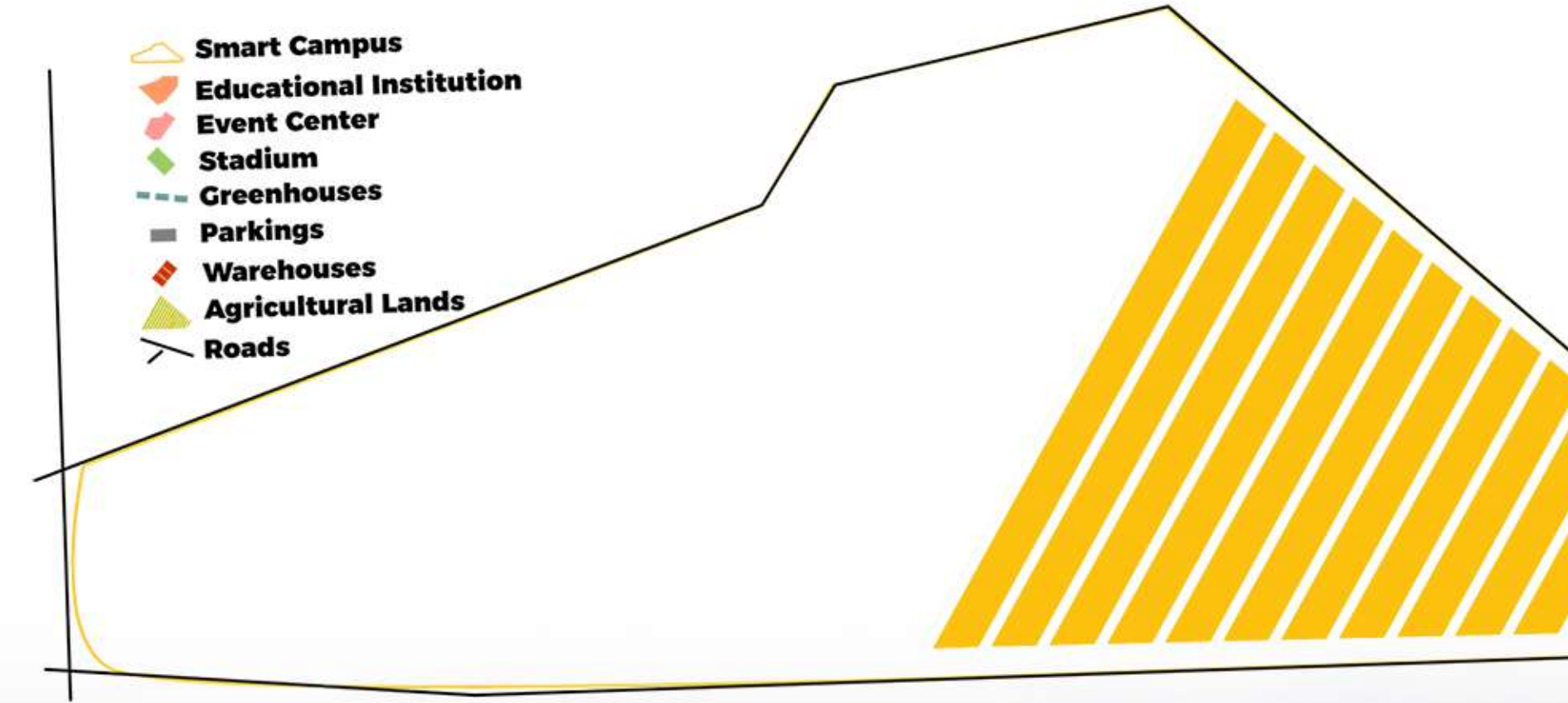




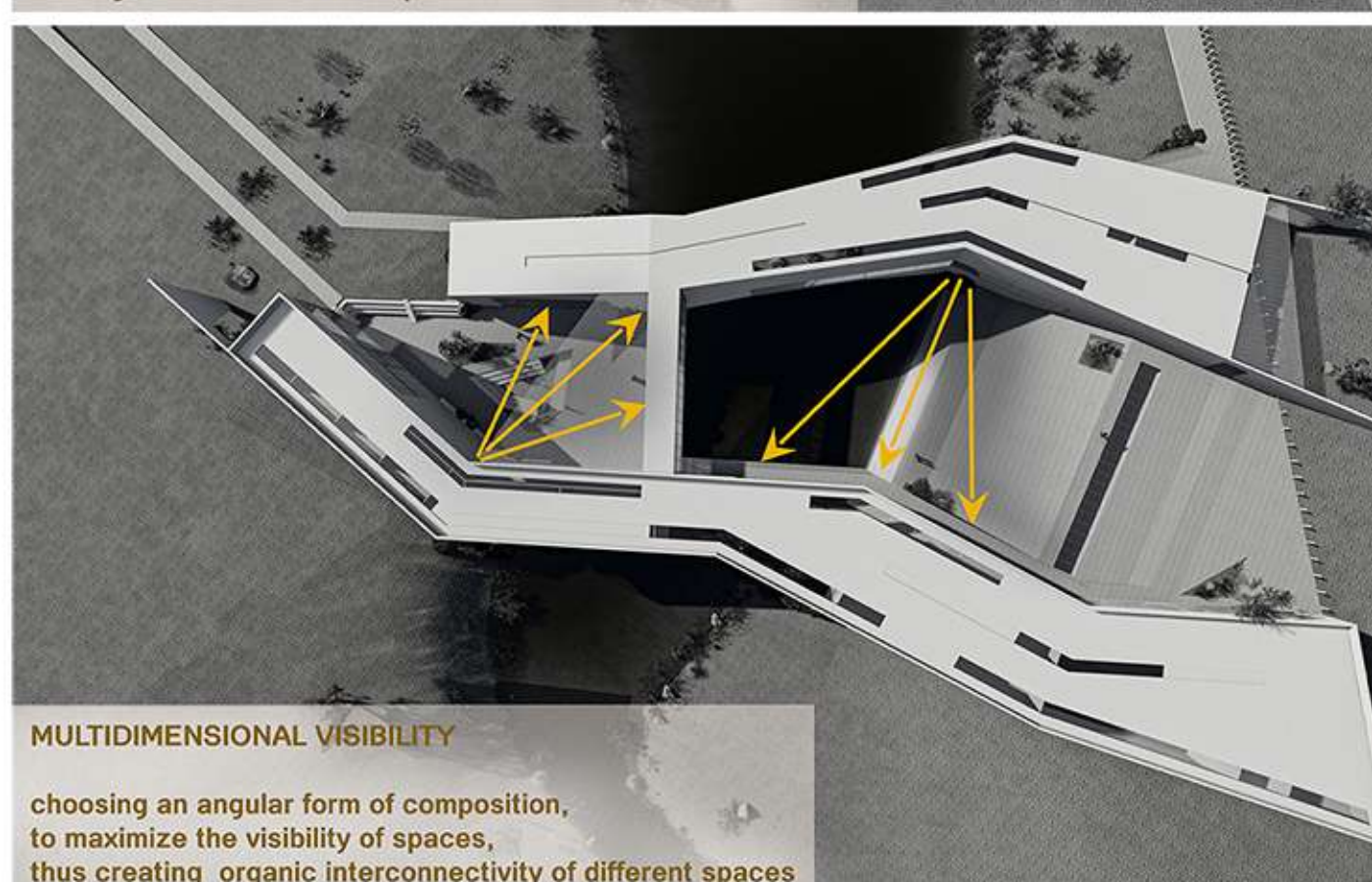
- Smart Campus
- Educational Institution
- Event Center
- Stadium
- Greenhouses
- Parkings
- Warehouses
- Agricultural Lands
- Roads



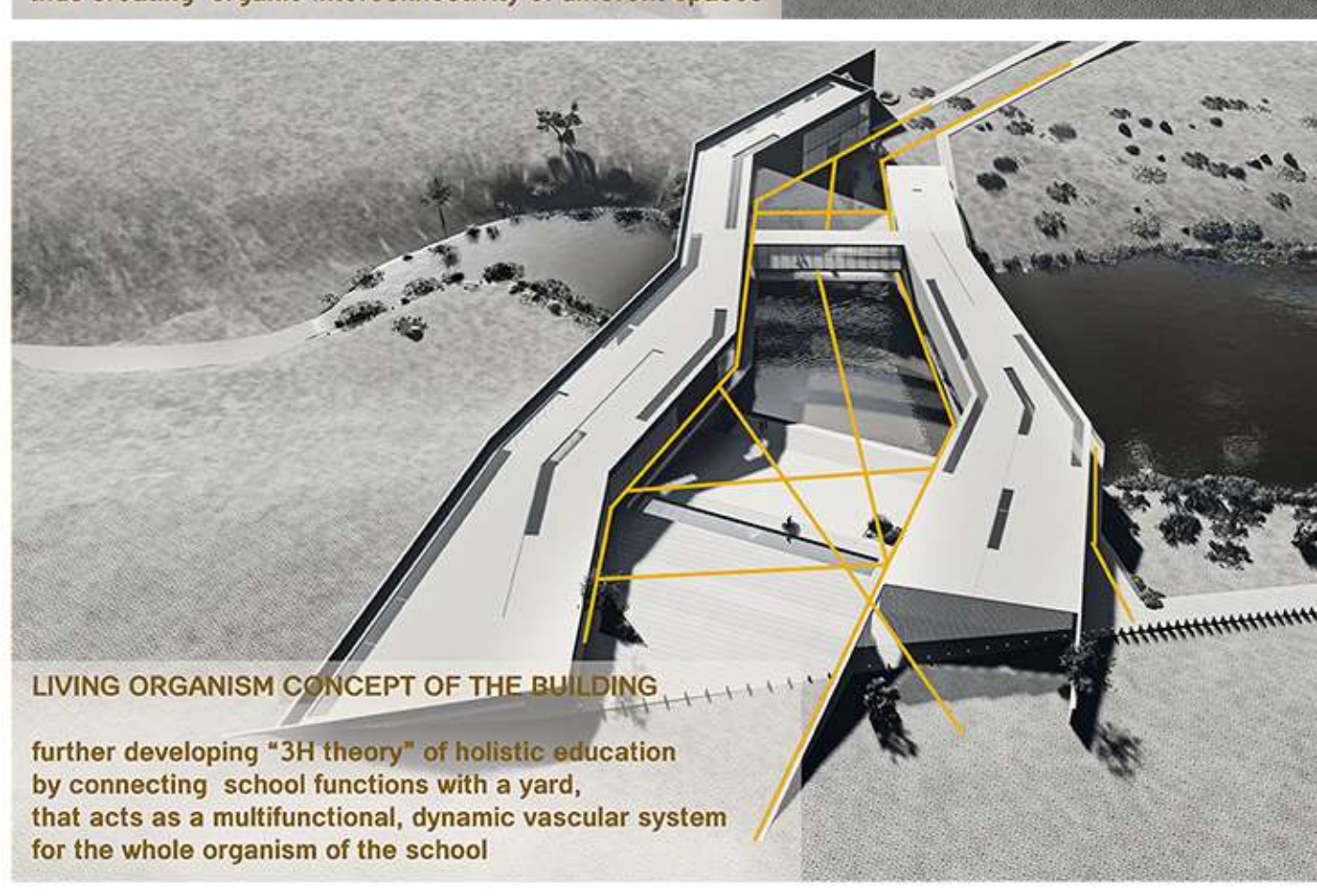
General Plan



WALKING FLOW DIAGRAM
A continual and organic scheme of walkways is designed adjacent to the central yard. Yet there are different entrances, so diverse school parts can act autonomously when needed. Guiding walls are used to emphasize the entrances to school.



MULTIDIMENSIONAL VISIBILITY
choosing an angular form of composition, to maximize the visibility of spaces, thus creating organic interconnectivity of different spaces



LIVING ORGANISM CONCEPT OF THE BUILDING
further developing "3H theory" of holistic education by connecting school functions with a yard, that acts as a multifunctional, dynamic vascular system for the whole organism of the school

Description

You are presented with the 1.6 Architect architectural studio project proposal for the COAF SMART CAMPUS ARMAVIR International Architectural Open Competition, where the task was to be in line with the style of Lori SMART Center, but at the same time, an attempt was made to maintain the originality.

The COAF SMART CAMPUS itself, being an overcrowded and multi-content complex, has contributed to the diversity of the project's architectural thought.

Due to the location, local greenery was used in the project, taking into account severe weather conditions and activities of the smart center.

The concept is based on several factors such as the relief, which dictated the angular composition; the connection with nature, especially the river; the usage basalt subsoil; the symbiosis with the natural landscape, the leading walls, as well as the view of Ararat and Mount Aragats.

In addition, the building was considered as a living organism, which is expressed by the dynamic form and combination of functions, transitional connections and interconnecting internal yard that acts as a multifunctional adaptive vascular system for the whole organism of the school.

The buildings are stretched along the longitudinal axis. This horizontally developed spatial composition is monochrome at the top, but, nevertheless, is dynamic with its angular forms. Besides, the usage of the local dark grey basalt creates contrast with white, flat outdoor walls.

Due to this dynamics, the complex is seen differently from all sides, which also impresses observers differently.

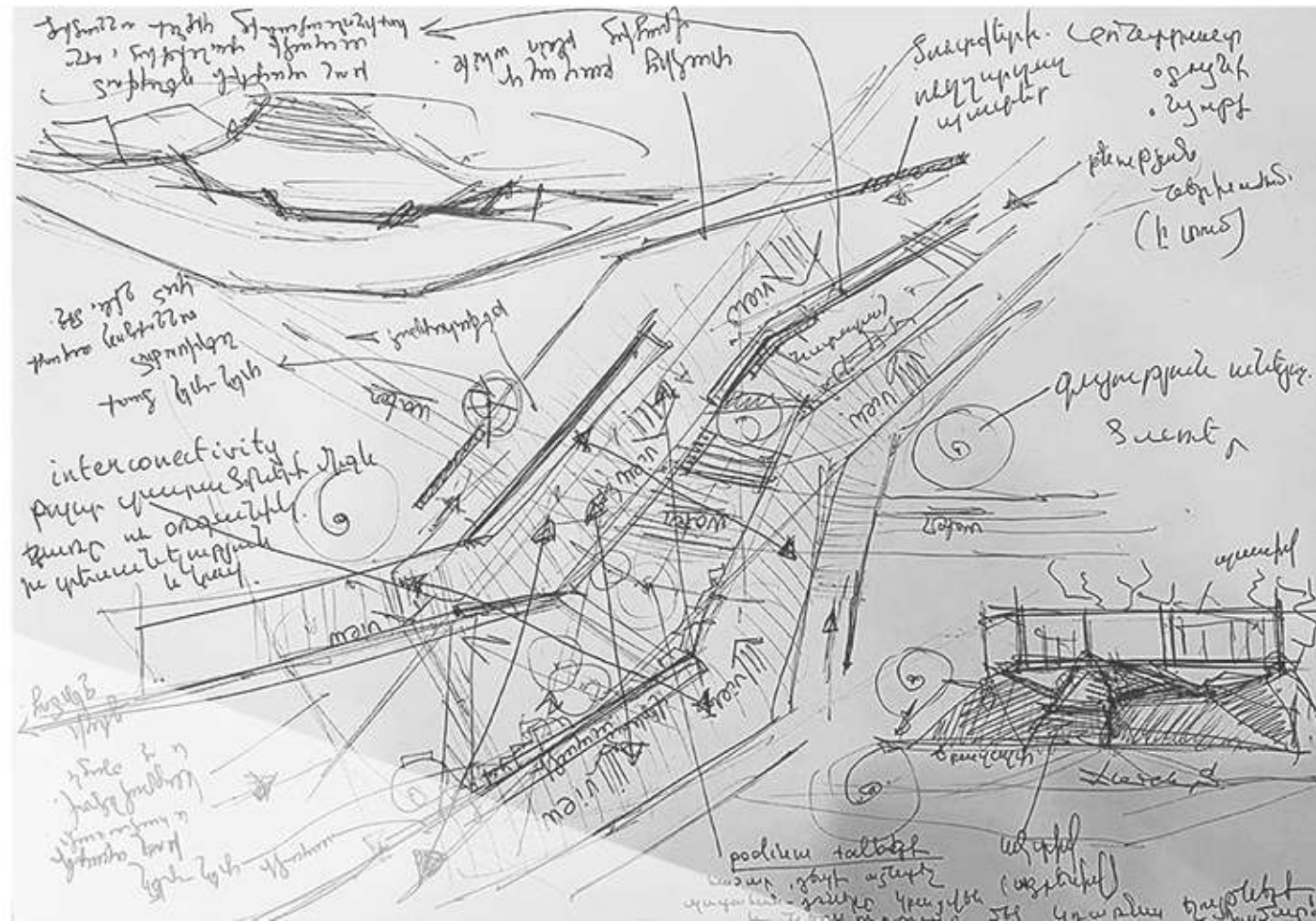
Both, on the ceiling and the walls, there are solar protecting screens, which will not only protect from the sun but also create an interesting mood in the interior.

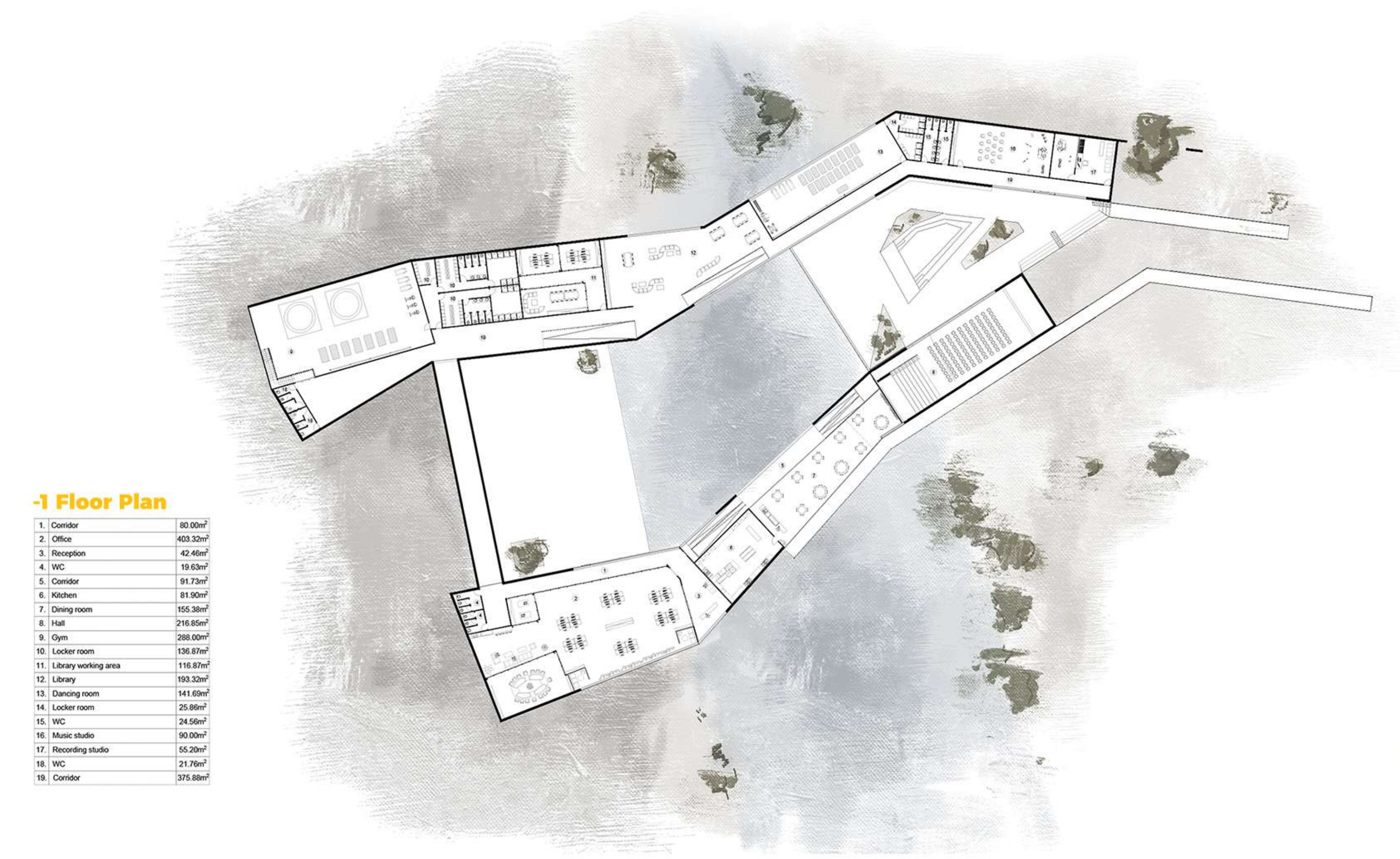
In addition to orchards, greenhouses without soil, which also need 90% less water, were planned close to the educational complex. Considering the valleys of the natural relief, a reservoir for fish breeding was created adjacent to the river.

It should be noted that most of our ideas we had at the beginning of the sketching stage, that's why we attached also the initial sketch.

Different types of sustainable solutions were used in the complex. As a passive sustainable solution the local materials are used including local subsoil basalt. Besides, local landscape elements such as plants and greenery were preserved as well as used in several parts of inner yard.

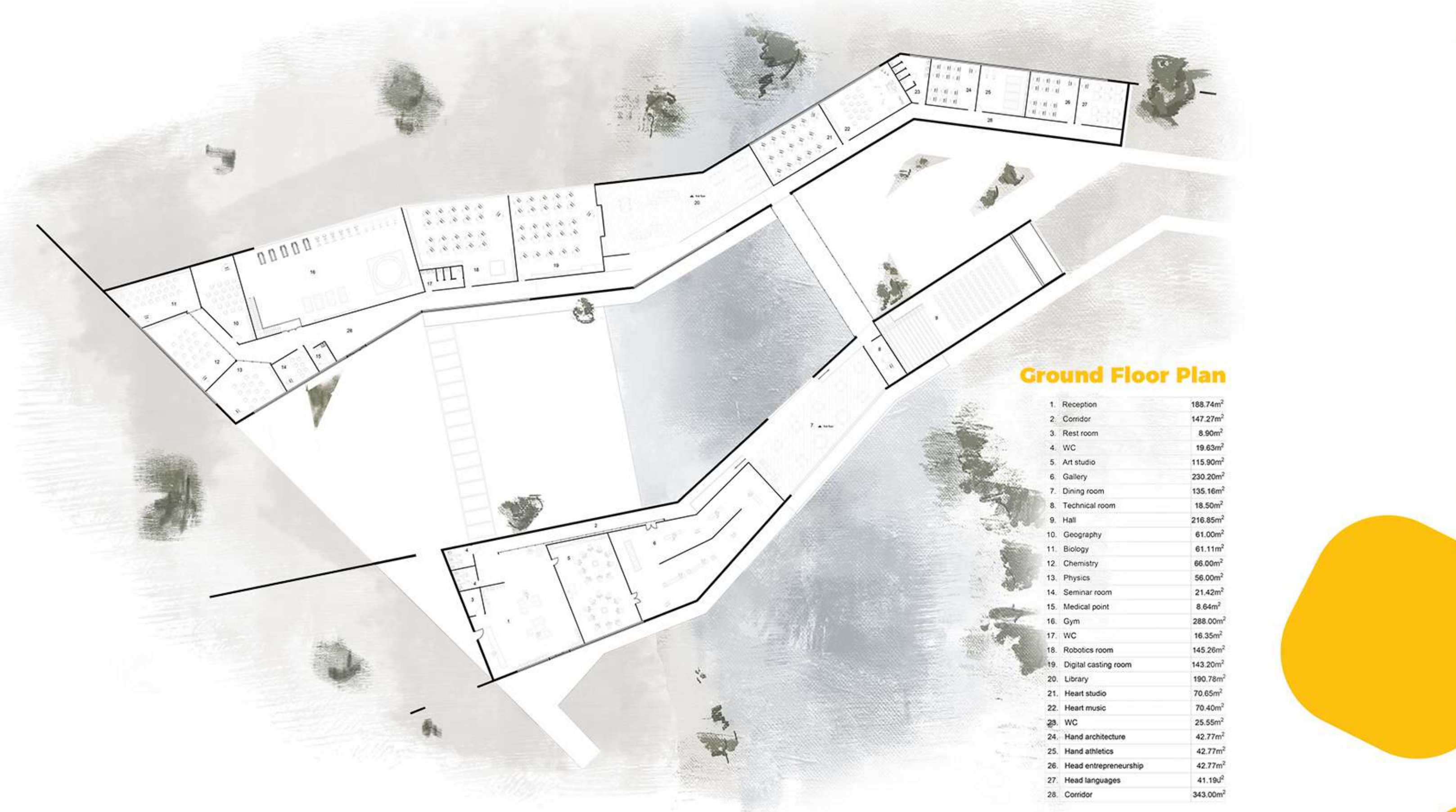
The general footprint of the buildings was minimized. Solar panels were located adjacent to the educational complex to fulfill its' energy needs. Also, rainwater collecting was designed throughout the complex, and the natural small river was used as the main water reservoir.





1 Floor Plan

1. Corridor	80.00m ²
2. Office	403.32m ²
3. Reception	42.40m ²
4. WC	19.63m ²
5. Corridor	91.73m ²
6. Kitchen	81.90m ²
7. Dining room	105.36m ²
8. Hall	218.85m ²
9. Gym	288.00m ²
10. Locker room	136.87m ²
11. Library working area	116.87m ²
12. Library	193.32m ²
13. Drawing room	141.07m ²
14. Locker room	25.96m ²
15. WC	24.59m ²
16. Music studio	90.00m ²
17. Recording studio	56.20m ²
18. WC	21.79m ²
19. Corridor	375.98m ²



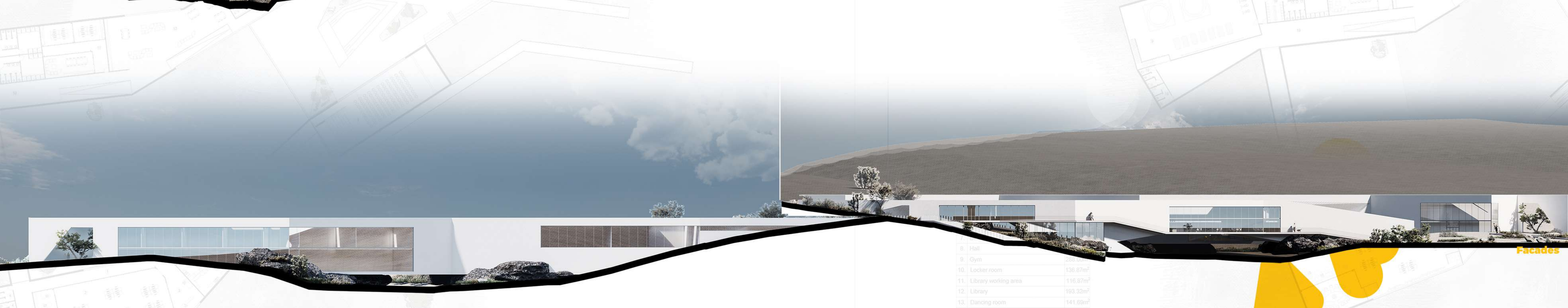
Ground Floor Plan

1. Reception	188.74m ²
2. Corridor	147.27m ²
3. Rest room	8.80m ²
4. WC	19.63m ²
5. Art studio	115.90m ²
6. Gallery	230.20m ²
7. Dining room	136.18m ²
8. Technical room	18.80m ²
9. Hall	218.85m ²
10. Geography	61.00m ²
11. Biology	61.11m ²
12. Chemistry	66.00m ²
13. Physics	56.00m ²
14. Seminar room	21.42m ²
15. Medical point	8.64m ²
16. Gym	288.00m ²
17. WC	16.35m ²
18. Robotics room	145.35m ²
19. Digital casting room	143.20m ²
20. Library	190.78m ²
21. Heat studio	70.65m ²
22. Heat music	70.40m ²
23. WC	25.96m ²
24. Hand architecture	42.77m ²
25. Hand athletics	42.77m ²
26. Head entrepreneurship	42.77m ²
27. Head languages	41.19m ²
28. Corridor	343.00m ²





Elevations



Facades

9. Hall	
10. Locker room	136.87m ²
11. Library working area	116.87m ²
12. Library	193.32m ²
13. Dancing room	141.89m ²

