



The special location provided for the COAF Smart Center, located on the hills, invites to propose a performance based on the sensibility for the impact on nature, minimizing the excavation volume and the change of existing landmarks.

Artificial ponds are created on the highest level of the area to provide natural irrigation for the lower levels and also the existing lake is restored. Because the slope is very steep, the streams are zigzagging towards the slopes.

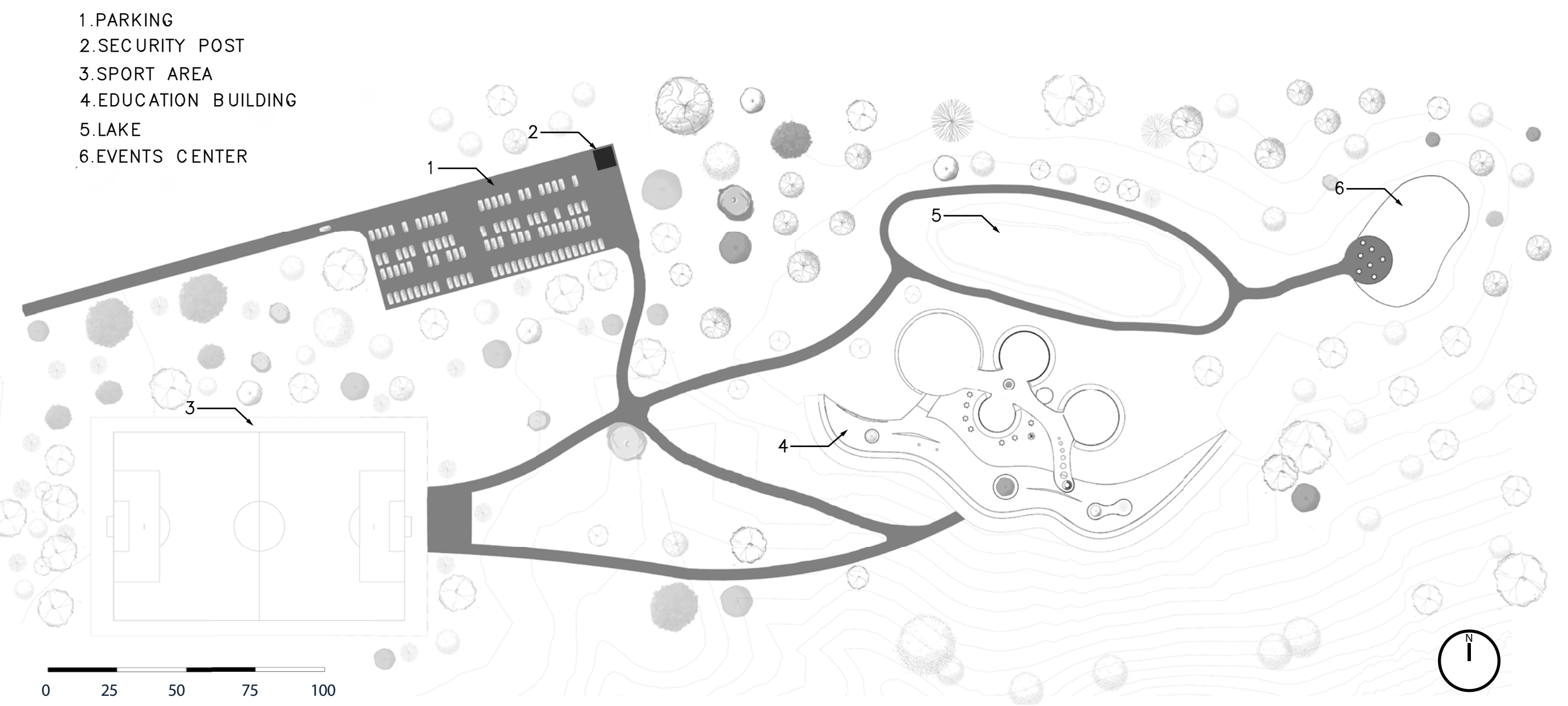
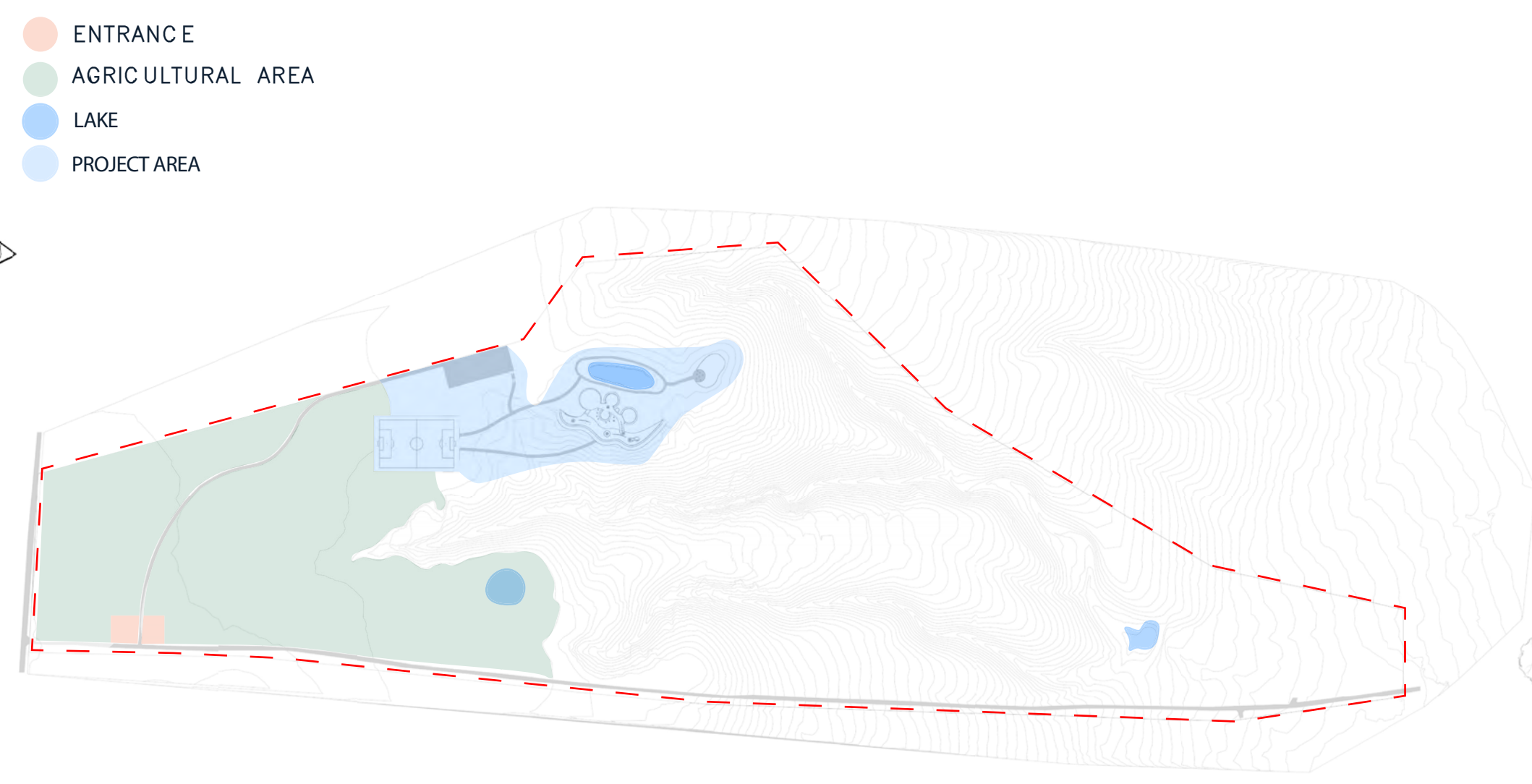
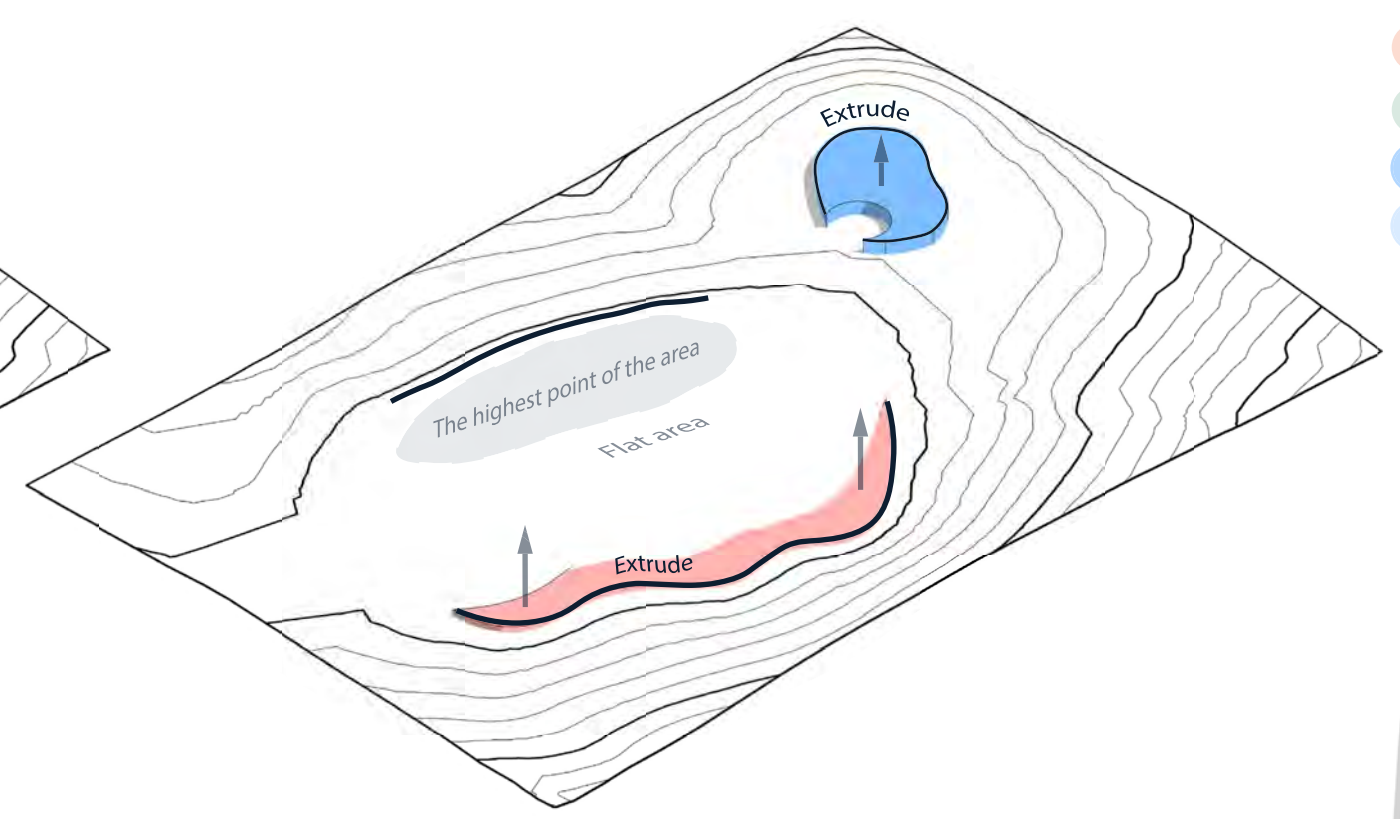
The road leading to the complex ends with a parking area, a station for charging electromobiles, and a sport field. The main buildings are located near this water zone, providing beautiful views and a walking area by the lake.

The first level of the complex is the educational part. The design focuses on using natural forms. The contour of the educational complex repeats the interpolation contour of the slope due to which we can have one level for the whole area. A careful analysis of the building's orientation influenced basic design decisions. The east-south-west orientation of the building provides a abundant natural light, substantially lowering reliance on artificial lighting and cooling.

Glazed facades open the views of mountain Ararat from almost all of the rooms and there is an exit from all the classrooms to the outside area. The interior is multifunctional and can be transformed if needed. The indoor winter gardens provide a natural environment for students in every season.

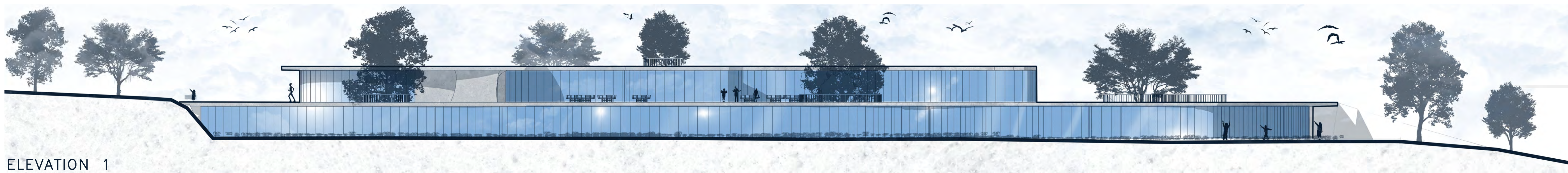
The second level, right beside the lake, is an events center, a restaurant, and a multifunction all sports ground. It is planned to plant new trees around the lake and create an orchard in the agricultural areas.

Sustainability strategies are used for having a lower impact on the surroundings, such as minimizing impervious areas by having porous pavements, reusing rainwater, not disturbing local fauna and flora, and minimizing the use of nonrenewable energy. It is planned to use only natural materials for the construction, such as concrete, metal, glass, wood ...

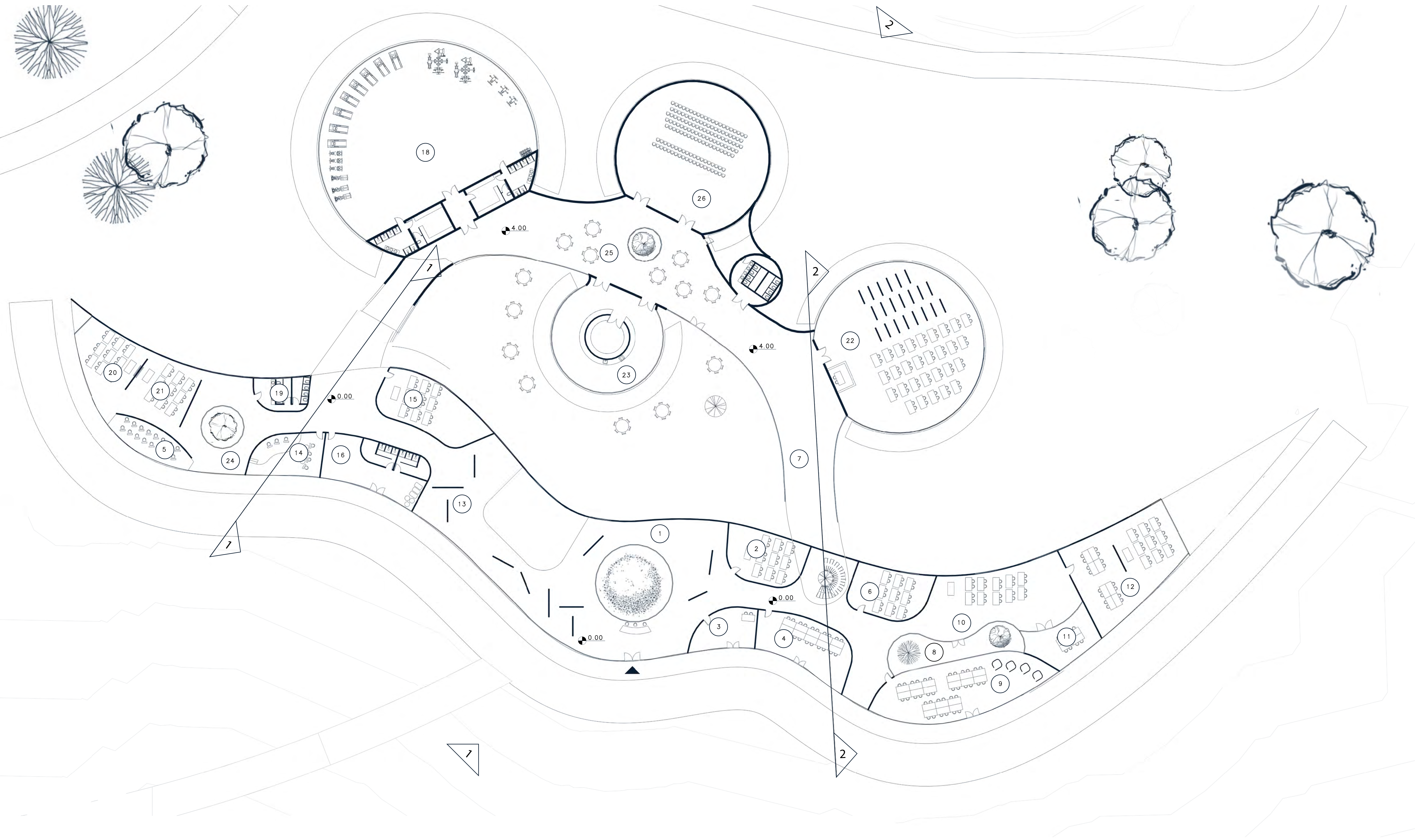


The contour of the educational complex repeats the interpolation contour of the slope due to which we can have one level for the whole area.

Add a lake at the highest point of the terrain. On a flat surface place the 2nd part of the building.



ELEVATION 1



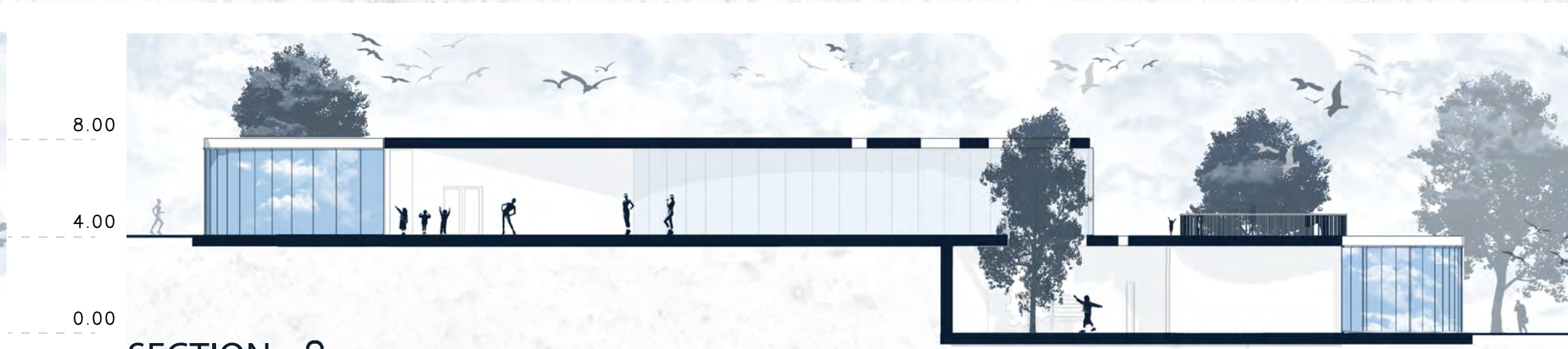
- 1 Reception
- 2 Biology Classroom
- 3 Medical center
- 4 Chemistry Classroom
- 5 Art Studio
- 6 Languages Classroom
- 7 Corridor
- 8 Winter Garden/Lounge
- 9 Administration
- 10 Group work room
- 11 Meeting Room
- 12 Robotics lab
- 13 Cultural corner
- 14 Music Studio
- 15 Digital Design
- 16 Dance Studio
- 17 WC
- 18 Sport Hall
- 19 WC
- 20 Physics Classroom
- 21 Art Classroom
- 22 Library
- 23 Kitchen
- 24 Corridor
- 25 Cafeteria
- 26 Auditorium



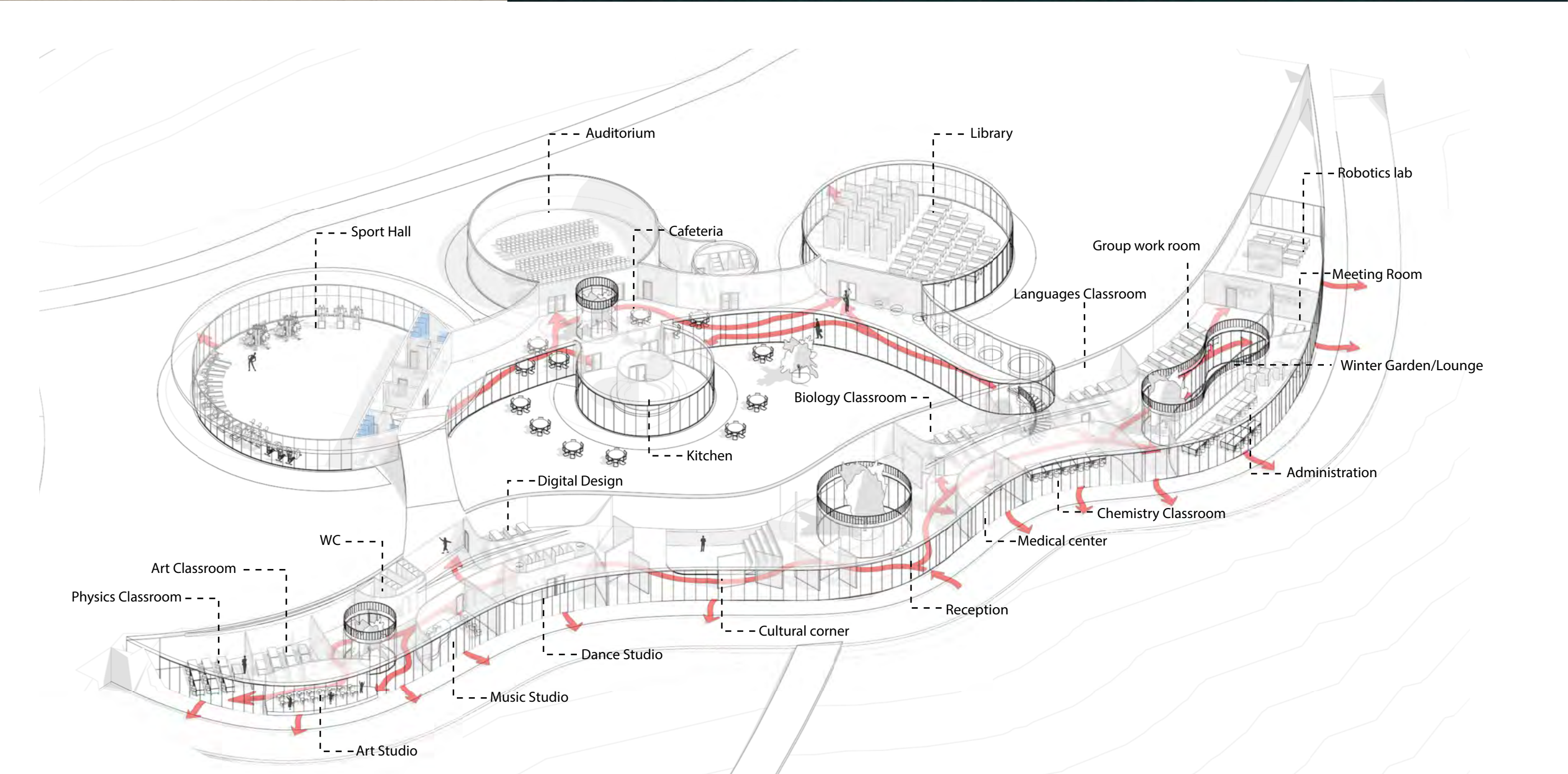
ELEVATION 2



SECTION 1



SECTION 2



- Auditorium
- Sport Hall
- Cafeteria
- Library
- Group work room
- Languages Classroom
- Meeting Room
- Winter Garden/Lounge
- Robotics lab
- Administration
- Chemistry Classroom
- Medical center
- Reception
- Cultural corner
- Dance Studio
- Music Studio
- Art Studio
- Art Classroom
- Physics Classroom
- Kitchen
- Digital Design
- WC