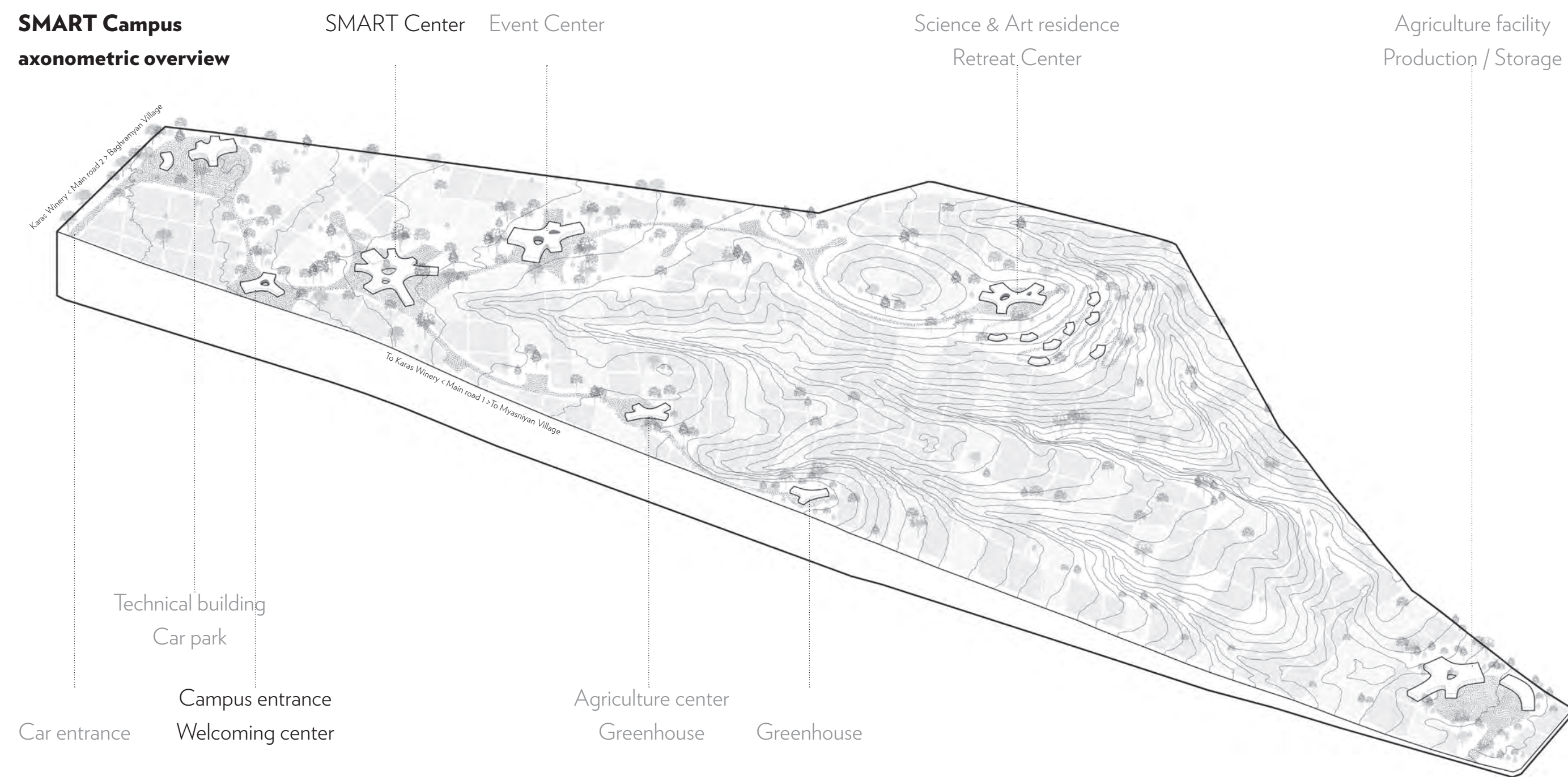
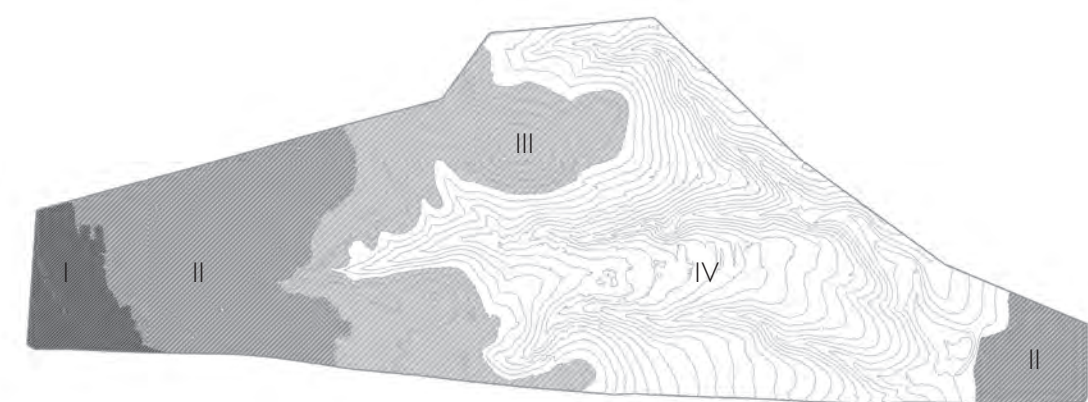


RURAL FLOWERS

The construction of the new smart campus will be similar to planting flowers on desert land, it will not only bring beauty to the region but also an optimistic outlook for the locals. The new campus is harmonious with its surrounding, its planning respects the natural topography, and its architectural language embraces the landscape. The beauty of Armavir is expressed in the well-lit spaces and in the generous views toward both Mt Ararat & Aragats. Inspired by the COAF initiative, the proposal hopes to bring positive changes to the rural of Armavir, from utilizing sustainable materials and resources to an architecture that promotes education, exploration, and multidisciplinary communication.

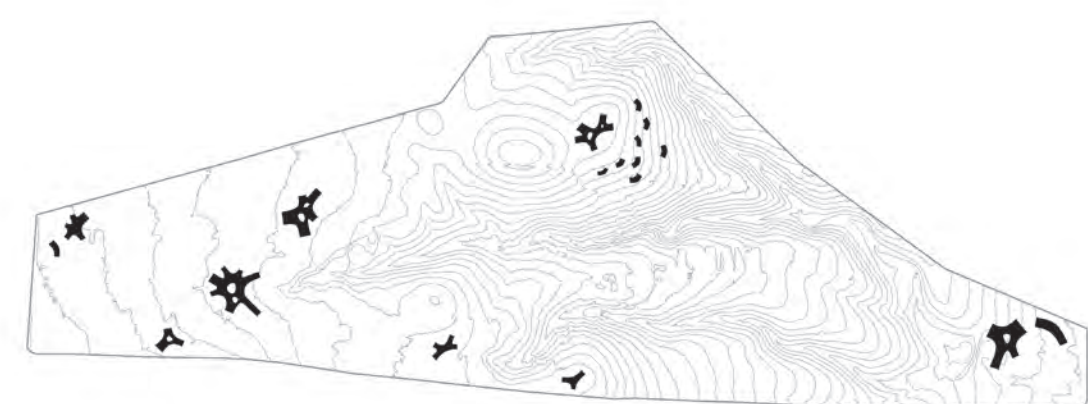


Planning diagrams



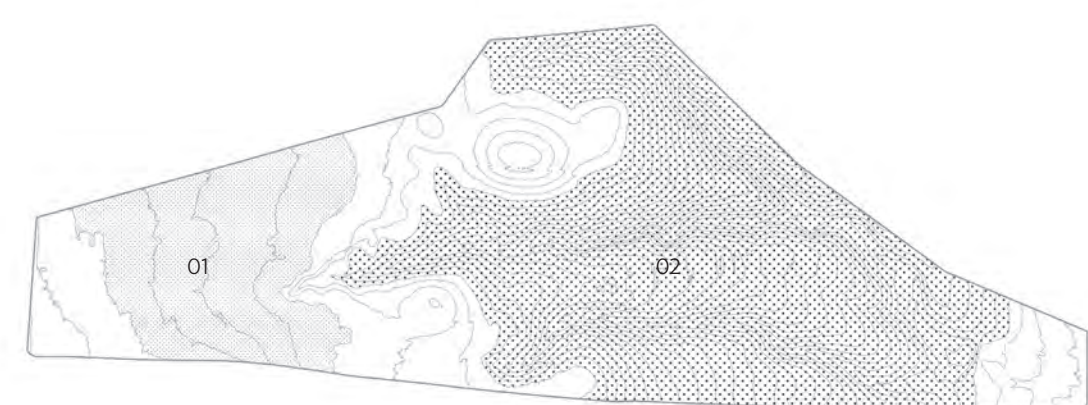
Zoning

The campus is divided into 4 zones based on different levels of intervention. Zone I is mainly for technical & supporting facilities because of its proximity to the national infrastructure network and is the easiest for maintenance without disturbing other zones. Zone II is where most of the buildings of the campus are built because of its relatively flat topography (less energy required for construction). Zone III is for leisure greenery and only buildings with agricultural and retreat purposes. Zone IV is strictly for agricultural activities.



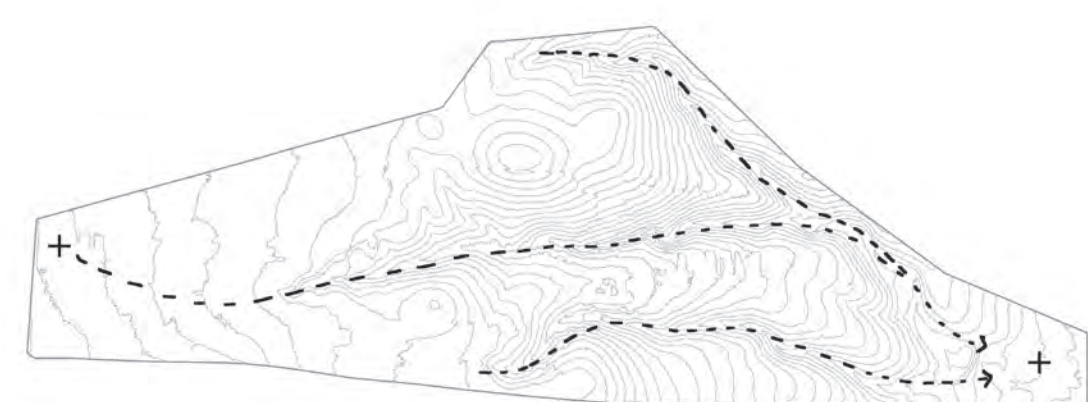
Architectural language

The design express not only the language of nature but also the beauty of the context. The main purpose of the variation of architectural forms between buildings is to be coherent with nature as well as with each other, they act and react accordingly similarly to that of living organisms. They open up for daylight, stretch to reach for great views, make space for activities and to welcome people in.



Agriculture

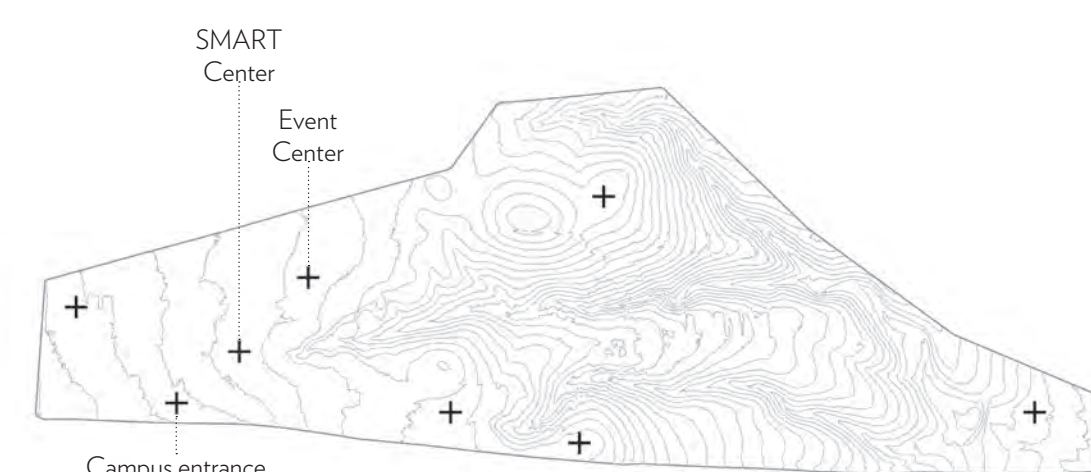
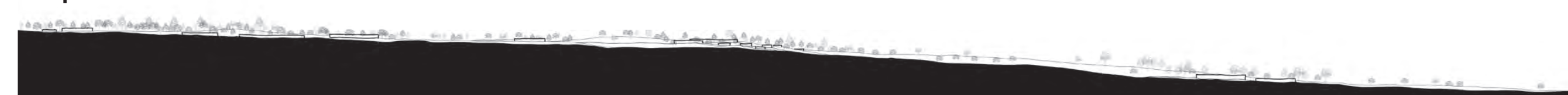
There are two different types of agriculture farms on the site. Zone 01 is for flat farms and zone 02 is for stepped farms. Farming species should be selected accordingly to not disturb views and activities while also retaining the natural flow of water (trees in the higher ground should have the quality to hold water longer in its root before releasing to the lower ground).



Technical concept

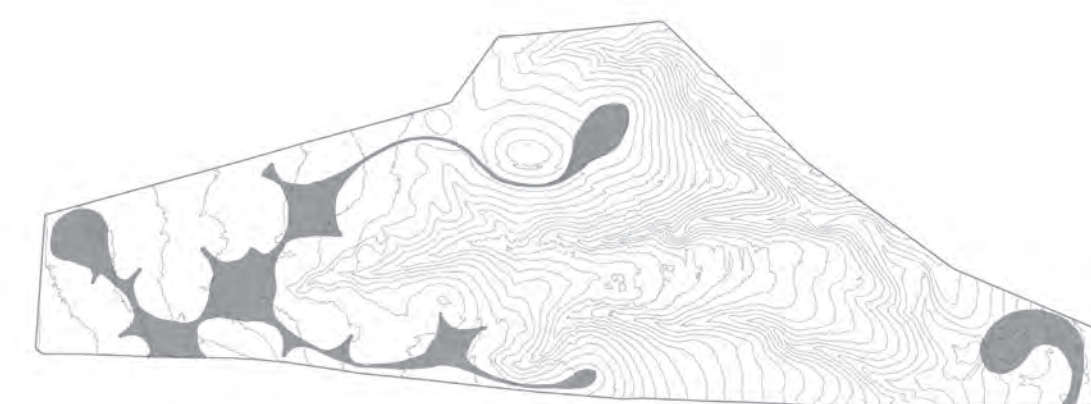
Electricity production/storage and supply are located to the West end of the site as it is closest to the main roads (easy for maintenance and supply from national grid). Water related technical facilities (storage, filter, distribution) are to follow the natural flow of water as expressed in the existing landscape to minimize the required energy usage.

Campus south elevation



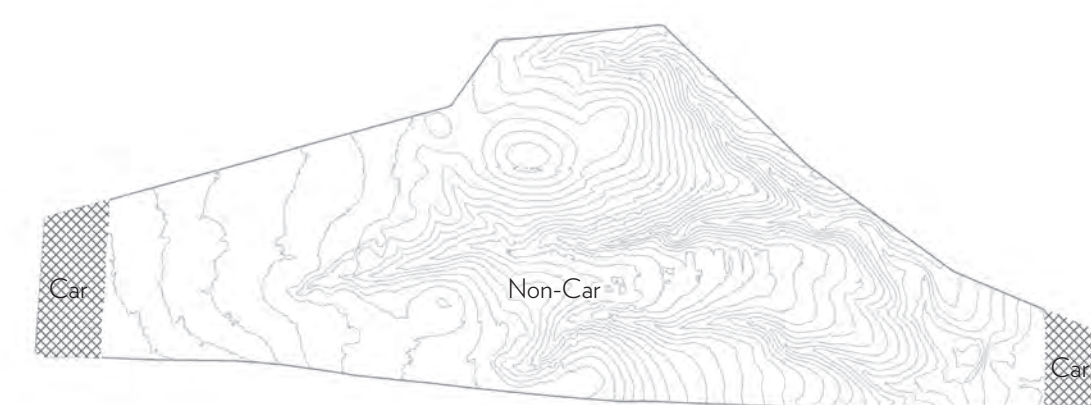
Buildings locations

Buildings are located based on the basic zoning as well as their relationship to the existing context. Campus entrance is located nearer to the Karas Winery as it is the most important cultural building in the proximity. The SMART Center and Event Center both share great views toward the mountainscape. Technical facilities as well as agricultural production/storage facilities are located on two different ends of the site to minimize the disturbance they may cause to other programs.



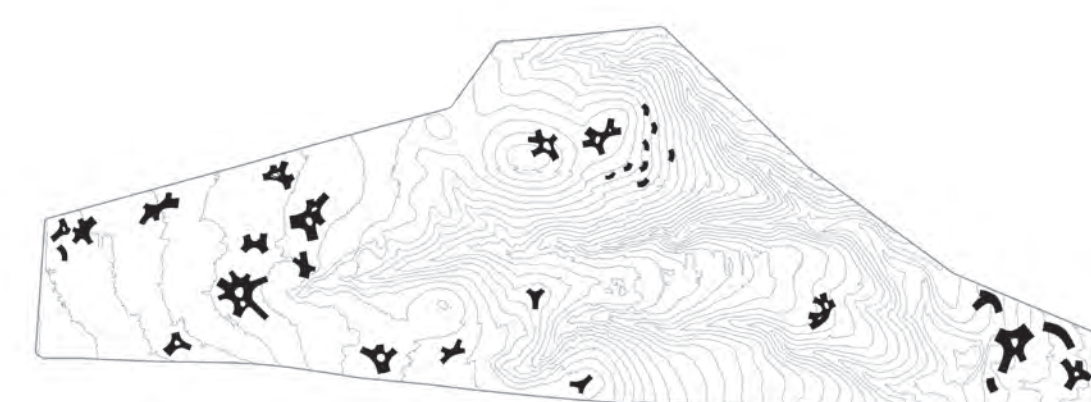
Building landscape

Controlled landscape that will host most outdoor activities are connected and kept to a minimum, the remaining area should be for natural tree species to thrive and also for agriculture activities. The shape of the landscape follows the guideline of the topography and it also reacts accordingly to the buildings language.



Car zone

Motorized vehicles are only allowed to operate on the two opposite ends of the site to minimize their potential disturbance. The West side is mostly for normal car park and visiting cars, the East side is for trucks and other related agricultural production/storage transportation activities. Bike, electrical vehicle and other sustainable modes of transportation are used on the rest of the campus.



Growth

As the COAF initiative and the campus grow, new infrastructures and architecture may be required. The future growth of the campus could be made as simple as planting more architectural "flowers" to the land, preserving the identity of the campus while enriching the context and securing its future.

SUSTAINABILITY

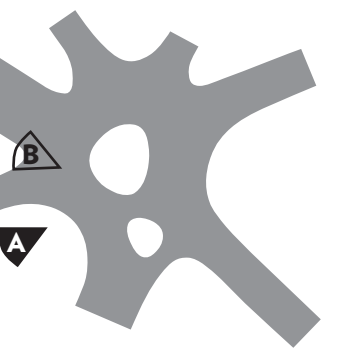
From the technical concept to programmatic planning, from architectural language to the selection of materials, the making of the new campus is to be kind and sustainable. Buildings are kept simple to minimize energy-intensive construction and to make sure that local workers can assemble the campus, helping not only the local economy but also making the campus a part of the community from the very beginning. The main building material is Cross-Laminated-Timber because of its promise of sustainability, its technical quality as well as its spatial sensitivity. Buildings are to be planned with green roofs so birds, insects, and animals can coexist alongside people and further enrich the land.

INVITING

From afar, the building appears to be one with the landscape, it is a gentle architecture following the slight sloping contours of the existing topography, it is low enough to be humble and immersive with the many trees that are to be planted. The building's generosity with daylight and greenery, its transparency and captivating views to all different directions will be among the values that attract the local community and inspire the young knowledge-seeking generation.

RURAL FLOWERS

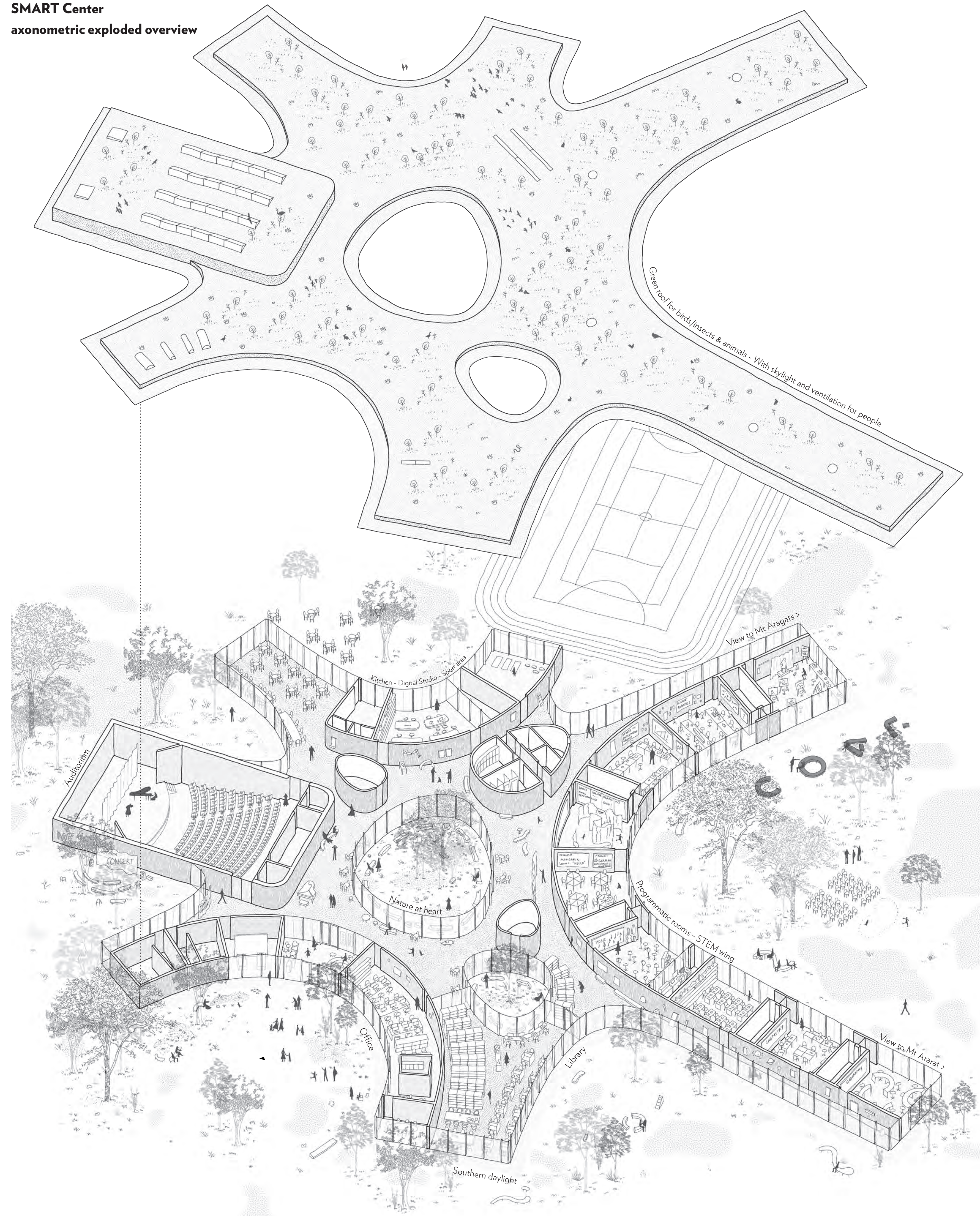
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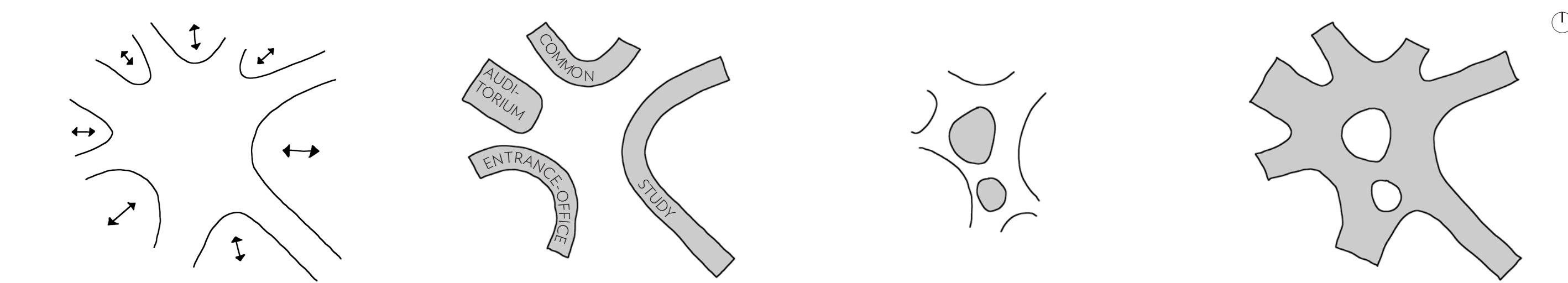
EDUCATION - COLLABORATION - EXPLORATION

The new SMART Center is about education as much as it is about collaboration and exploration. Classrooms can be connected to their "neighbors" for multi-disciplinary exchange and collaboration, storage rooms are shared between every two classrooms. Between all of the programs, a shared cultural-community space bridges everything together. Even without entering the classrooms, children have spaces to explore, from the many gardens to the community library, from the study galleries exhibiting many students' works to the breath-taking views to the great mountains.

**SMART Center
axonometric exploded overview**



Architecture diagrams



Context From all directions, the building makes spaces for various entrance and landscape situations. Sometimes it is to welcome, to invite, sometimes it is to bring nature closer by its side.

Programs Programs are organized according to the context, the entrance points toward the Karas Winery, the study quarter frame the view of the mountainscape, the library catches the southern daylight.

Heart Two open gardens/courtyards are at the heart of the building. People and activities are connected with nature being at the center of everything, because nature promotes health and sustainability.

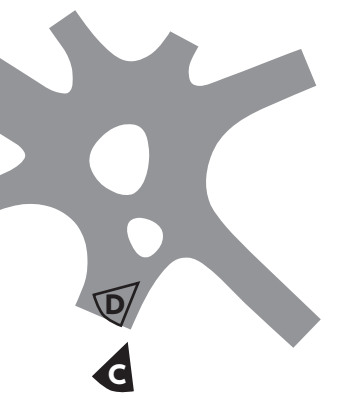
A rural flower The building has an organic shape, like a flower in the vast landscape, elegance to its surrounding and gentle to its visitors, humble in its architectural gestures but promising to the future of the land.

ARARAT & ARAGATS

The project is convinced that the great mountainscape could contribute greatly not only to the identity of the campus, the center but also to the pride and aspiration of the young generations. That's why throughout the architecture, from the library to cafeteria and especially in the classrooms, the great Mt Ararat and Aragats are always in the presence. Thus even in the humble scale of the architecture, the great views are always there to promise inspirations.

DAYLIGHT

The architecture is seemingly in a constant movement, whether it is to react to sunlight or to the blowing wind. The whole building seems to be in sync with its context. Travelling around the block, the students will always find a different visual experience, a new bird on a new garden, a new inspiration, a fresh perspective.



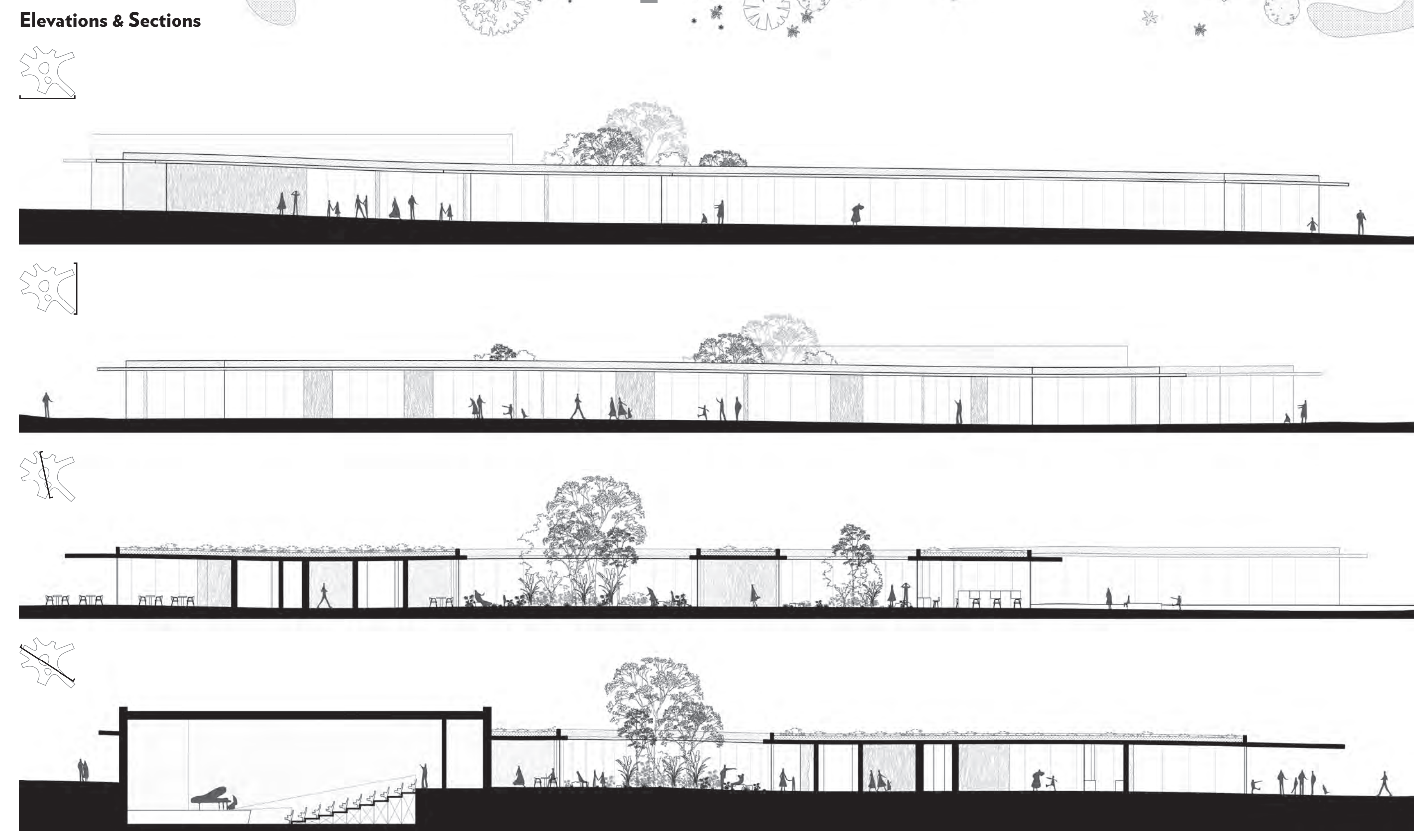
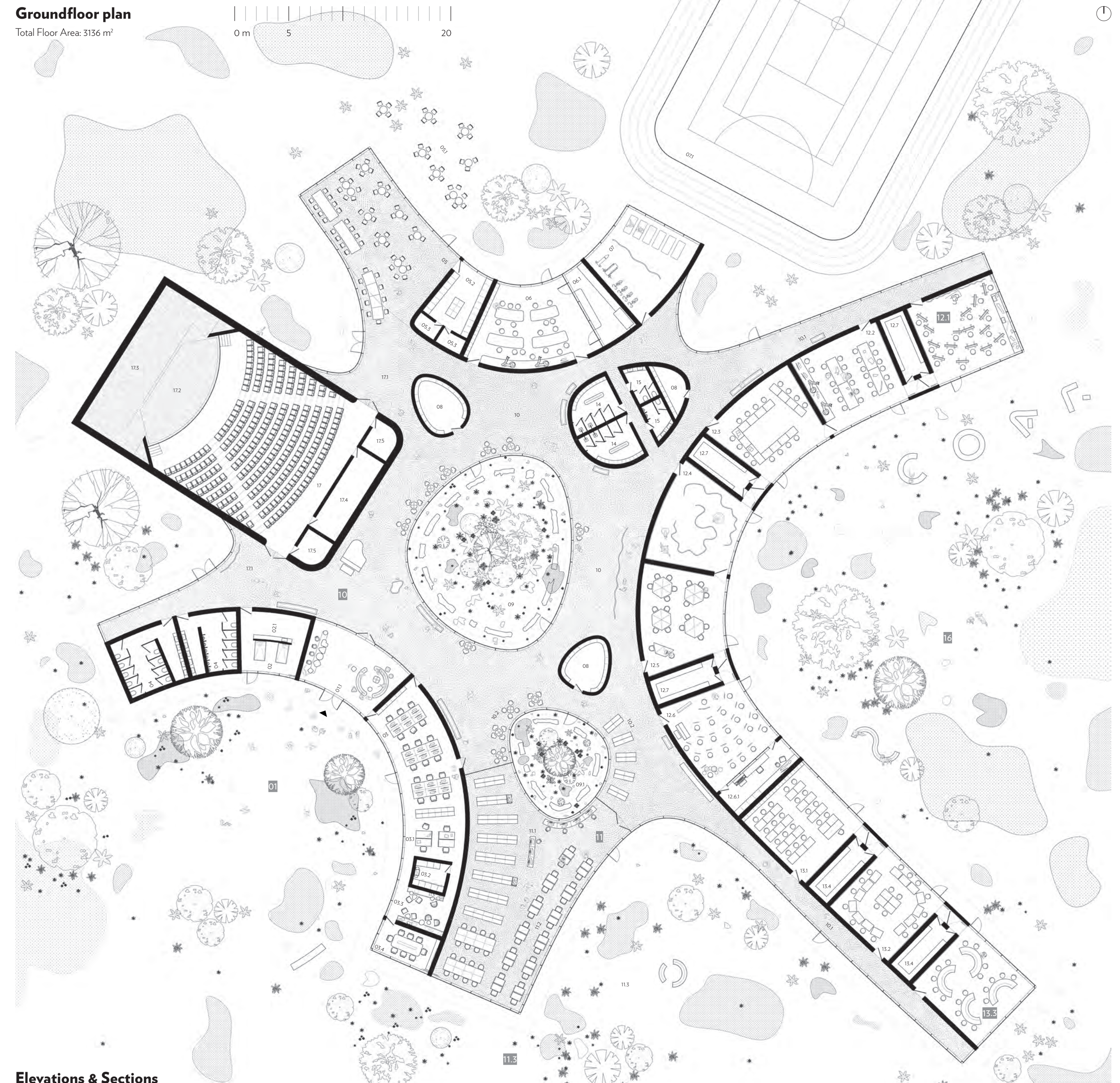
C. Library landscape | Facing southern light



D. Library | View to mount Ararat



Entrance - Office programs		Common programs		Study programs		STEM programs		Arts programs			
01	Entrance landscape	05	Cafeteria	091	Library garden/Outdoor exhibition	122	Hand Engineering & Robotic	134	STEM Shared storage room	151	Art Sculpture
02	Reception area	50m ²	051	Outdoor cafeteria	10	Community/Cultural/Meeting area	123	Head Entrepreneurship & Economic	14	Lockers/Changing room with shower	18m ²
02	Health post	33m ²	052	Kitchen	101	Study gallery	124	Head Athletics, Dance & Theater	15	Restroom	7m ²
02.1	Health post seminar area		053	Fresh/Cold storage room	102	Community library area	125	Head Language & Social skills	16	Study landscape/Outdoor learning area	
03	Staff office area	142m ²	06	Digital design studio	11	Library	126	Heart Music & Performance	17	Auditorium	390m ²
03.1	Individual work cubicles		061	Tool/Workshop/Hardware room	11.1	Computers/Information area	126.1	Recording studio	17	260-seats Auditorium hall	
03.2	Resource room/Kitchenette	8m ²	07	Indoor sport area	11.2	Individual reading area	127	Shared storage room	17.1	Auditorium meeting area	
03.3	Lounge area	19m ²	07.1	Outdoor sport area	11.3	Library landscape/Outdoor reading area	128	STEM Wing	17.2	Stage	40m ²
03.4	Meeting room	17m ²	08	General storage	12	Programmatic rooms	13	Chemistry/Physics class	17.3	Backstage	60m ²
04	Wheelchair-friendly restroom	27-33m ²	09	Central Garden	12.1	Heart Art & Sculptor	13.1	Biology class	17.4	Lighting/Technical/Projection room	25m ²
						13.2	Geography class	17.5	Translator's room	8m ²	



STUDY LANDSCAPE

Education can happen anywhere, not only in the classrooms but also out amidst nature. Classrooms are also arranged so that students from different fields can cross paths, music classroom is next to language study, robotic and engineering works happen next to the making of art, dancing class is right next to the discussion of entrepreneurship and economics... "heart", "hand" and "head" are always together. The study landscape, from indoor to outdoor, promotes diversity, multi-disciplinary exchange, and communication, so every student would be aware and be empathic to the broader spectrum of knowledge, so every student could be daily inspired and motivated.

PROGRESS

"Education is the main catalyst for progress and change", this project is inspired by the philosophy of COAF, it hopes to provide inspiring spaces for education, not only for the students but also for the whole community, not only in the classrooms but also between the classrooms, not only indoor but also out in the physical world. The new SMART center promises to provide generous spaces not only for people but also birds, insects, and animals. The new SMART center promises not only an exciting future but also a sustainable one.

RURAL FLOWERS

