

Bamiyan Cultural Centre

Bamiyan, Afganistan

BXBstudio Bogusław Barnaś

INFO

Bamiyan Cultural Centre is located In a unique place with a special potential . The plot marked to the project is situated on a hill with a view of the Bamiyan Valley. The aim of our project is to emphasise and take advantage of the value of the place , to adapt it to the surrounding landscape and culture. Moreover , we would like to present a building economical in terms of usage , easy to extend and change of its function.

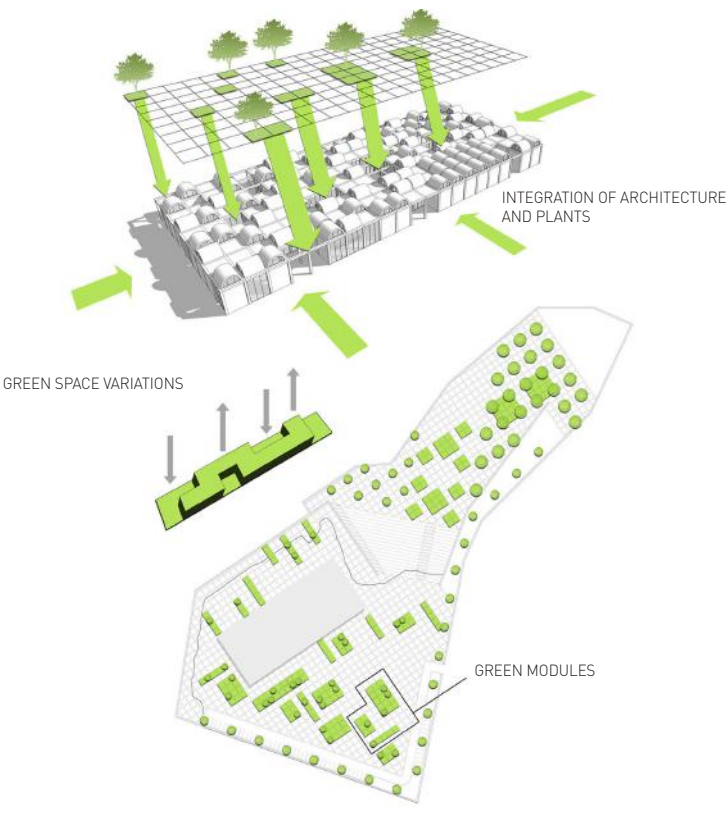
During the process of designing of the building we were trying to conform to all the guidelines given in the contest regulations. Our assumption was to design a building constructed from local materials in a technology typical for the region , possessing outstanding architectural qualities. What is more , the building should be easy to extend and very flexible in terms of arrangement. On the one hand , the building ought to be very compact to become energy-efficient. On the other hand , it should be well lit with natural light.



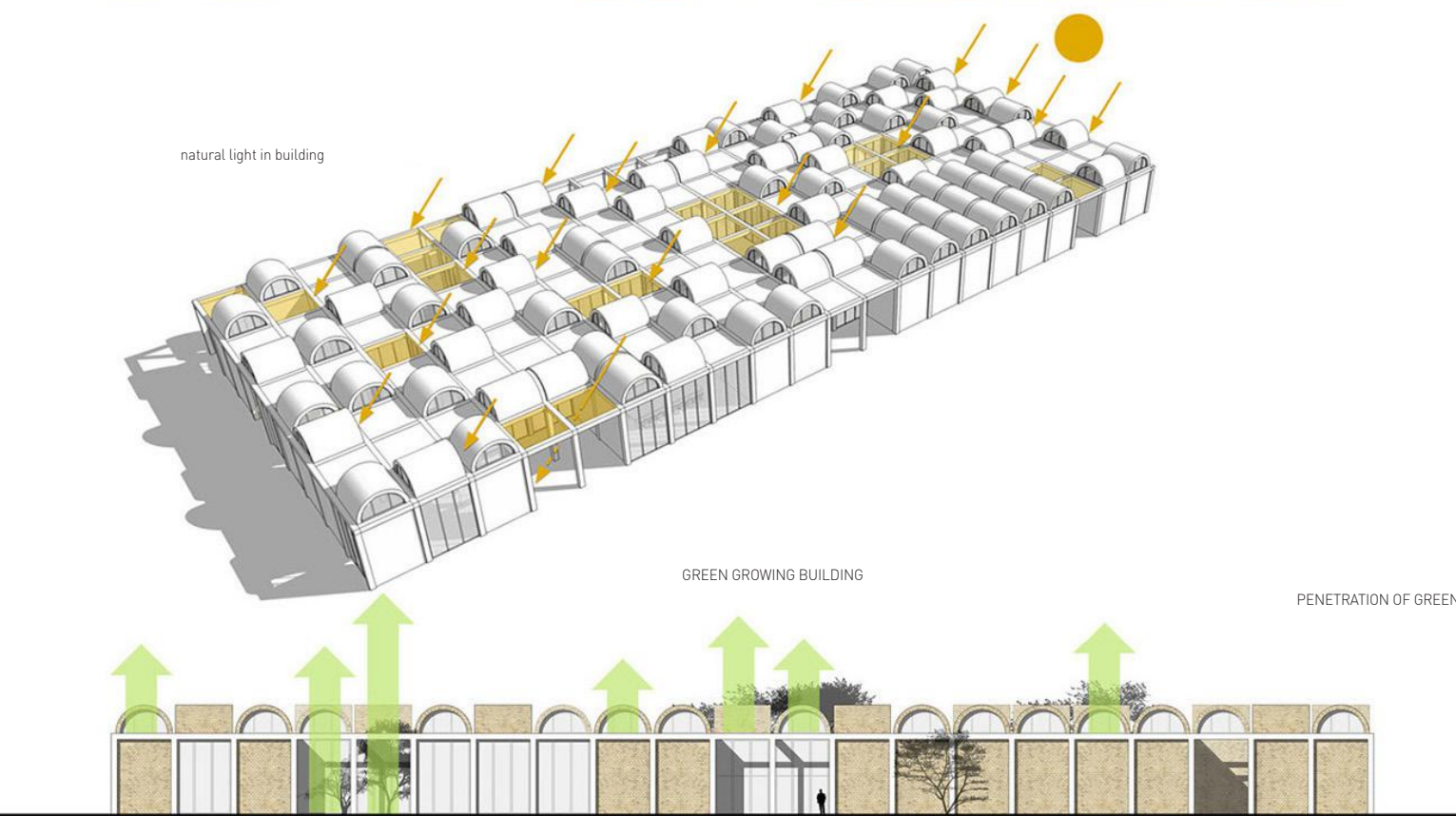
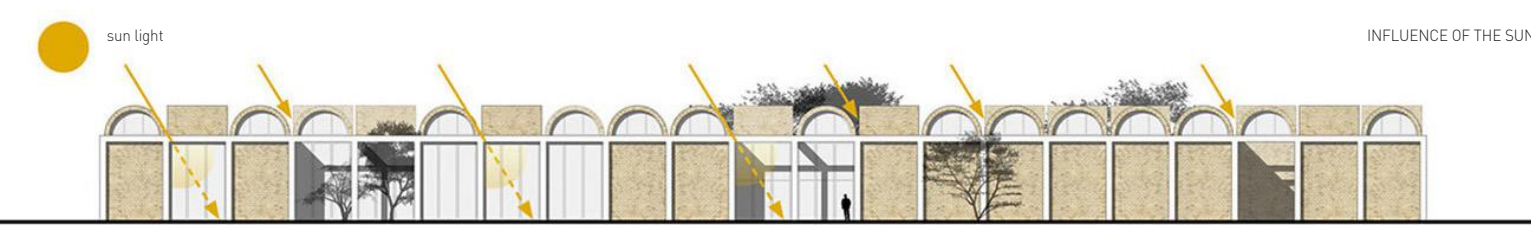
SITE PLAN



GREEN MODULES



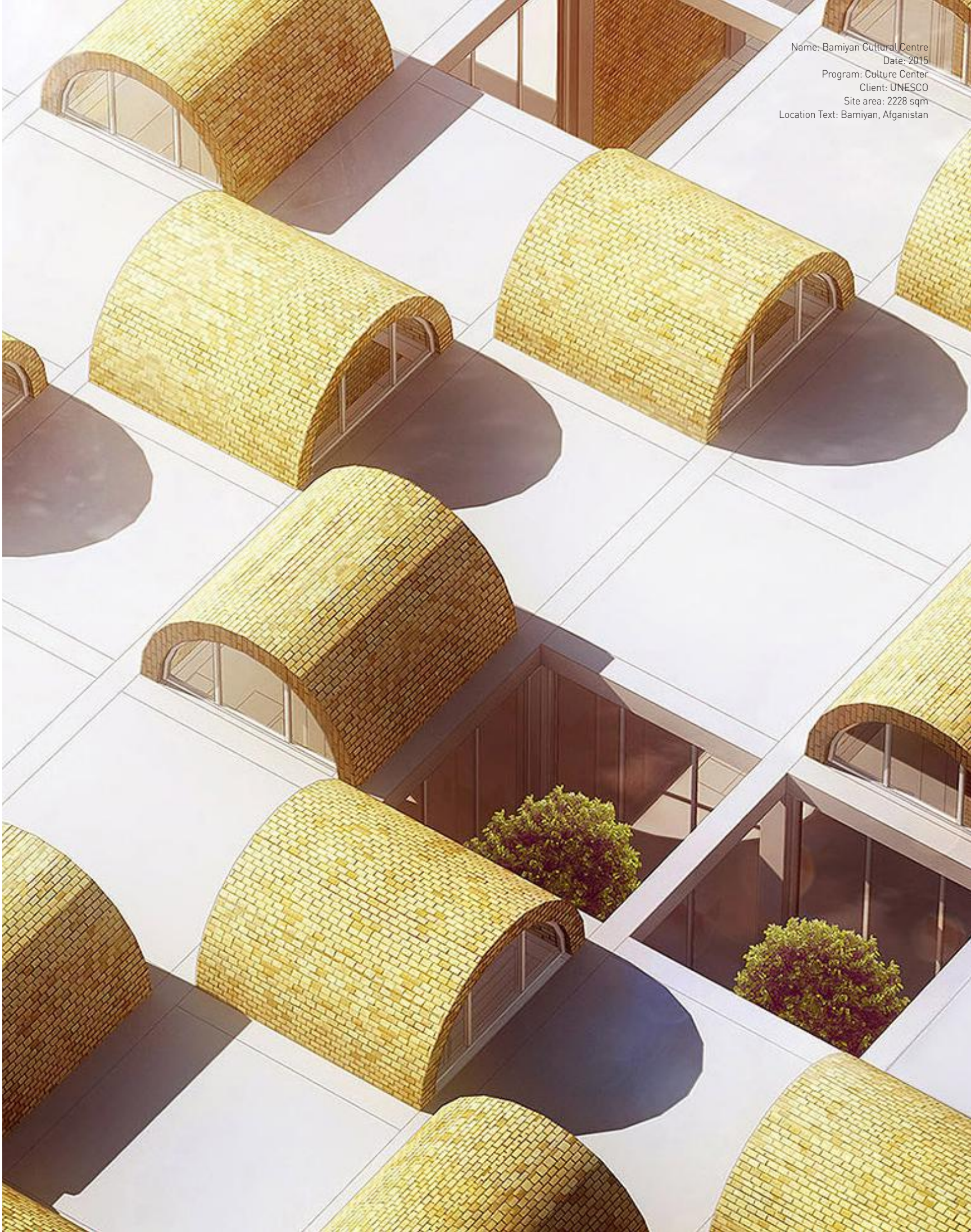
FUNCTION



TYPICAL BUILDING WALL SECTION



Name: Bamiyan Cultural Centre
Date: 2015
Program: Culture Center
Client: UNESCO
Site area: 2228 sqm
Location Text: Bamiyan, Afghanistan



Dalseong Citizen's Gymnasium Daegu, South Korea

BXBstudio Bogustaw Barnaś

Name: Dalseong Citizen's Gymnasium
Date: 2014
Program: Culture Center
Client: Daegu Metropolitan City
Site area: 4600m2
Location Text: Daegu, South Korea

INFO

Project Idea

Dalseong Citizen's Gymnasium is located in a picturesque mountain landscape that is disrupted by noisy traffic communication located in the direct neighborhood of the site. Our intention was to create a building that will be winded by green space as an acoustic buffer for the city traffic, as well to create architectural object that will correspond to the picturesque, mountain landscape of Daegu, and nearby located sport center.

The design of our building is inspired by traditional Korean architecture and badminton shuttlecock. Solid concrete base that refers to the massive fortress creates a buffer between the interior of the building and noisy surrounding traffic. Concrete base accordingly to the traditional fortress has a central perforation through the structure of main hall, that link to the unique green car-park garden and beautiful cemetery on the other side, where a monument is located. The building is covered with a levitating copper roof that links to the traditional Korean design.

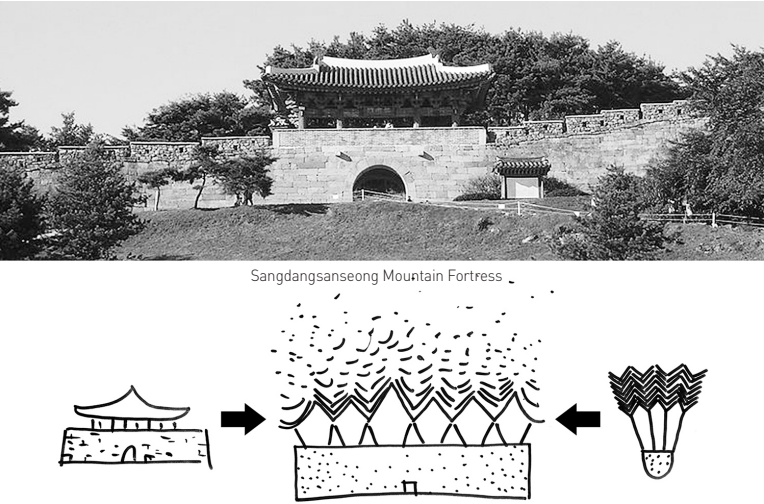
The badminton shuttlecock becomes a structural design inspiration for the building that will place ten badminton playing courts. Main functional core of the building is a massive concrete base, same like solid core of the shuttlecock head. Structural diagonal columns supports the roof that gives the right dynamic and direction of the hole building, same like shuttlecock feathers that stabilize to fly in the right direction. The architectural analogy of the function and design to the badminton shuttlecock is reflected outside and inside of the building, by offering a spectacular fleeting space with its amazing beauty in badminton courts area.



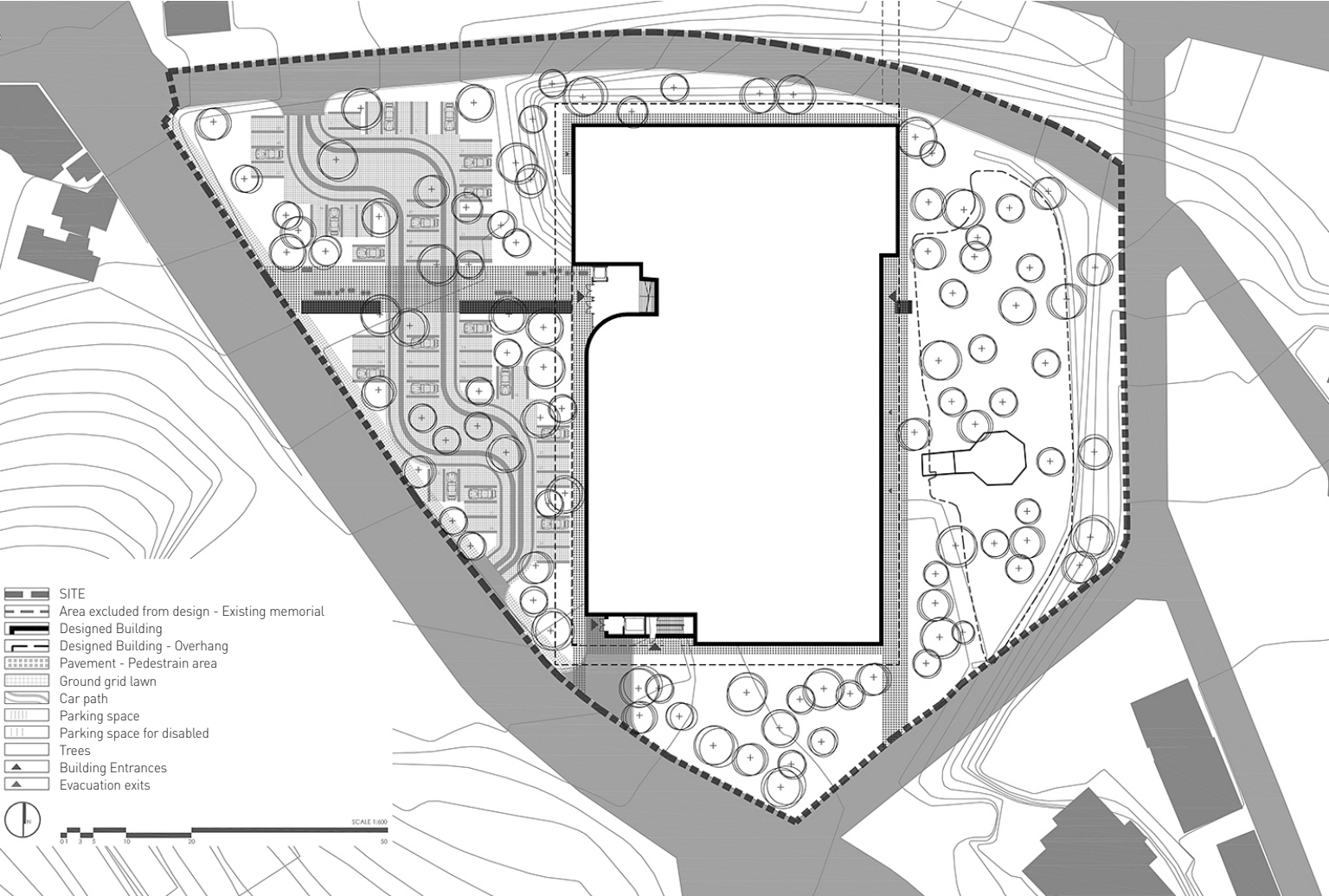
IDEA



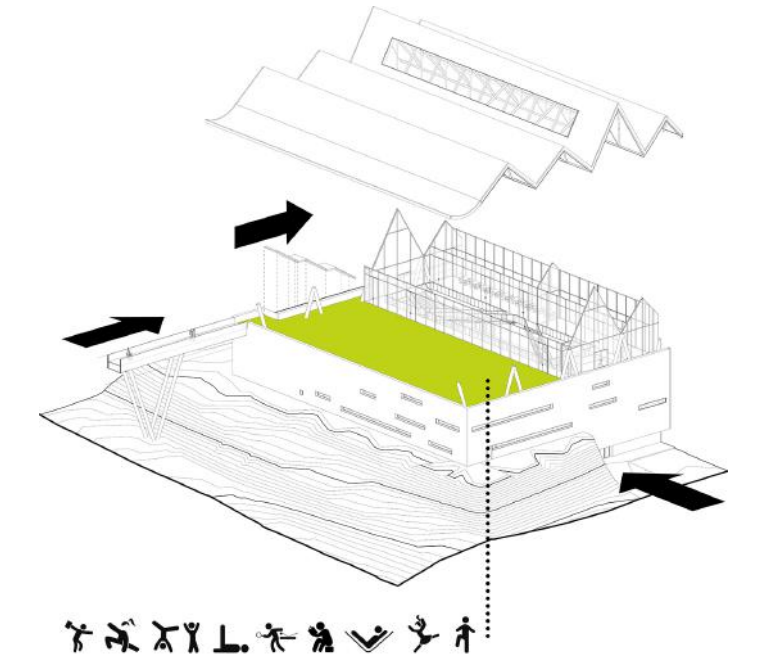
CONCEPT DIAGRAM



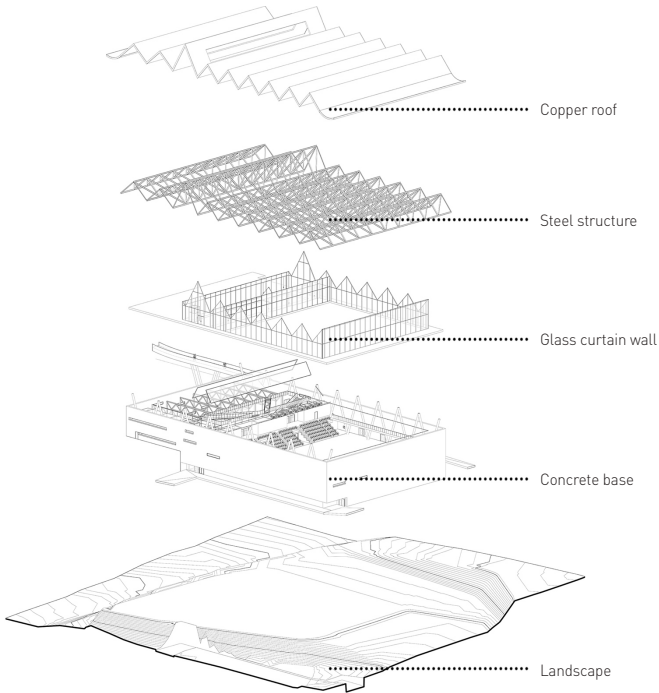
SITE PLAN



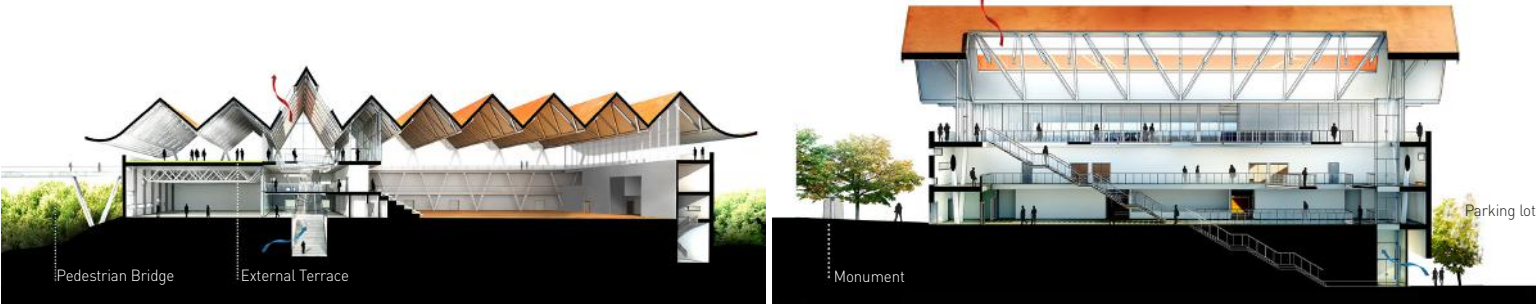
FUNCTION DIAGRAM



MATERIAL



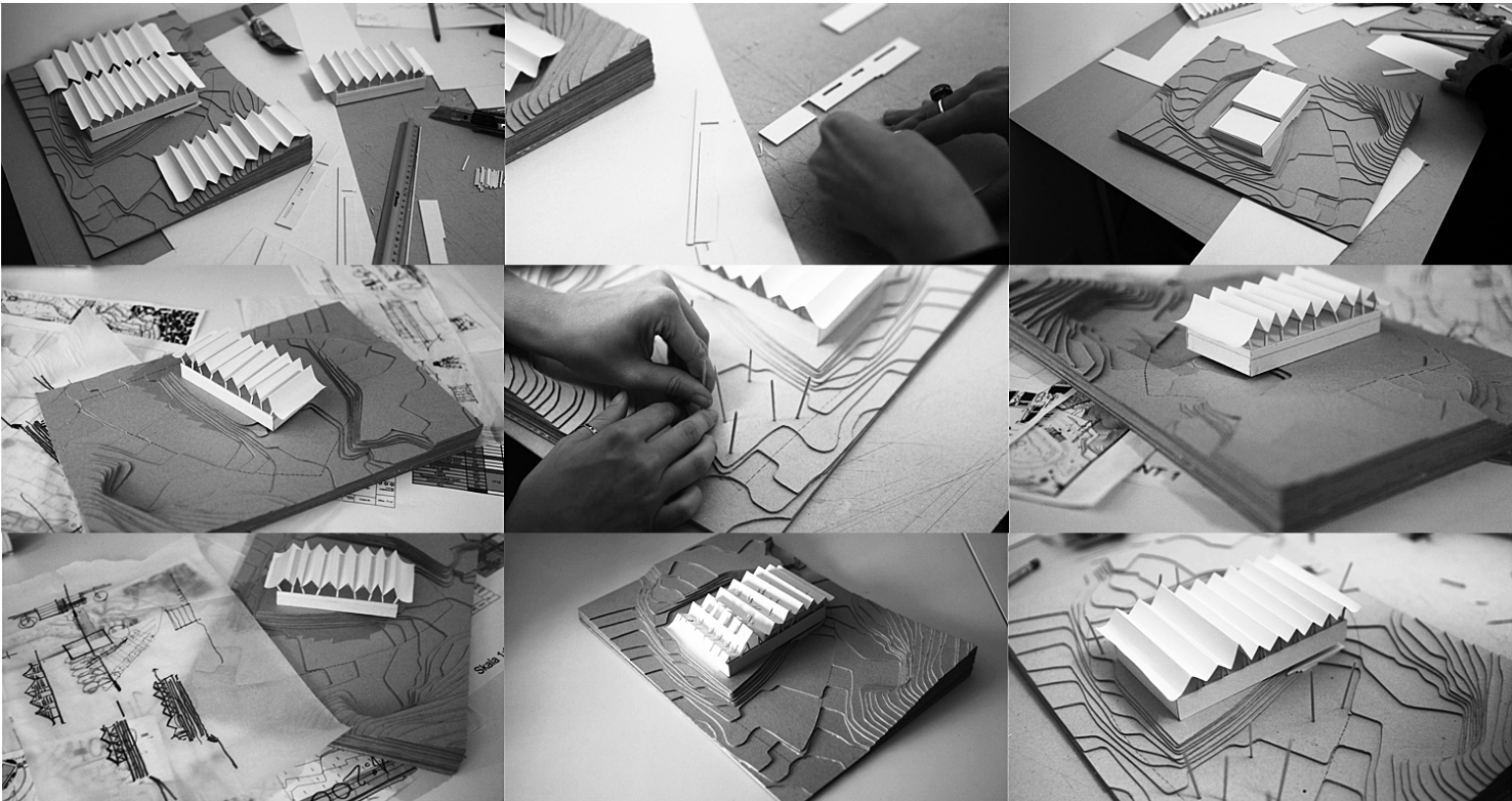
SECTION



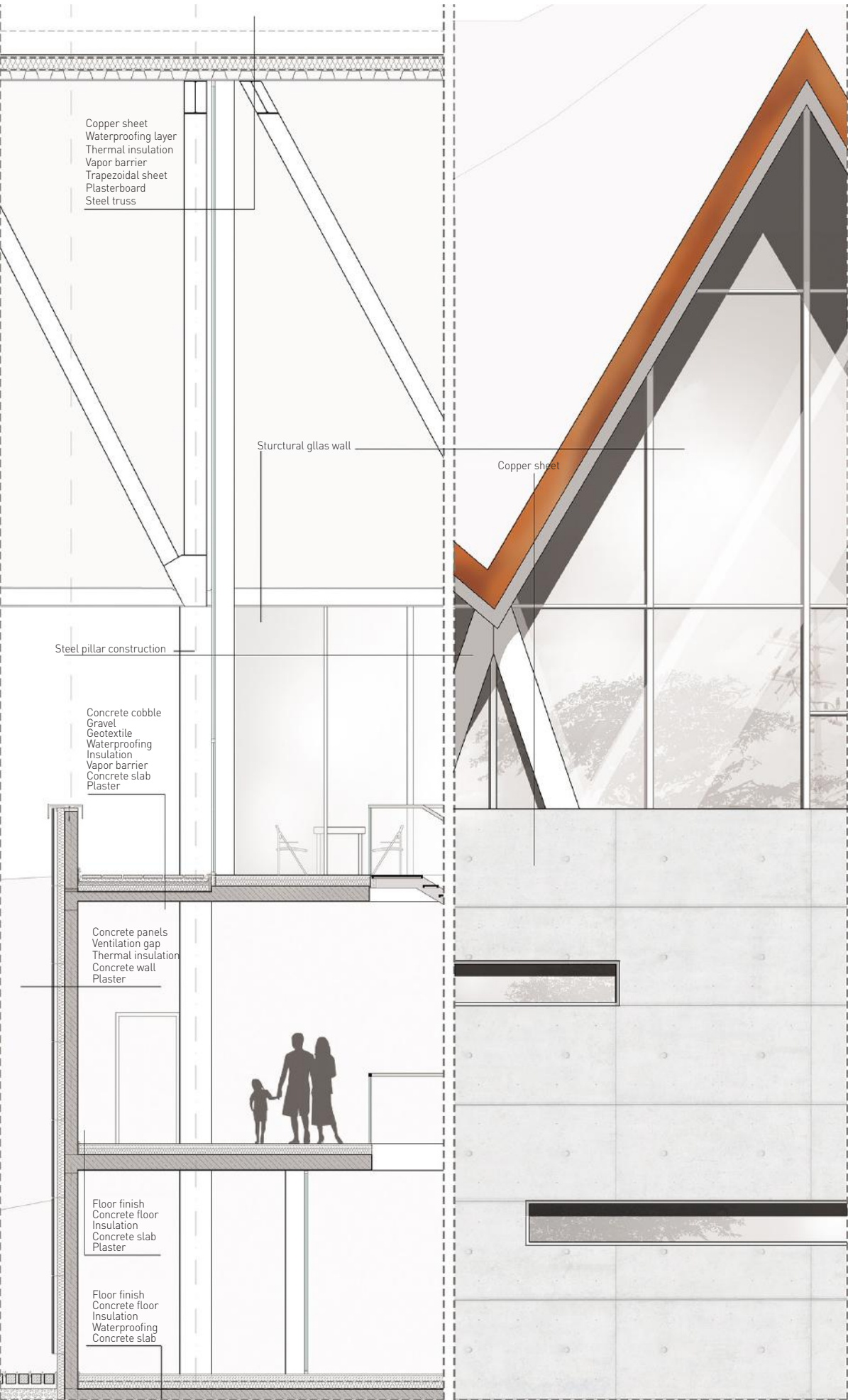
CROSS

LONGITUSINAL SECTION

STUDT MODELING



TYPICAL BUILDING WALL SECTION



Polish House

gm. Gródek nad Dunajcem, Polska
BxBstudio Bogusław Barnaś

INFO

Design of the Polish House is based on the polish timber architecture, polish rural culture, picturesque churches covered on the roof by wood shingle, slender watchtowers, old-polish manor houses and open-air museums - full of spectacular wooden constructions. This house is a modern interpretation of unique and rich polish cultural heritage which is not quite visible in international design trends.

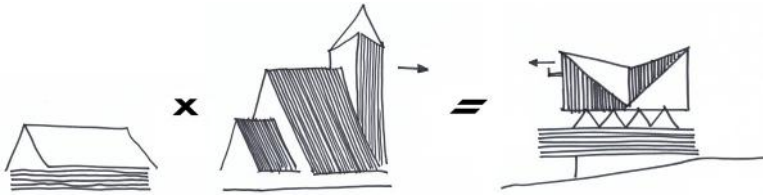
The main architectural form constitutes a concrete base leaning on the slope. Two other dominating forms are laid on it as if on the basis. Additionally, they were contrasted with translucent level. Static cuboid forms refer to traditional houses made of wooden trunks, dynamic and light of the upper form which covers the entire building was, in turn, inspired by old perpendicular timber log churches. These two detached forms create together intriguing spatial dialogue of contrasts.

The house is located on the top of the surrounding hills on the 31 acre plot in the municipality of Gródek nad Dunajcem.

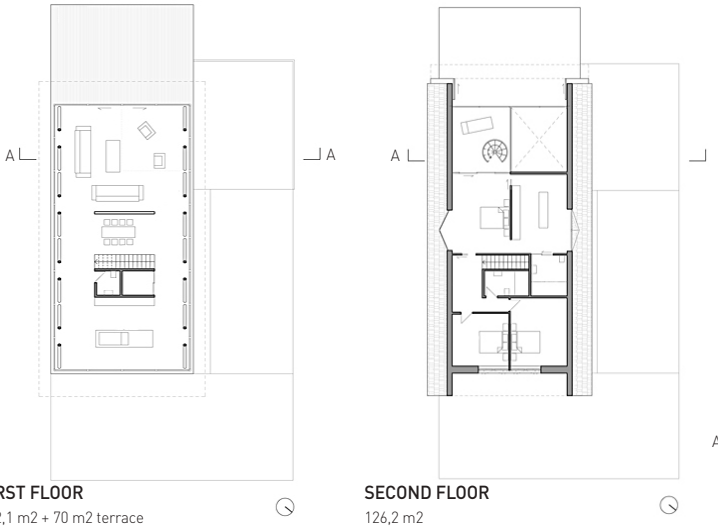
The layout of the house is conceived in the way so that the positive aspects of the plot's landscape are maximized. The living room storey was fitted with glass. The basic concrete form was deliberately devoid of any vertical lines so as to adjust it to the sloping form of the roof and landscape. The architect made a decision of fitting here an open spacious saloon with fireplace, dining room and kitchen adjacent to the driveway and nearby woods



SKETCH



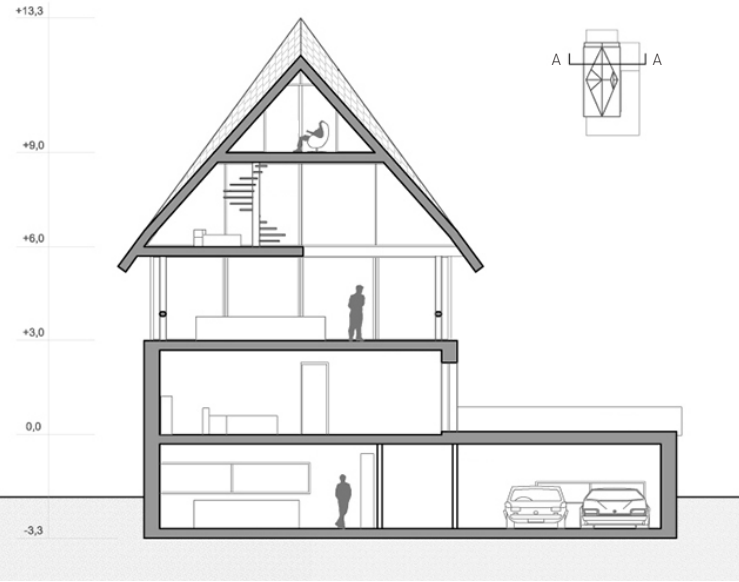
FLOOR PLAN



SITE PLAN



CROSS SECTION



CROSS SECTION





Polish log Church

BXBstudio Bogustaw Barnas

Name: Polish log Church
Date: 2015
Program: Church
Site area: 115m2

INFO

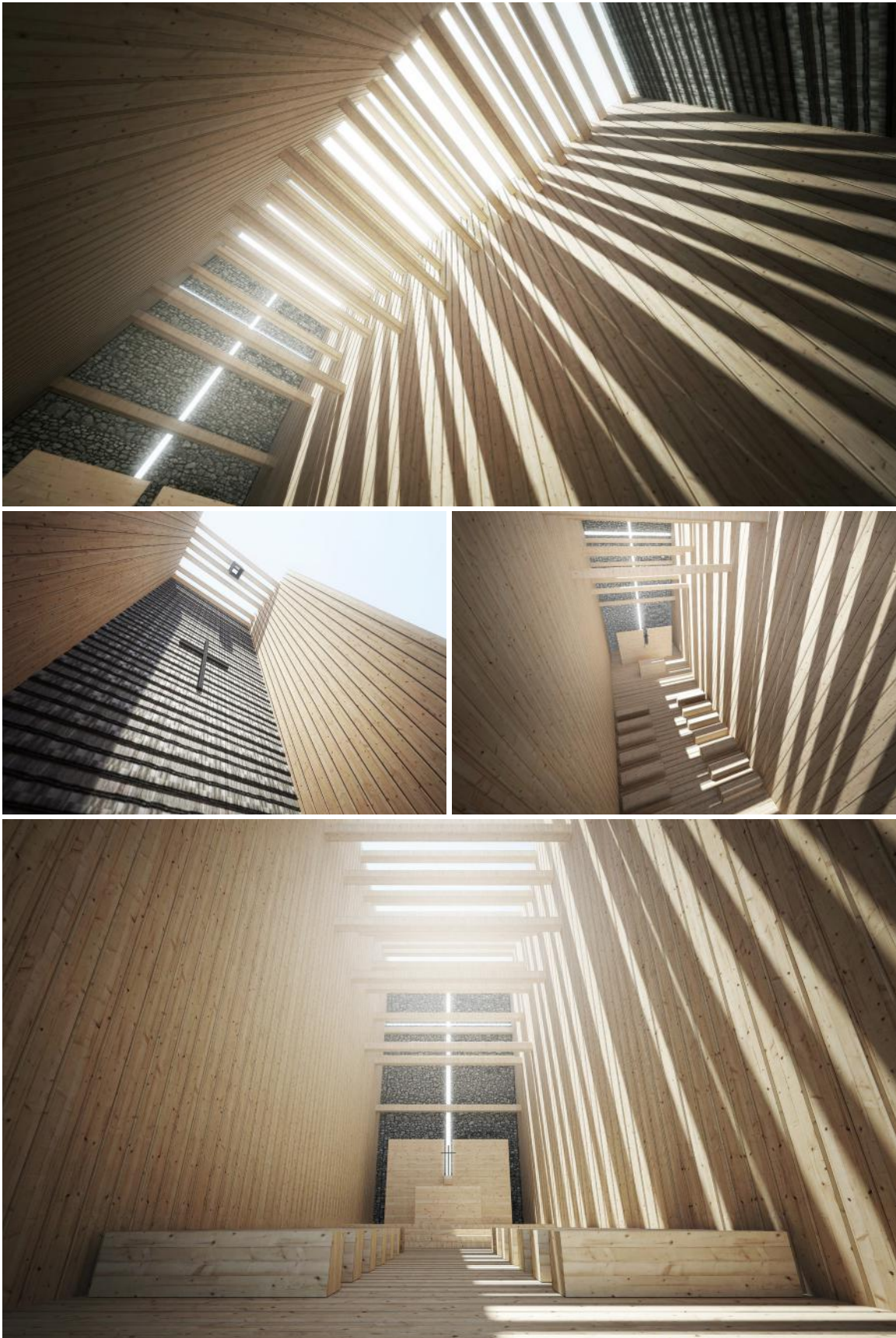
In the design of the Polish Log Church the architect attempts to transform traditional log churches and traditional timber buildings into unique, modern architectural design. This project can initiate an important discussion on the conditions of Polish sacral architecture.

Wooden log churches give Polish landscapes enormous architectural value. Their unusual structures as works of elite wood-crafting became very particular artistic form in European-scale, preserving their individual character to date.

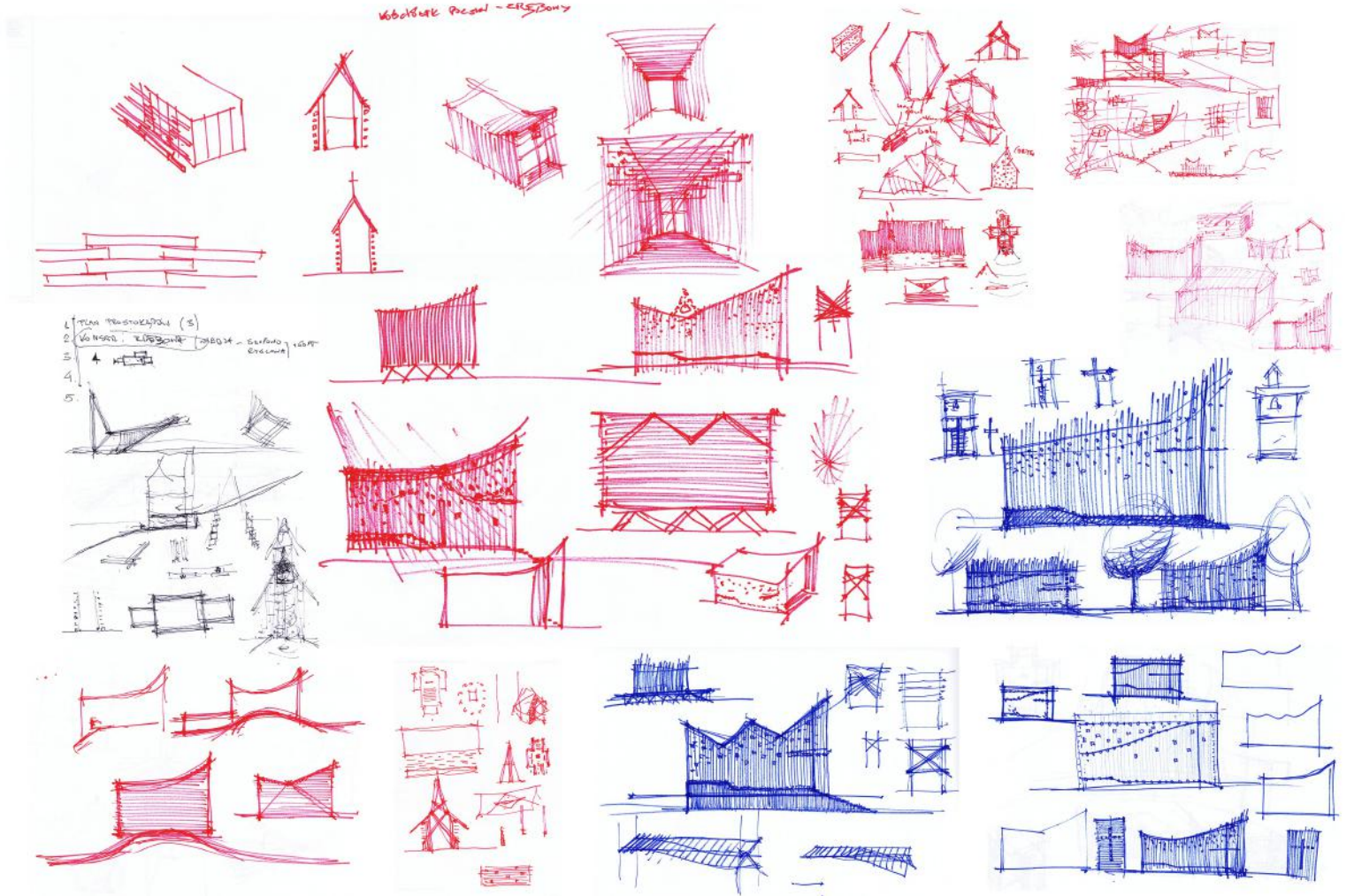
The Polish Log Church project is a link-up of traditional vernacular form of log church and simplistic unification of contemporary design.

Our goal is to give the project more value. Secondly, we wanted to re-create and re-use traditional architectural concepts. Therefore, we used the log house construction system, but turned on 90°. The reversal includes directions as well as materials used.

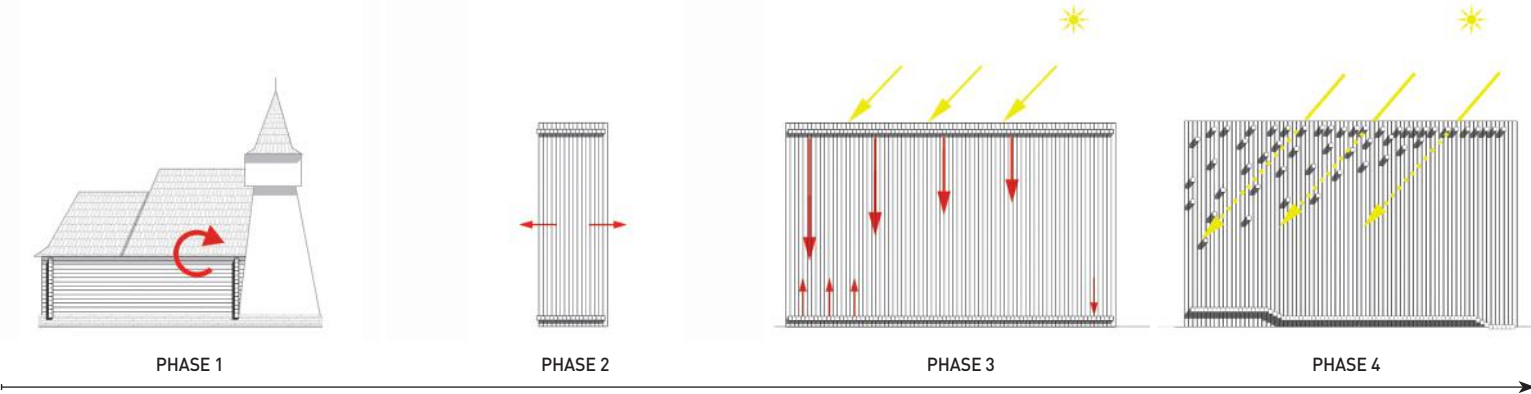
In that way, the doors were given the forms of traditional roofs covered in wood shingle, while stone substructure is turned into altar. Elements of the log system constitute not only side walls but also the floor and the ceiling. Differential level of the floor, entrance stairs and raised altar were made thanks to relocation of some of these timber elements of the log system. In turn, moving down wooden beams of the ceiling provides light and sun into the main nave.



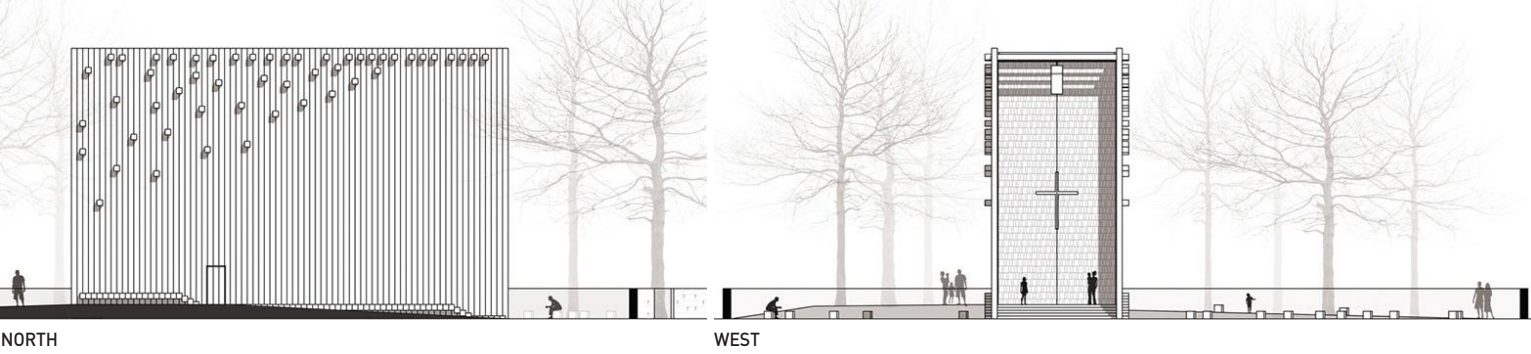
SKETCH



PROCESS DIAGRAM



ELEVATION



the Jamsil Sports Complex

Seoul, South Korea

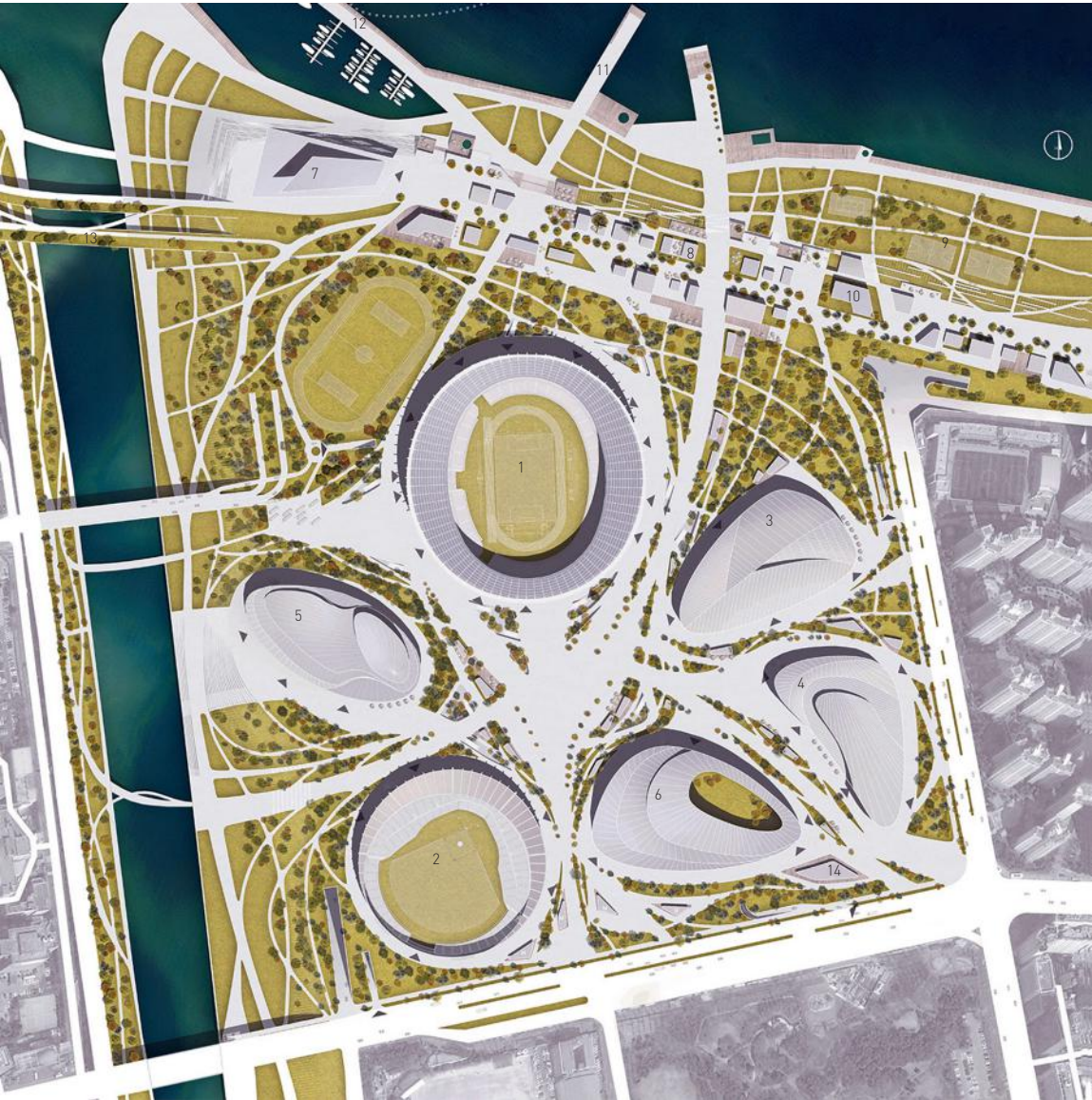
BXBstudio Bogusław Barnaś

INFO

Seul is a dense metropolis - one of the most crowded cities in the world – it demands more peaceful and green areas – and an opportunity to create one is the Jamsil Sports Complex. The proposal aims at developing a different scale, different atmosphere. The revamped site will be green and eco-friendly and serve not only as a sports complex, but also as the trendy, multifunctional business and commercial district with many entertainment uses. The proposal envisages the creation of SIX MAIN ICONS: Revamping of the two stadiums, a center for performing arts, expo building, pool facility and indoor gym. There will be a riverside hotel adjacent to the new commercial area, in place of the olympic highway. GOAL: To achieve a cutting-edge development – bringing together multicultural society, connecting business with entertainment and setting new trends. The new edition of the Jamsil Complex will live during the day and at night, all over the year - regardless the scale of the events and the type of activities, bringing together tourists, business people, residents, sportsmen and many others.

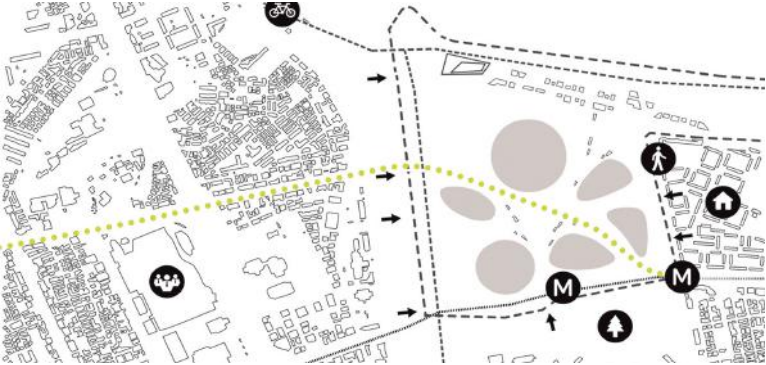


MASTER PLAN



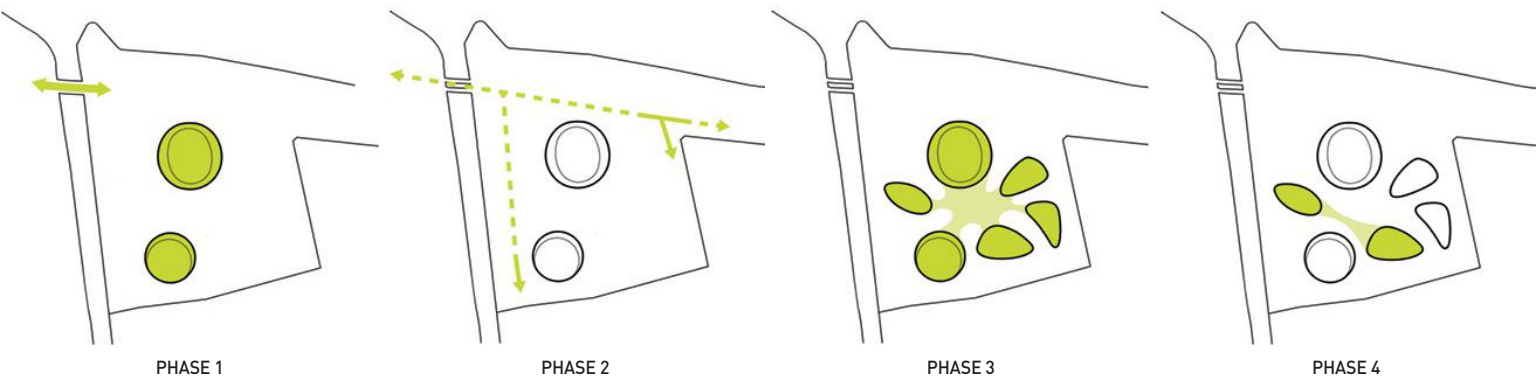
- 1. Main Stadium
- 2. Baseball Stadium
- 3. The City Pool
- 4. Gymnasium
- 5. Center for Performing Arts
- 6. EXPO
- 7. Hotel
- 8. Woonref - Livable Street
- 9. Entertainment Buildings
- 10. Water Sports Center
- 11. Three Piers
- 12. The Water Tram
- 13. Highway Structure
- 14. Bike Rental

SITE ANALYSIS



The most important factors affecting the design are: The directions of people flow (ex. subway stations, existing pedestrian passages and current and proposed footbridges and bicycle bridges). The other big influence is the type of development surrounding the site and the significant landmarks like the COEX Center. In the close neighborhood of the site there are parks that need to be spatially connected.

PROCESS DIAGRAM

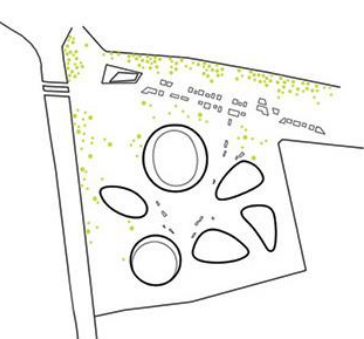
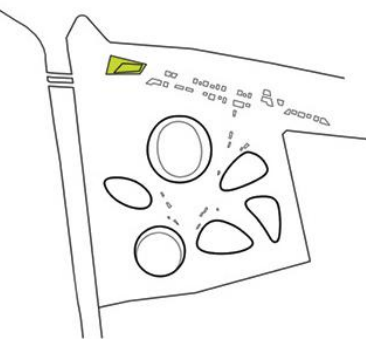
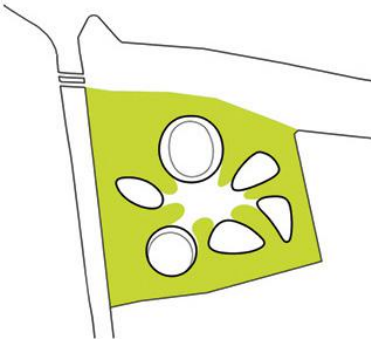


PHASE 1
Saving the existing Main Stadium and Baseball Stadium, as well as the elevated highway bridge and transforming it into green space.

PHASE 2
Removing barrier and putting the highway underground.

PHASE 3
Creating 4 iconic buildings in a circular arrangement that form a large public space in the central area.

PHASE 4
Reviving the park by adding extra many functional sports, like sports courts, skateparks, pavilions.



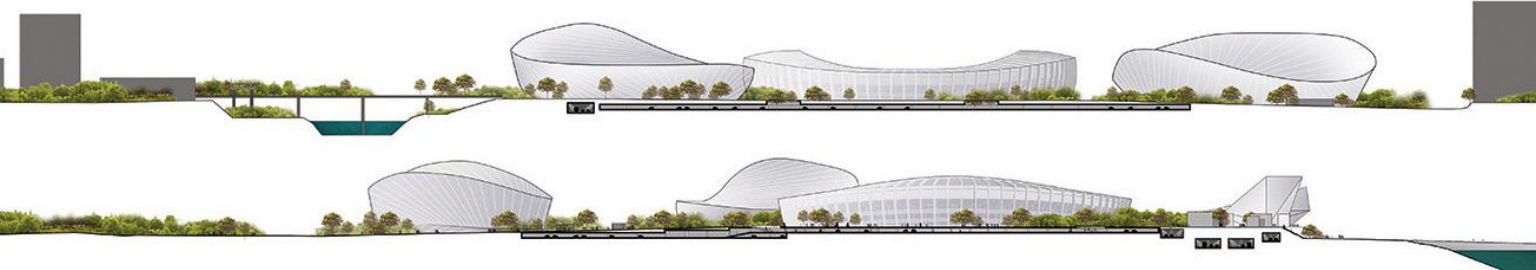
PHASE 1
Introducing more greenery to the dense city location in such spot gives a chance to cut out the concrete surface of the metropolis and replace it with more green and user-friendly space.

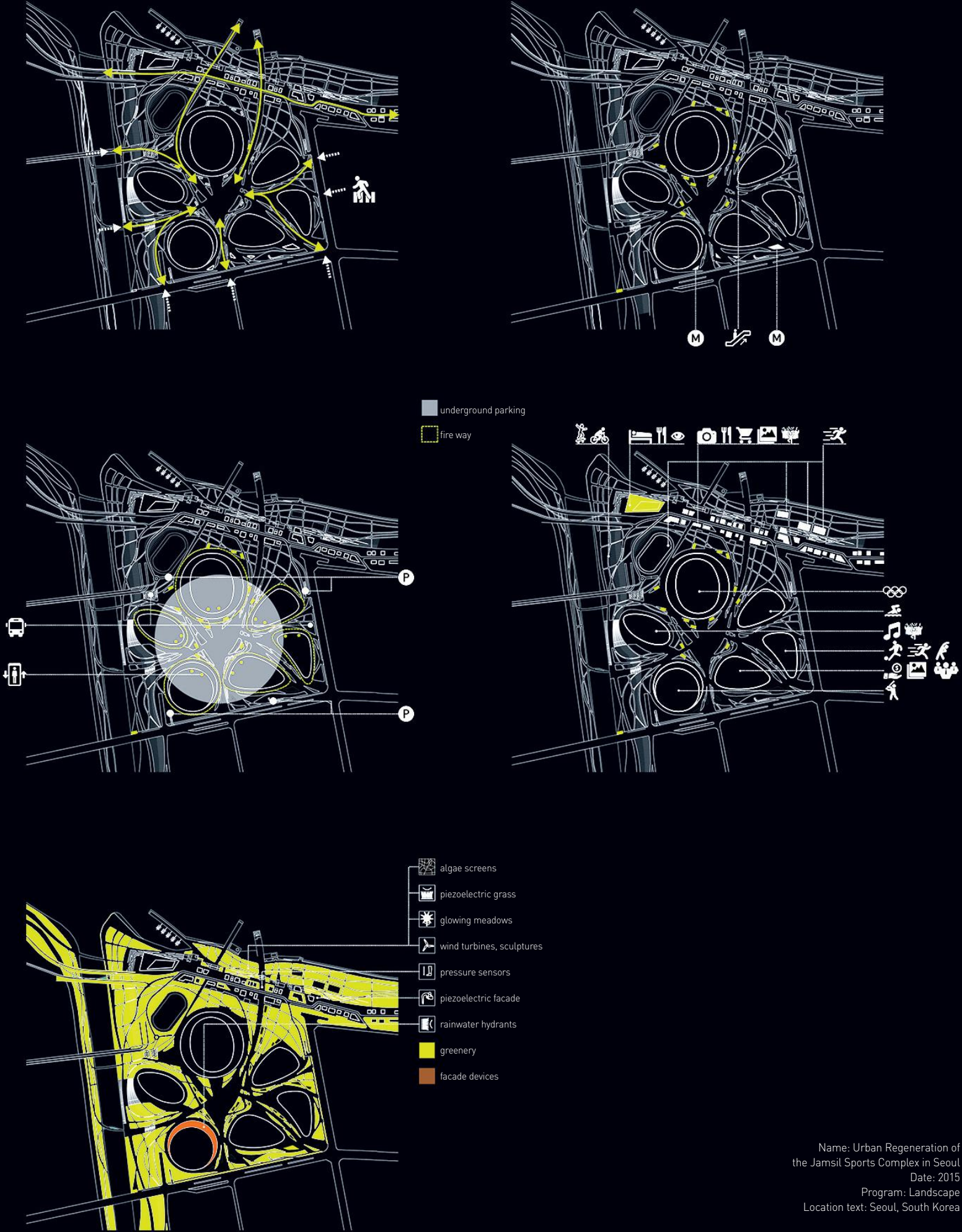
PHASE 2
The central area as a mixed-use space, created by placing the EXPO building and Center for Performing Arts on the opposite sides. It allows people with different interests to mix, marking it a real(cultural, sport, and business) exchange district.

PHASE 3
The proposal includes several architectural dominants, one of which is special due to its location on the North West waterfront. It will become a significant landmark for the visitors and be a good spot to stay in Seoul, near the popular business district, in the heart of a revamped, attractive spaces of the Jamsil Sports Complex.

PHASE 4
Installing energy saving and energy generating features, for example the ferromagnetic fibers that can power the light system during the night, wind turbines, piezo electric grass, etc.

SECTION





Name: Urban Regeneration of the Jamsil Sports Complex in Seoul
Date: 2015
Program: Landscape
Location text: Seoul, South Korea

