

SUSTAINABLE
ARCHITECTURE
DESIGN STUDIO
BRUSSELS WEST
STATION AREA

SUSTAINABLE ARCHITECTURE DESIGN STUDIO, MA-1
BRUFACE - ULB + VUB - 2017/2018

SDS-II PROJECTS 2017-18
SUSTAINABLE ARCHITECTURE DESIGN STUDIO

TEACHING TEAM:

AHMED Z. KHAN (COORDINATOR), CAROLE ASPESLAGH & GIULIA CATERINA VERGA (ULB)
HERA VAN SANDE & GEERT PAUWELS (VUB)

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MOLENBEEK SWIMMING POOL

STUDENT:
Alaa Mahdi

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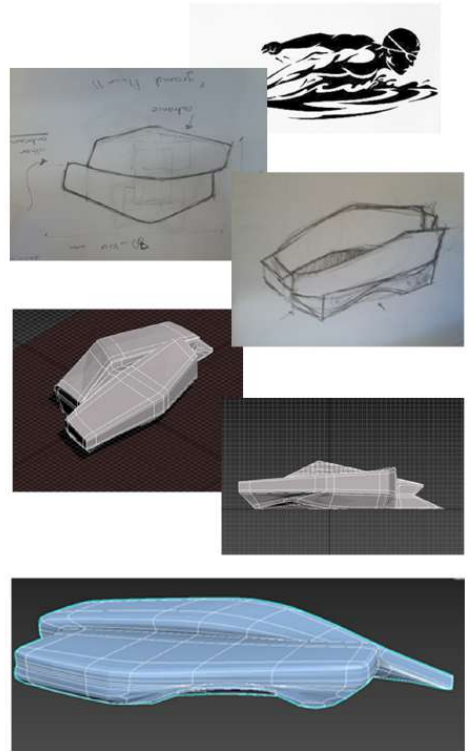




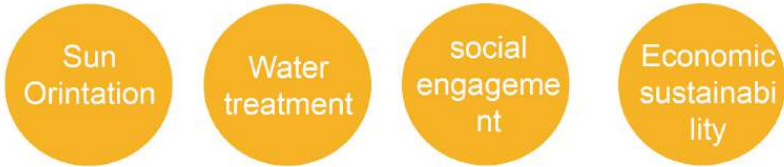
Program definition

- Entertainment
- Leisure activities
- Learning & Physiotherapy

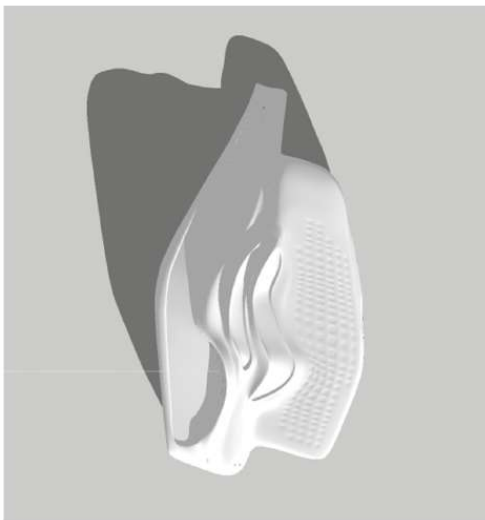
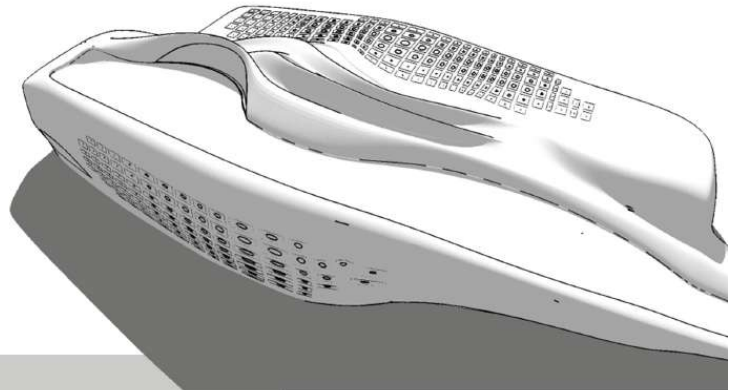
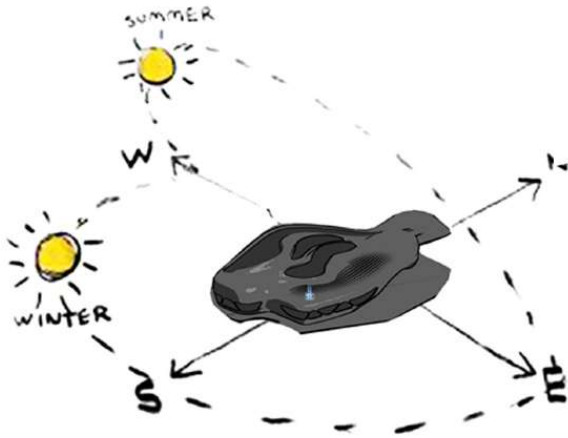
Geometry exploration



Swimming Pools



Sun study

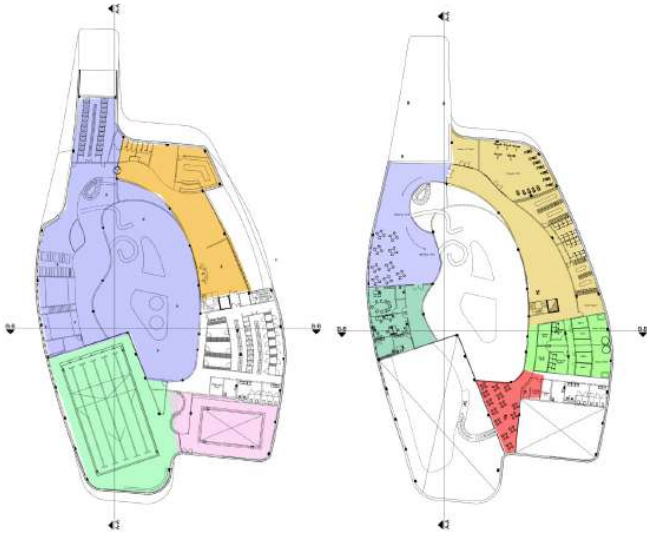


July / Summer



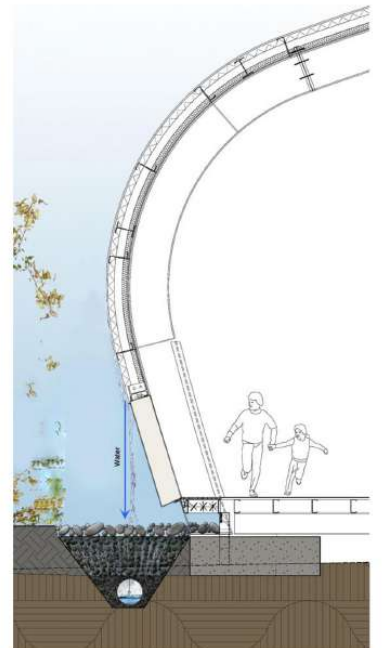
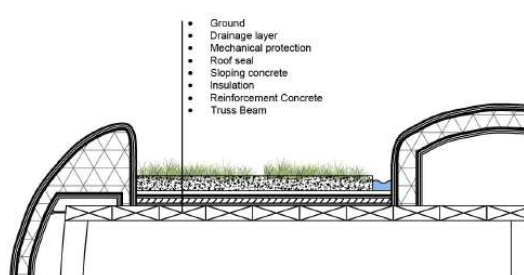
Dec/ Winter

Program



- Olympiad swimming pool Teaching pool
- Leisure lagoon & Leisure lagoon
- Resturant
- Leisure
- Administration

Rain Water

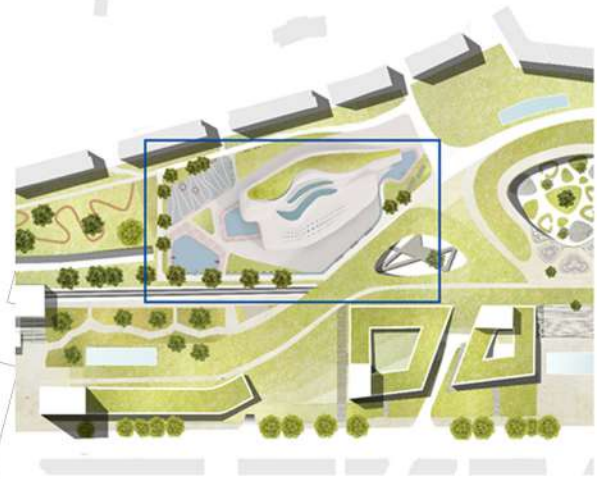


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Layout

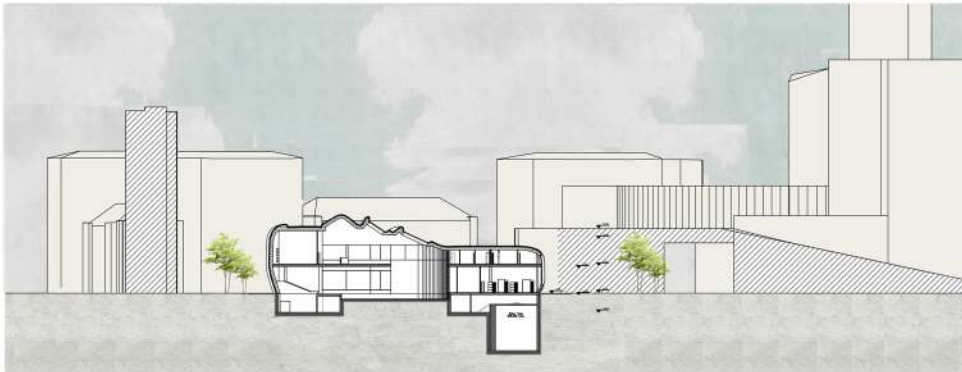


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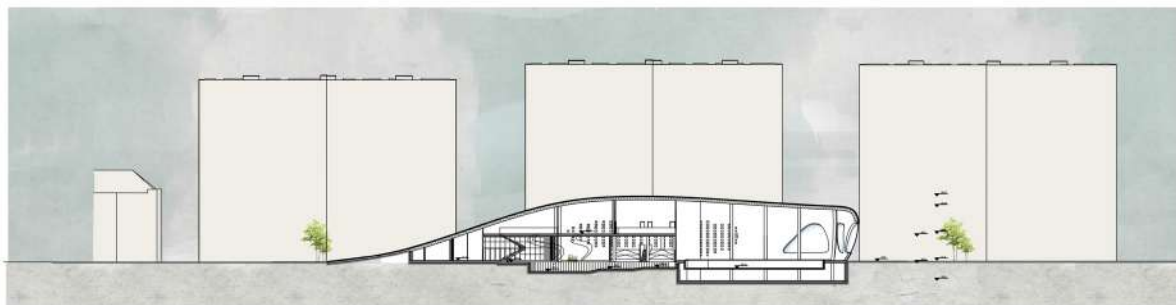


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Section with surrounding



Section B-B



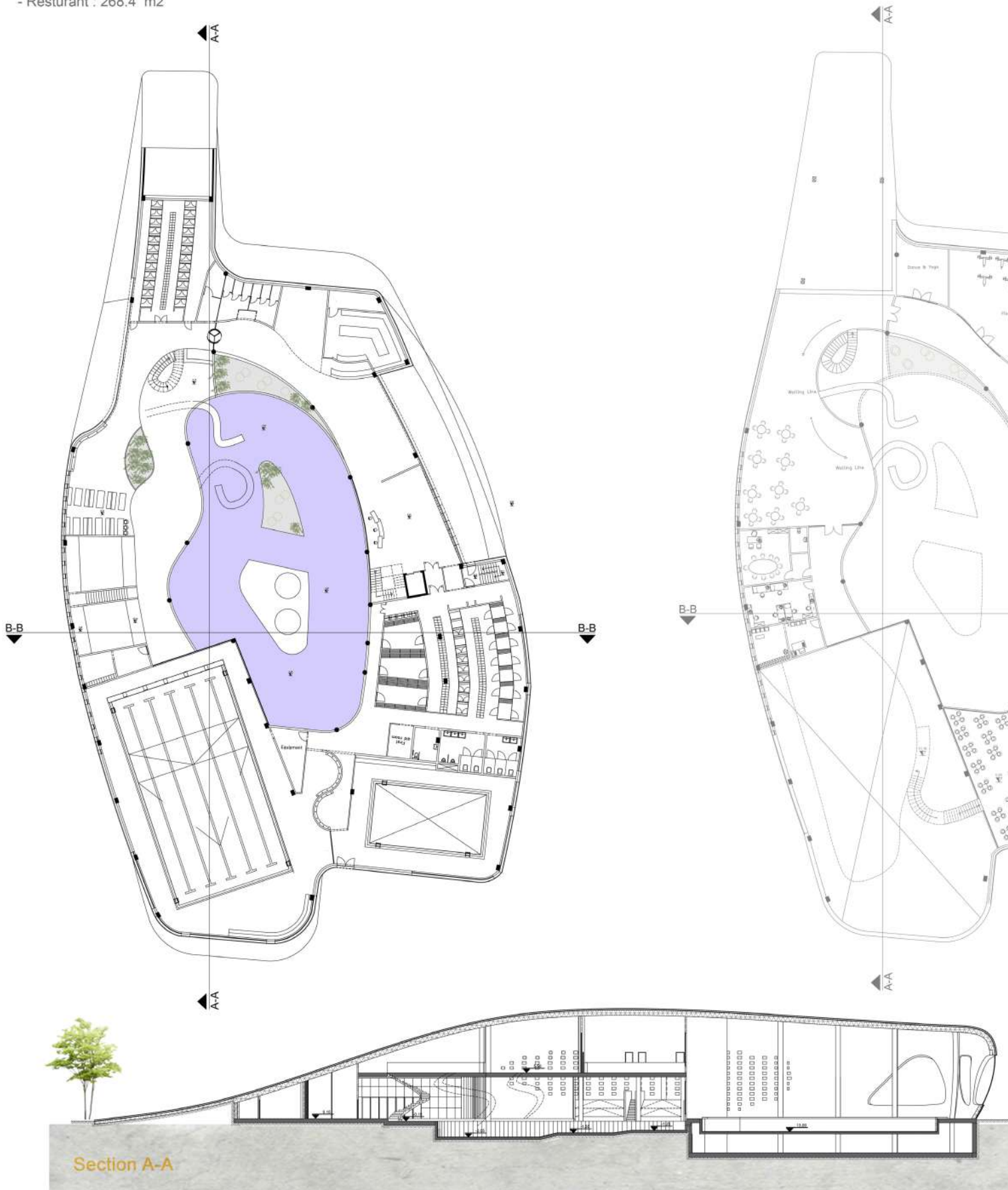
Section A-A

GROUNG FLOOR: 3333.72 m2

- Olympiad swimming pool : 13*25m
- Teaching pool : 8.00*12.50 mservices : 460.5 m
- Leisure lagoon: 668.8 m 2
- Indoor surfing arena: 107.3 m2
- Resturant : 268.4 m2

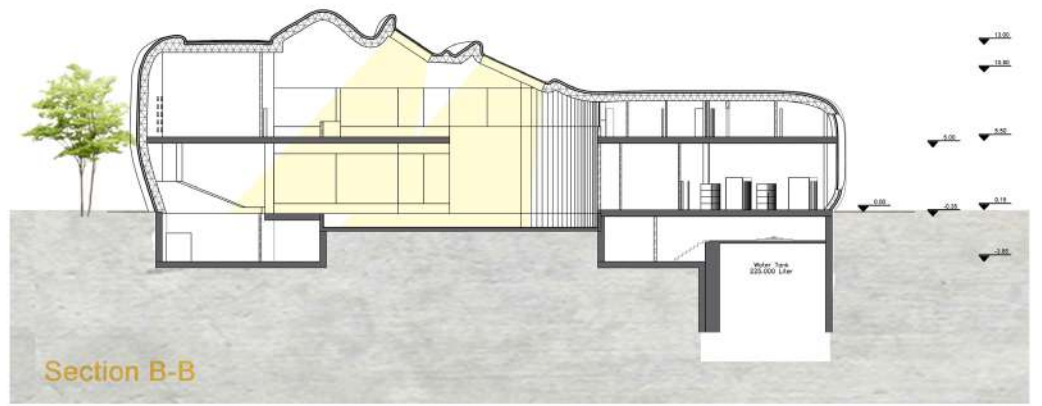
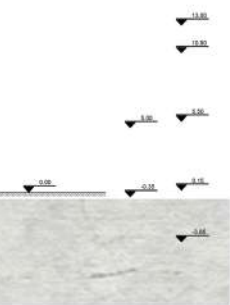
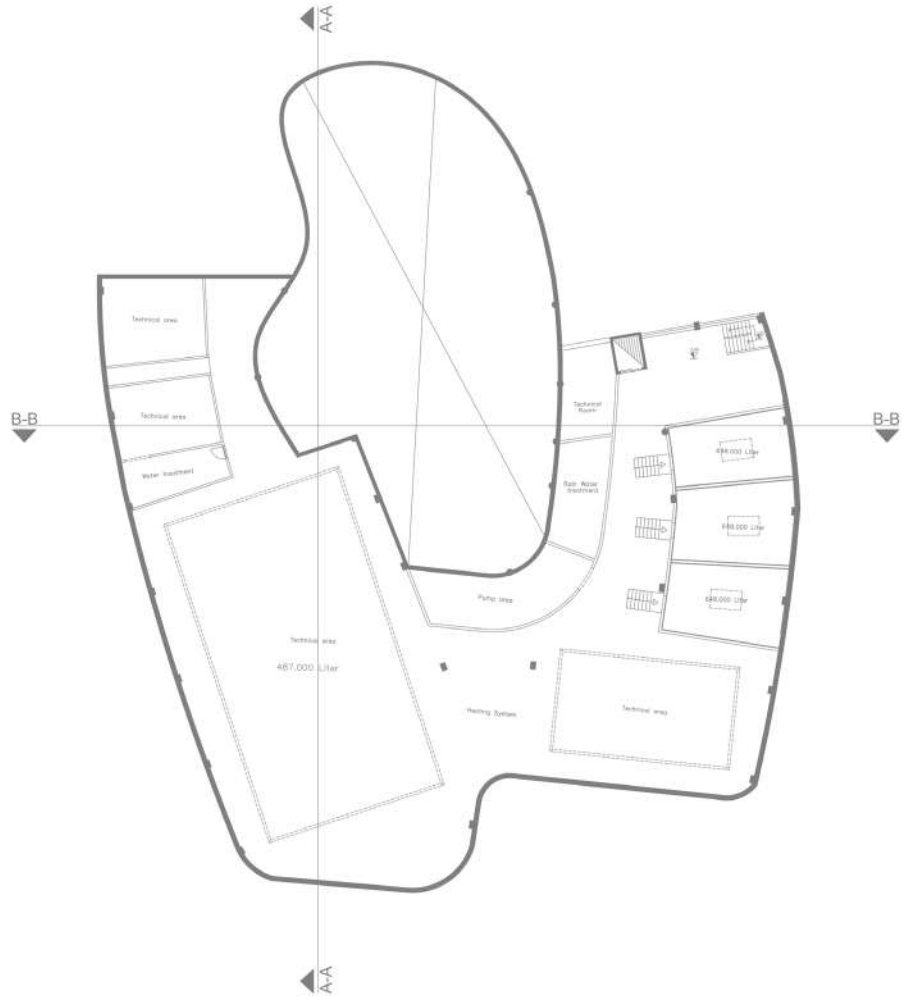
First FLOOR: 2482.15 m2

- Relaxing Zones:
Sauna, steam, fitness ,relax room: 1014 m2
Administration : 185 m2



BASEMENT: 1629.86 m²

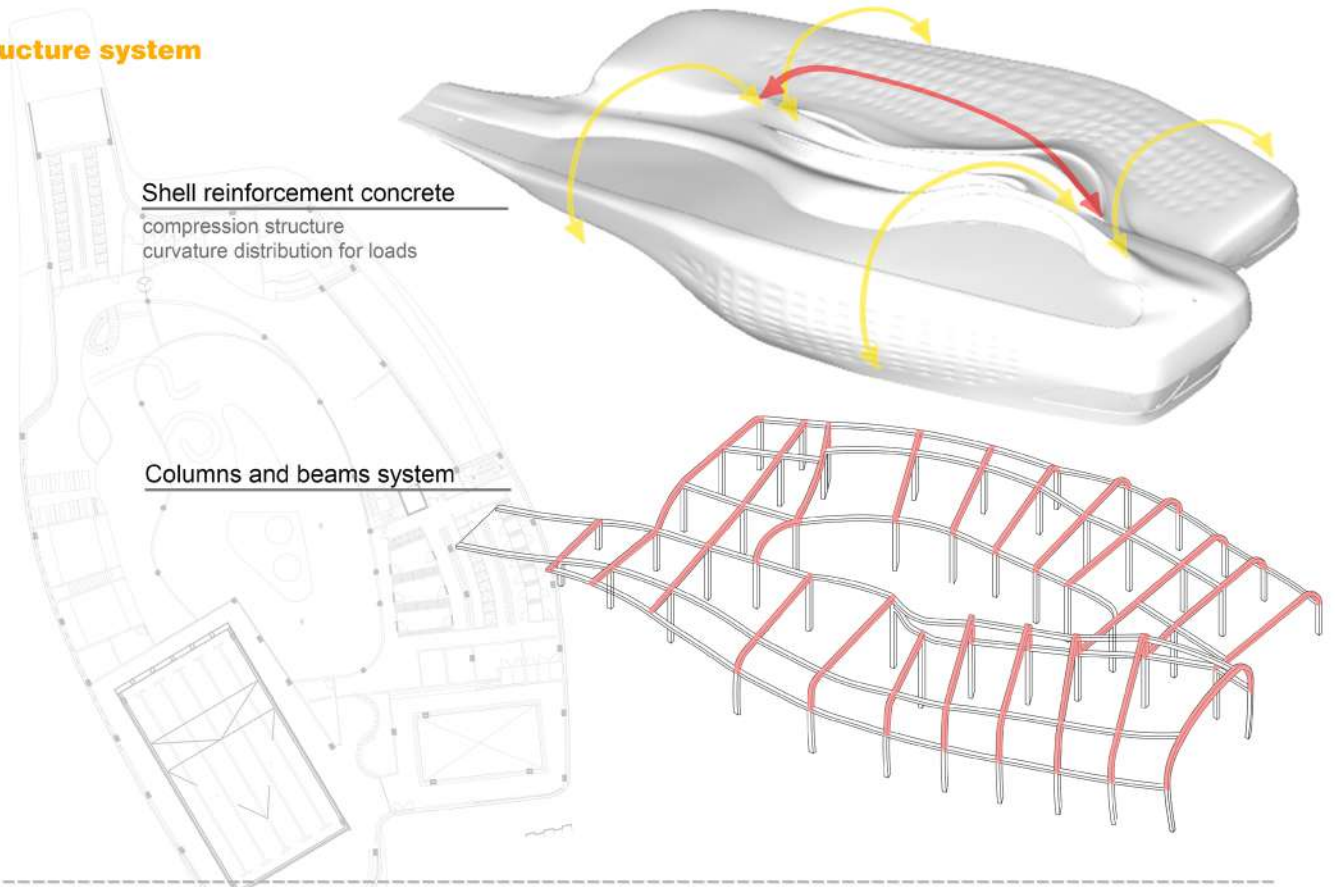
- Technical areas
- Pumps Rooms
- Heating system
- Rain water treatment
- 3 tanks : 648.000 Liter



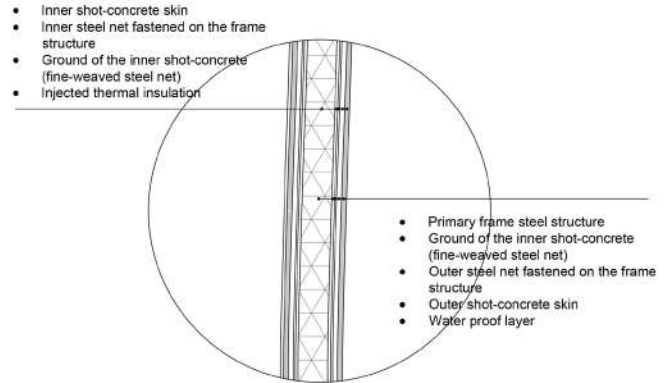
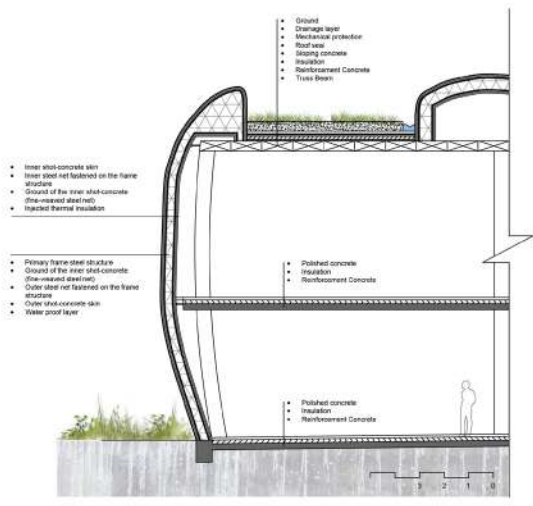
Section B-B

1 Structure and Material

Structure system



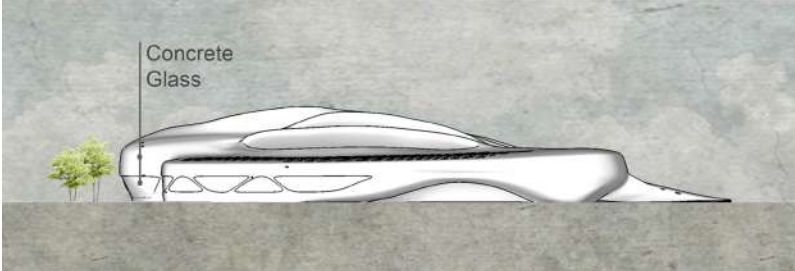
2 Material and Insulation



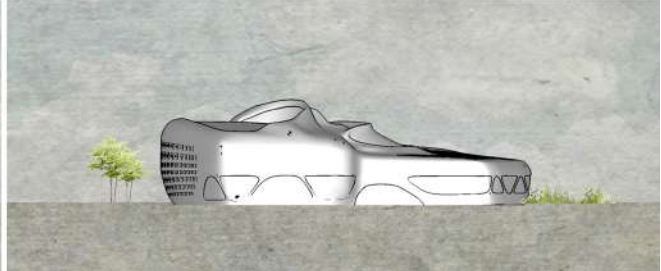
References



3 East Facade



South Facade





1.RENDERING 2.RENDERING 3.RENDERING

NAME OF THE PROJECT

STUDENT:

AAAAAA

FULL PAGE IMAGE OF THE PROJECT

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