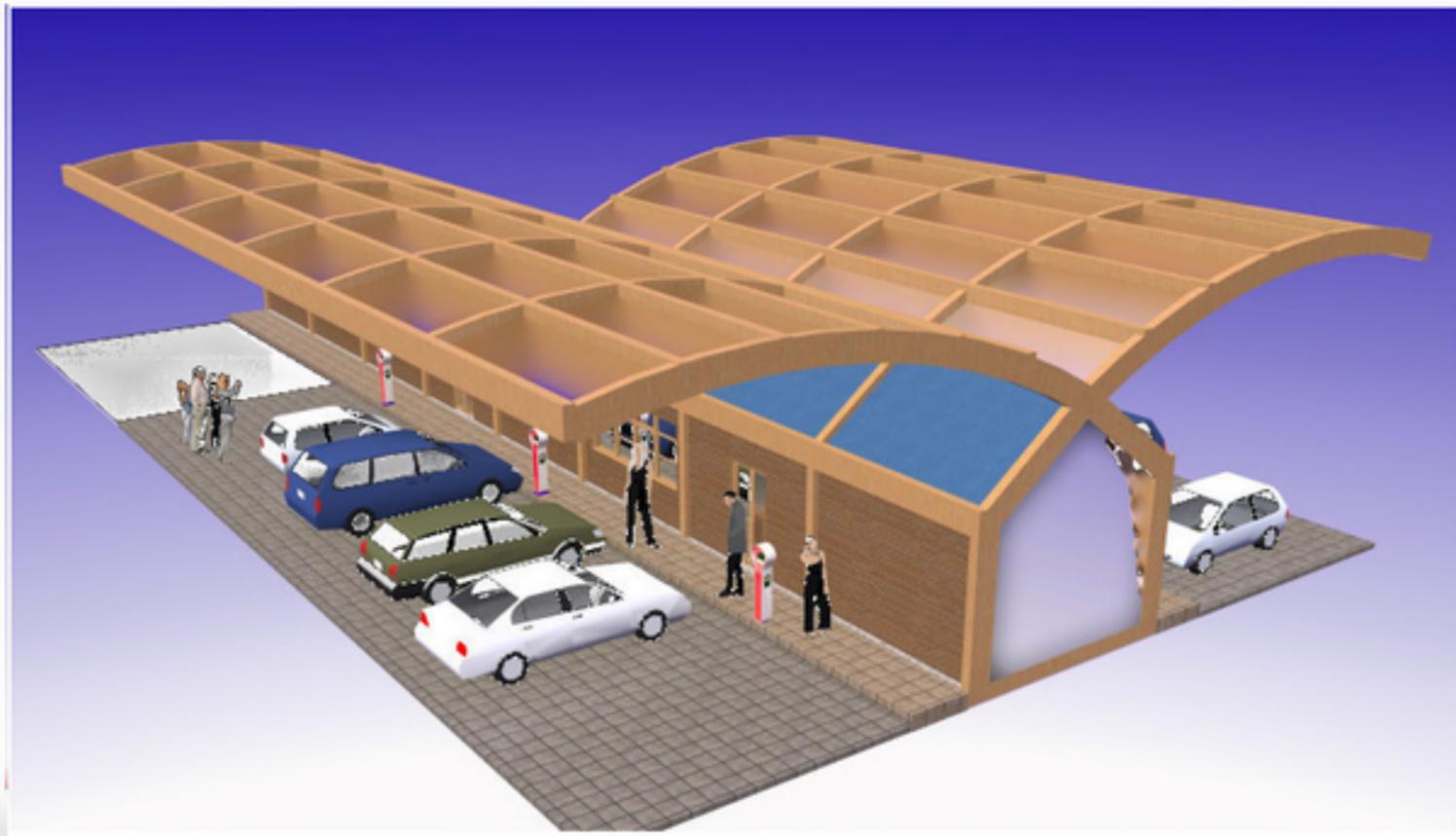
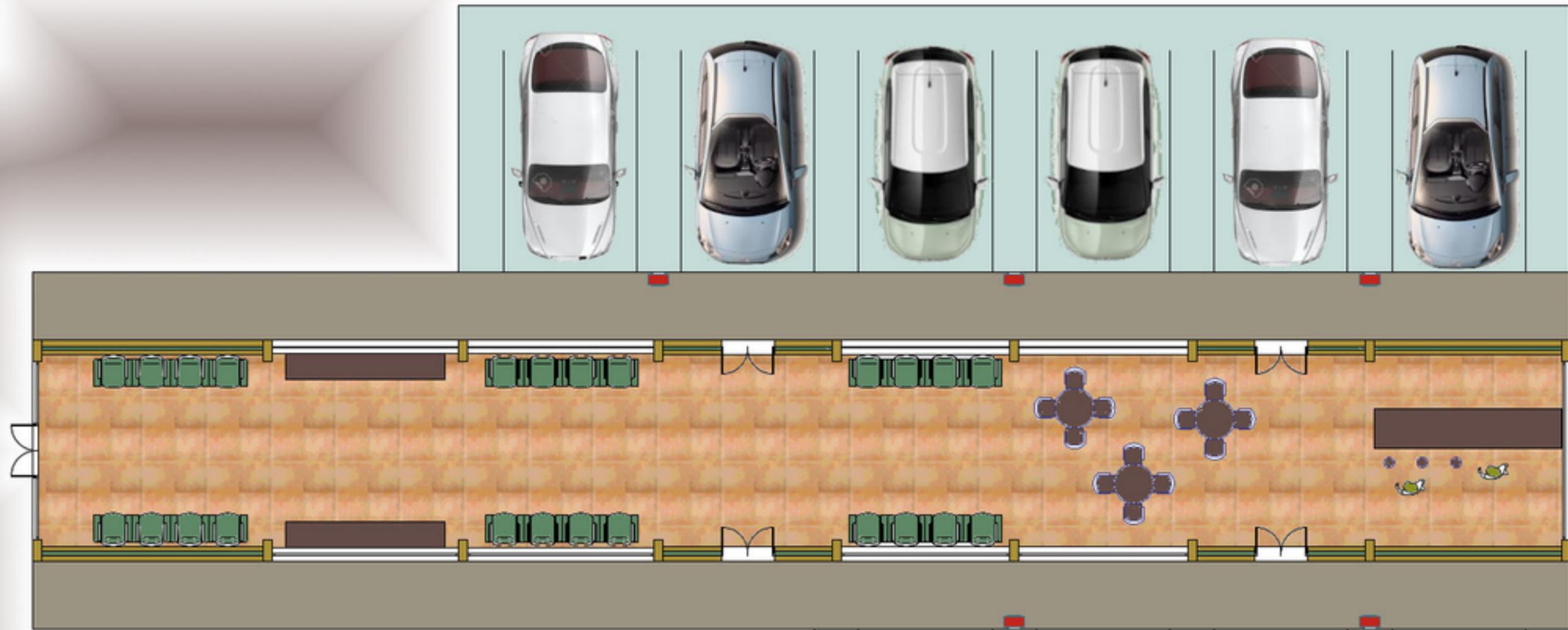


View 3D overall Concept

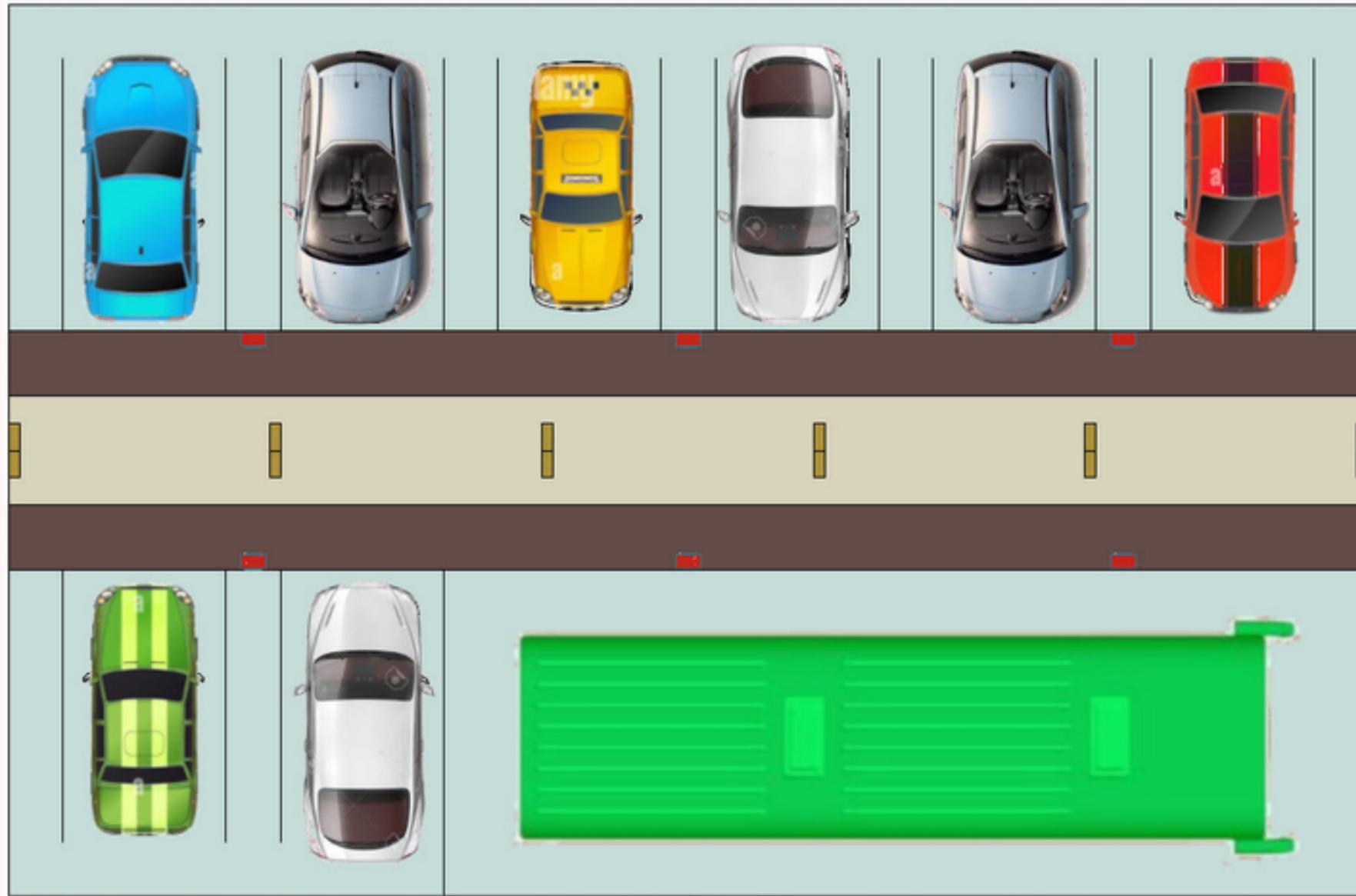
Scale 1:200



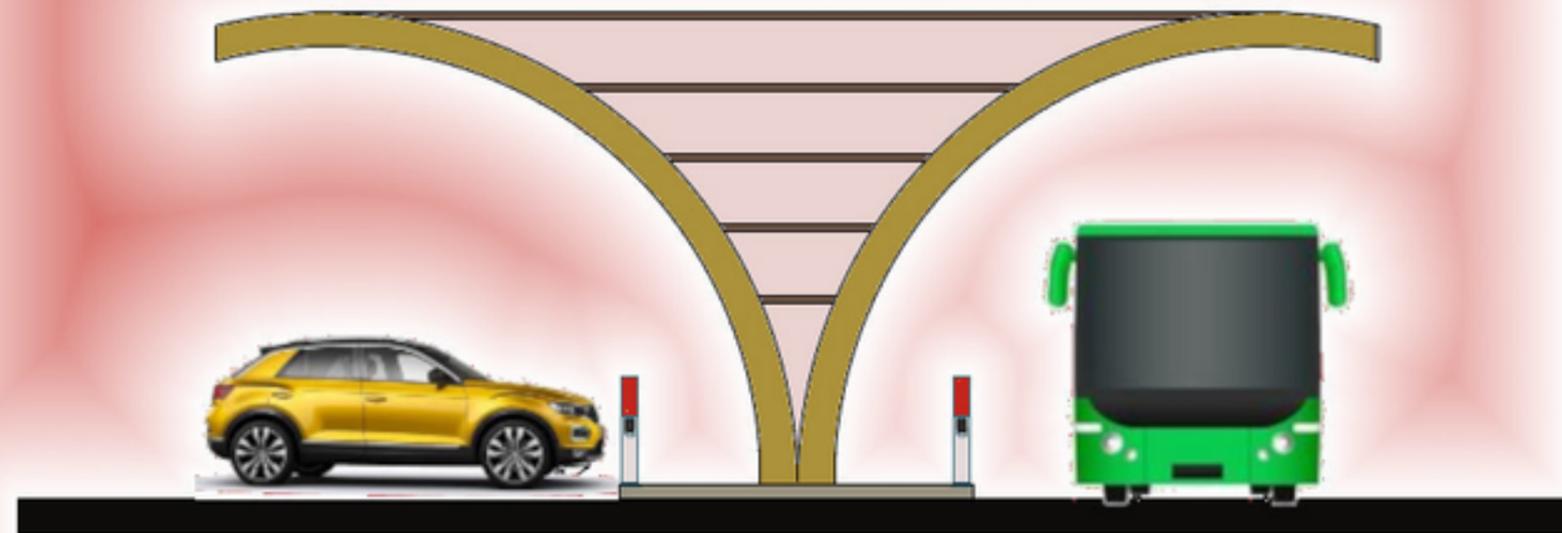
Scale 1:100



Scale 1:100



Shelter electric charging columns



Scale 1:100



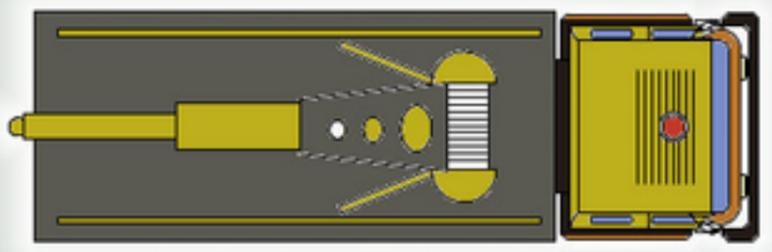
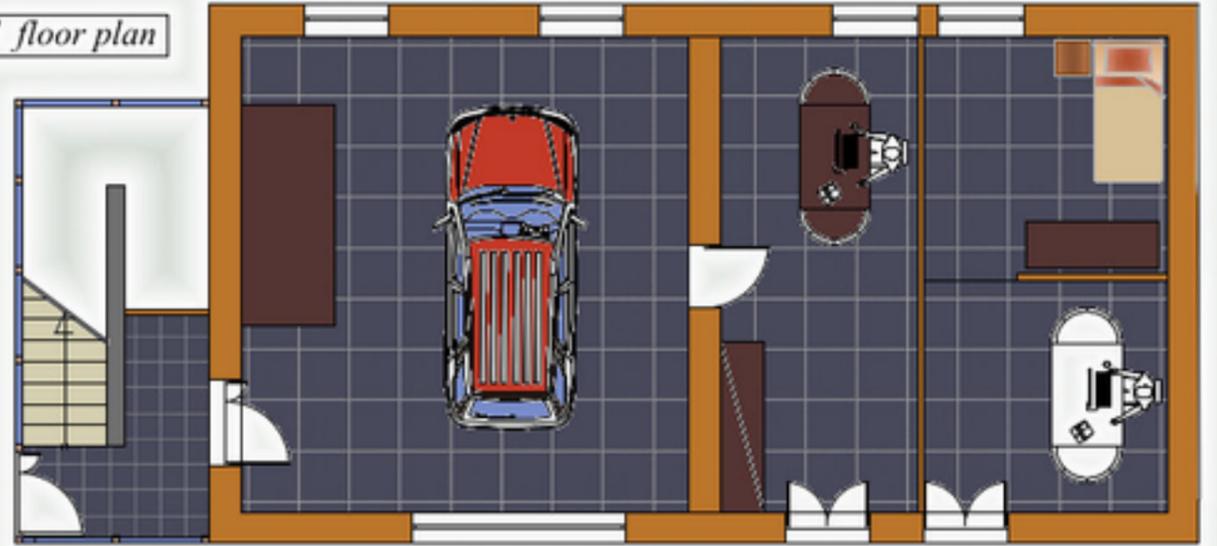
First floor plan

Highway rescue



Section A-A

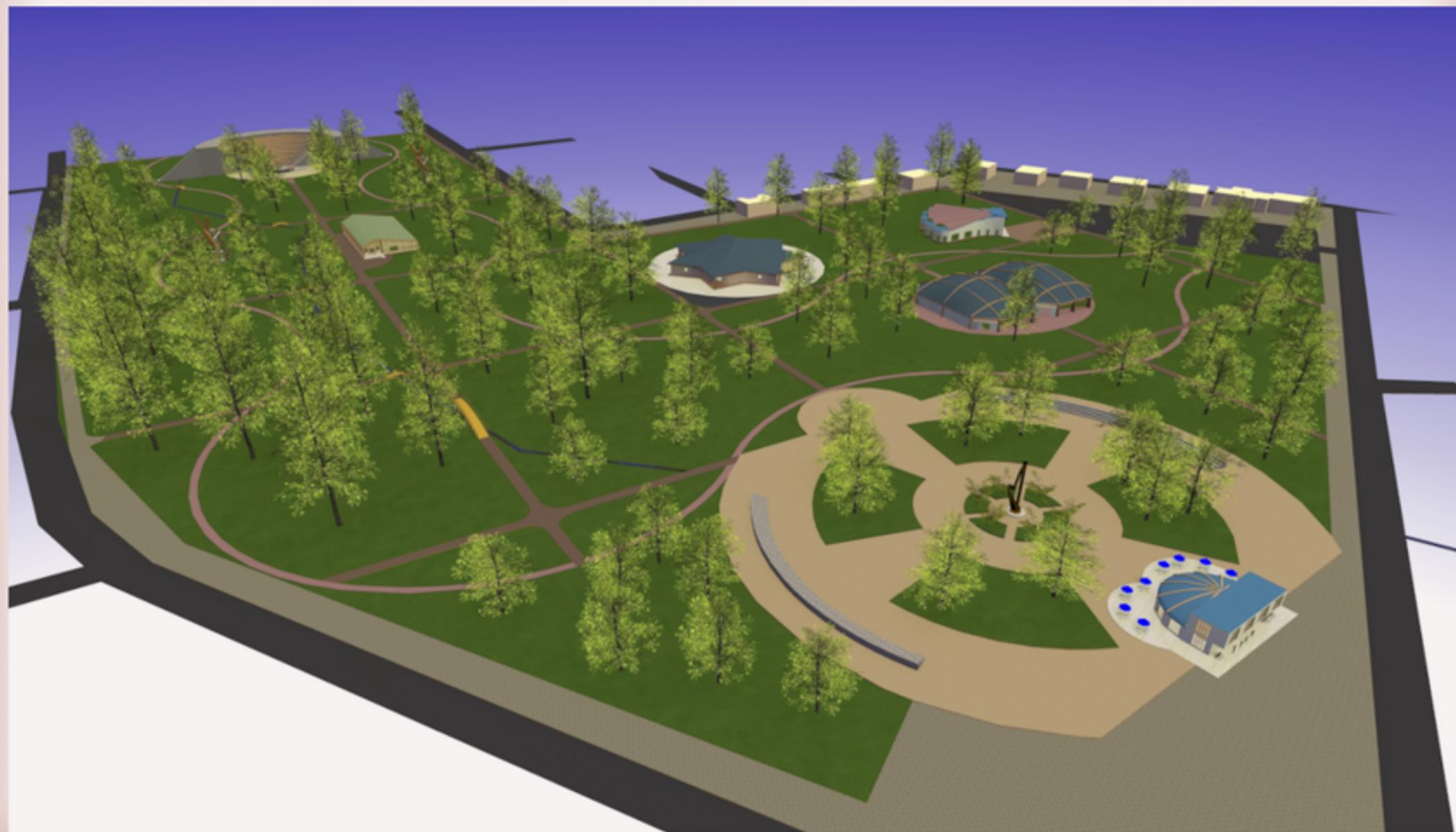
Ground floor plan



*Design Competition Tarkhanovo Green Park
city of Yoshkar-Ola Mari El Russia A3*



Тарханово Парк
парка Тарханово



Description TARKHANOVO green park.

The park inserted in an urban context of a city fulfills an essential function which is that of a green lung for the city through the trees that emit carbon dioxide at night and oxygen during the day; this is the primary function of a park which then becomes a play area for children, a space for sports activities, a meeting place for cultural and



social events as well as a place to spend their free time. The Tarkhanovo park is located in the city of Yoshkar-Ola, Mari El in Russia limited by the Rechnaya, Sportiv-

naya and Druzhba roads and aligned by the Transportnaya and Molodezhnaya roads, has a total area of 12.66 hectares and is currently occupied by dense vegetation . Cutting trees to build new infrastructures is always unpleasant because it damages the environment but if you think about what needs to be done for investments and possible sources of income, as well as wood that can be used as biomass for heating, but especially to the new destination which is that of the green area of the city, the intervention is always convenient as it improves both the urban quality and the quality of the air which is important in the current times since we all go around with a mask to avoid inhaling toxins harmful to our body . The design was carried out by setting in the area of land concerned a square grid of 100 m side in correspondence of which pedestrian paths were obtained by defining areas with their own destination; in this jersey a cycle path has been inserted that can be traveled both on foot and by bicycle in winter with skis which can be accessed directly from the street or from the entrance at the bar where a square has been created an agora, a meeting place and meeting place for people..



The park imagined as only green space is not able to produce income or is economically unproductive and most of the times it ends up abandoned becoming a degraded area for the city; in order to preserve its environmental and urban value, it must be productive for which infrastructures such as the discotheque, the auditorium, the wellness center, the tennis courts, the library, the bar restaurant have been inserted, which can be managed by private individuals who pay a monthly fee to the municipality of Yoshkar-Ola, covering the expenses necessary for the maintenance of the park also with profit margins by amortizing the costs necessary for its construc-

tion. The green park is crossed by a river with a reduced cross-section having a width of about 2 m, the layout of which has not been modified, it has simply been buried below the agora; small arched wooden bridges have been provided to restore the continuity of the pedestrian and cycle paths at the intersections with the river.



The park must be energy self-sufficient for both heating and lighting, for which windmills with wind turbines have been inserted that have the function of producing the electricity needed to cover the energy needs of the park. Car parking has been provided which may be subject to a fee, as well as bike parking near the park entrance where there is also a modest car park for access to the bar. As regards the sources of financing for its construction, a cooperative of entrepreneurs can be set up where each one builds its infrastructure

bar, discotheque, wellness center, tennis head, etc., contributing to the costs of creating the park, amortizing after 30 years construction costs by acquiring ownership of the single building and the land on which it is built: The park remains the property of the municipality of the city of Yoshkar-Ola. Alternatively, through sources of financing, the municipality itself can become an entrepreneur by entrusting the management of the infrastructures for which a rental fee is paid, thus amortizing the construction costs over the years. The lighting system is extended only to the agora and to the square mesh on which the pedestrian paths are set, it is important in summe



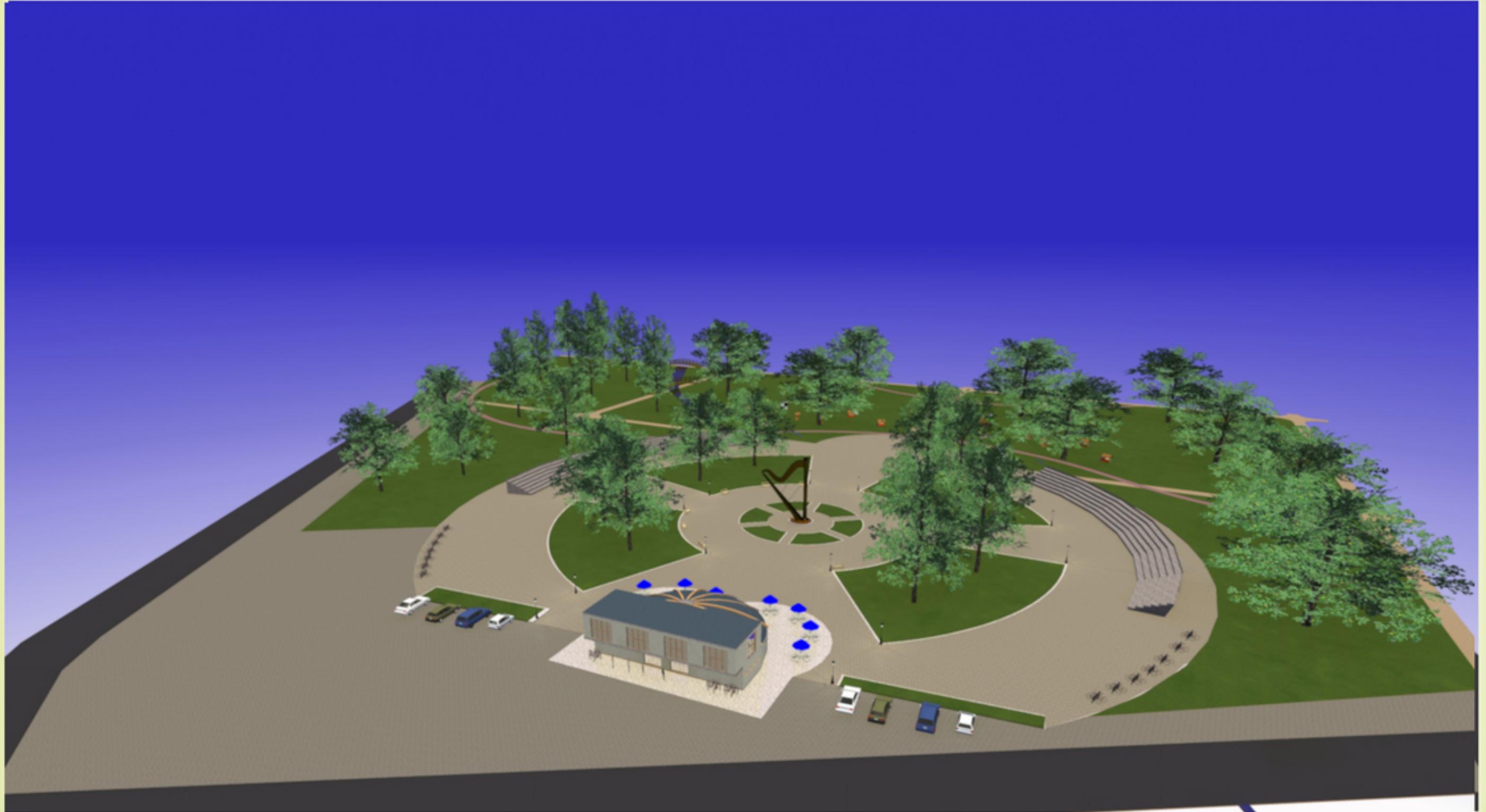
r when concerts of events are held in the

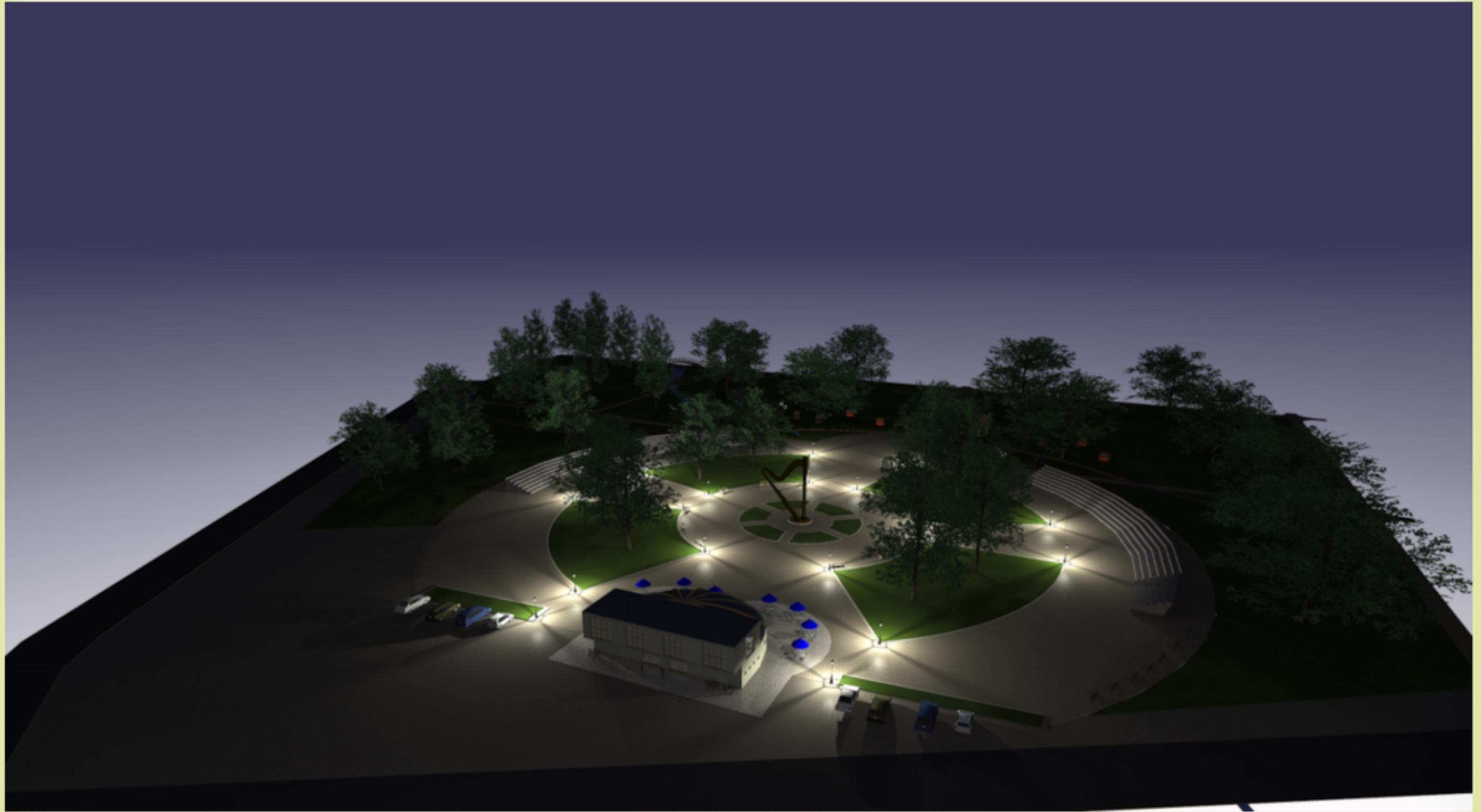
auditorium and are necessary to let people flow. to all the citizens of Yoshkar-



Ola who can use it freely, no fences have been provided, thus it becomes a meeting place for social integration and practice of a sporting activity in absolute freedom. In the park, no statues or political references to the history of russia have been inserted, a bronze musical instrument such as a harp farse has been provided in the agora. to the wellness center also to music in the sense of a meeting place for a healthy life of relaxation and musical events.









Ground Floor



Elevation



Description

In a green park it is customary to take walks sitting on the benches and read books, study and work with your laptop; we wanted to create an integrated structure in the natural context that fulfills this function which is mainly didactic, ie teenagers but also elderly people who in the summer want to lie down under a tree warmed by the sun who want to read a good book and spend their free time. The supporting structure is made entirely of wood with large windows and consists of a single mezzanine floor which integrates perfectly into the natural environment and inside it has been created a space to be used for art exhibitions.

Tennis Court

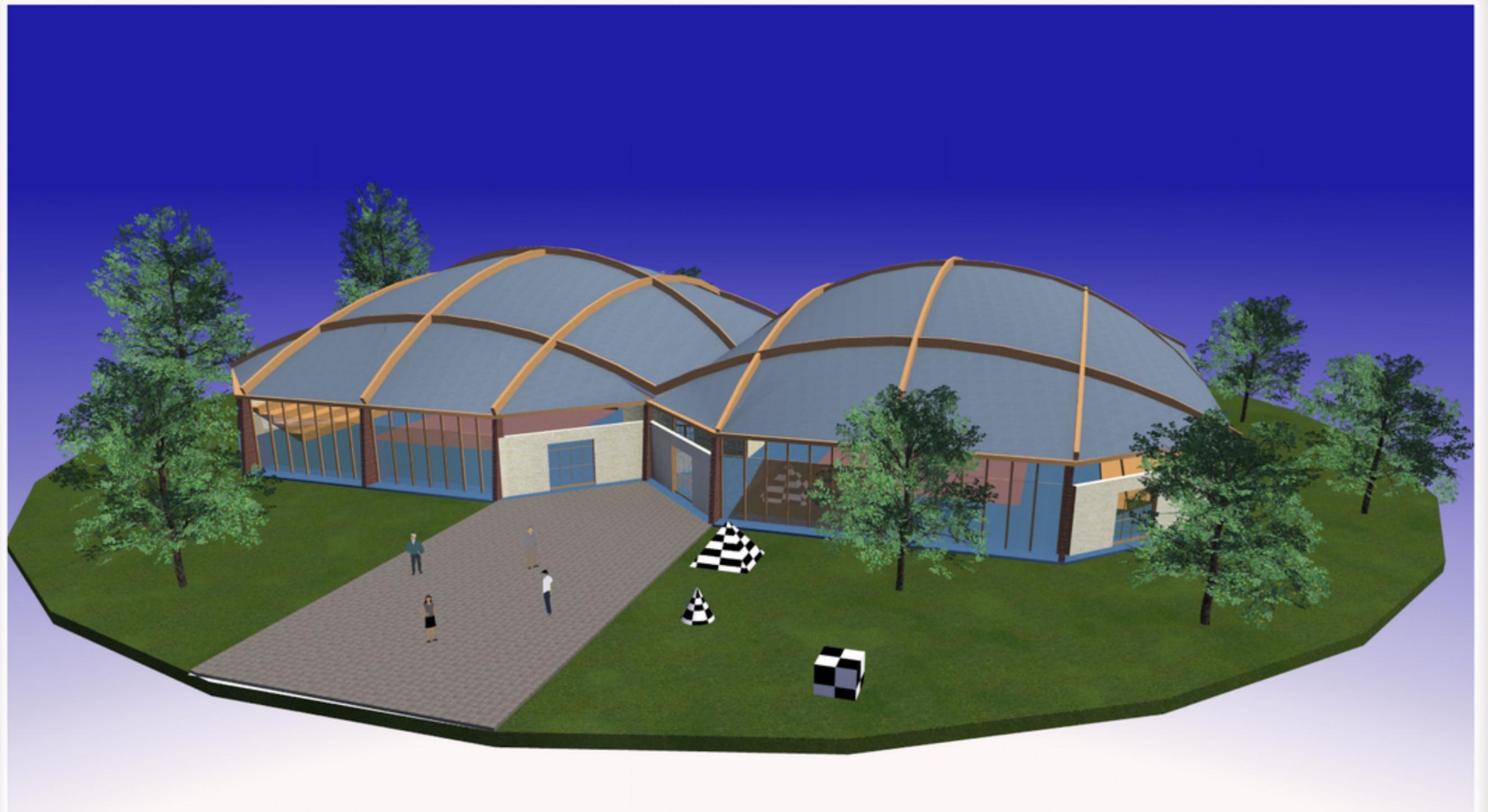
Scale 1:100 A1
Scale 1:200 A3



Description

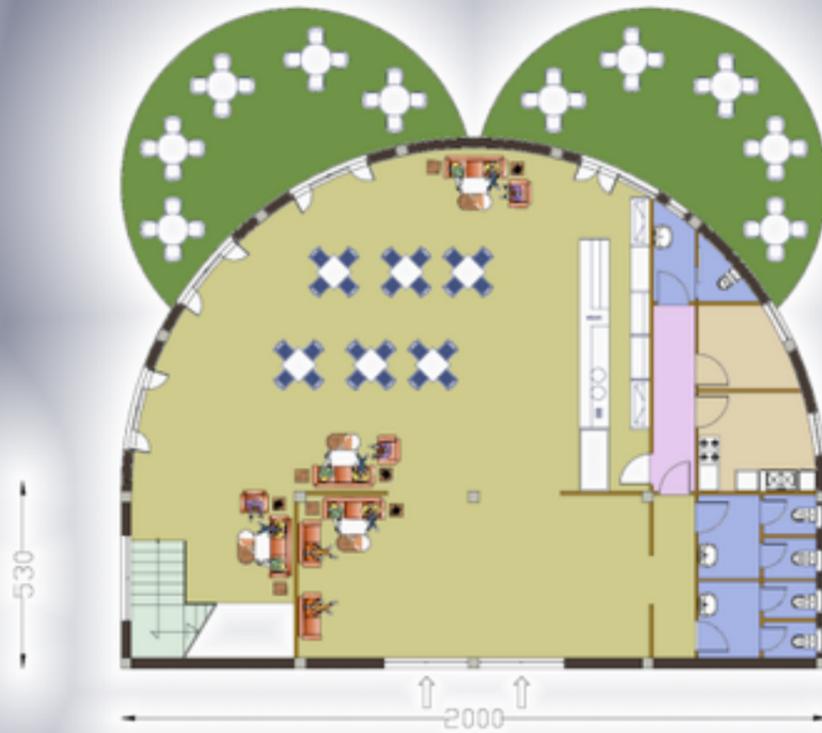
Carrying out sports activities in a park even at a competitive level that goes beyond simple cross-country running or cycling is essential for which we wanted to insert two clay or synthetic tennis courts with stands in order to involve people at sporting events. The courts are equipped with changing rooms and are covered with a laminated wood structure resting on reinforced concrete pillars and a plexiglas and aluminum fence resistant to the impact of a tennis ball. The structure can also be home to a possible tennis school with instructors to learn adolescent boys to practice sport so it is able to produce an income that contributes to the park's economic budget. With the sports facilities we did not want to exaggerate by remembering what 'is the function of a park or green area for the city.

Tennis Court



Description

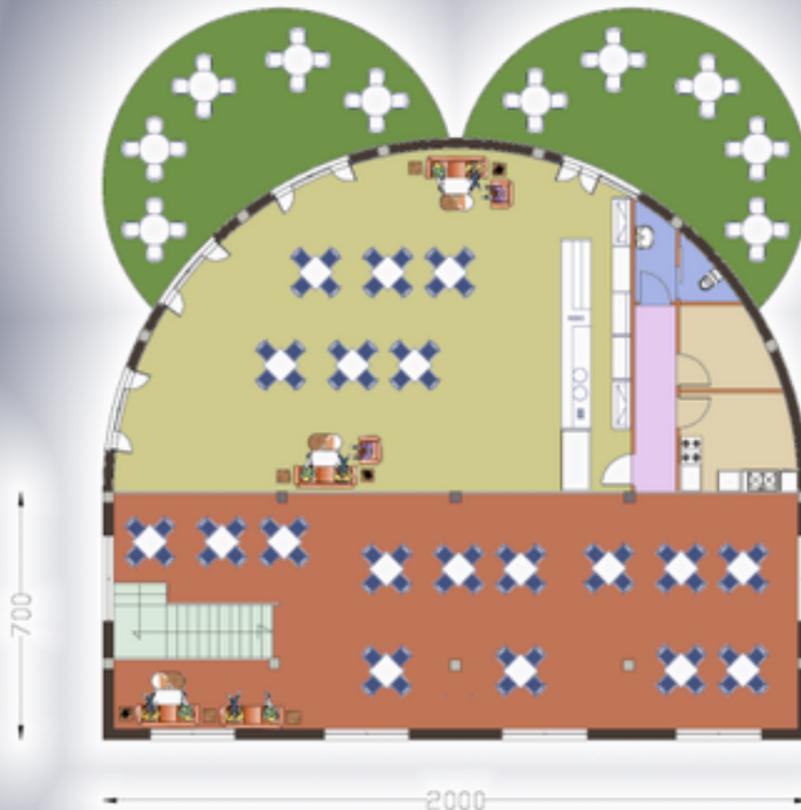
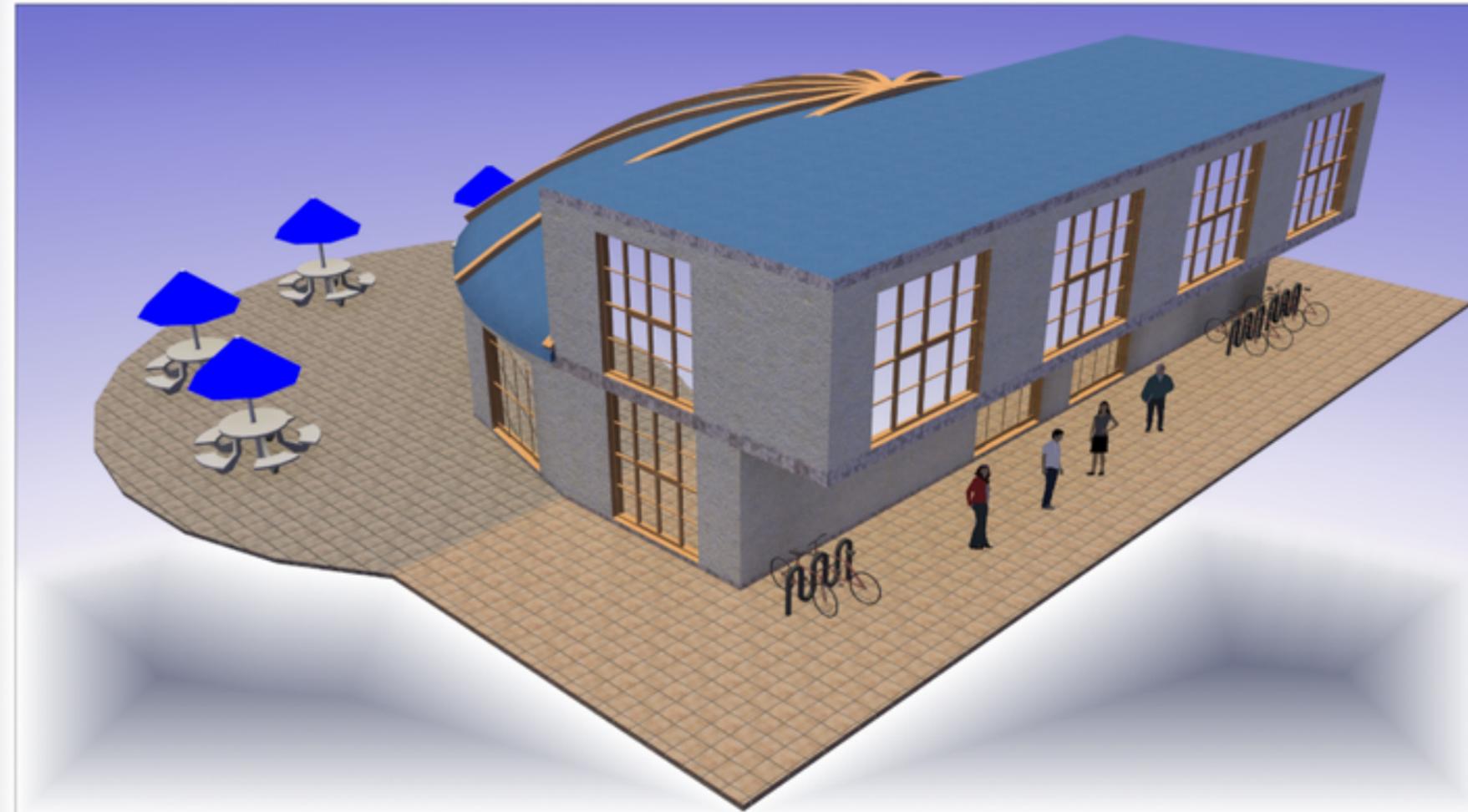
The bar is at the entrance to the park, built with a mixed structure of laminated wood and concrete, it is divided into two floors with outdoor spaces used in summer where it is possible to taste ice creams, have an aperitif, a simple coffee or drink a refreshing drink; inside it is created a The kitchen can therefore also act as a pub restaurant. It is a structure capable of producing a lot of income given in management by paying a monthly fee, it contributes significantly to the economic budget of the park also because it is functional all year round even in winter. Outside there is a car park that can serve as a drive in.



Ground Floor



Elevation



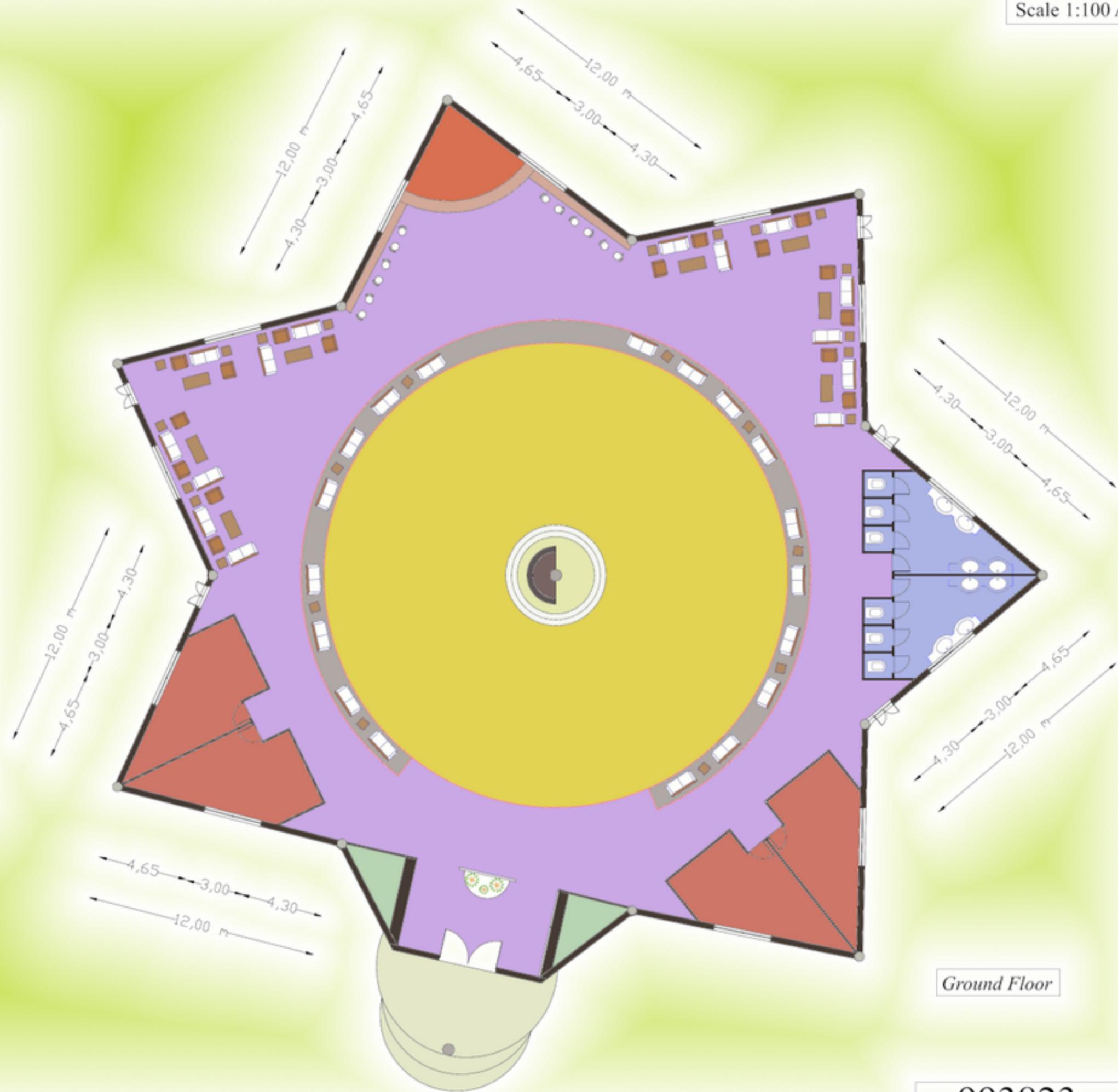
First Floor

Dance-club

Scale 1:200 A3
Scale 1:100 A1

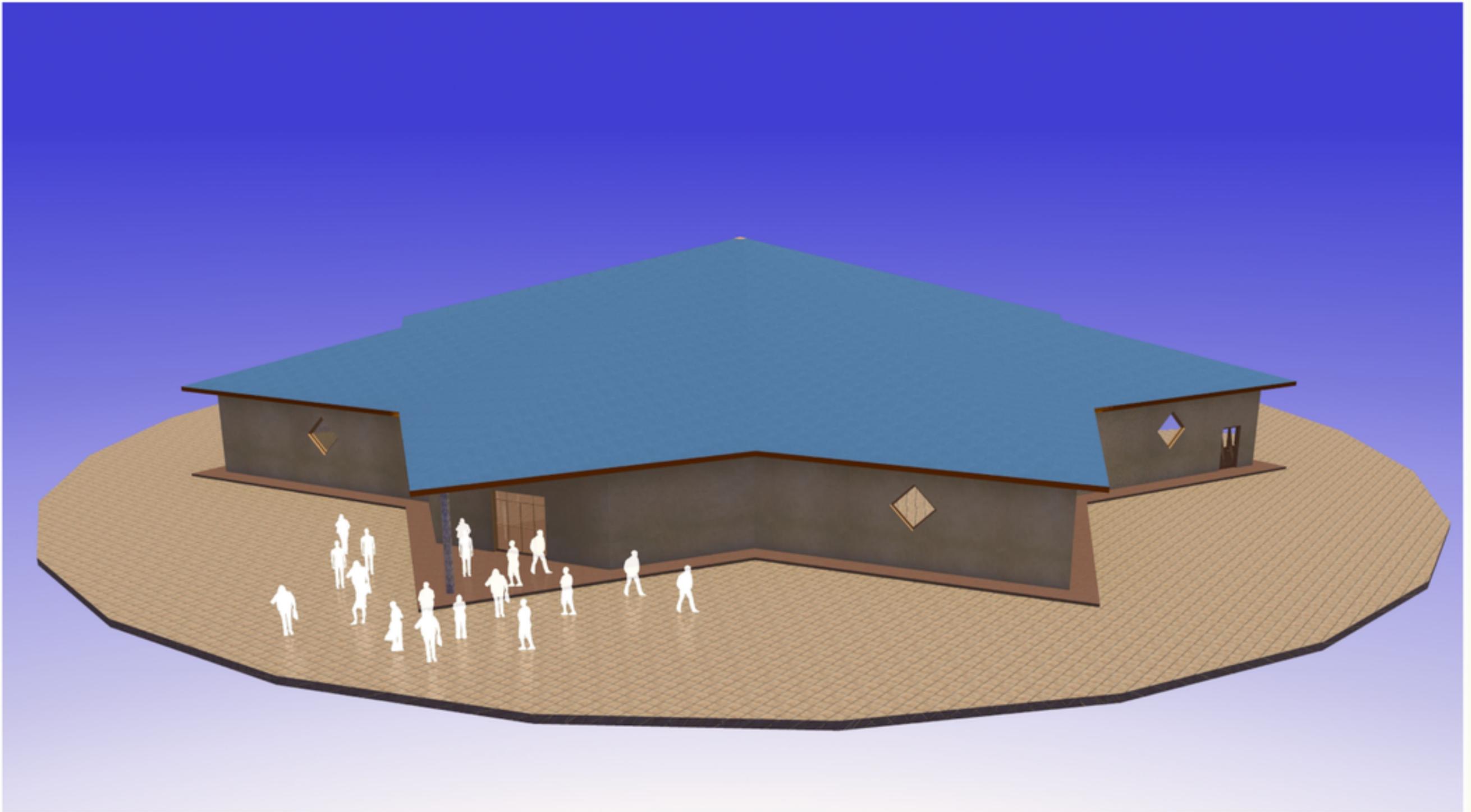
Description

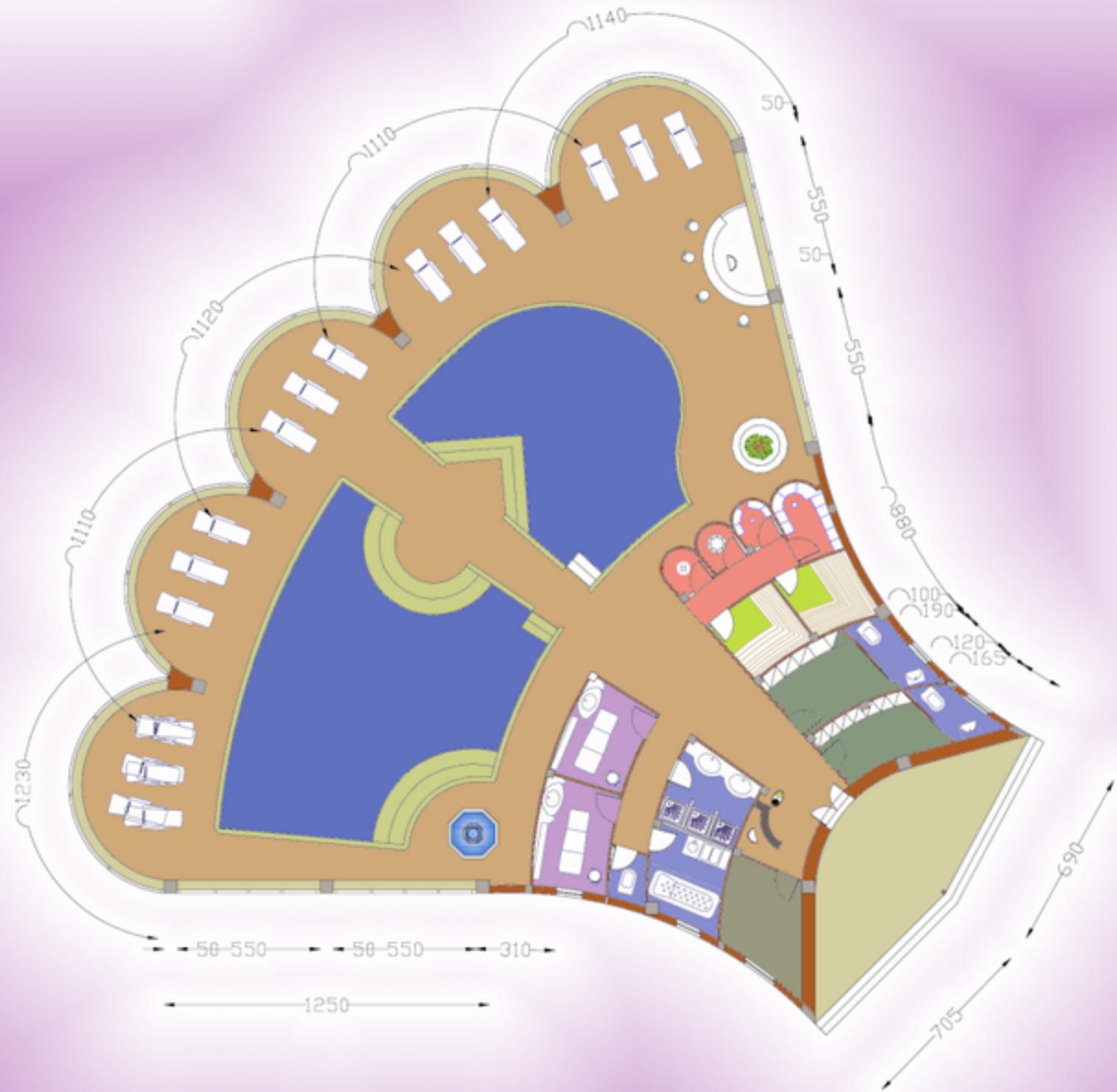
The disco dance is a space open all year round in the week end that integrates perfectly into the natural park consisting of a dance floor, a dj environment, wardrobe, toilet, ticket office, local bar, storage and administration, as well as relaxation areas with sofas. Characteristic is the shape of the nightclub a seven-pointed star made with reinforced concrete structure and laminated wood roof. This is also a structure capable of producing functional income at all times of the year, even in winter.



Ground Floor

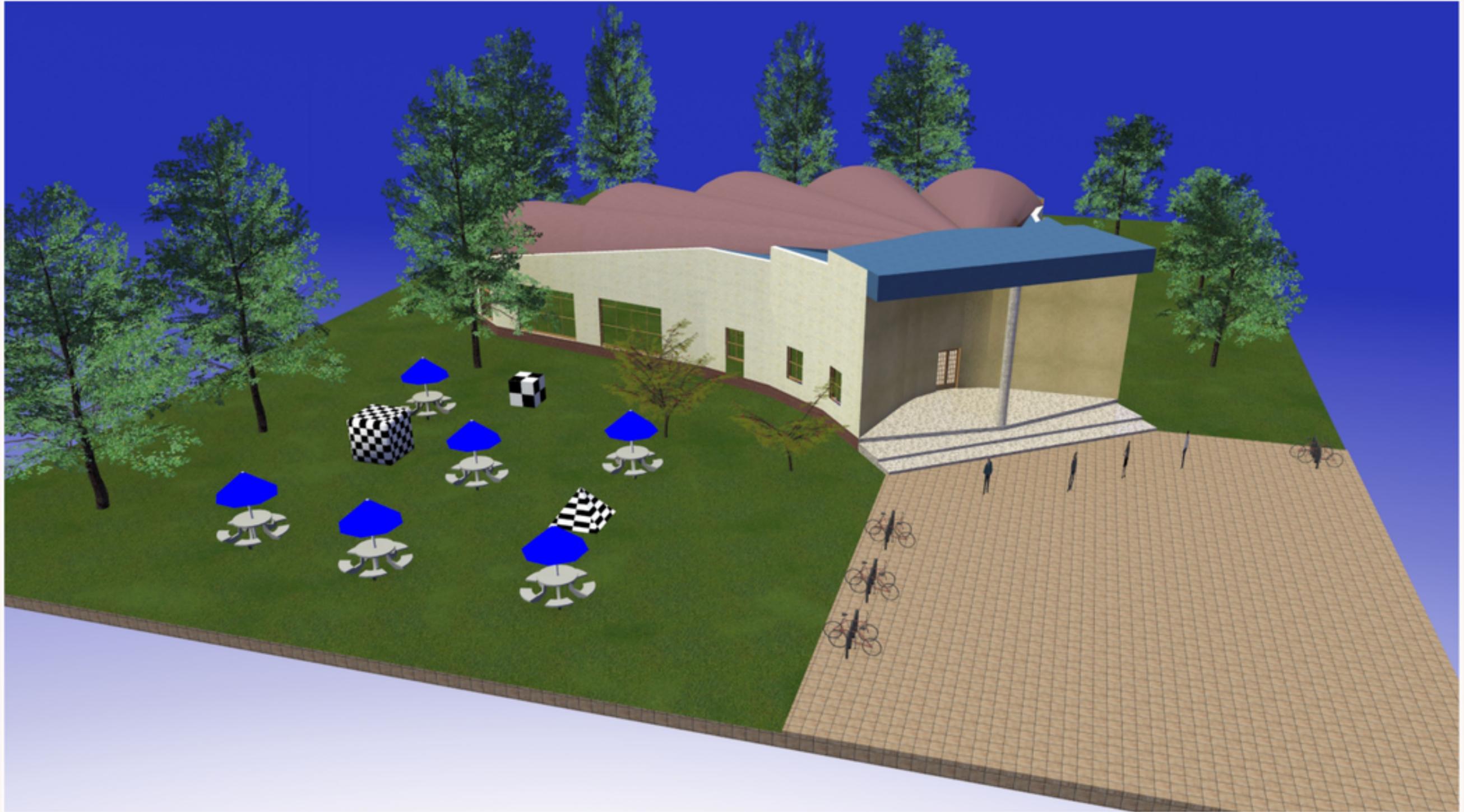
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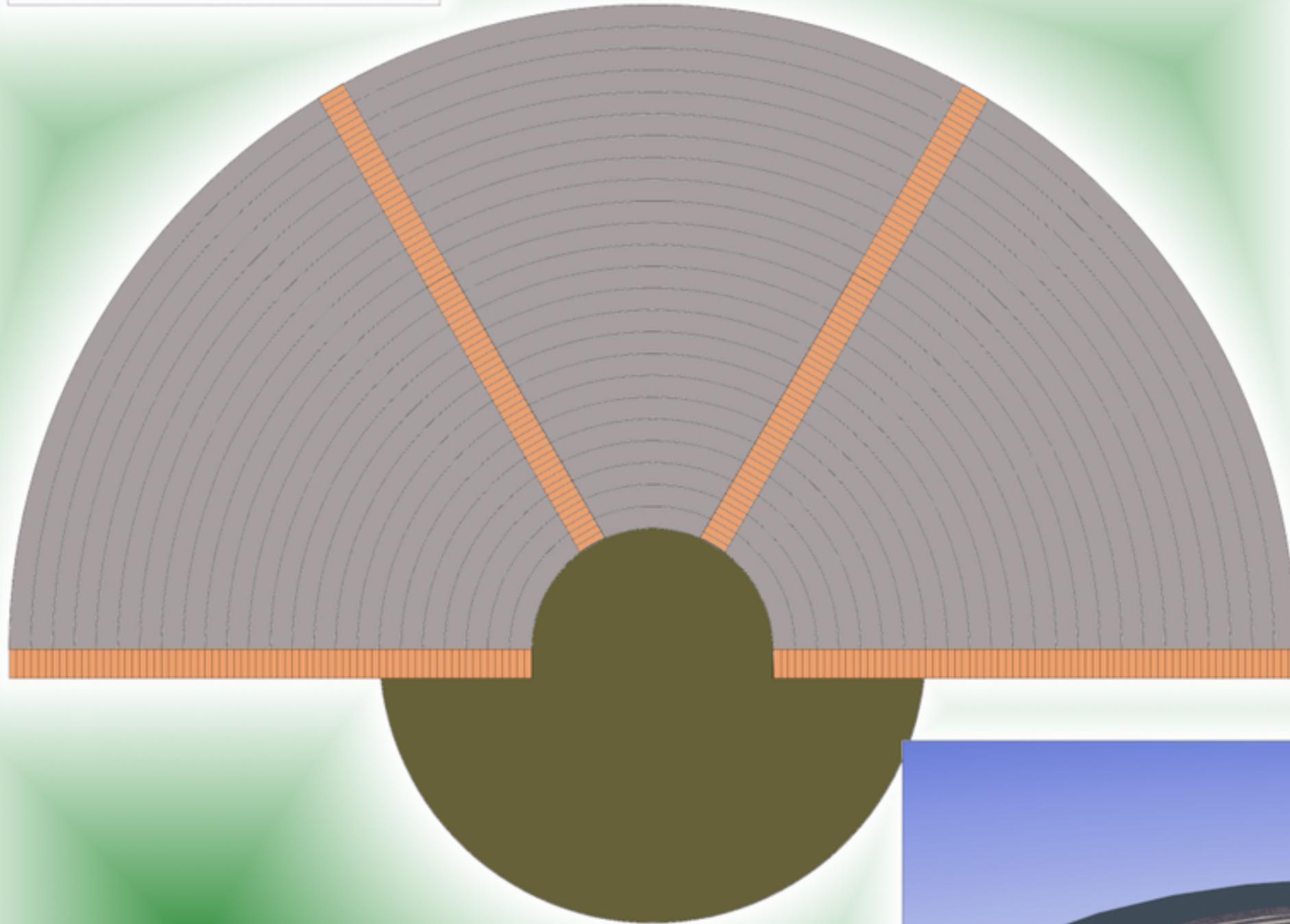
Ground Floor

Description
The wellness center consists of two swimming pools, rooms for the sauna for massages, changing rooms, reception, vital bar, toilets, Turkish bath. The structure is in reinforced concrete while the roof is in laminated wood with oblique vault-shaped tiles that recall the shape of a shell. It is adjacent to the parking lot so that it can be accessed directly and can be used in all periods of the year especially in winter.



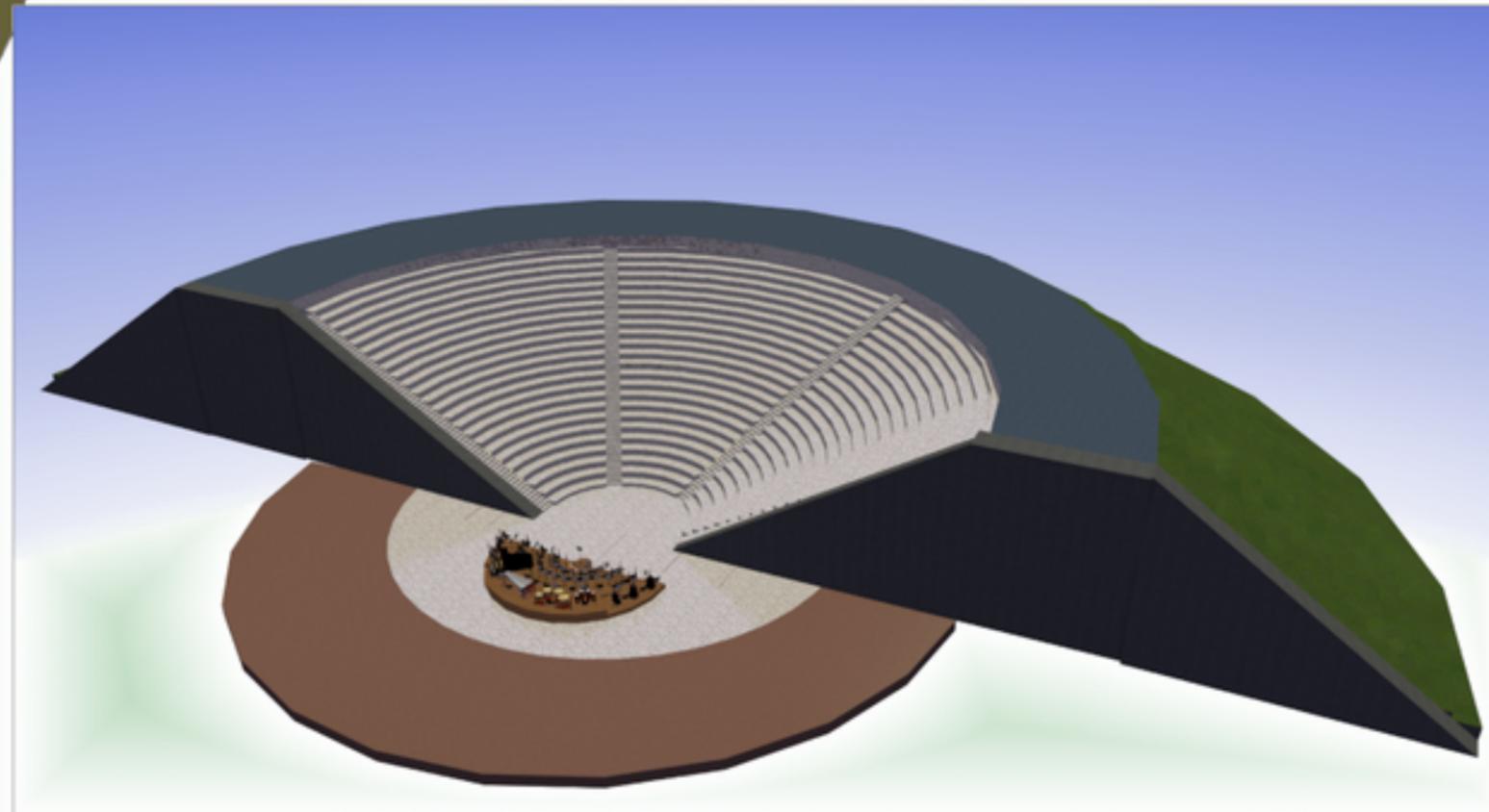
Concert-Auditorium

Scale 1:100 A1
Scale 1:200 A3



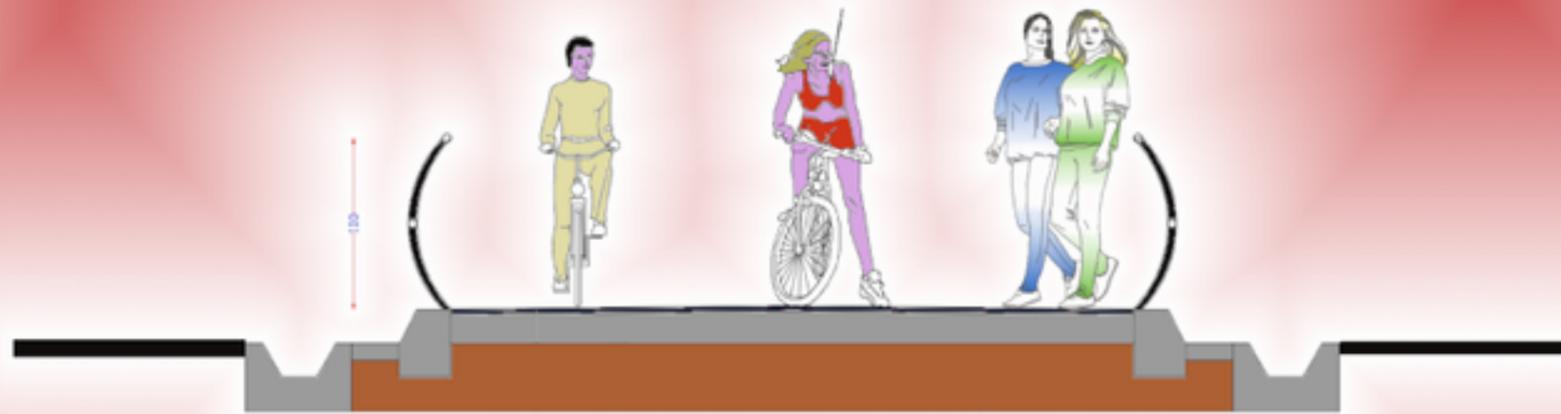
Description

During the summer, outdoor singing or theatrical events are always held, so we wanted to design a space in which these events can be held and the public has seats; the shape of the auditorium recalls the ancient Greek amphitheater, built with a prefabricated reinforced concrete structure with 25 steps with a rise of 48 cm and a tread of 90 cm, consequently the height is considerable about 12 m. To integrate it into the natural environment of the park, the ground was compacted in the rear so as to create a stepped slope planted with grass, camouflaging the structure in nature. The capacity of the auditorium is about 1500 seats which can increase if we consider the standing places; this is a structure capable of generating income from the sale of tickets to attend concerts. The cladding of the steps is made with eco-friendly synthetic materials which can be stone or fake marble.



993823

Cyclabe lane



Description

The cycle path inside the park represents an opportunity to carry out sports activities in the summer with a track having a width of about 2 meters, allowing two bicycles to travel without difficulty in both directions. It can also be used as a pedestrian path or for cross-country running.

Saikay Tiny House Design Contest 2024

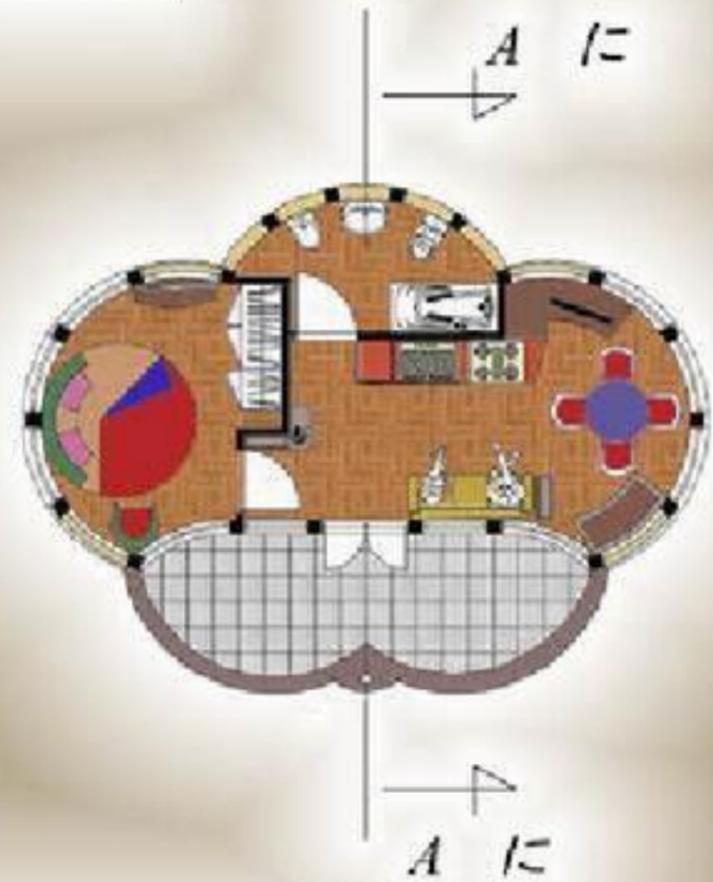
西海タイニーハウスデザインコンテスト 2024



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Scale 1:100

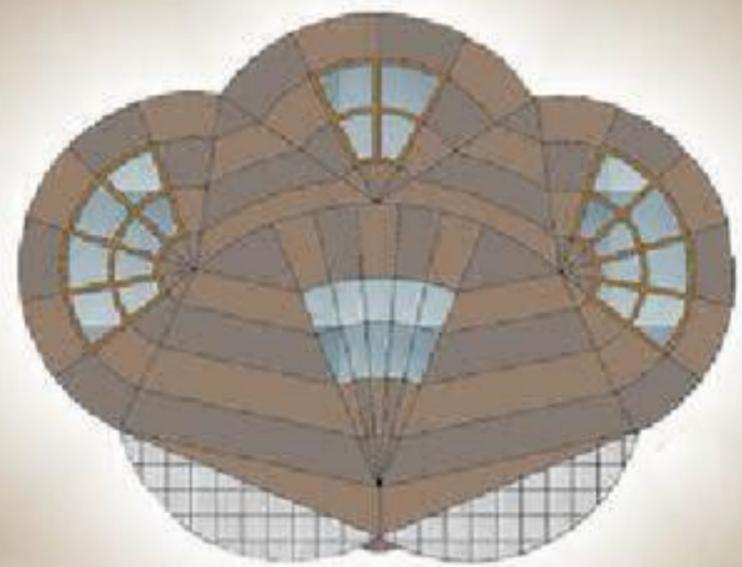
スケール 1 : 1 0 0



Ground floor plan
階平面図



Planimetry
フロアプラン



Cover floor plan
フロアプランをカバー



Scale 1:1000

スケール 1 : 1 0 0 0

240685



240685

Scale 1:100

スケール 1 : 1 0 0



North Façade
北側ファサード

South Façade
南ファサード

Section A-A
セクション に - に

East Façade
東ファサード

West Façade
西ファサード

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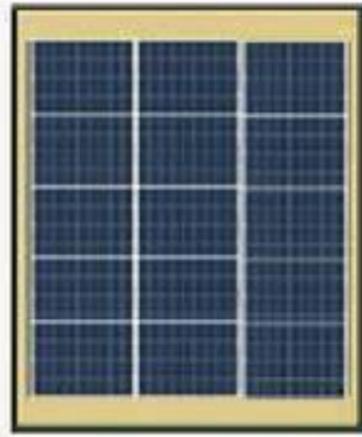


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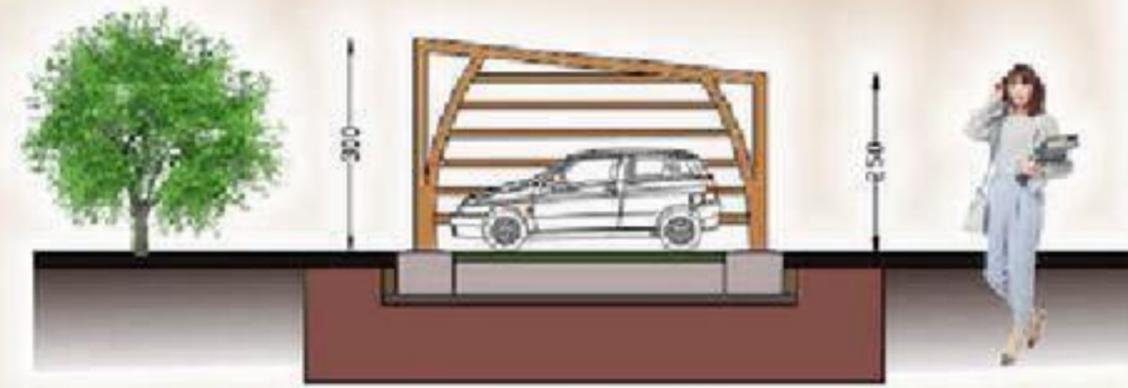


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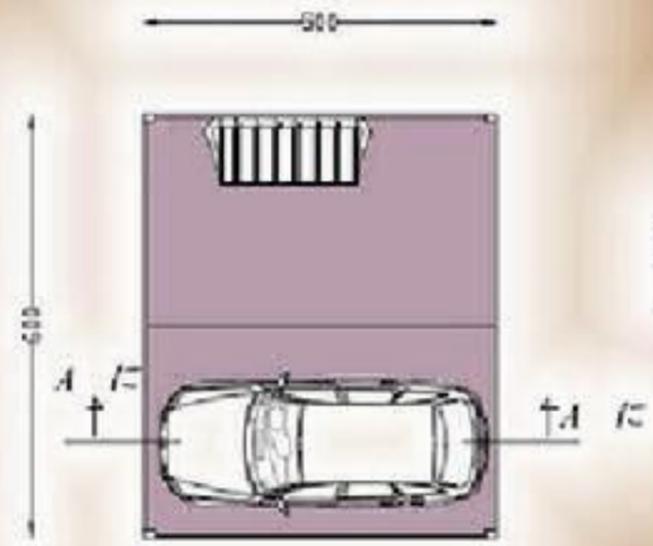
Photovoltaic Shelter



Roof Plan
屋根植付



Section A-A
セクション A-A



Ground floor plan
階平面図



Side View
側面図



Front View
正面図

Scale 1:100
スケール 1 : 1 0 0

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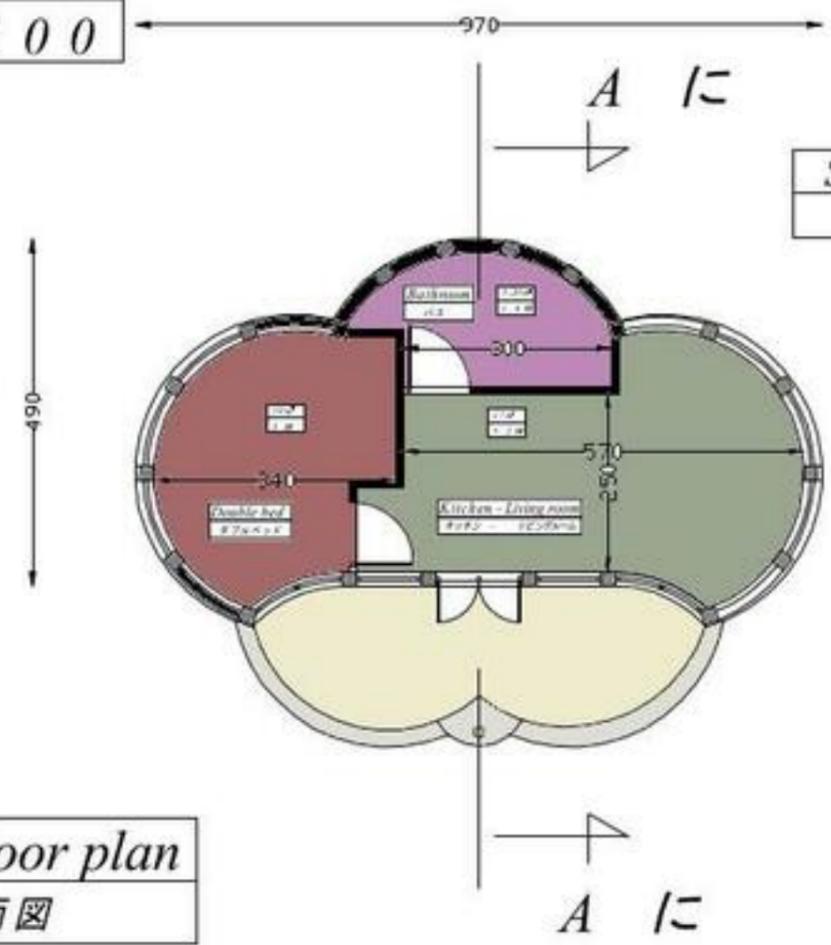
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Scale 1:100

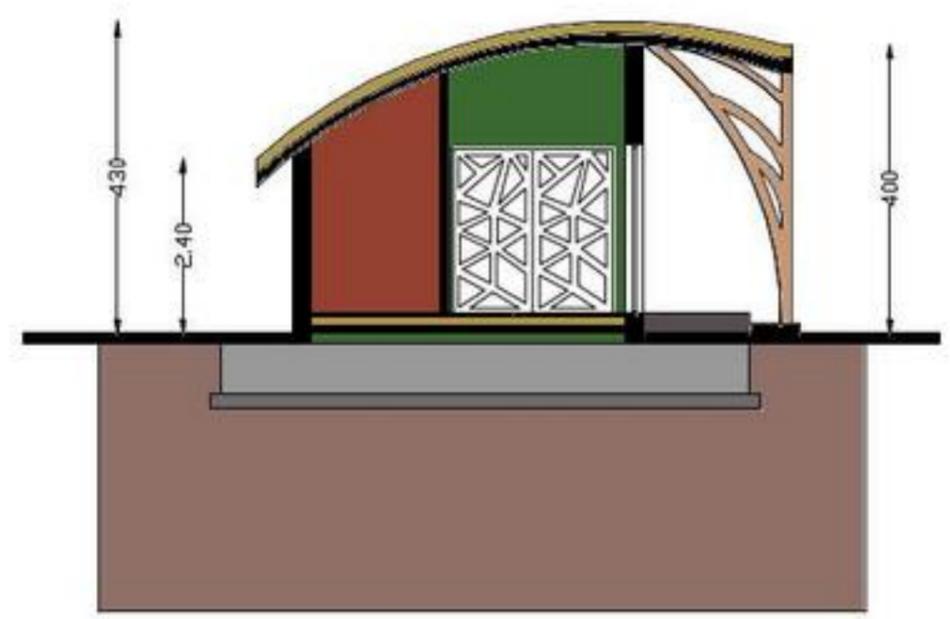
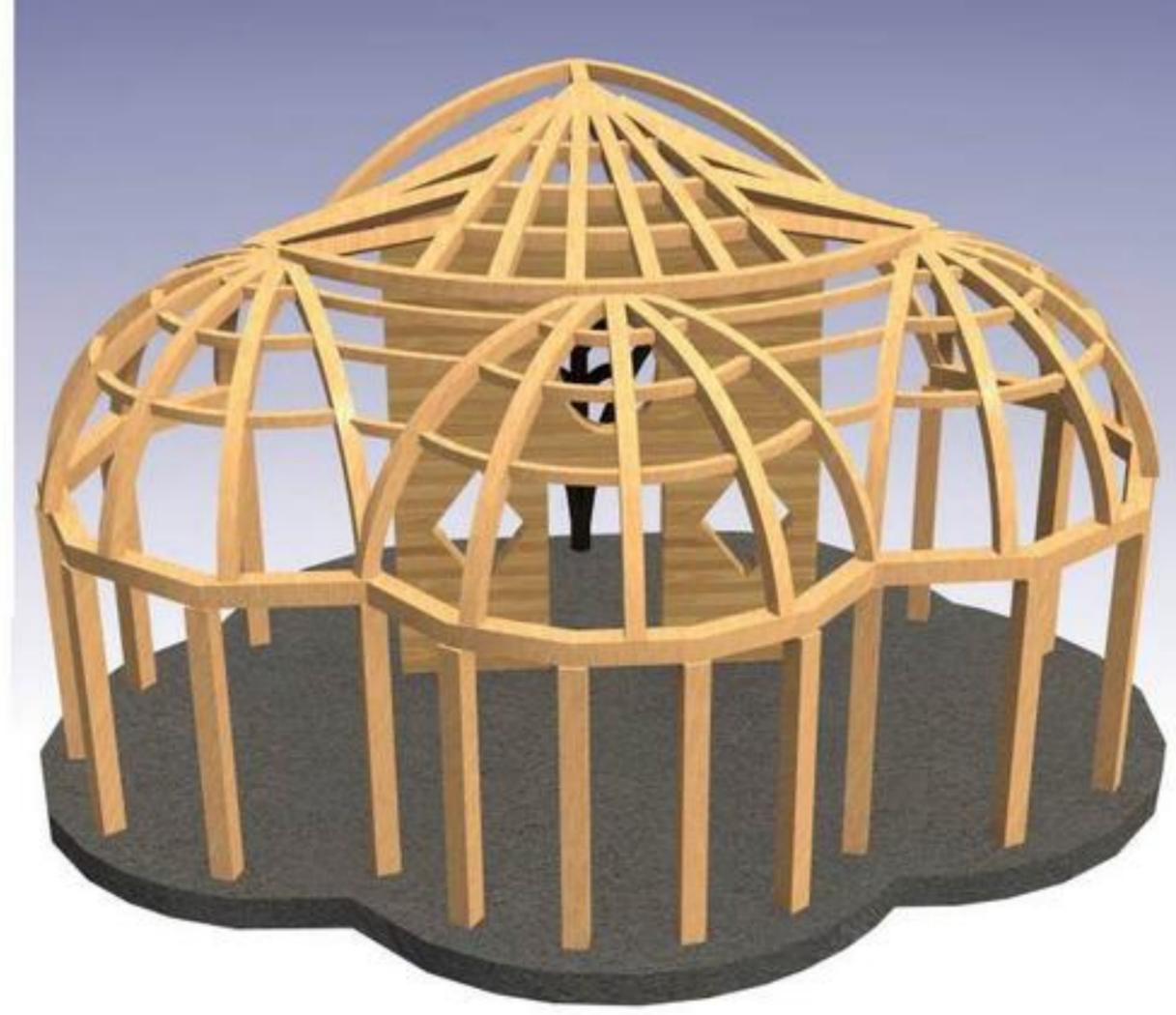
スケール 1 : 1 0 0



Ground floor plan
階平面図

Surface 33 m²
面積 10 坪

Wood Structures
木造建築



Section A-A
セクション に - に

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