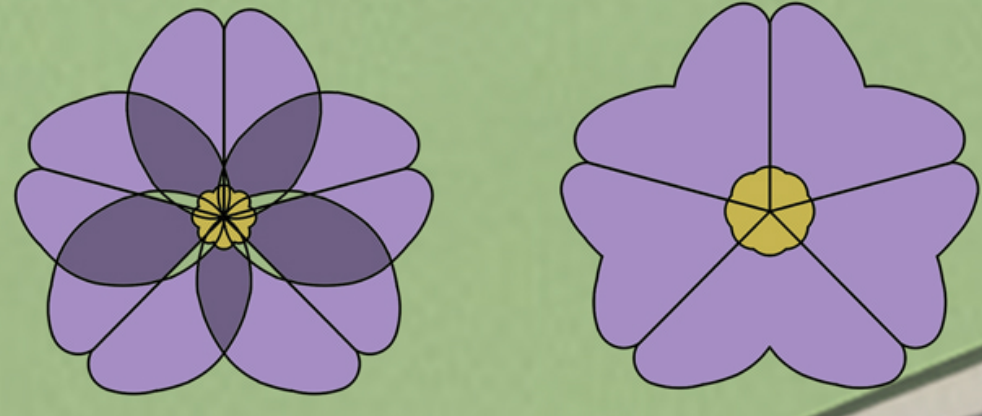


FORM EVOLUTION THROUGH ARMENIAN NATIONAL FLOWER

MARSHMALLOW-PLANT

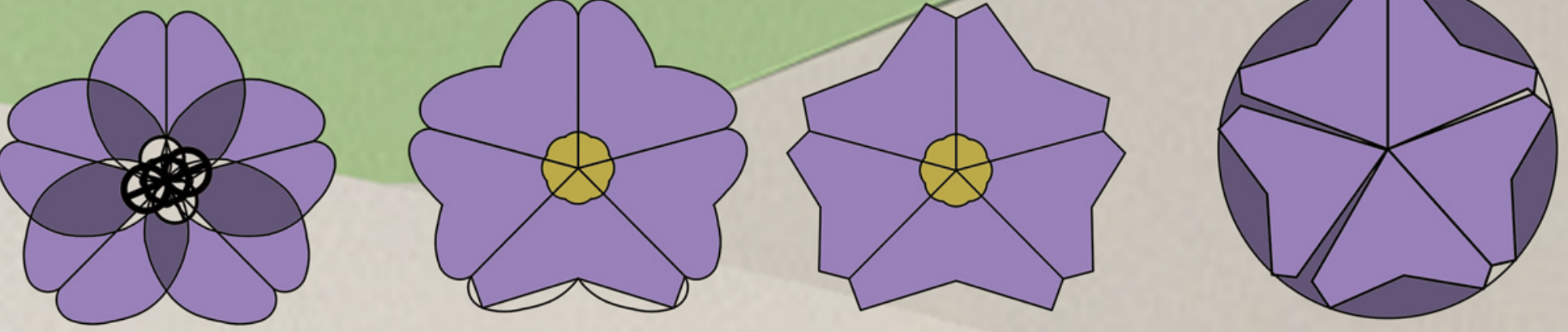
FORM EVOLUTION

ORGANIC APPROACH



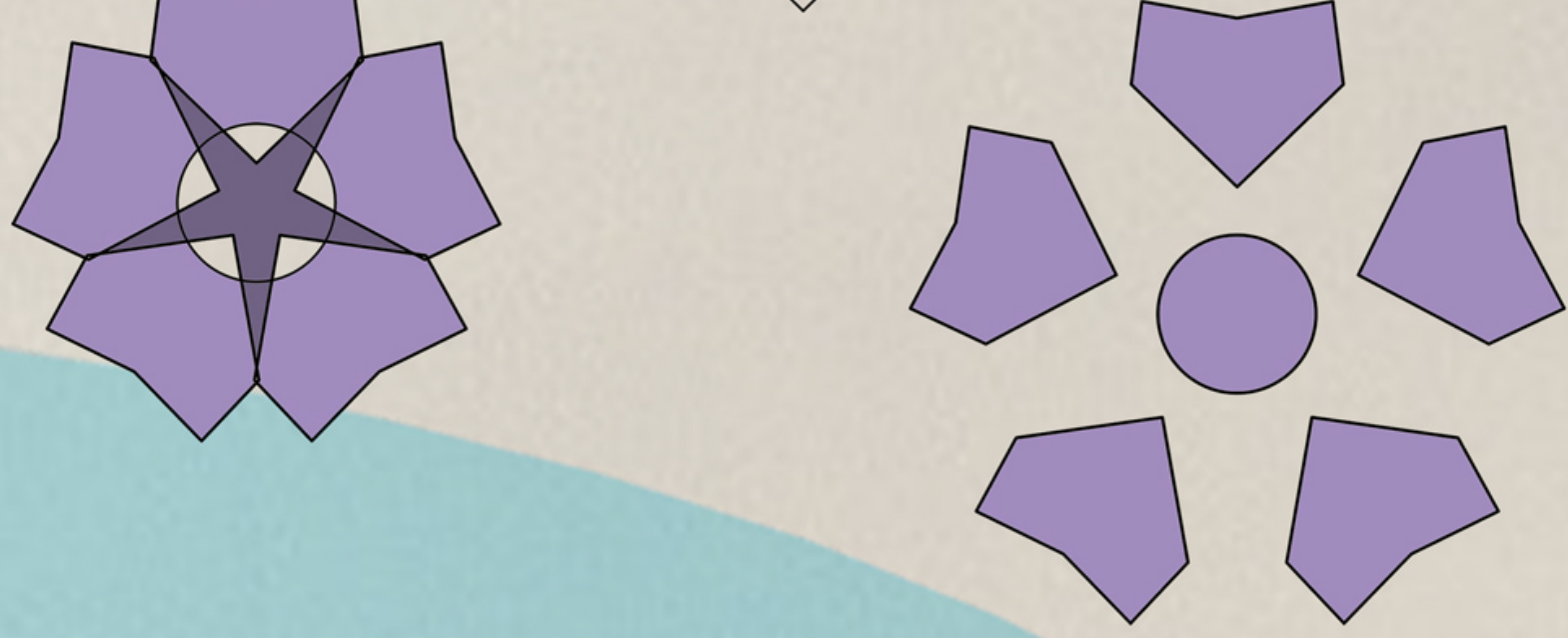
ORGANIC APPROACH HAVING CORE

ORGANIC TO GEOMETRIC



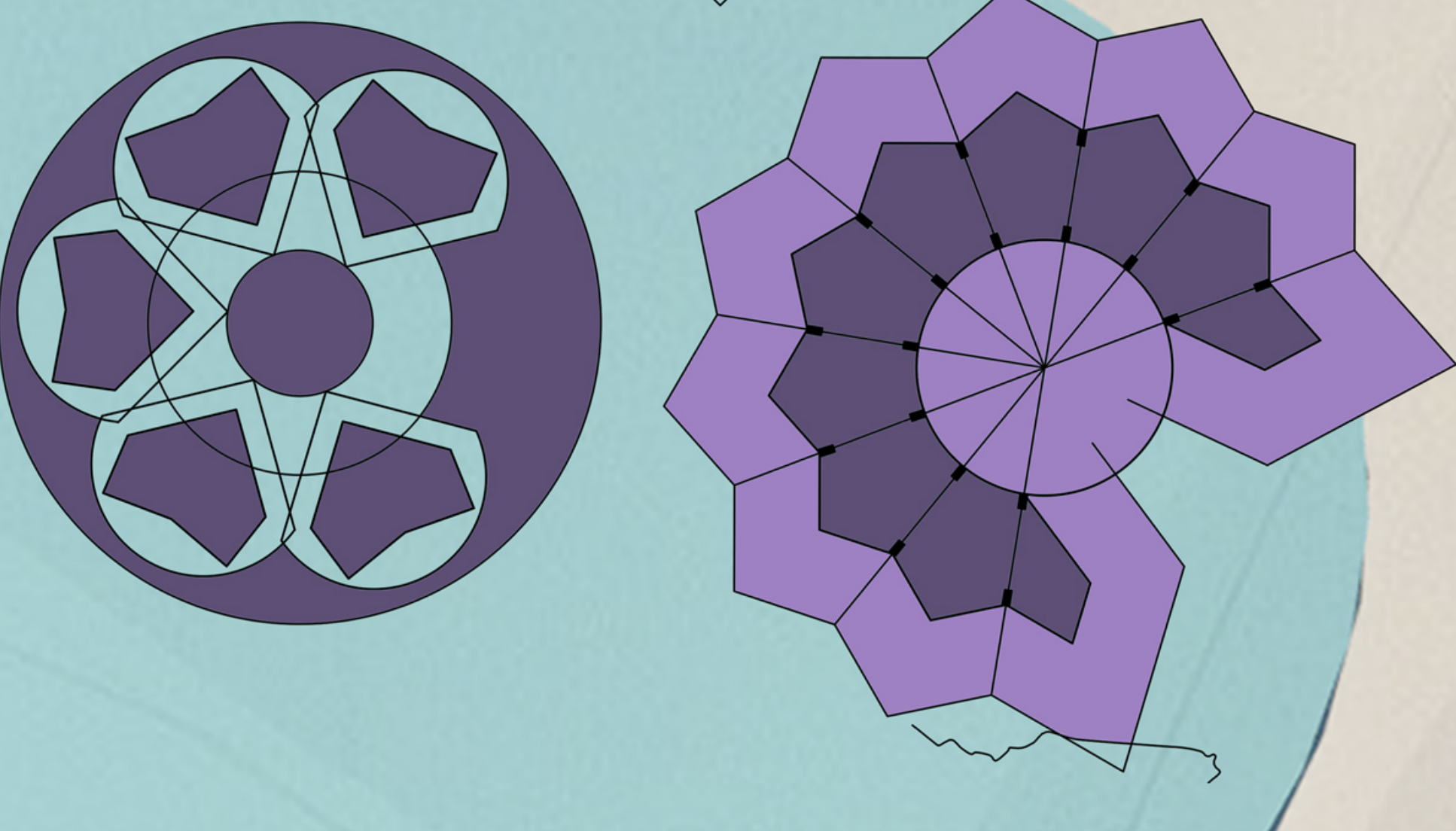
GEOMETRIC ATTACHED

GEOMETRIC DE-ATTACHED

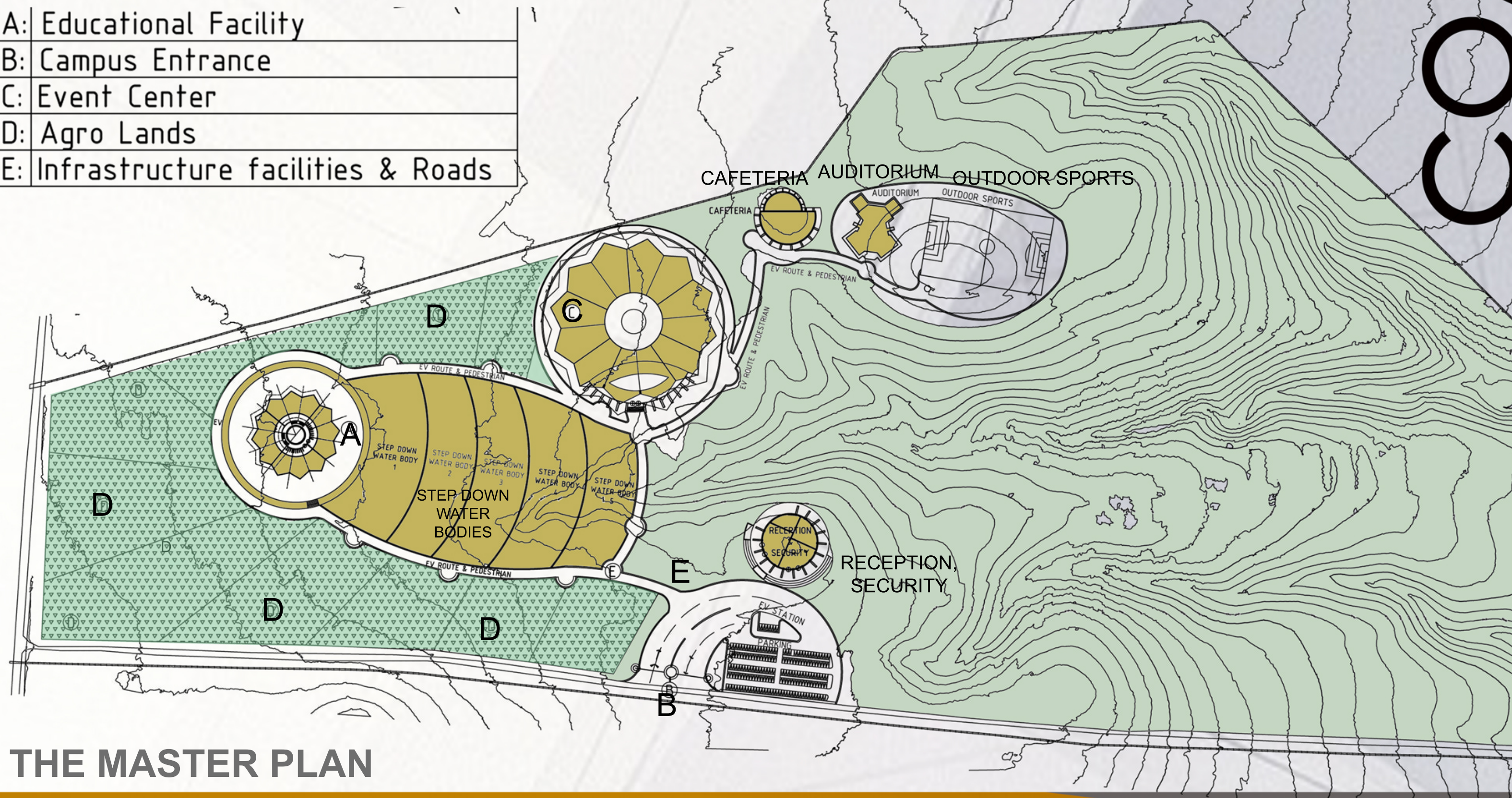


CLUSTERING APPROACH

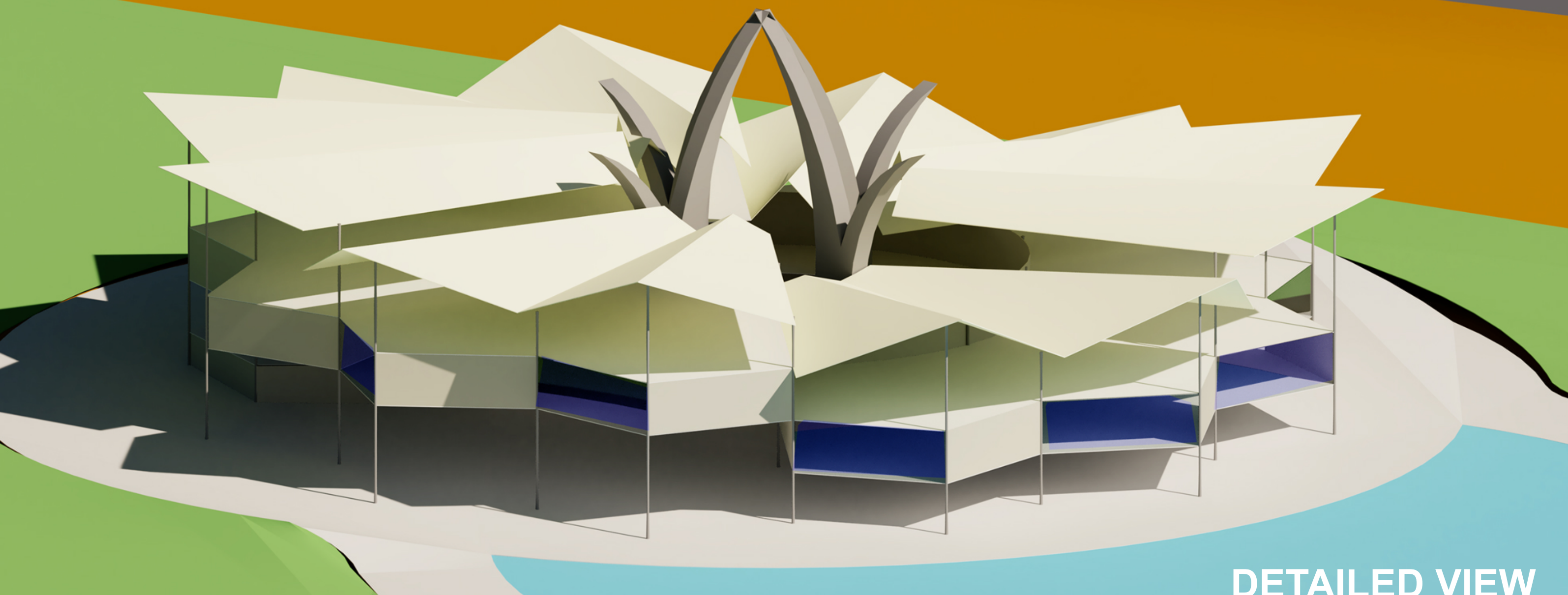
SURFACE ACTIVE DEVELOPMENT



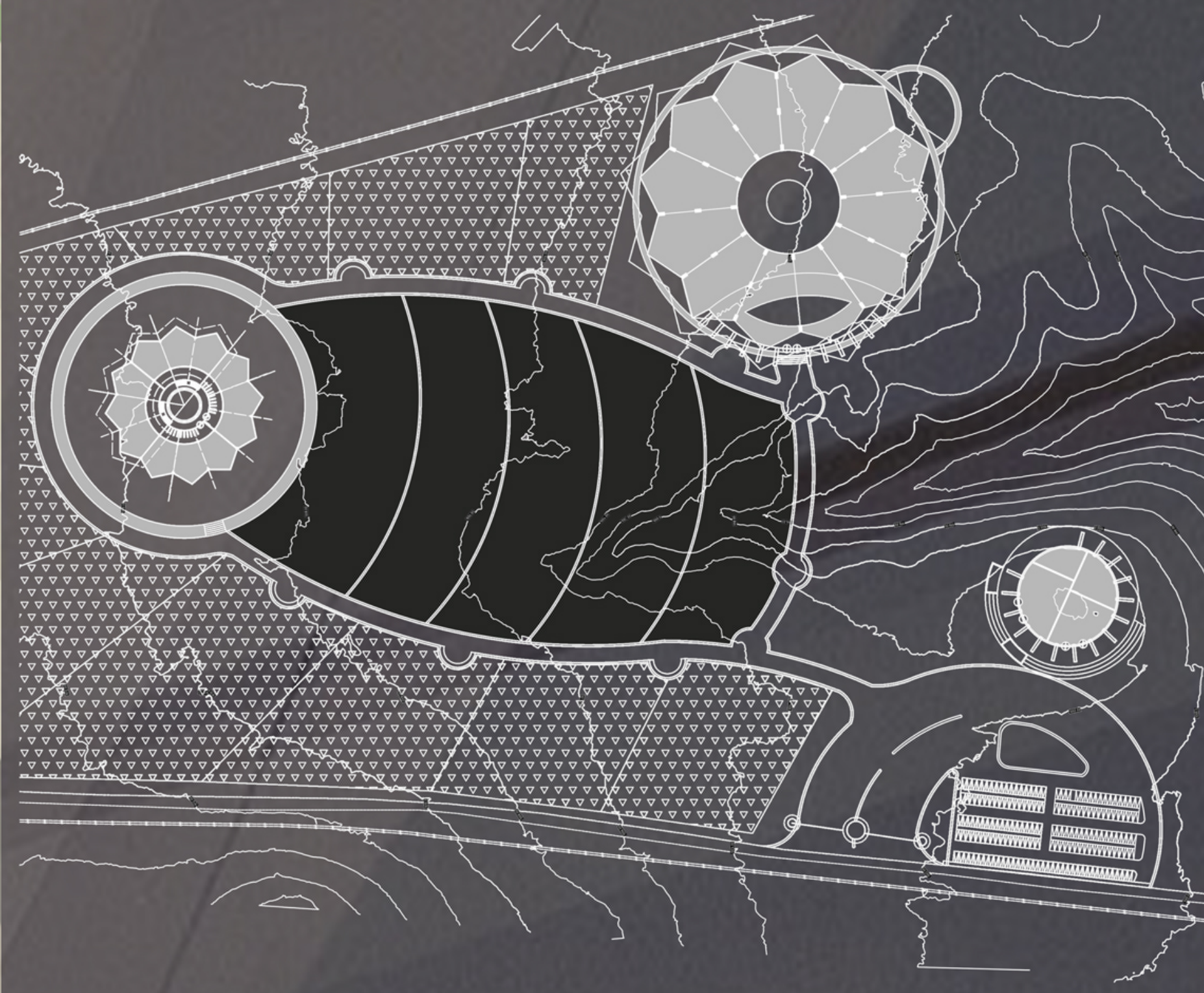
- A: Educational Facility
- B: Campus Entrance
- C: Event Center
- D: Agro Lands
- E: Infrastructure facilities & Roads



THE MASTER PLAN



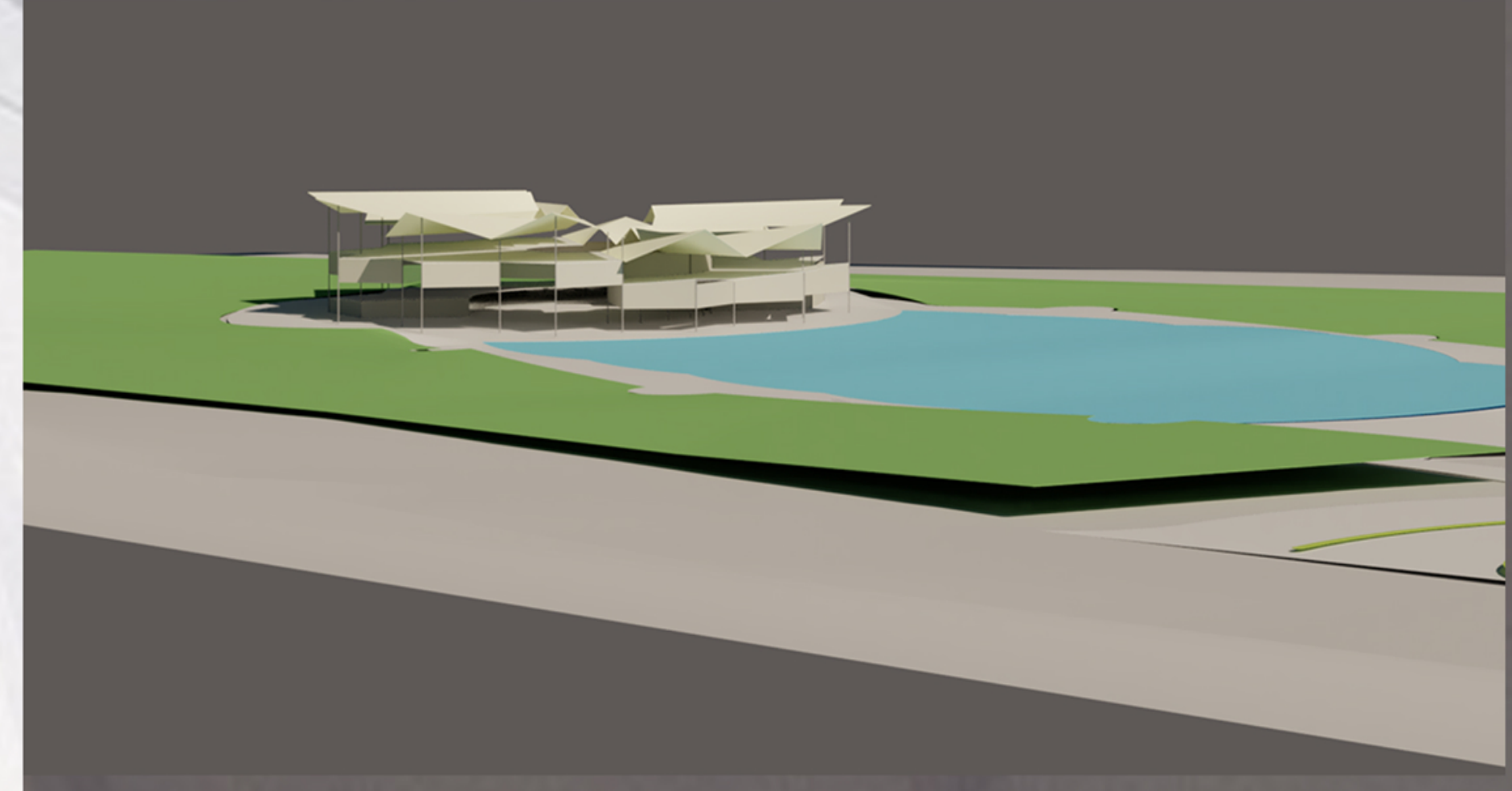
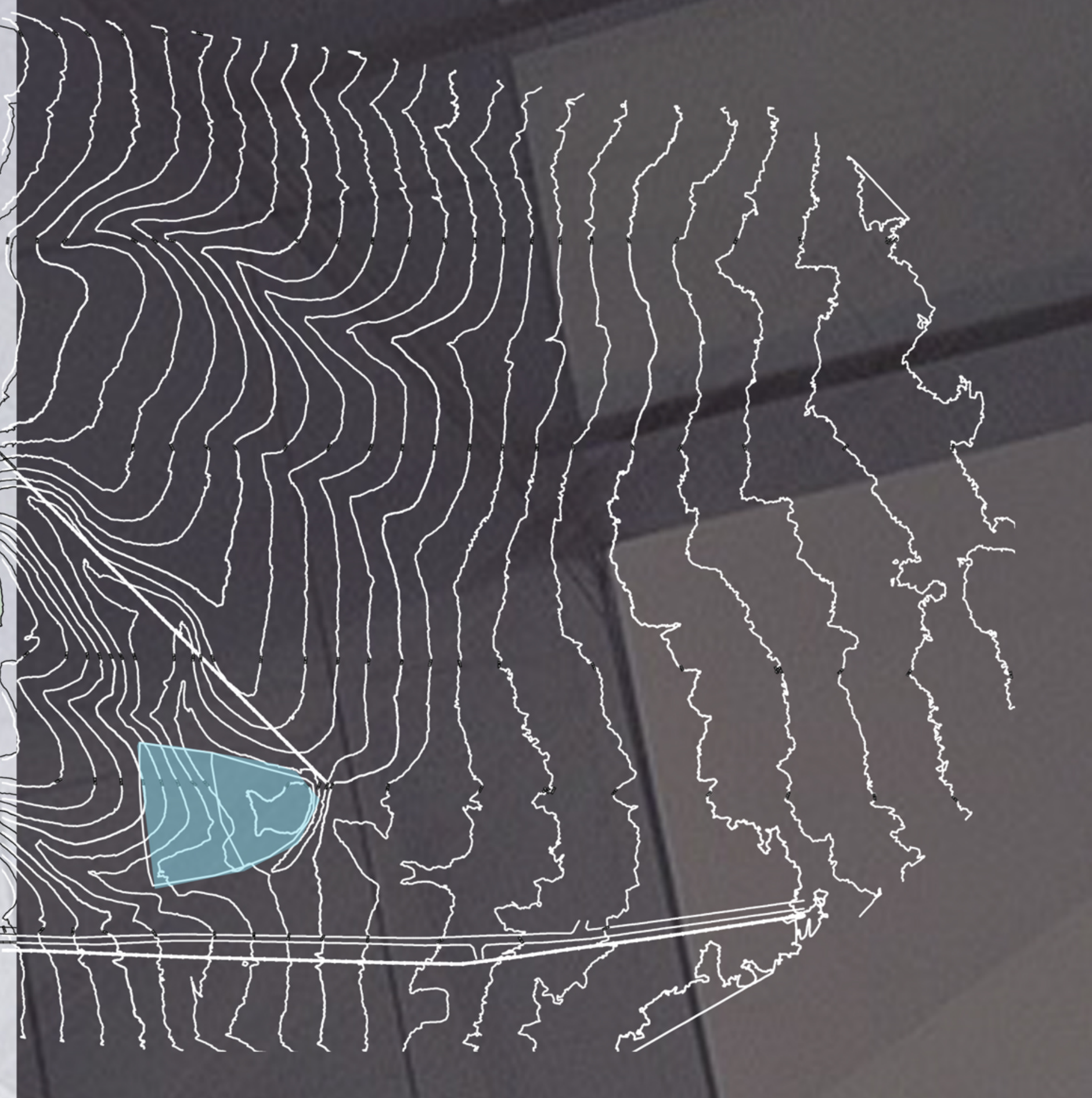
DETAILED VIEW



the concept

Children are like flowers, representing the future of the country. Therefore, the profile of the building has been derived from the national flower of Armenia. The derived structure imparts centralised form for the vast site, enabling sustainability and cost reduction.

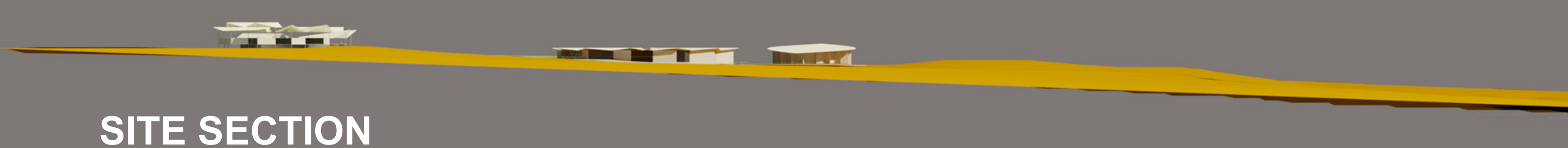
Additionally, the heat island has been mitigated by intensive plantation of green cover in strategic location of the site. As per the weather records, the wind velocity is feasible for operating the wind turbines. The design concept also proposes for installation of the wind turbines in the south eastern region of the site.

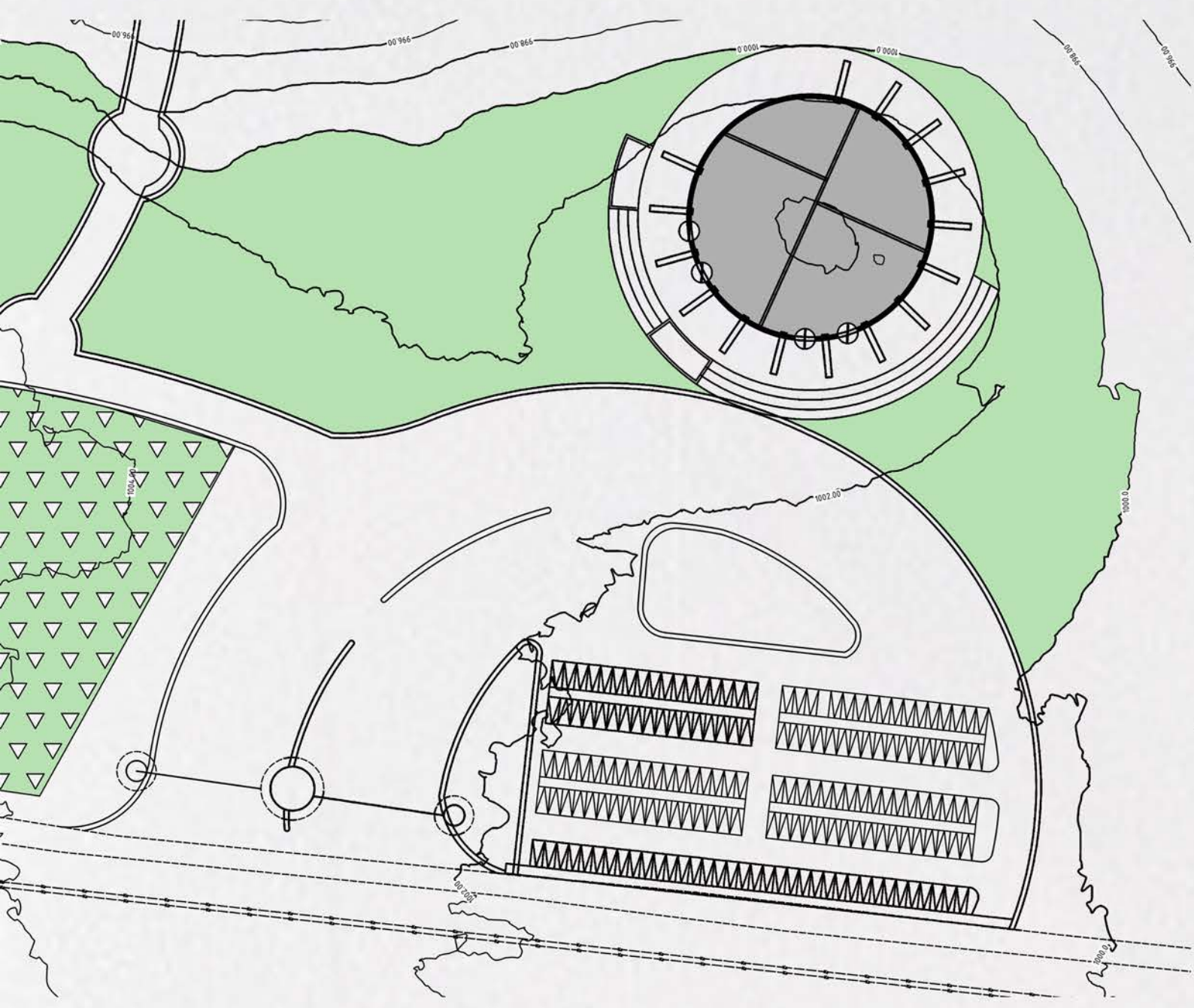


INTER-RELATION: EDUCATION & RECREATION

COAF SMART Campus Armavir

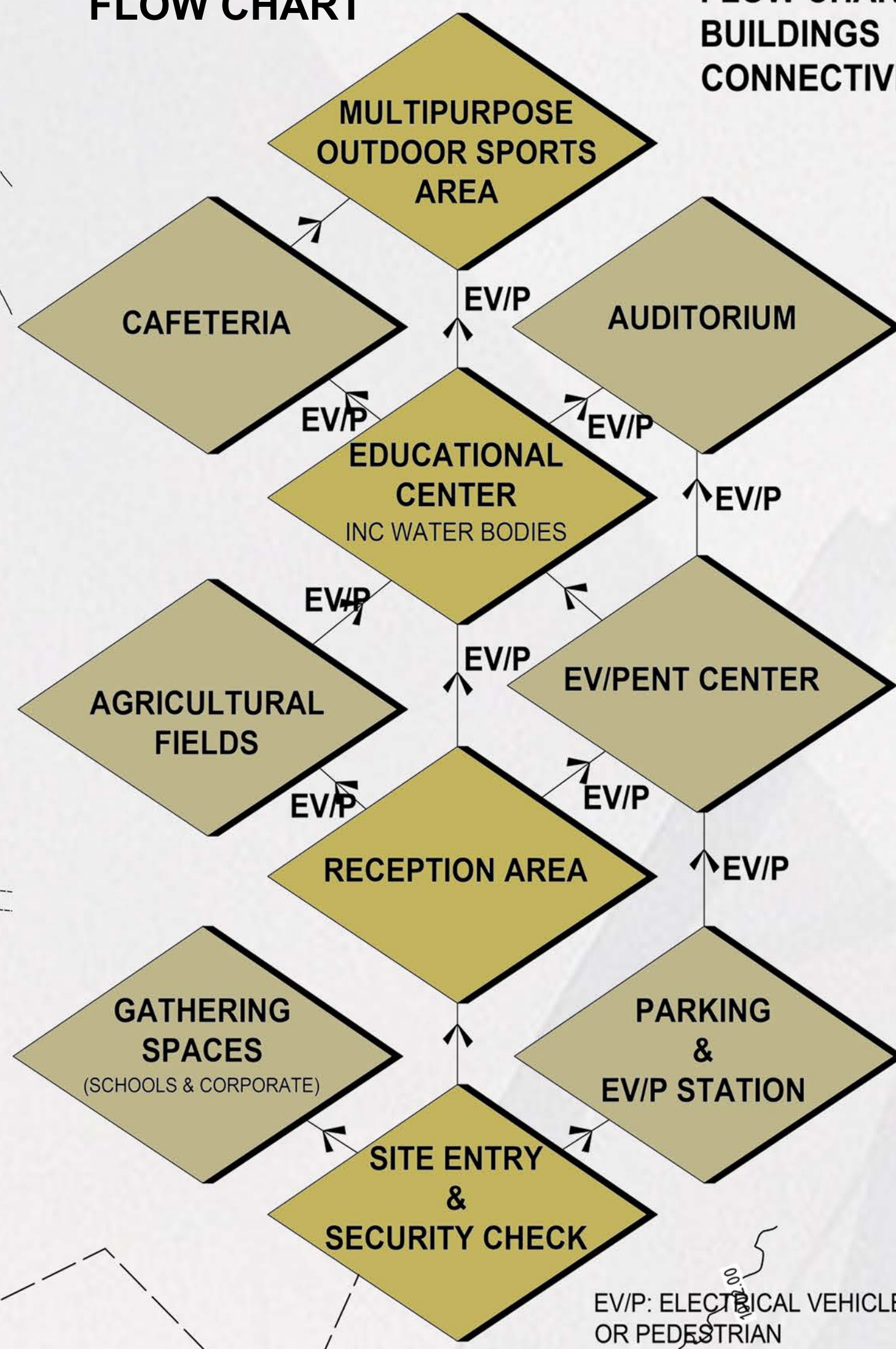
SITE SECTION



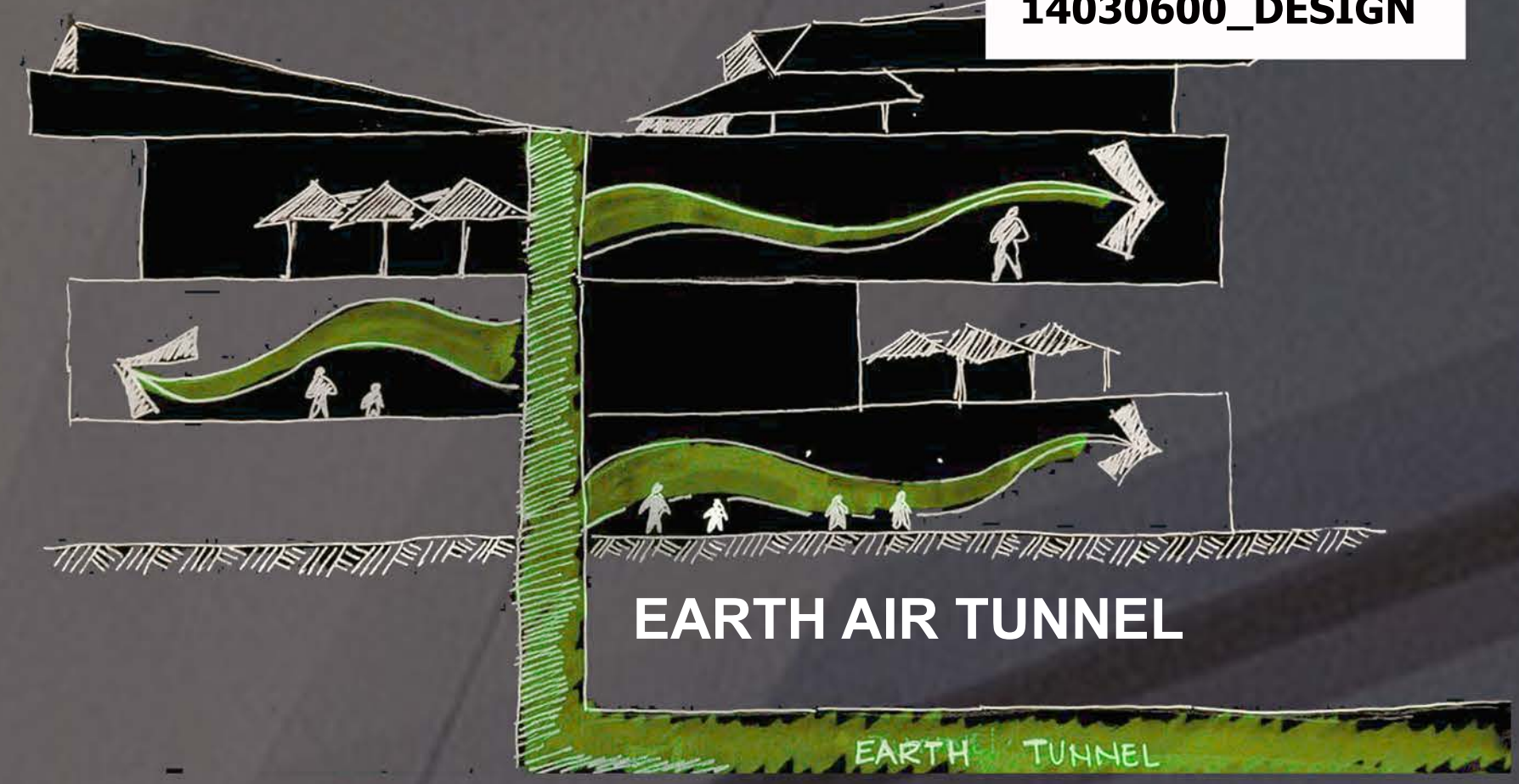


ENTRANCE AREA:
PARKING, RECEPTION & SECURITY

FLOW CHART



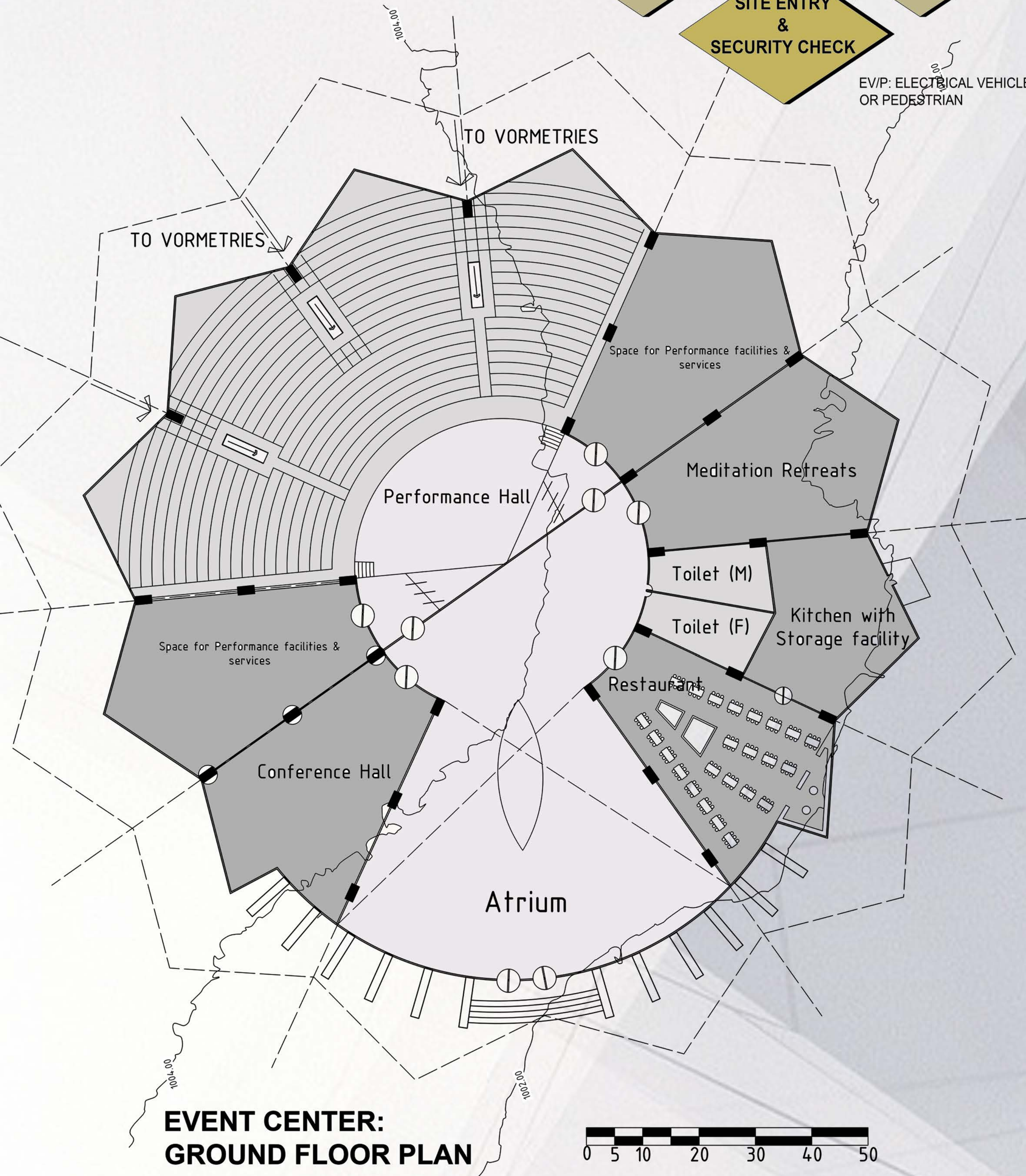
FLOW CHART OF
BUILDINGS
CONNECTIVITY



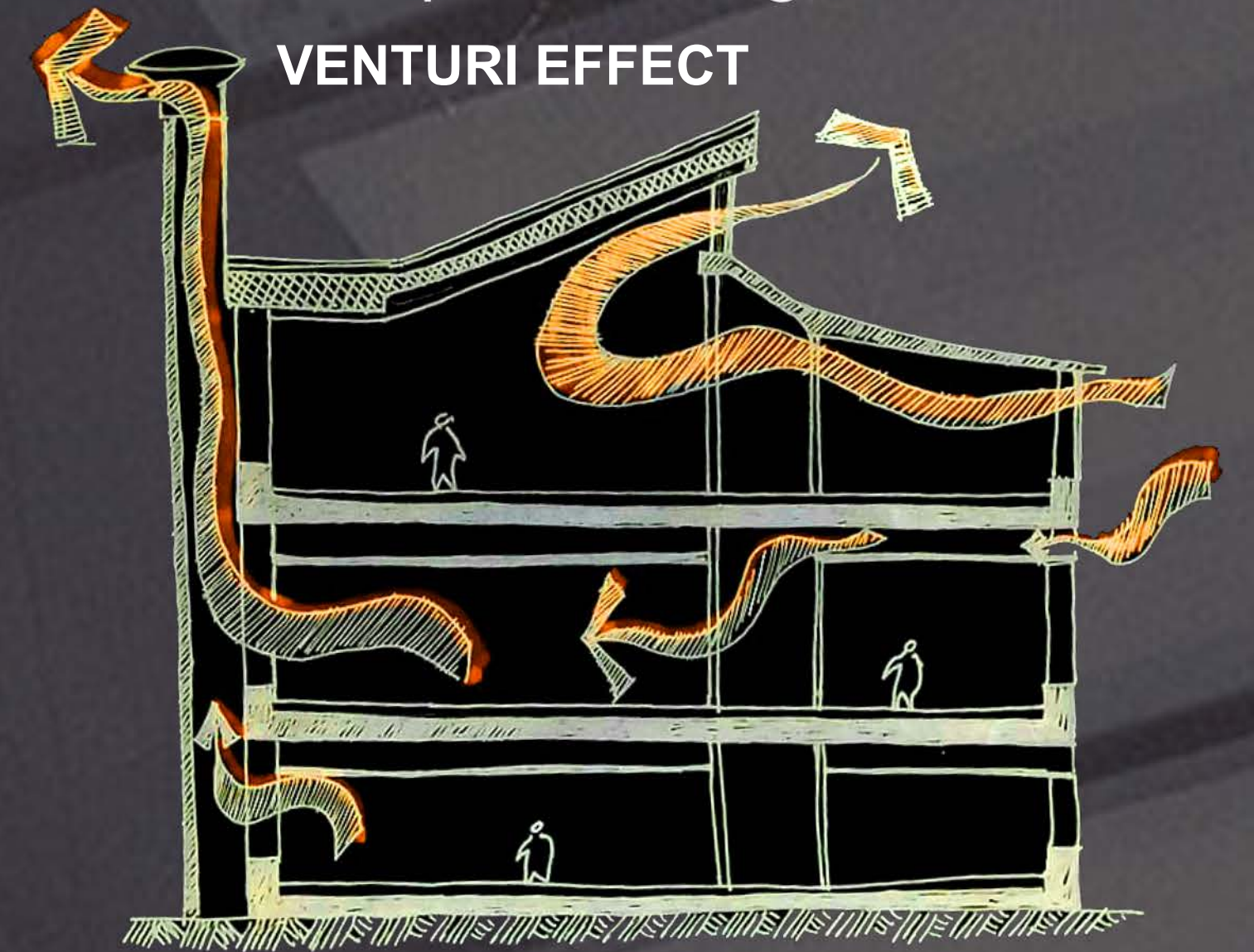
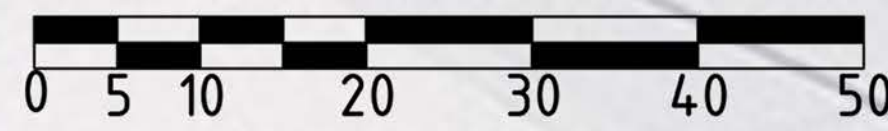
EARTH AIR TUNNEL

The design concept proposes for "Earth air tunnel" or "earth air heat exchanger". The Earth air tunnel has been proposed for all the building units of the site.

The building in the campus has been designed in multi-layer with punctures to enjoy free flow visibility of the surroundings especially the nearby mountains - Mount Ararat and Mount Arayats. The structure of the design initiates the connectivity of the end user with the nature, which is the cultural basic of the given context of the locality. Visibility of these mountains and the surroundings from every location of the building remind the users and the visitors of the asset of the locality which act as the landmark and identity of the region.

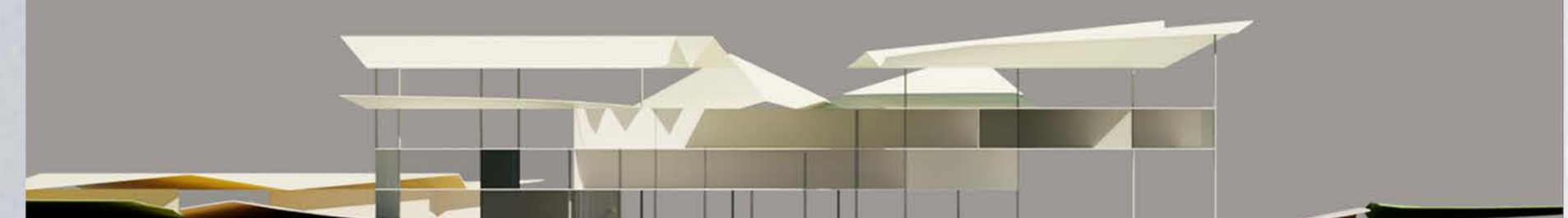


EVENT CENTER:
GROUND FLOOR PLAN

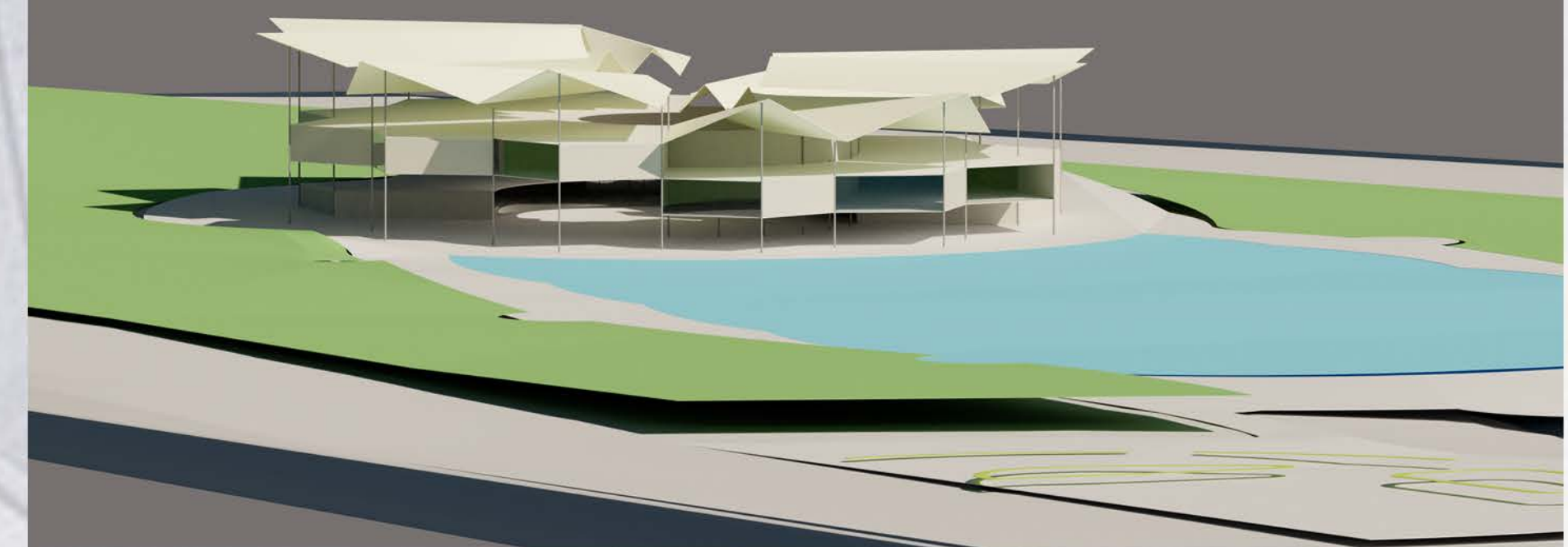


VENTURI EFFECT

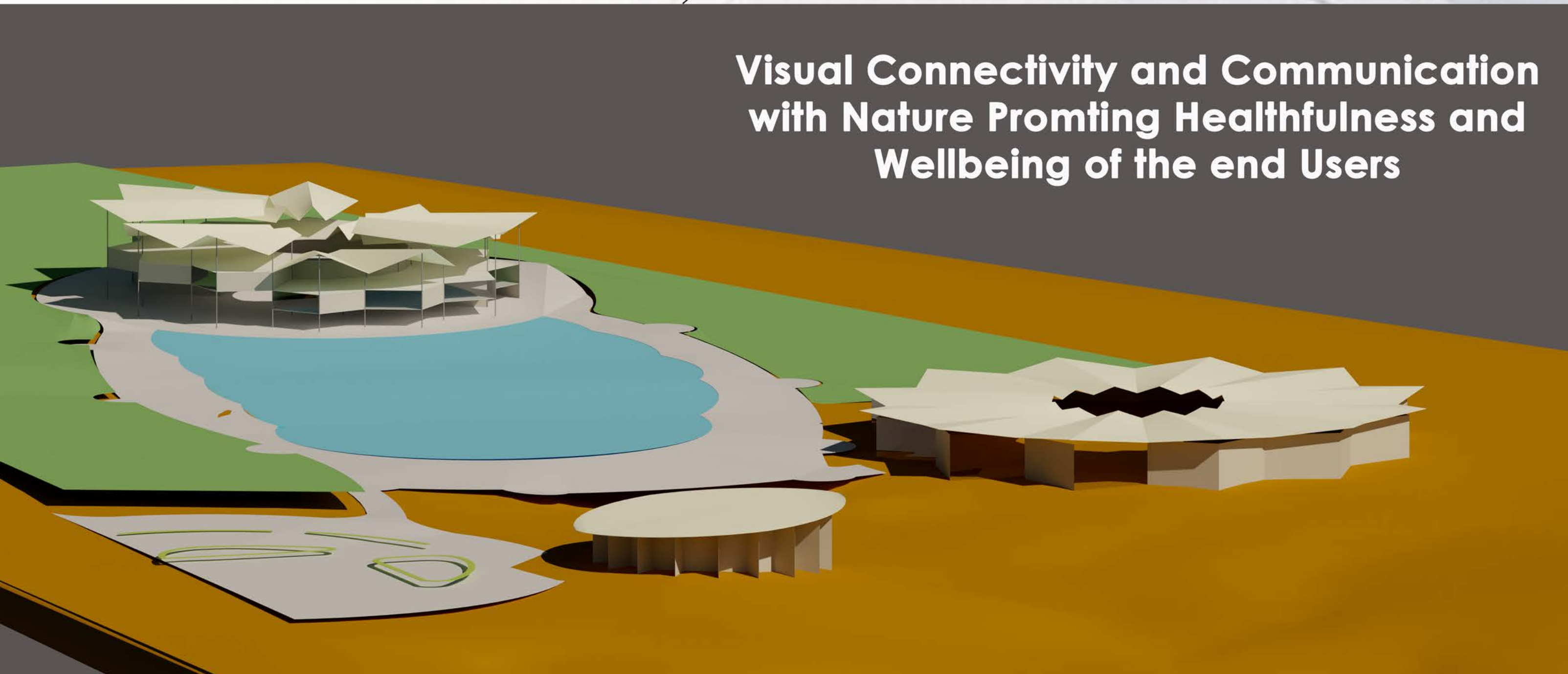
The induction of the air in the naturally ventilated space can be significantly increased through venturi tubes deployed on the windward side of an exterior wall of any occupied space.



SECTION: EDUCATIONAL CENTER



The street design also promotes for sustainability. Parking at the entrance of the site and proposal of all other movements by walking or electric/battery operated vehicle encourages environment friendly sustainable approach. The design promotes the existing practice in the rural context i.e human engagement with the nature by avoiding extensive vehicular movement inside the campus.

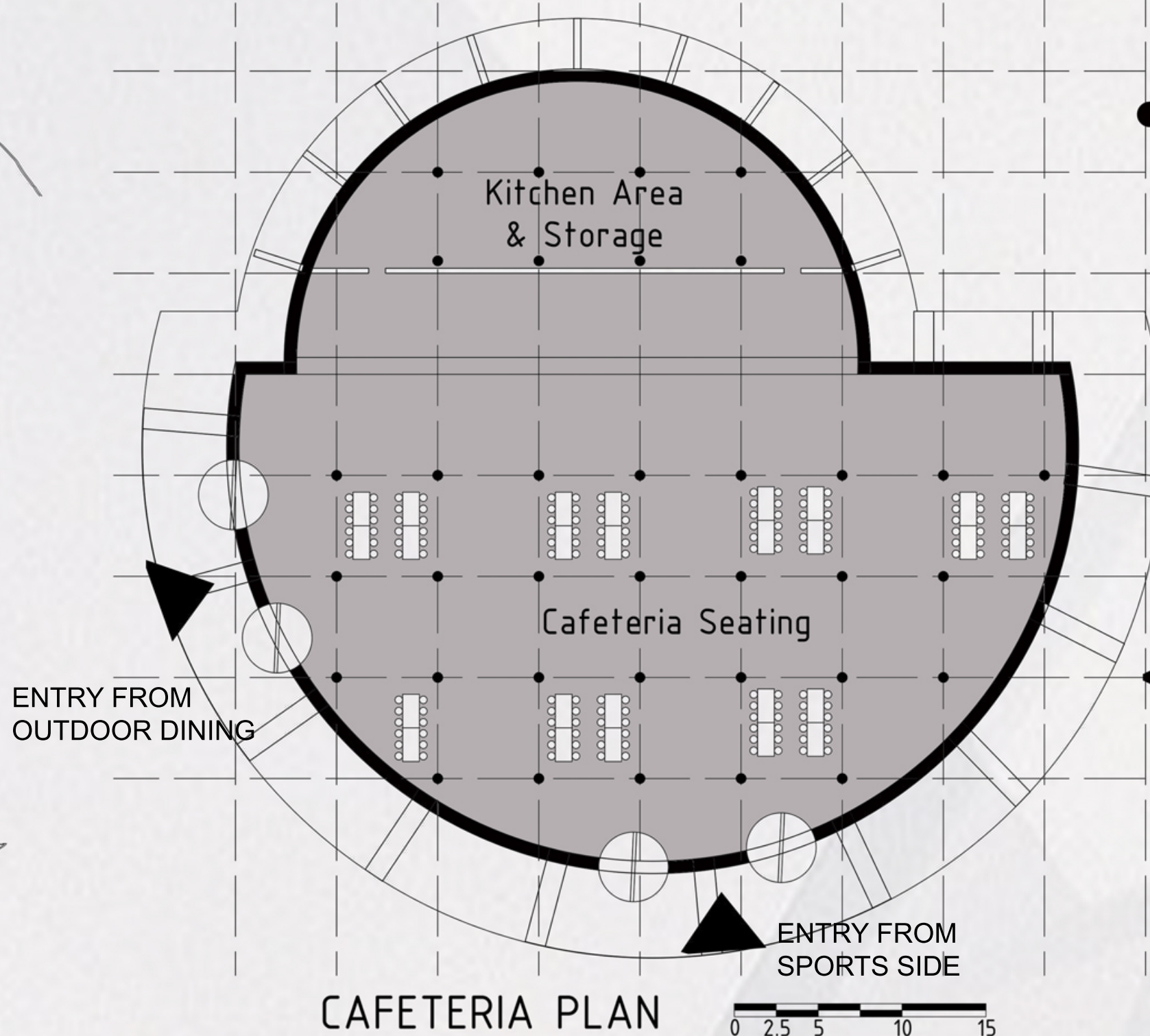
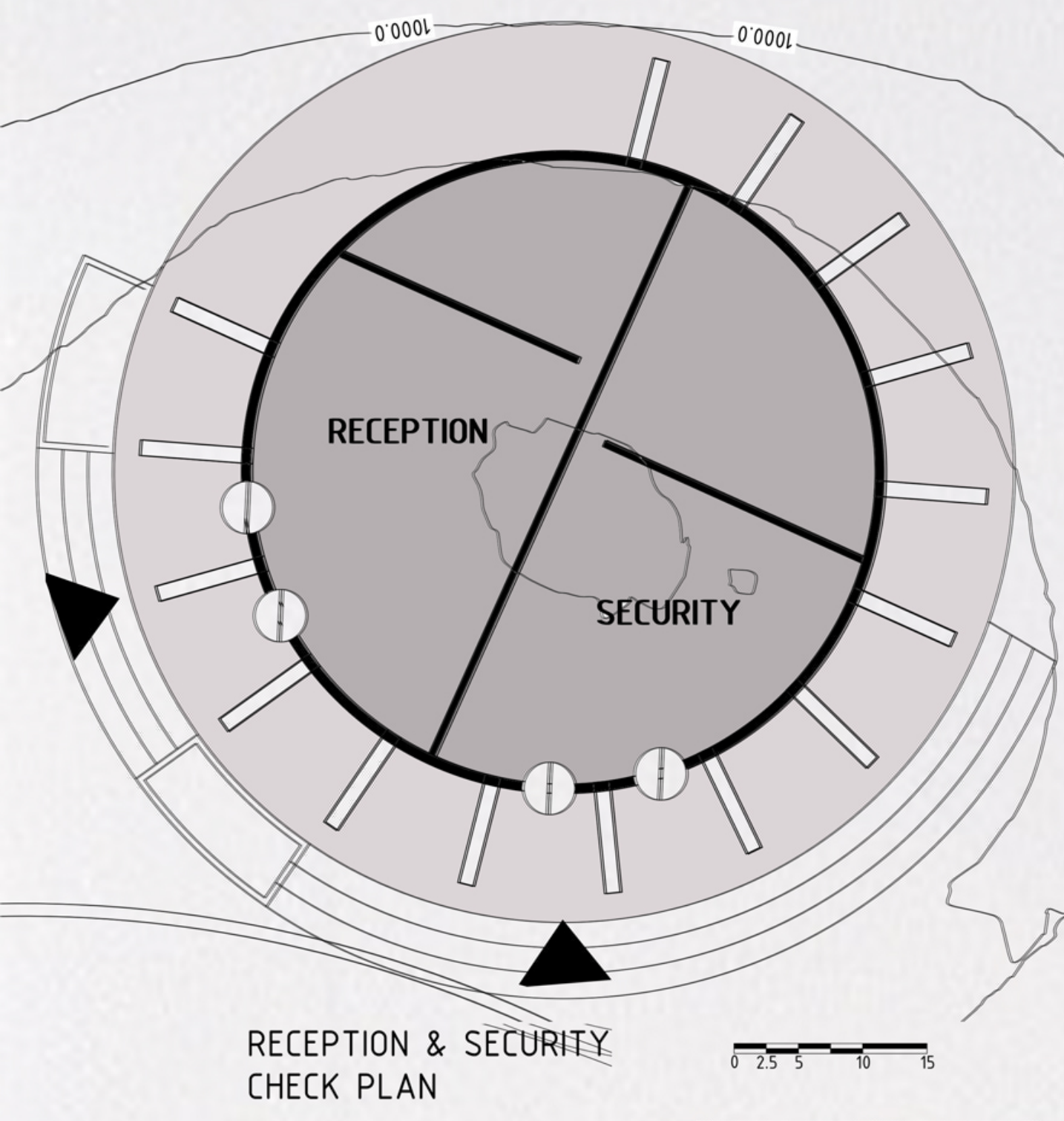


Visual Connectivity and Communication
with Nature Prompting Healthfulness and
Wellbeing of the end Users



SITE SECTION

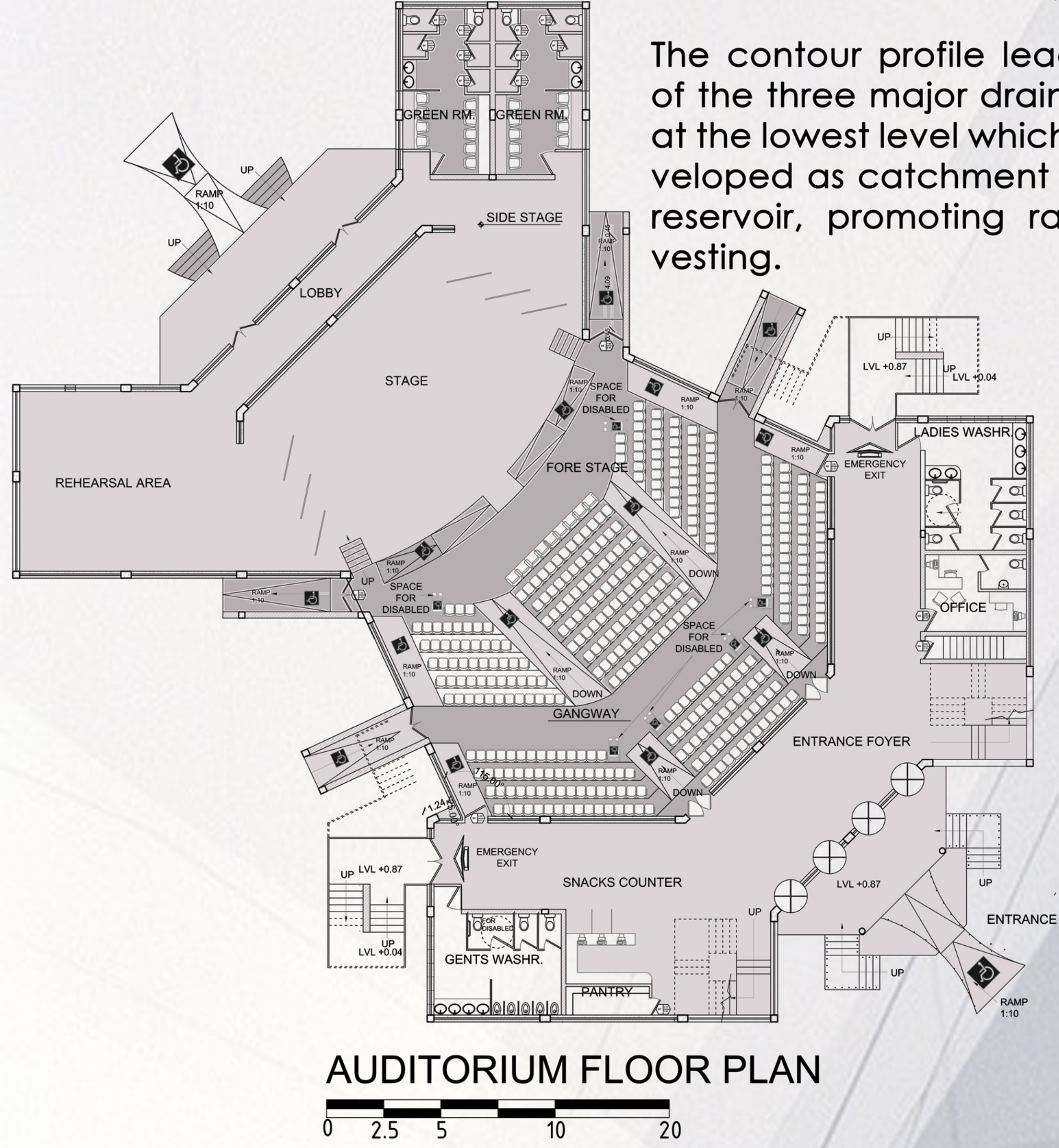
COAF SMART Campus Armavir



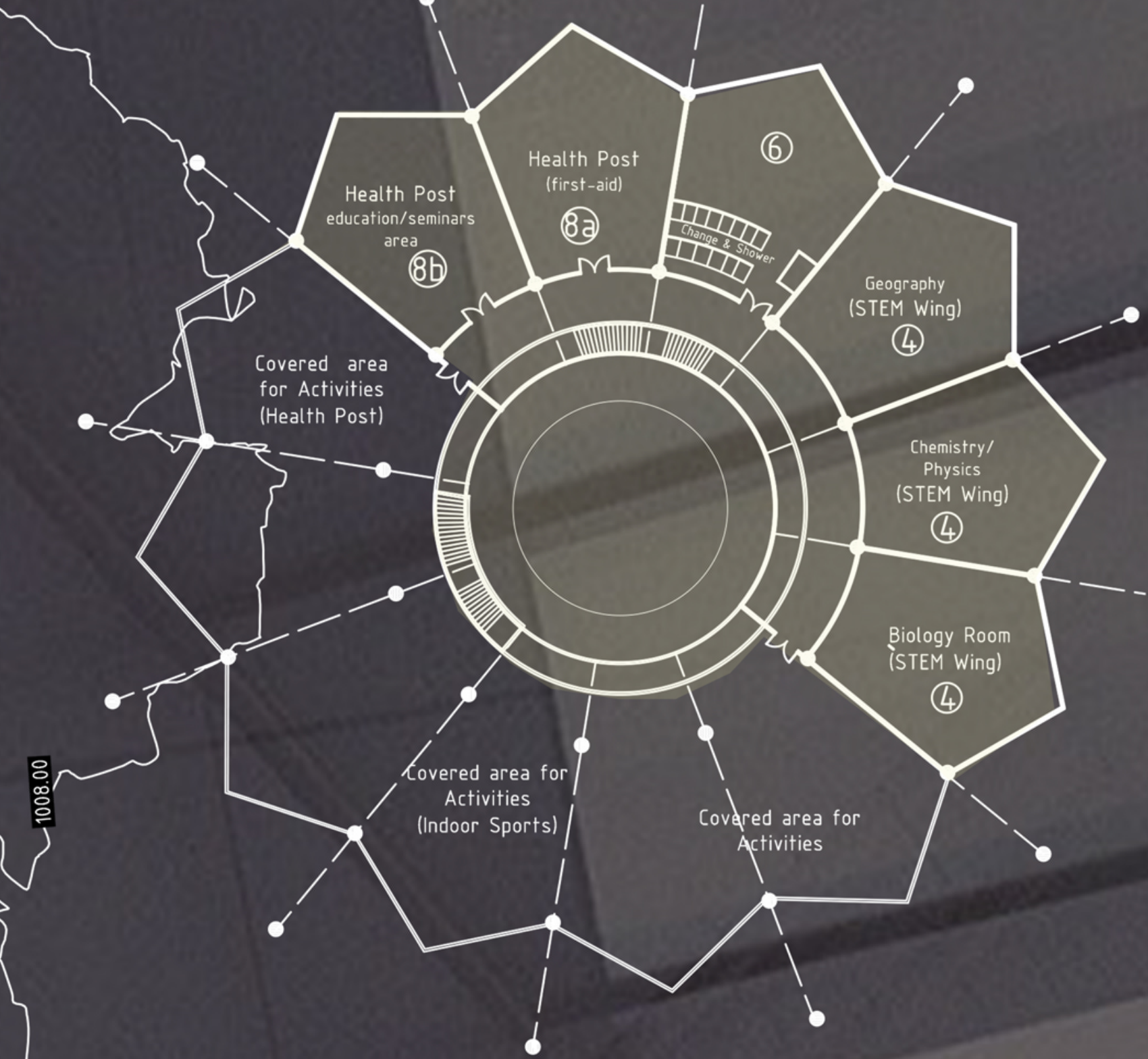
1	Reception Area
2	Programmatic Rooms
3	Digital Design Studio
4	STEM Wing
5	Cultural Corner
6	Indoor & Outdoor Sports Area
7	Library
8a	Health Posteducation/seminars area
8b	Health Post (first-aid)
9	Staff Office Area
10	Cafeteria
11	Auditorium
12	Restrooms

COAF SMART CAMPUS ARMAMVIR

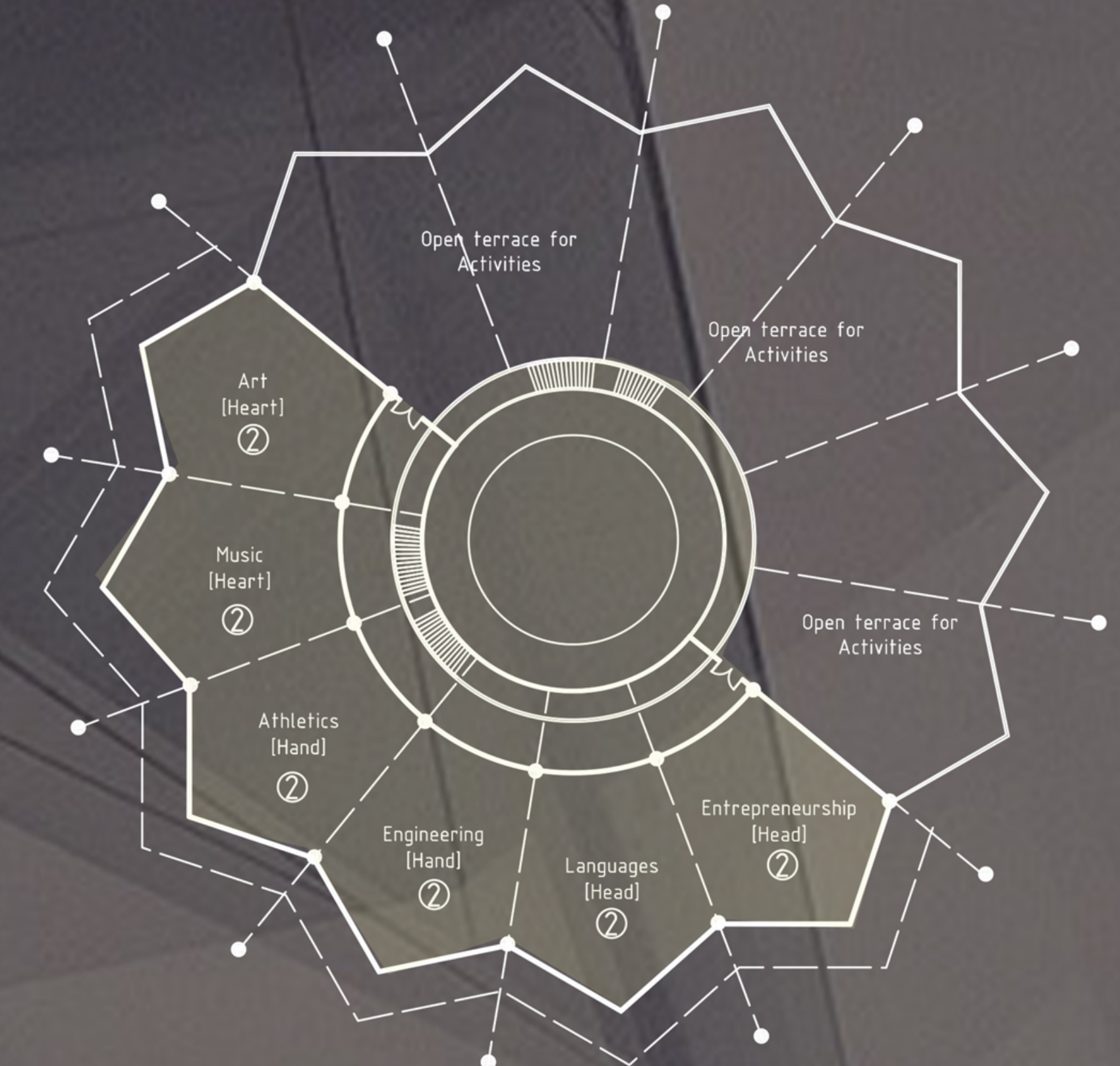
The contour profile leads to meeting of the three major drainage channels at the lowest level which has been developed as catchment area as water reservoir, promoting rain water harvesting.



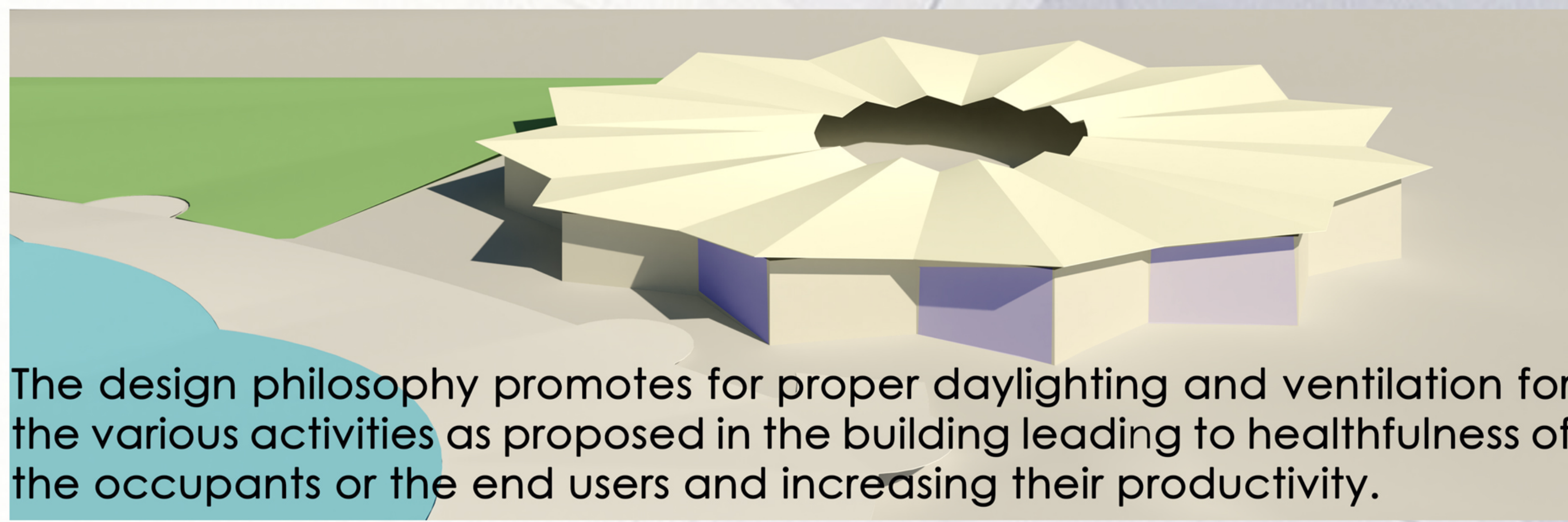
GROUND FLOOR PLAN



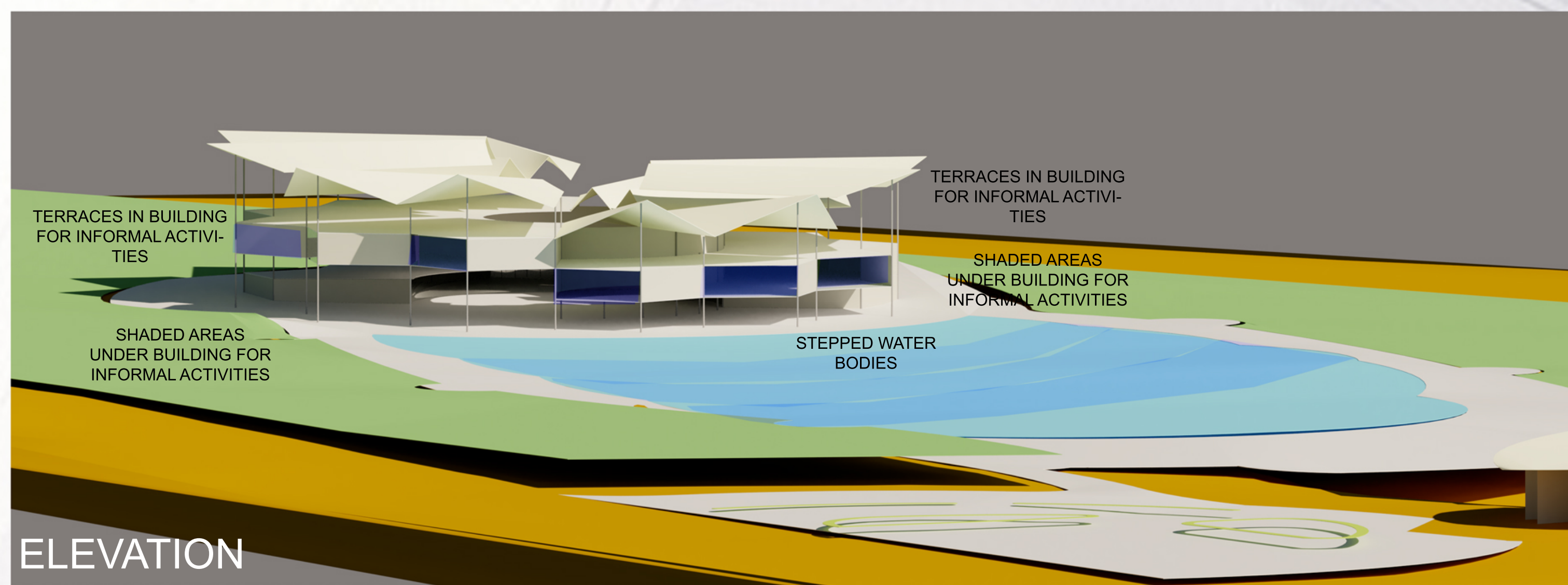
FIRST FLOOR PLAN



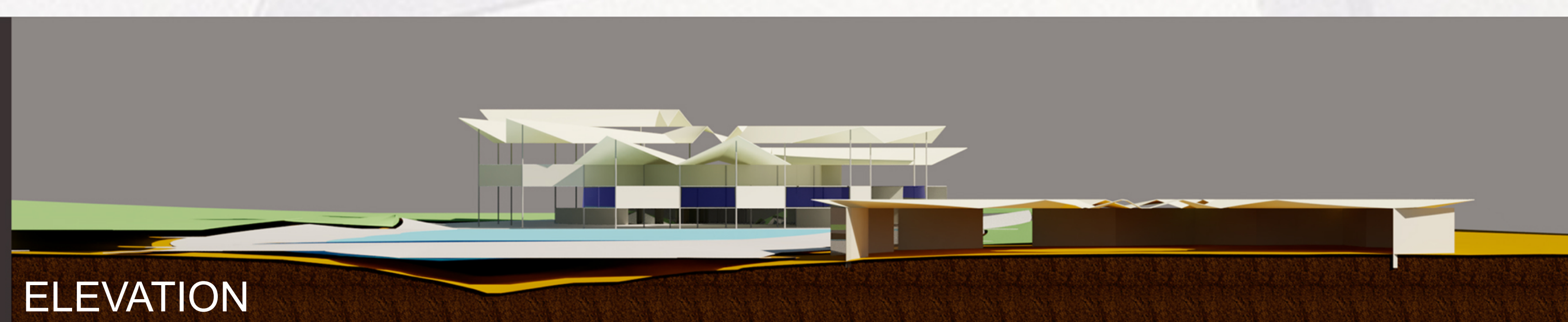
SECOND FLOOR PLAN



The design philosophy promotes for proper daylighting and ventilation for the various activities as proposed in the building leading to healthfulness of the occupants or the end users and increasing their productivity.



ELEVATION



ELEVATION

The design concept employs techniques to minimize adverse environmental impacts and reduce the energy consumption of a building, while contributing to the health and productivity of its occupants