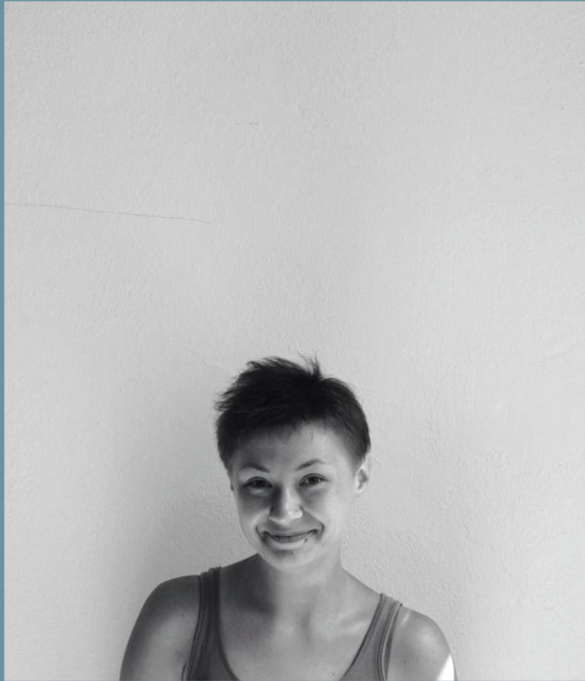


katarzyna kozakiewicz
PORTFOLIO

architectural works 2009-2015



CURRICULUM VITAE

/name/ KATARZYNA KOZAKIEWICZ
/date of birth/ 19.10.1989
/adress/ 25 RANGEMORE STREET
BURTON-ON-TRENT
STAFFORSHIRE
DE14 2ED
/email/ KASIA.KOZAKIEWICZ89@GMAIL.COM
/tel/ 07547999630

/personal profile/

An enthusiastic, characteristic and creative individual with a passion for architectural design. Approaching all obstacles with a clear mind and forward-thinking, coupled with the ability to work on own initiative or as a part of a team allows a formation of constructive opinions and the ability to problem solve.

/education/

2005-2008

High School (Finish with Matura Exam)
II LO Gdynia, Poland
Subjects: Mathematics, Polish, English

2008-2012

Bachelor of Architecture
Gdansk University of Technology, Poland
Main Modules: Architectural Design, Urban Design, Landscape Design, History of Architecture, Mathematics, Structural Mechanics, Descriptive Geometry and Technical Description.

2012-2015

Bachelor of Architecture
Gdansk University of Technology, Poland
Main Modules: Architectural Design, Urban Design, Landscape Design, History of Architecture, Mathematics, Structural Mechanics, Descriptive Geometry and Technical Description.

/hobbies/

Graphic design, architectural design, painting, travelling, hiking, nature, reading, photography

CURRICULUM VITAE

/employment history and experience/

July-September 2011	Architectural Assistant Czaplinsky Architekci, Rumia Duties: Conceptual planning, AutoCAD designing and drawing, modelling and general office duties
June-August 2012	Archaeological Office Assistant Antiqua, Gdansk, Poland Duties: Processing raster graphics, AutoCAD drawing and printing preperation
June 2014	EWUQ (European Workshops on Urban Quality and Architectural Identity) Izmir, Turkey Duties: Group work involving conceptual planning, modelling and designing
July-October 2014	Part I Architectural Assistant Strzala Architects, Manchester, UK Duties: Conceptual planning, AutoCAD designing and drawing, SketchUp modelling and surveying

/skills/

AutoCAD	● ● ● ● ●	AutoCAD	● ● ● ● ○
SketchUp	● ● ● ● ○	SketchUp	● ● ● ● ○
Adobe Photoshop	● ● ● ● ○	Adobe Photoshop	● ● ● ● ○

CONTENT

1

MASTER'S FINAL PROJECT
'CINEMA STATION' - FILM CLUB AND CINEMATOGRAPHY MUSEUM
jerzy waszyngton street, gdynia

/page 1/

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SHIPYARD DOCK
stocznia district, gdansk

/page 20/

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BACHELOR'S FINAL PROJECT
STUDENT ACCOMMODATION
polanki street, oliwa district, gdansk

/page 9/

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SINGLE-FAMILY HOUSE
biala rzeka district, rumia

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FILM SCHOOL
redlowo district, gdynia

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WINDOW STOCKTAKING
the gdansk library of polish academy of sciences

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ORIGINAL WINDMILL EXTENSION
puzyce, pomerania

/page 18/

8

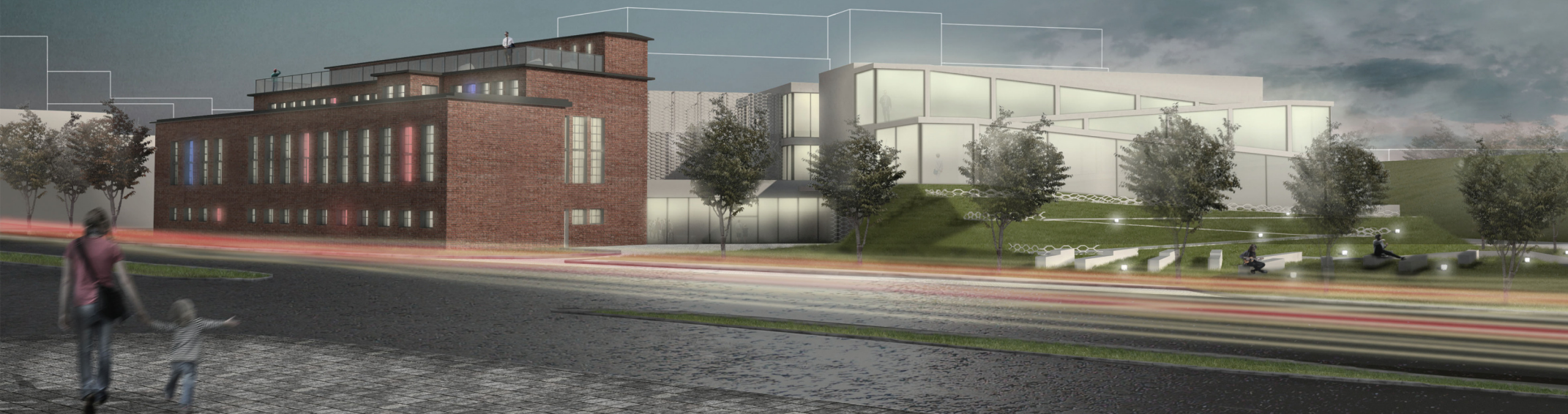
GREEN RESTORATION
uphagen park, wrzeszcz district, gdansk

/page 28/

CINEMA STATION

film club and cinematography museum
jerzy waszyngton street, gdynia

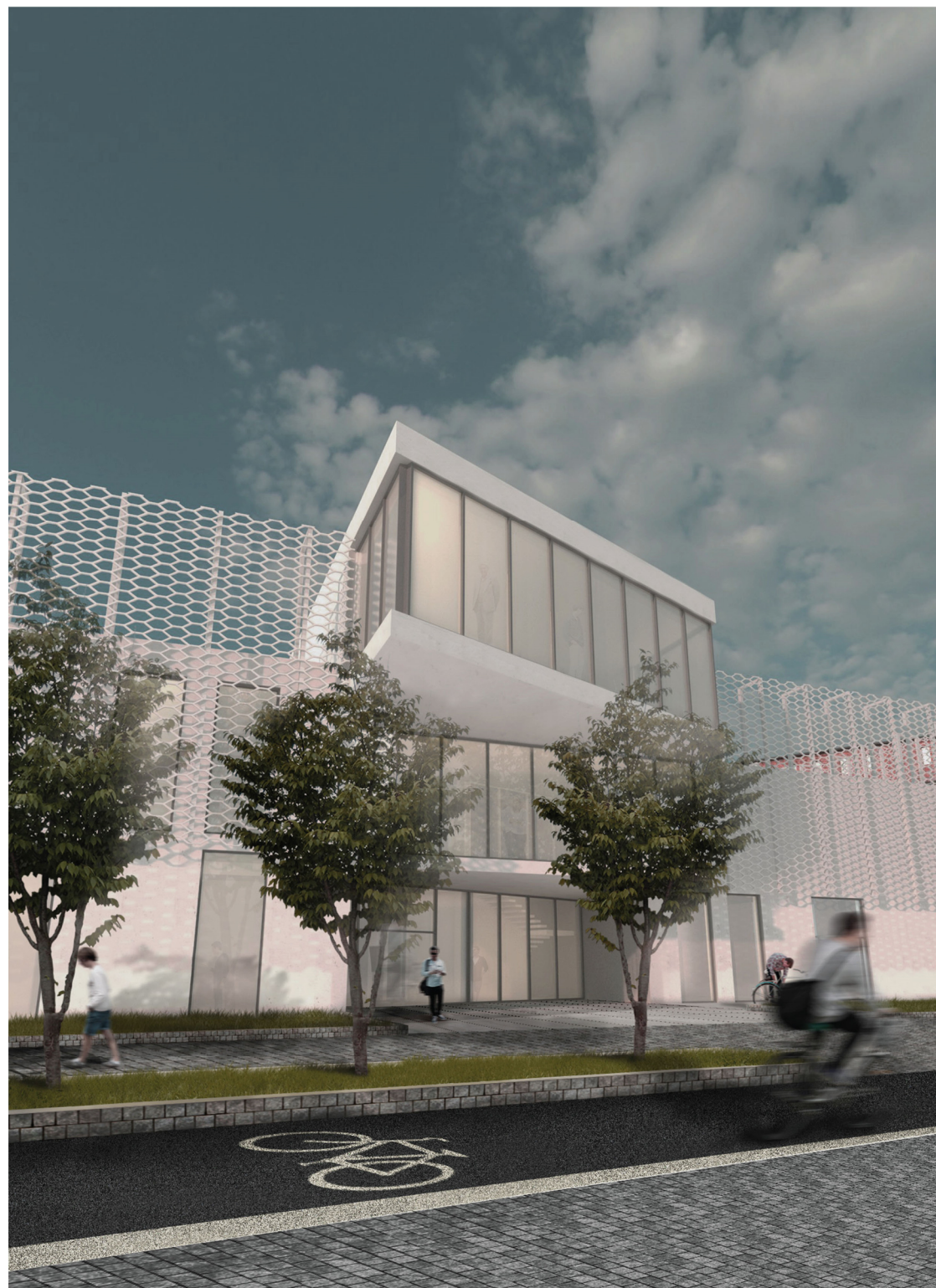
master's final project



The subject of the diploma project is a new film club and museum of cinematography in Gdynia on Jerzy Waszyngton Street. Existing film club is the only place like this in the city and one of very few in Tricity which functions as an art house cinema. However, due to problems with the location I have decided to create for it an independent object and to supplement it with additional features.

The design site is located on the area of the former Nauta Shiprepair Yard in direct neighborhood of Gdynia Śródmieście. In connection with the old industrial character in the closest surroundings there are many warehouse and workshop buildings with an extraordinary potential that are under conservation protection. One of those kind of objects is the brick building of the old boiler house named B-117, that in the project was subjected to adapt and supplemented with the new architectural form, not violating its original structure. That place would function as available for each group of people and forming a cultural center for all the movie lovers.

Designed object would consist of the museum of cinematography, collecting movies, scenography element and all the souvenirs related to the history of cinema as well as organizing movie exhibitions. The second function would be a film club composed of two study halls to host film screenings, meeting movie fans and rooms that would be a place of film and photographic workshops. Moreover I create complementary functions such as a café, reading rooms and bike rentals with hygiene and sanitary facilities.





BOILER HOUSE B-117

From the North-East side of the development area, there is currently the original brick building of the former B-117 boiler house. Built in 1957, it has unique potential due to its industrial character. It has been abandoned since 2004, and as a result its interior is largely neglected.

The boiler house is a three-storey building, without a basement, which is composed of two basic forms: the higher one, which has a superstructure (main form) and a lower one, which is two storeys high, showing its two-stage design process.

In the past, the ground floor of the main building comprised of a handheld workshop and ash disposal rooms. The first floor was the main hall with five boilers, equipped with two reinforced fuel tanks and a steel control platform. The superstructure contains internal staircases and horizontal, coal transportation rooms.

In the lower, two-storey form, the ground-floor consisted of supplementary rooms for steam and electricity distributors, pumping stations, showers and cloakrooms; the first-floor of a dining room, laboratory, management room, storage room, cloakrooms, showers and toilets.

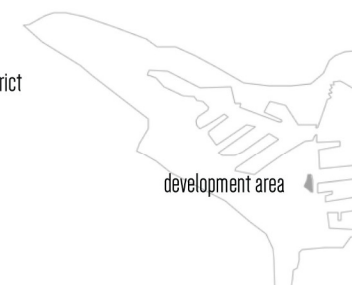
From the West side there was a reinforced concrete hopper for fuel. A small area next to the building was equipped with a coal fiber and a crane for unloading trolleys and bridging fuel to the elevator. There was also a grain elevator and horizontal transporter which was used to transport special equipment to the boiler house.



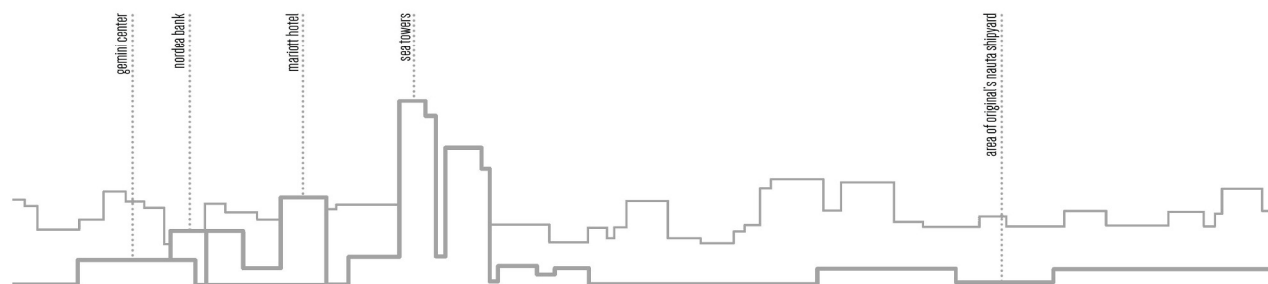
/development area location/



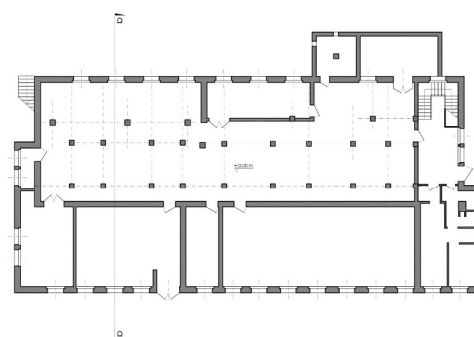
srodmiescie district



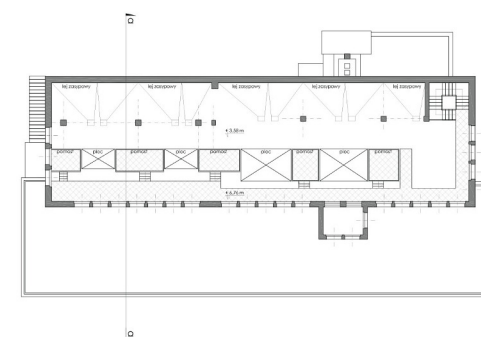
development area



/gdynia's waterfront outline/



boiler house /ground floor/



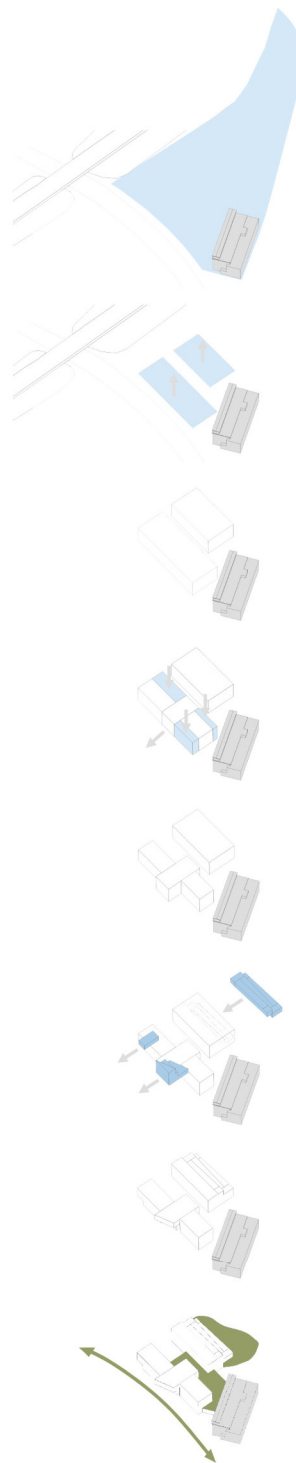
boiler house /first floor/



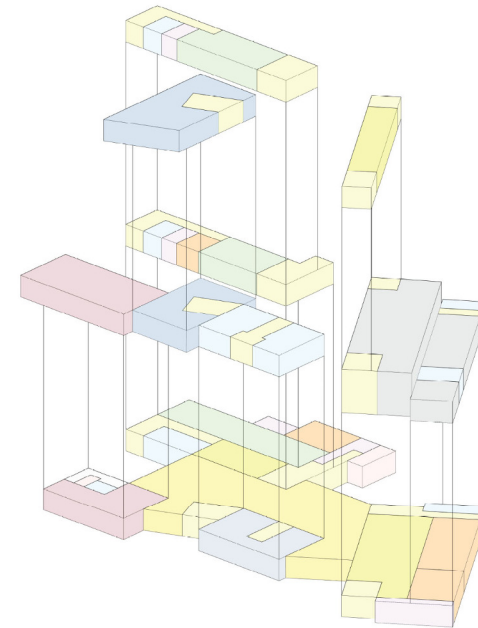
- development boundary
- existing boiler house
- designed buildings
- waste disposal
- wooden surface
- concrete panel surface
- main entrance
- additional entrance
- technical entrance
- floor level

- pedestrian and driving paths
- pedestrian and bicycle paths
- low green areas
- green roof
- trees

/site plan concept/



/building scheme formation/



- communication
- hall
- communal area
- hygienic facilities
- technical rooms
- exhibition halls
- movie theaters
- workshop halls

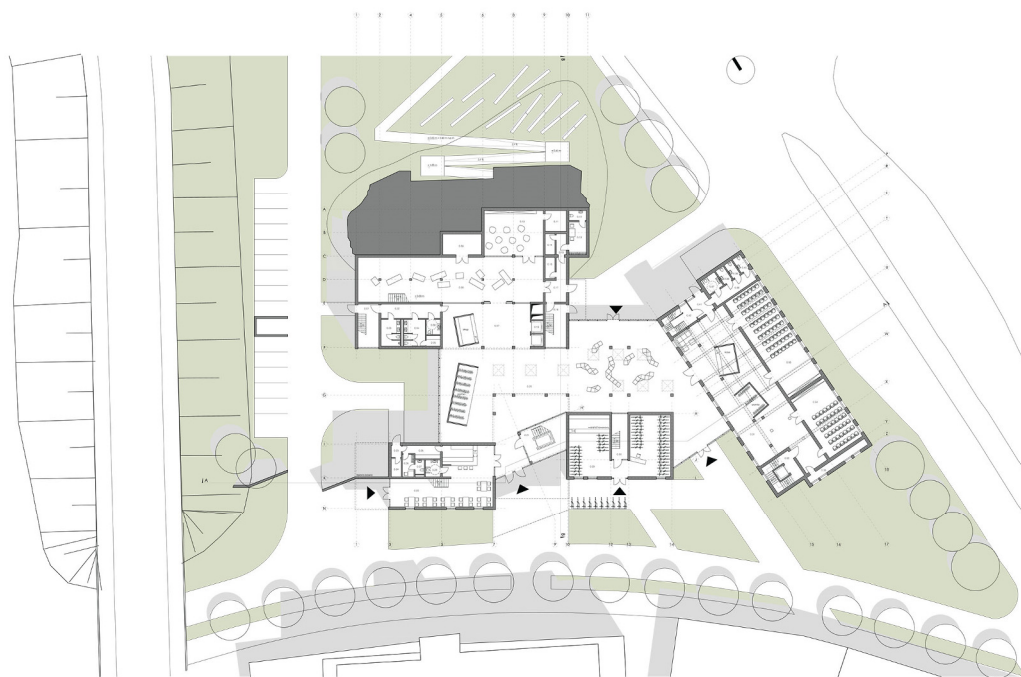
- social rooms
- bicycle rental
- cafe
- cafe service
- reading room

/functional scheme/

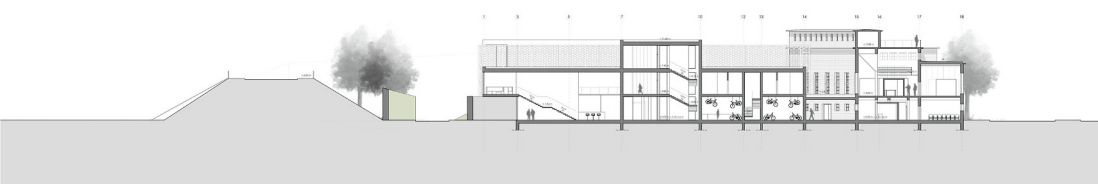
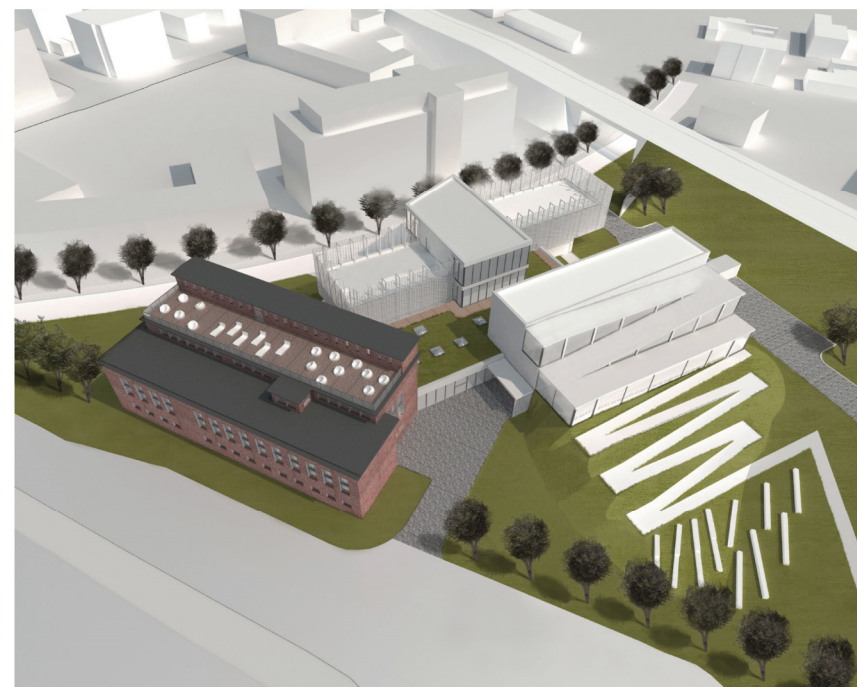
DESIGN CONCEPT

The main forms are composed of similar shaped and sizes rectangular forms, that have almost the same cubic capacity as the existing boiler house. The southern form was divided into three smaller rectangles, that were moved in different directions relative to each other, making it more dynamic. The highest storey was supplemented with an extension of a southern-facing cantilever, that emphasizes the direction of the pedestrian and bicycle path.

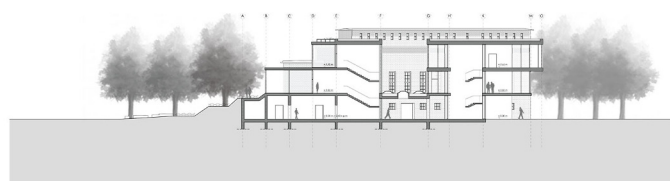
The museums form was supplemented by a green slope and internal ramp, that creates the entrance on the north side of the development area. Green is a very important feature of the project because it's an element that penetrates the individual building parts - starting from the pedestrian and bicycle path with the row of trees, through to the green roof between the buildings, finishing on the green slope that softly falls on the green, northern area. On the southern side the green wall was implemented, which separates the technical and delivery area from the main public route.



/ground floor plan/

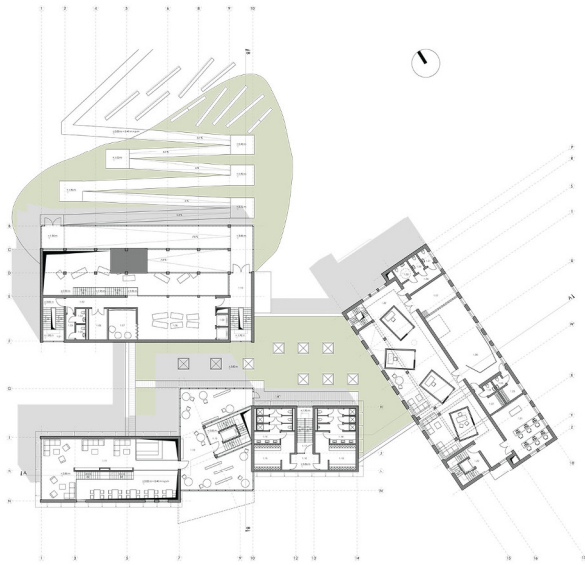


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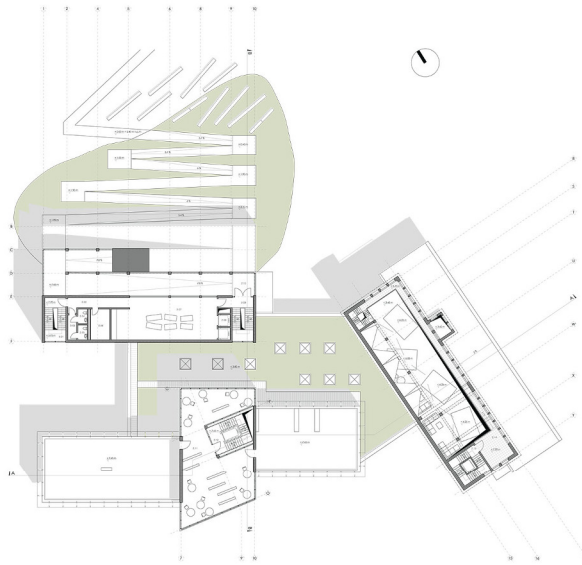


/section b-b/

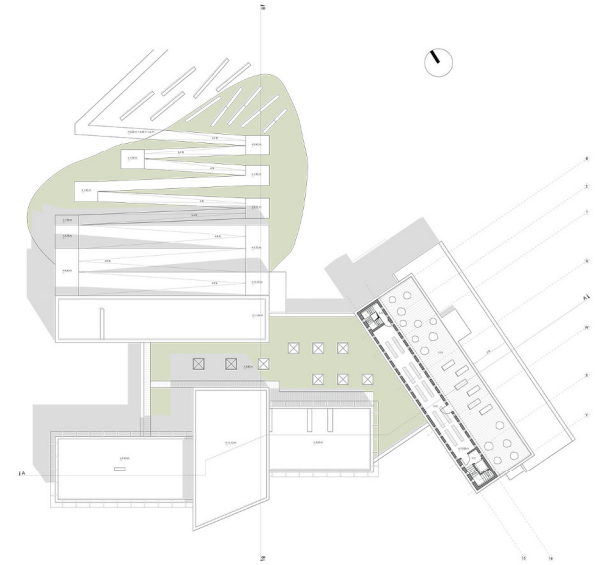




/first floor plan/



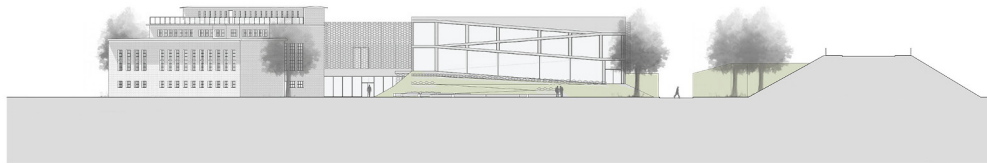
/second floor plan/



/third floor plan/



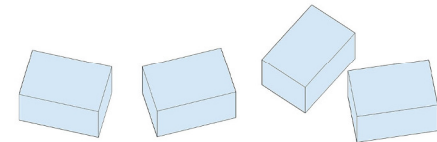
/south elevation/



/north elevation/



/east elevation/



/cubic concept/

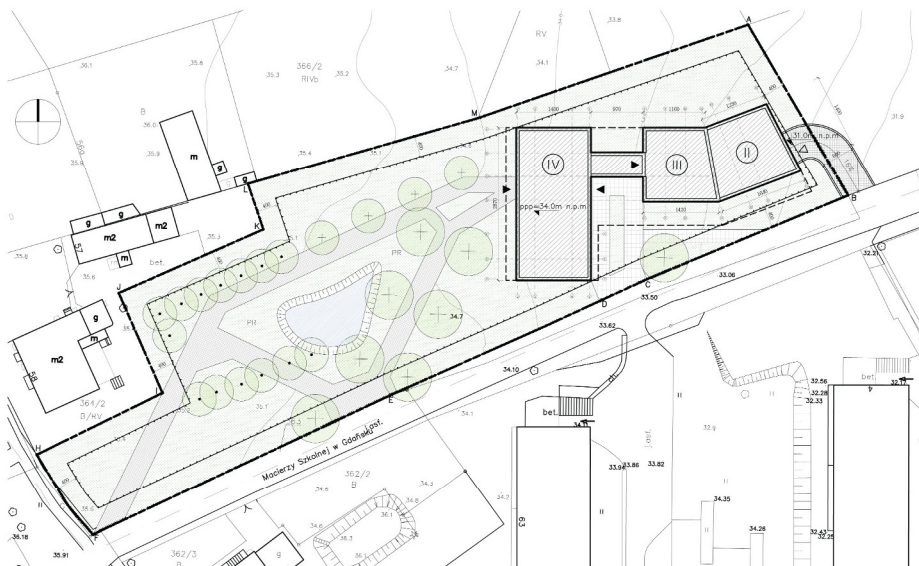


2 STUDENT ACCOMMODATION

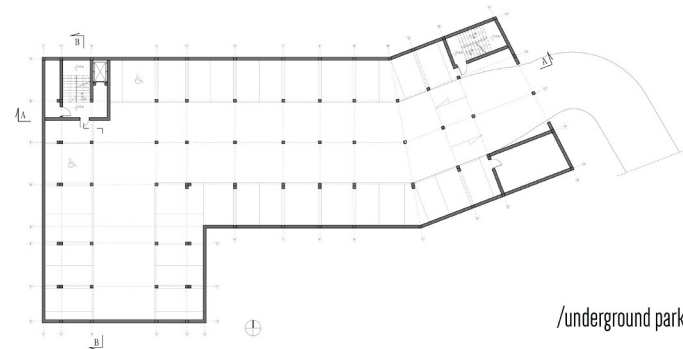
polanki street, gdansk oliwa

bachelor's final project

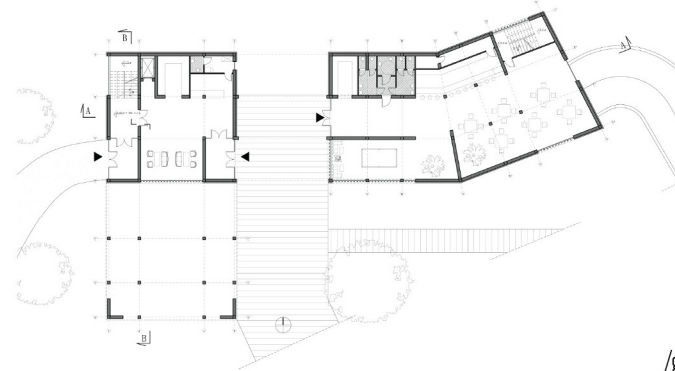




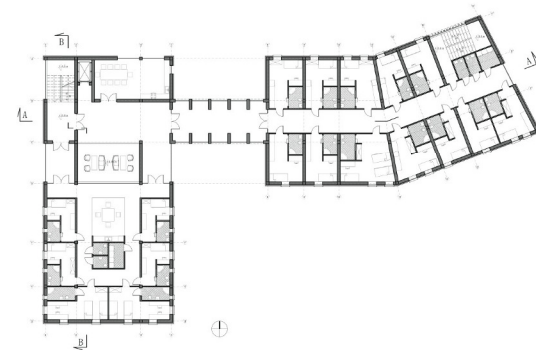
/site plan concept /



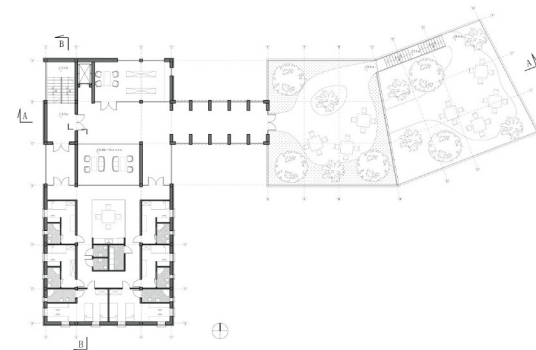
/underground parking plan/



/ground floor plan/



/first floor plan/



/third floor plan/

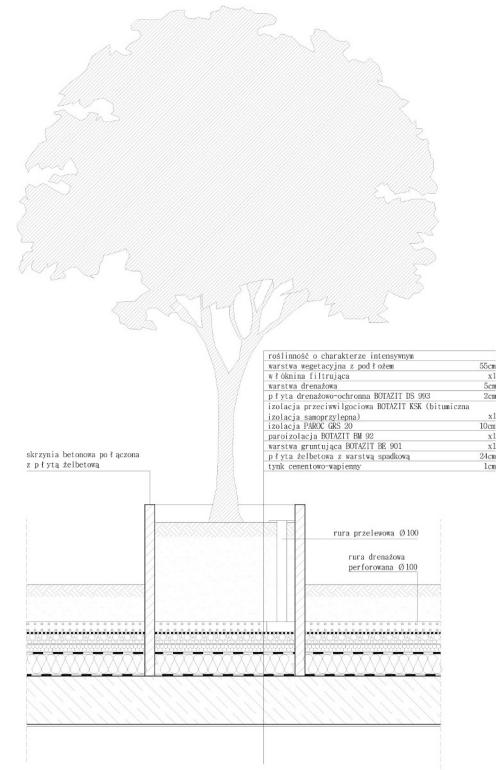
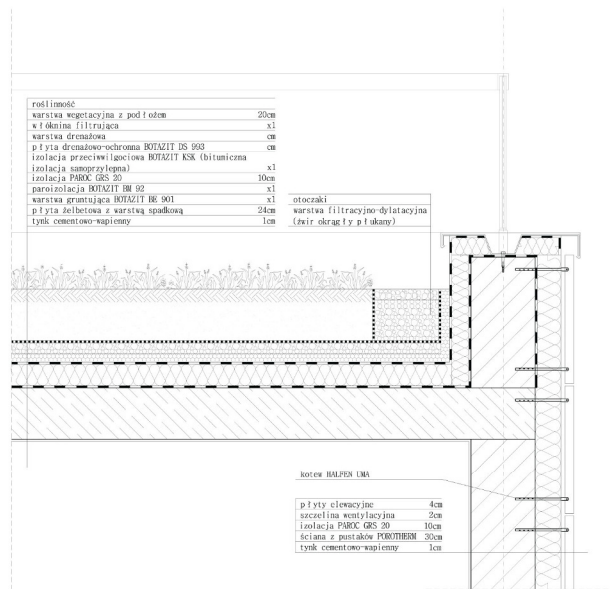
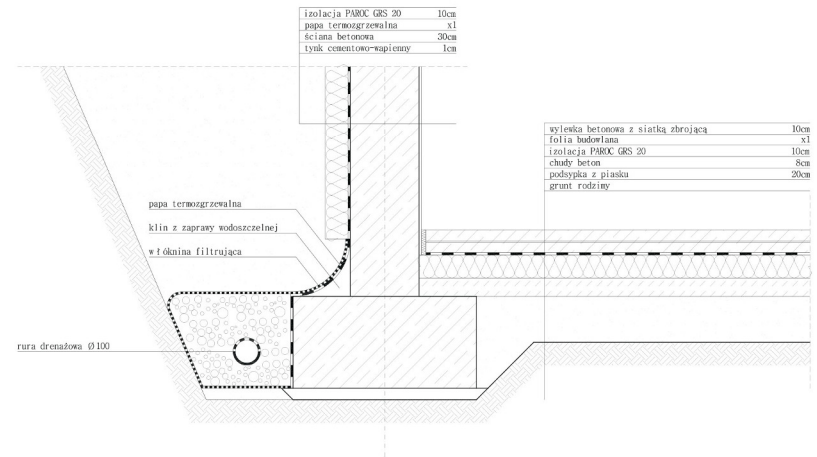
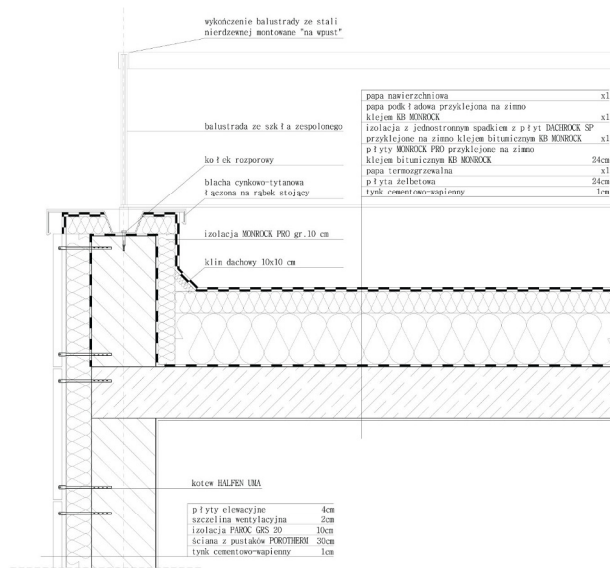
DESIGN CONCEPT

I decided to locate the new building, which exists as student accommodation, within the vicinity of Gdansk Przymorze's current existing buildings. One of the main ideas was to create a form that would constitute a closure of the composition created by the existing buildings.

The designed building was divided into two forms connected to each other by the glazed hyphen. The functional program is very clear - the ground floor of the first building consists of the reception hall, cloakroom and social room. The first floor, second floor and third floor were designed for student rooms with some additional functions like reading rooms, a gym and large dining rooms. The second form is composed of a big social bar on the ground floor and student rooms on the upper floors.

In this project I tried to focus mostly on the problem of green areas due to their currently neglected state. The western side of the development area is composed of greenery and recreational areas. The existing rows of trees have been preserved. The high green areas were supplemented by new plantings. The building roofs became green terraces with low trees growing in concrete filter boxes.

The primary purpose of the project was to implement terraced buildings with green, recreational spaces for students.



3

FILM SCHOOL

redlowo district, gdynia

collaboration: Ewa Krzewicka, Agnieszka Krawczyk

student competition





DESIGN CONCEPT

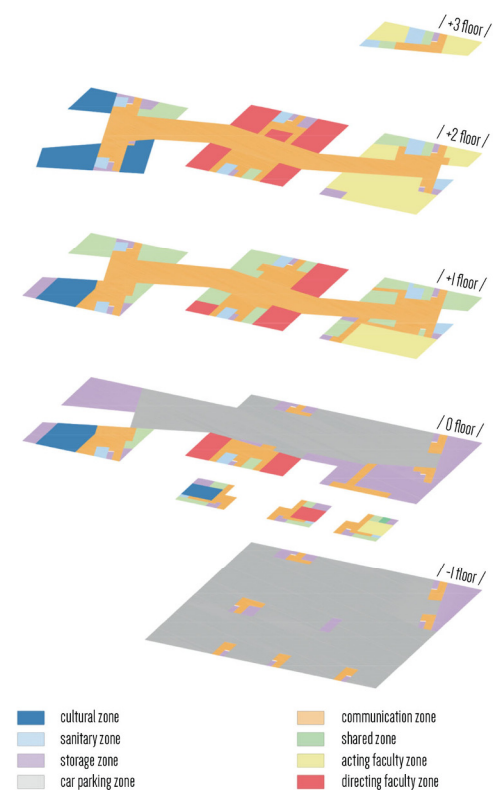
The designed building is located in Gdynia Redlowo, on a plot that has been of extreme interest to architects and investors for many years. The primary reason for this is due to its size and attractive location, which sits close to Tricity Landscape Park and Kacza River. The primary aspect of the building plan was created with hope to portray different elements of movie genres.

An orderly series of buildings connecting to the glass gallery, which was designed to imitate the reflection of a movie projector through providing maximum light, serve as a communication and meeting area for students.

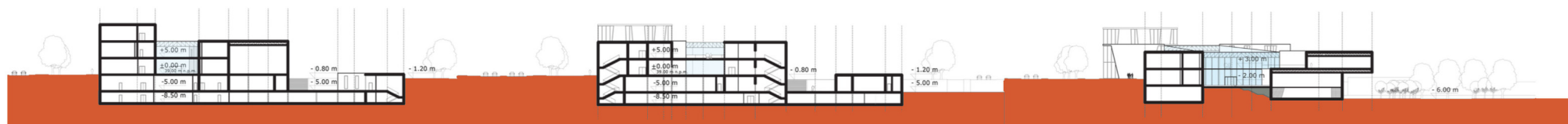




/site plan concept/



/zone scheme/



/section 1-1/

/section 2-2/

/section 3-3/



/section a-a/

/east elevation/



/+1 floor plan/



/north elevation/

/west elevation/



/+2 floor plan/



/+3 floor plan/

/south elevation/



tech. room
communication
tech. room
communication
tech. room
tech. room
store room
tech. room
store room
tech. room
tech. room
communication
tech. room
tech. room
audio studio
tech. workshop
lodge
communication
tech. room
sanitary
vocal room
directing room
audio studio

store room
dark room
cloakroom
photographic studio
wardrobe
tech. room
communication
storeroom
cloakroom
green-box
wardrobe
tech. room
communication

communication
cloakroom
tech. room
storeroom
wardrobe
movie-hall

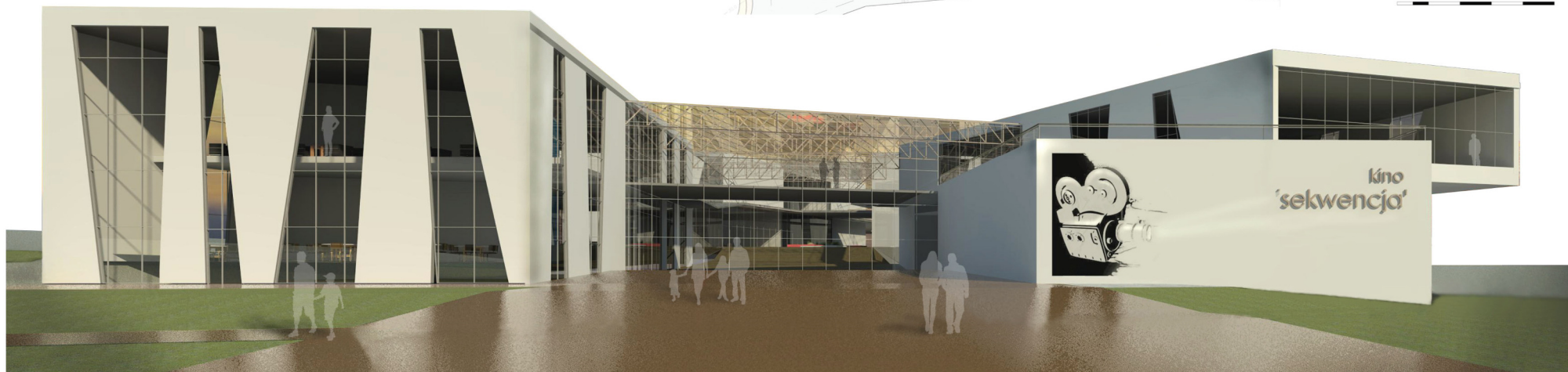
buffet
box-office
tech. room
tech. room
sanitary

cinema

directing room

0 floor plan/

/0 floor plan/



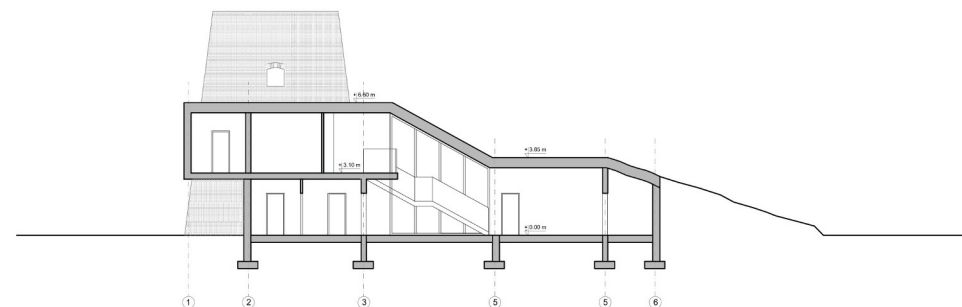
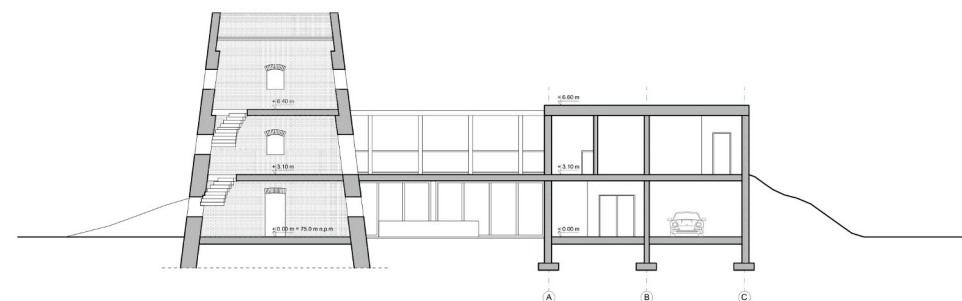
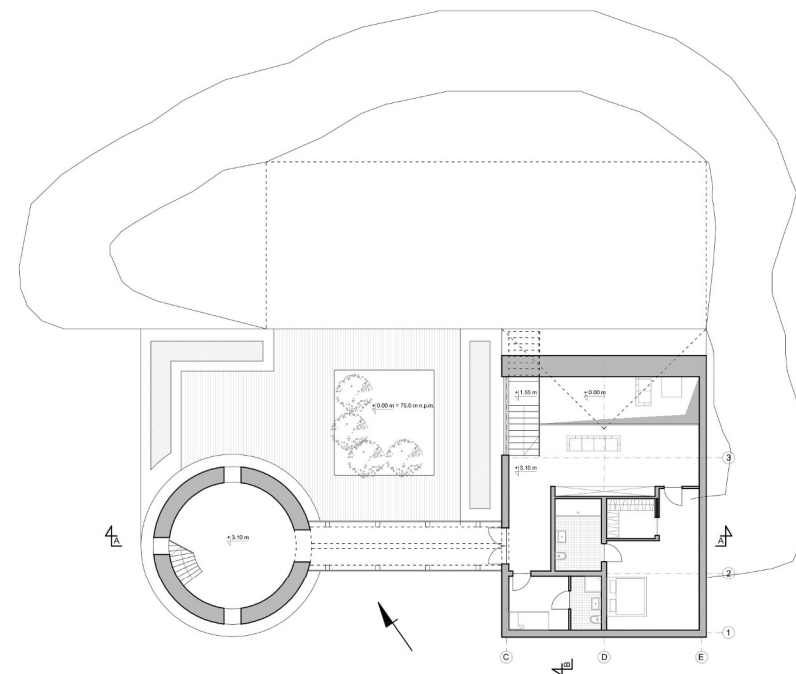
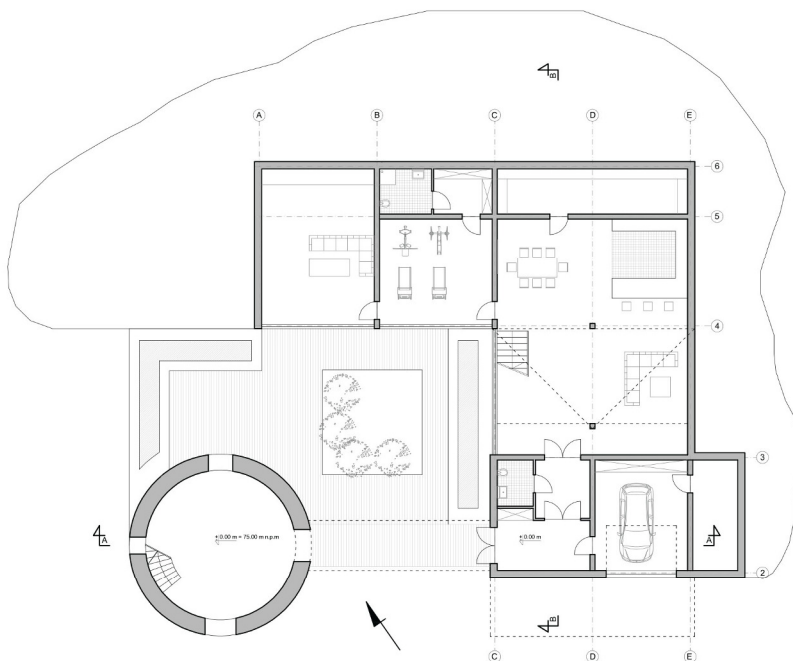
ORIGINAL WINDMILL EXTENSION

puzyce, pomerania

conservation design

4



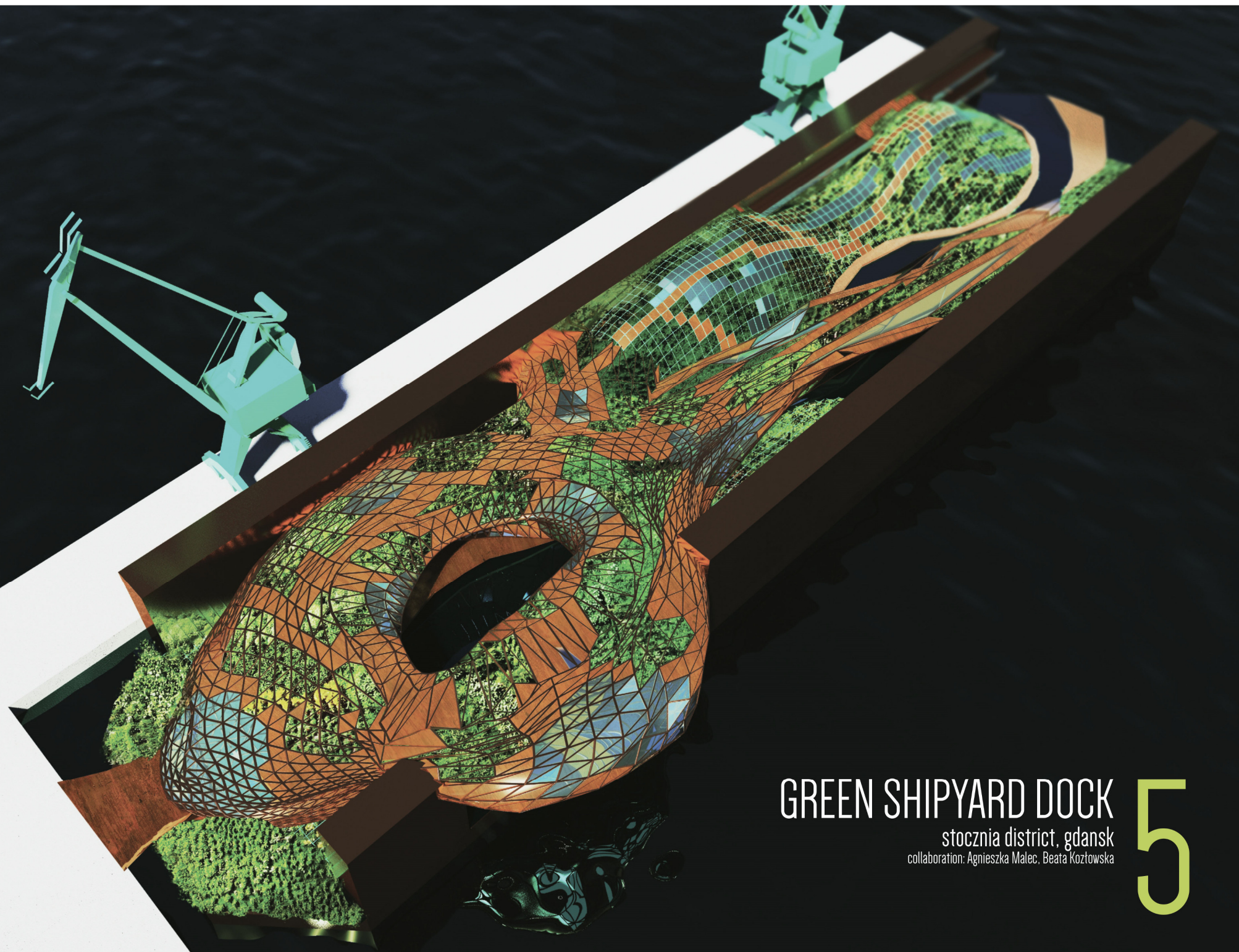


DESIGN CONCEPT

The original dutch windmill, which was created in the late 19th century, is located at village called Puzyce in Pomerania, Poland. During World War II, the roof and propellers were totally destroyed, leaving only the white-brick body left, which exists now as a historical architectural element of the village.

Extended on to the original windmill is my design project, a single-family house. The main purpose of the project was to create a form that would cooperate with the existing idyllic landscape. To emphasize its location I decided to integrate the whole building with green fields and forestry by using green-grassed sloping and natural materials, e.g. wood. Between the new form and existing windmill I created a central courtyard which would be a great place for barbeques and outdoor meetings during the summer. The original windmill's structure has not been violated through the design process. It has been connected to the new structure by the steel hyphen. The main objective was to treat the existing building as a part of the history; the sculpture, as a viewpoint.

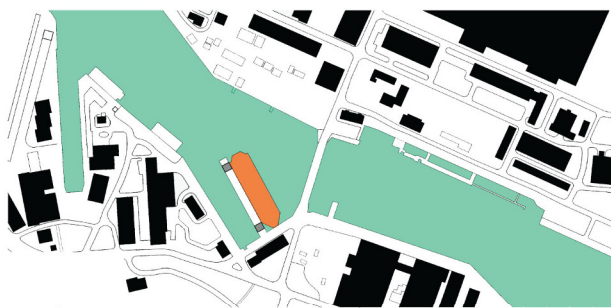
The functional scheme was designed to be clear and simple. The ground floor of the extension consists of common areas used during the day: living room, kitchen, dinning room and additional rooms such as a gym and indoor barbeque space. The first floor contains bedrooms and two bathrooms.



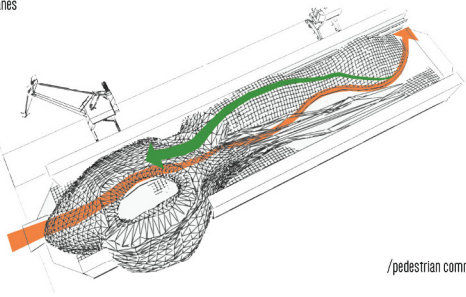
GREEN SHIPYARD DOCK

stocznia district, gdansk
collaboration: Agnieszka Malec, Beata Kozłowska

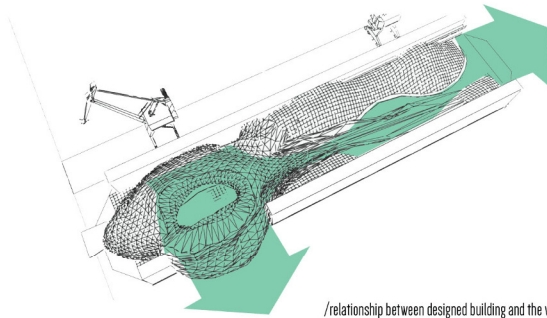
5



- water
- existing buildings
- existing dock
- existing cranes



/pedestrian communication/

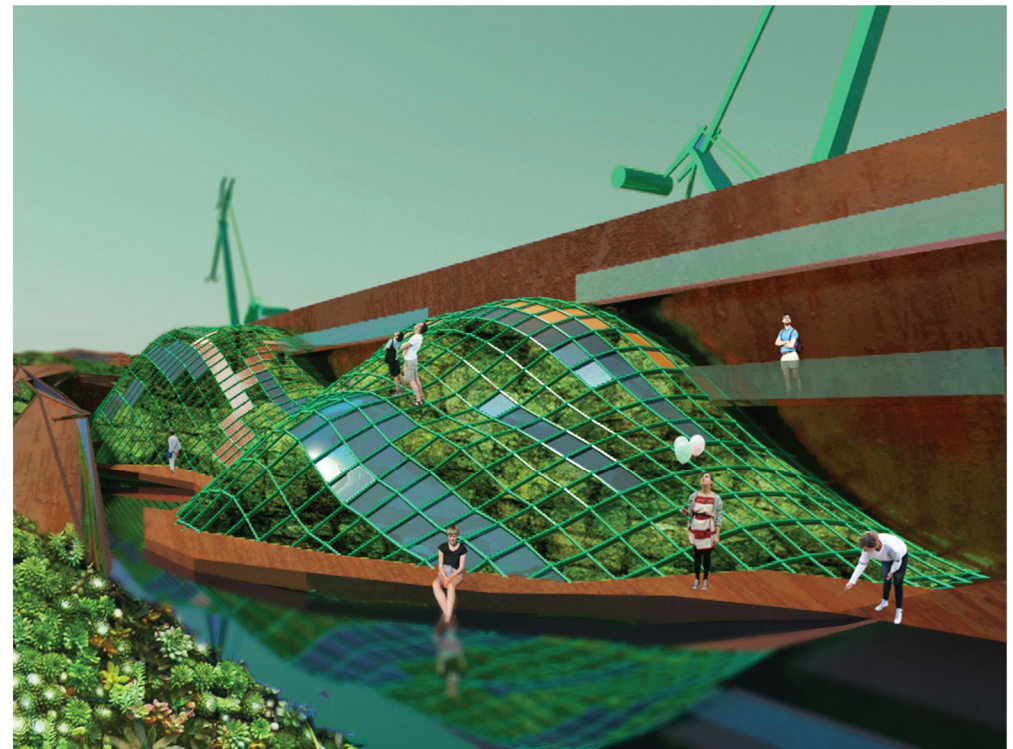


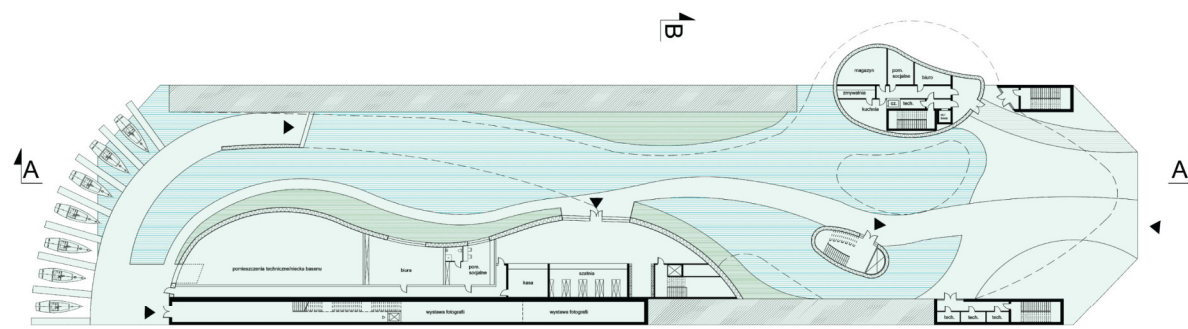
/relationship between designed building and the water/

DESIGN CONCEPT

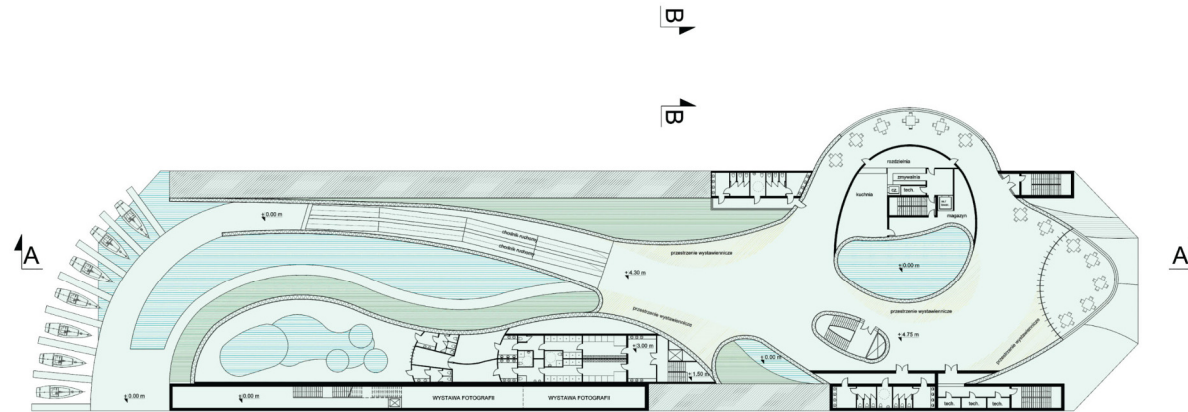
For this project, a floating dock, that is currently located at Gdansk Shipyard, was converted to the 'green island' for primarily recreational functions. The design itself allows maximum communication between the different levels of the dock, and the bright, contrastic colours provide maximum visibility, coupled with a touch of nature.

Within the organic model, there are exhibition spaces, which include an information centre and a restaurant. The design uses a representative glass staircase at the main entrance, which is one of the fundamental structural elements of the building. The swimming pool implemented within the design was shaped to portray green hills. The structure is covered with panels of rusted metal, glass elements and greenery.

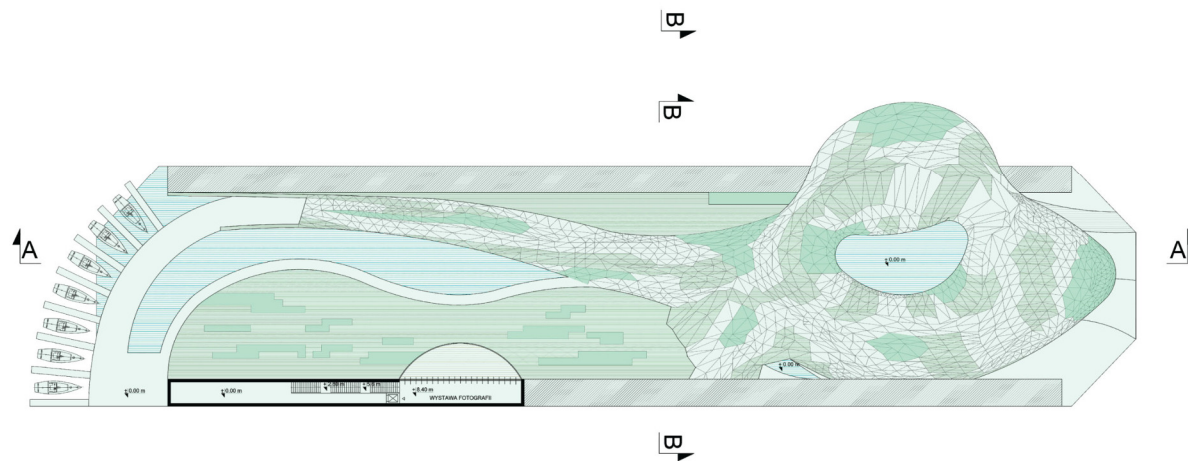




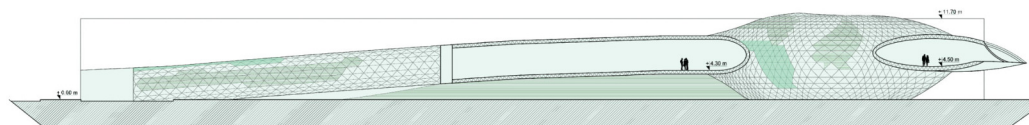
/ground floor plan/



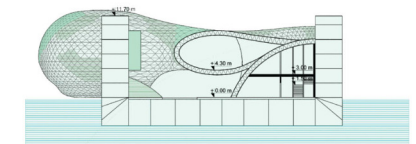
/first floor plan/



/second floor plan/



/section a-a/

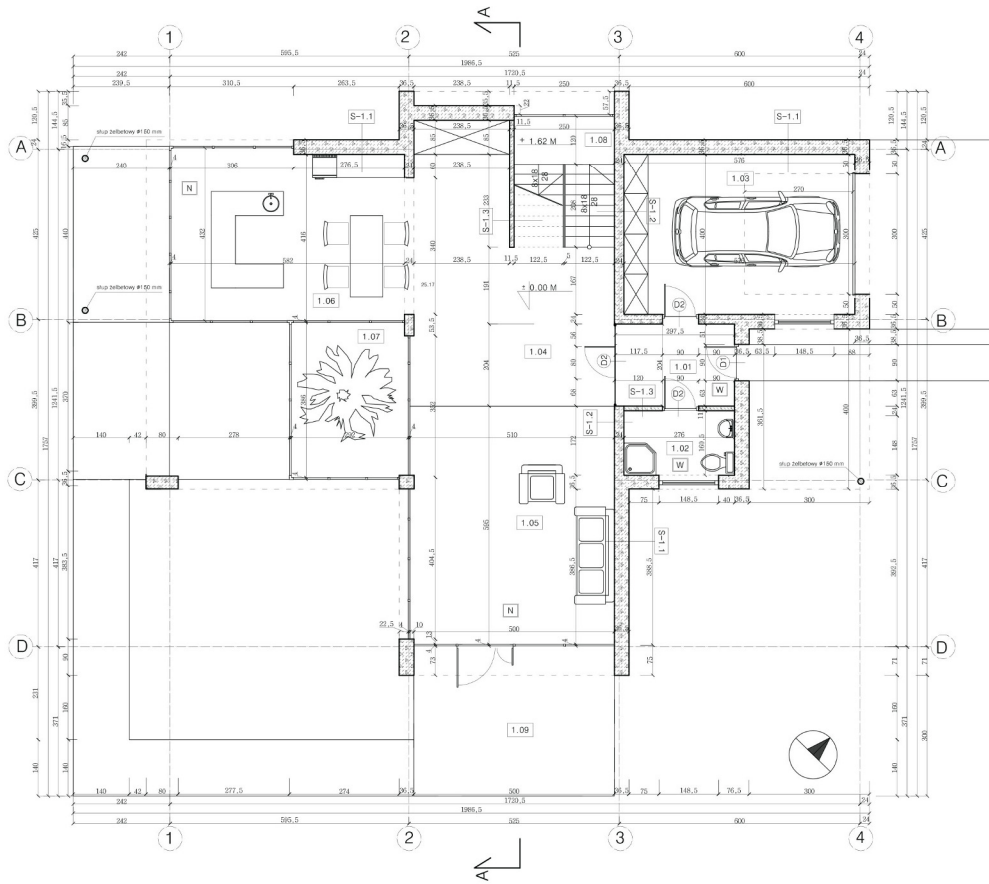


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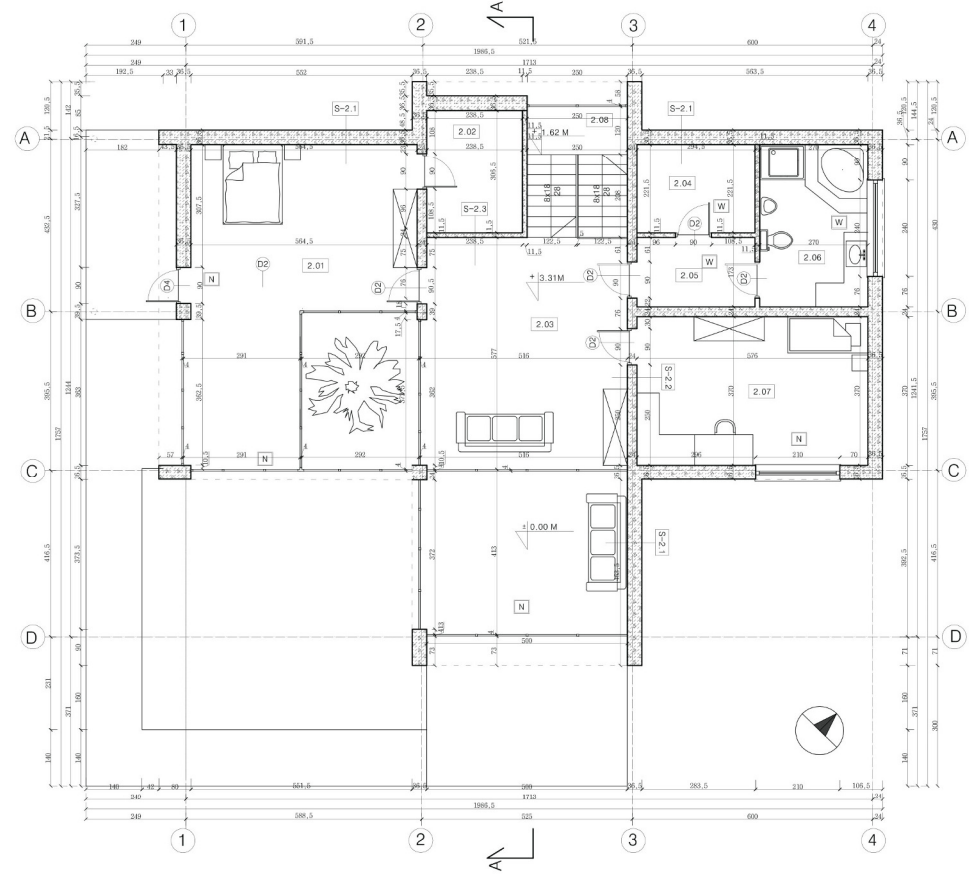


SINGLE-FAMILY HOUSE
rumia, pomierania

6



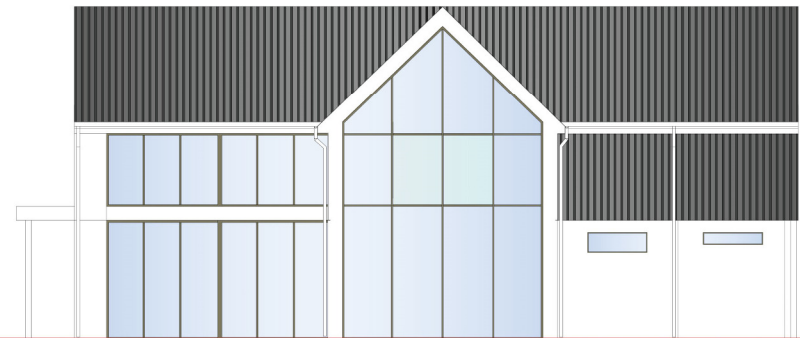
/ground floor plan/



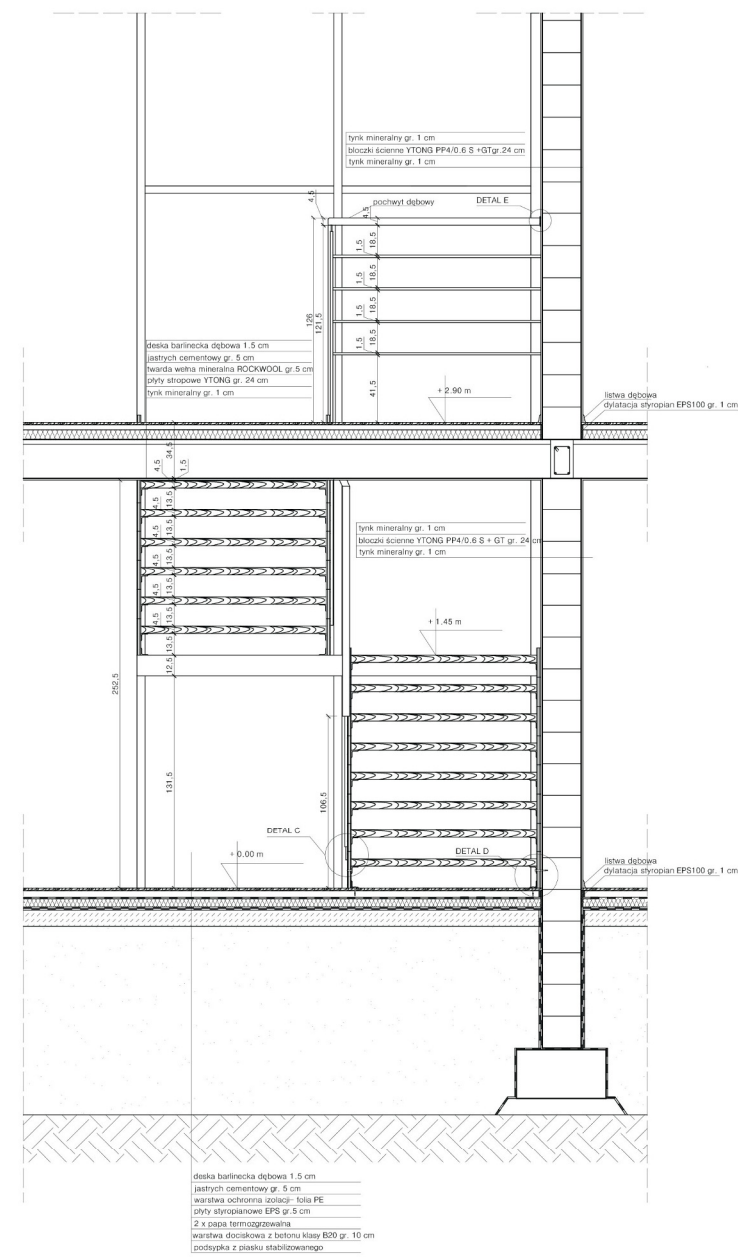
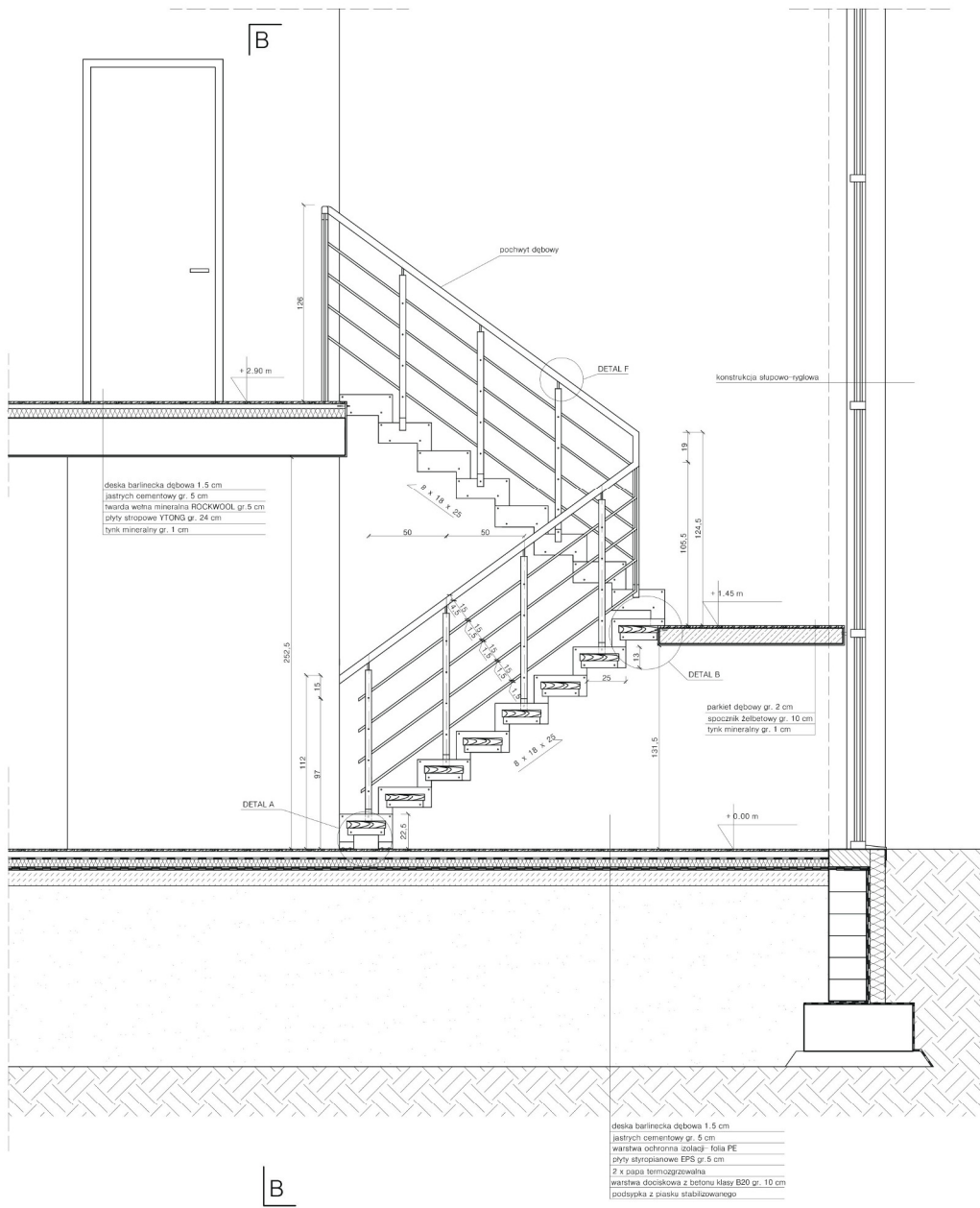
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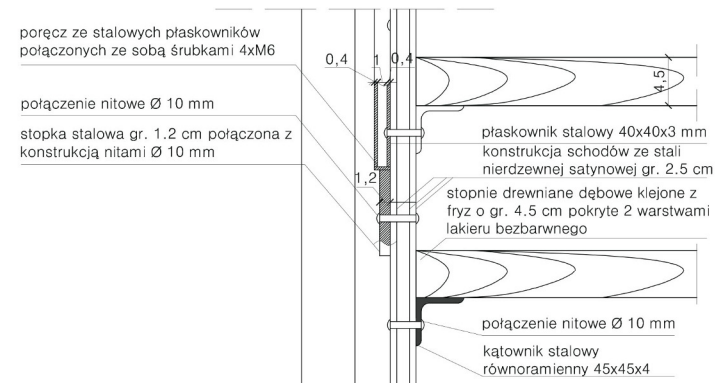
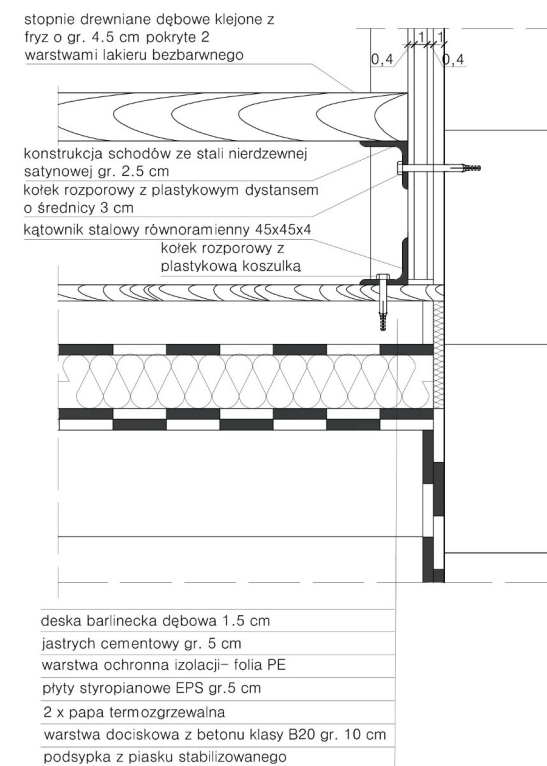
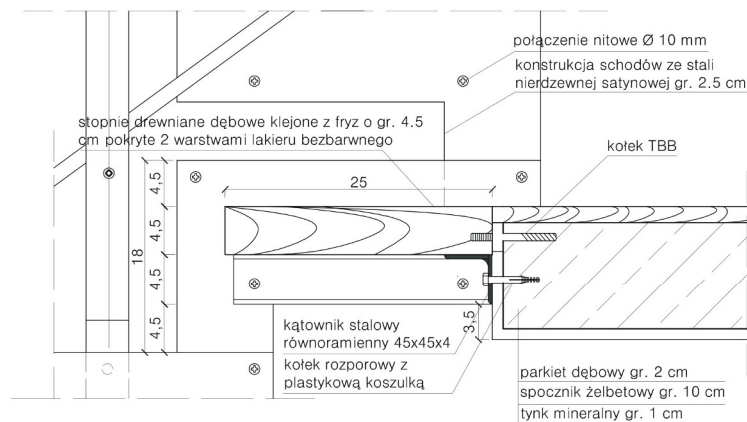
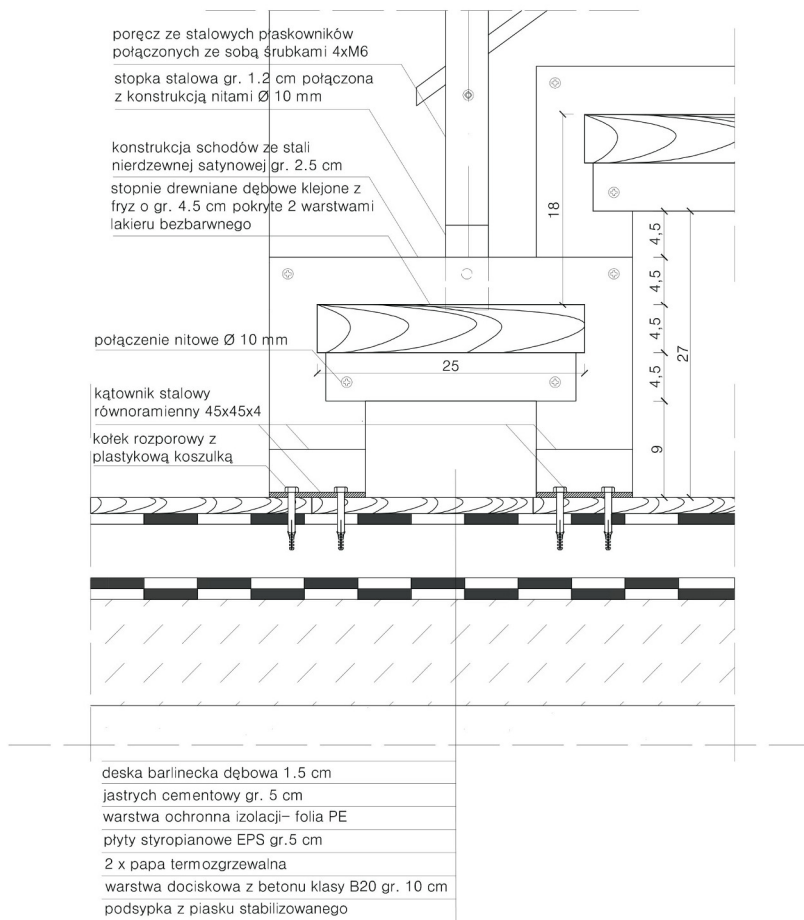
DESIGN CONCEPT

The design aspect of single-family house revolves around providing maximum comfortability for the family for three that will inhabit it. Most notable would be the large amount of curtain walling, which provides sunlight and sociability. Parallel to this, the winter garden compliments the curtain walling by allowing the family to feel closer to nature in the comfort of their home.



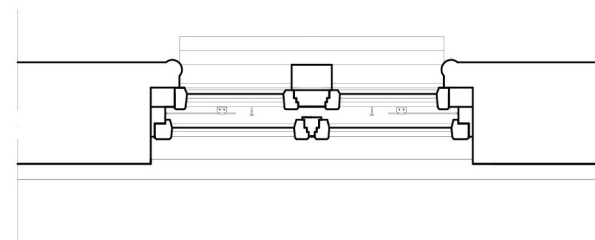
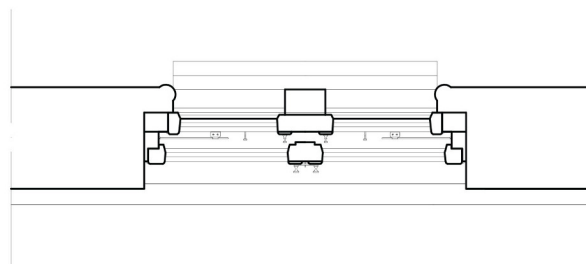
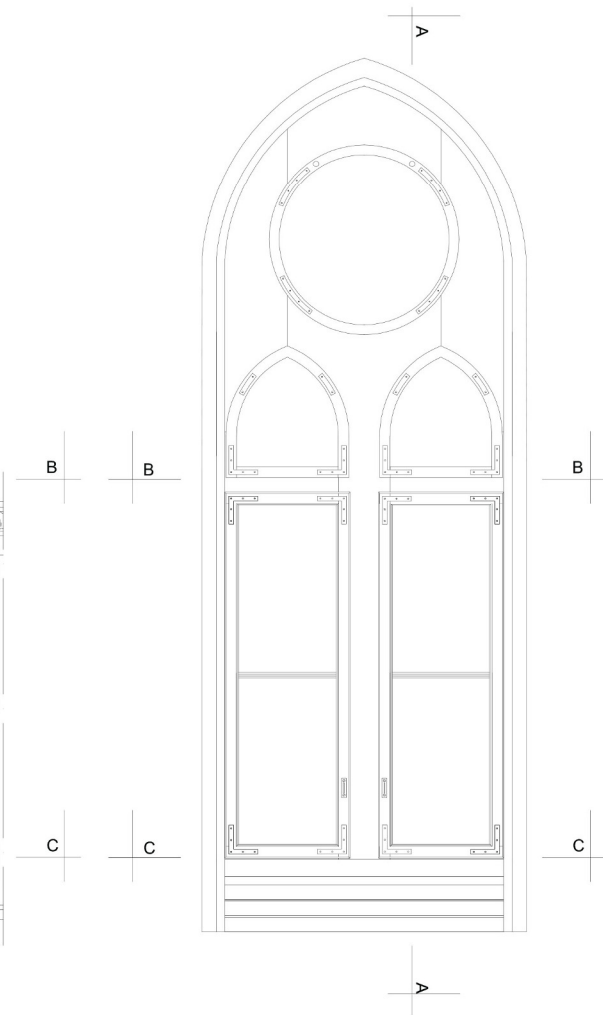
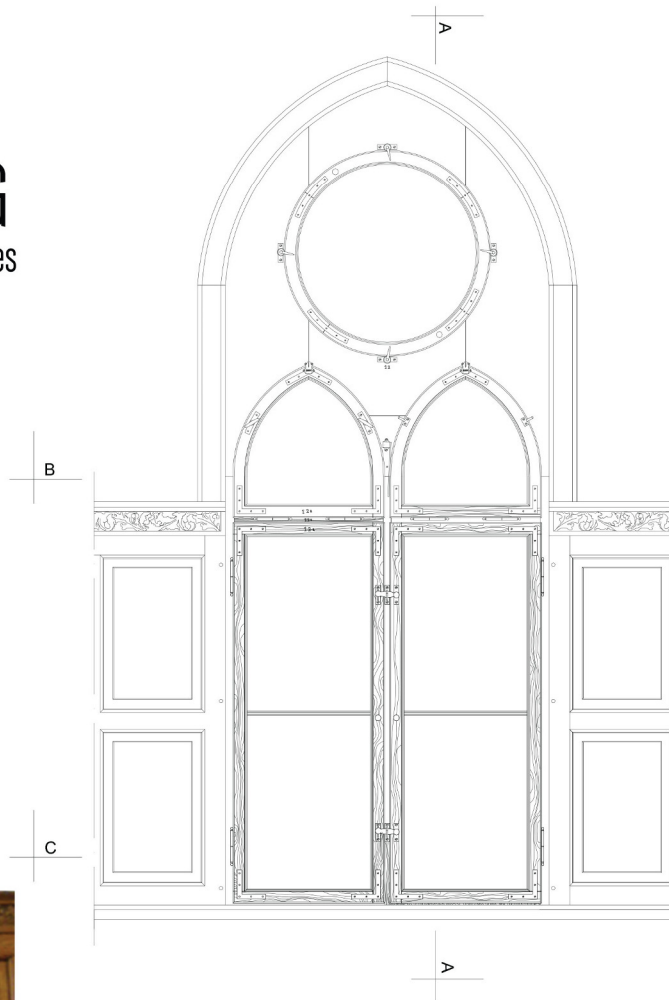
/south elevation/





7 WINDOW STOCKTAKING

the gdansk library of polish academy of sciences
collaboration: Wioletta Krajniewska
conservation of monuments



8

UPHAGEN'S PARK

wrzeszcz district, gdansk

collaboration: Robert Kowalczyk

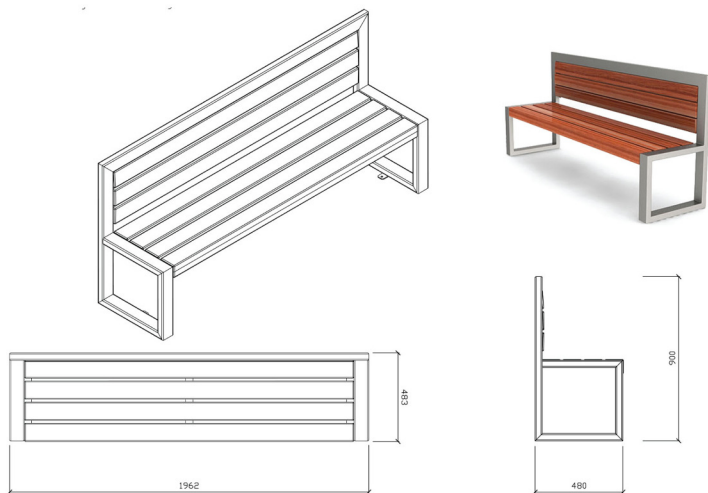
green restoration

DESIGN CONCEPT

Uphagen's Park in Gdansk Wrzeszcz, which was created in the late 18th century, is the primarily historical fragment of the former manor park complex. From the old baroque composition of the park remained only its rectangular outline and fragments of barely-visible alleys blossomed with chesnut and linden trees.

In this project new trees were suggested for the restoration of the old park composition. Alongside this, new pathways with small contemporary architectural elements would be created close to the reservoir.





/small architecture details/



/site plan concept/

kasia.kozakiewicz89@gmail.com