

COAF SMART CAMPUS ARMAVIR

PROPOSAL BRIEF

Our proposal for the new SMART Campus competition is located in Armavir region, the western part of the specified territory (due to existing poultry factory odor) on the elevation of 1012m. Overall area of 117.7 hectares is divided in two parts: educational-residential /24.7 hectares / and agricultural /93 hectares/ with separate entrances.

THE AREA

Keeping in mind the main goal of having the central building to include all necessary functions for attendants, a separate open-air sport complex both for internal use and for the use of adjacent communities, is designed in the northern part. The event center in the south-west part of the territory adjacent to "Karas Wine" factory consists of event hall, underground winery and gallery. All buildings mostly have glazed facades with direct view to Mount Ararat on south and Mount Aragats on north. Additional residential zone in the southern part of the territory adjacent to the main road is provided for invited professors and guests attending different events. Internal communication types are mainly bicycle, scooter and golf-car adapted with possibility to be used by regular cars in case of necessity and service purposes.

THE SMART CAMPUS

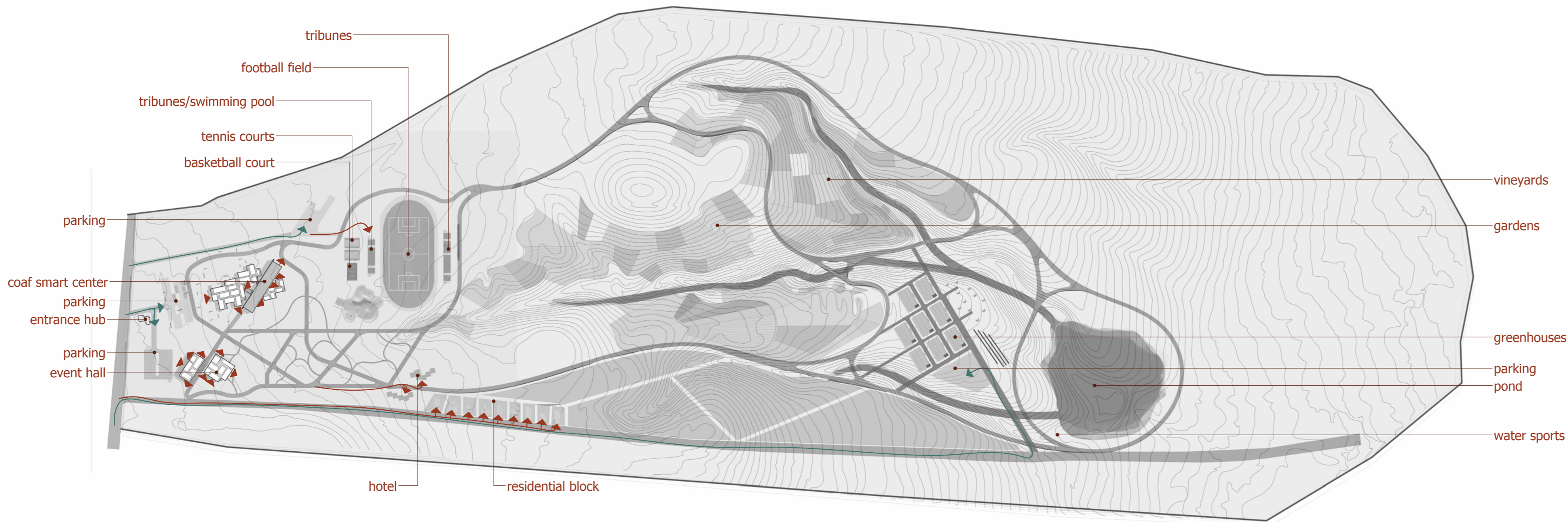
The vision of SMART Campus building is based on the idea of lines and dots which allow us to design transparent areas with in-out logic. With no walls intersecting, which we call "free walls", all spaces are meant to be interconnected, transparent and "free of frames". This system of orthogonal grid should emphasize the regimen of educational process with the softness of transparent areas. There are four main zones distributed according to the functions. Auditoriums and library on the west, inner plaza in the center and fine arts and performance arts separated by sport zone on the east. The modular design allows further smooth development of this building in all directions. Though the building main floor is on different levels, each zone separately has no level disruptions with smooth and accessible connections between each other. To emphasize the simplicity of the building only three materials are used: concrete, glass and volcanic tuffa stone as a local accent. To enhance the insulation level of the building multiple skylights are integrated in the composite flat roof.

THE AGRO LANDS

With around 90 hectares of land this site allows to develop vineyards, fruit gardens (depending on the soil analysis) as well as small scale all-year-round agriculture in the greenhouses located in the eastern part of the site. To provide sufficient water resources we propose the collection of all on-site surface water to the existing pond, enhancing it to a small-scale dam with further possibility to use it for water sports such as rowing, kayaking.



Master plan



Flow chart diagram



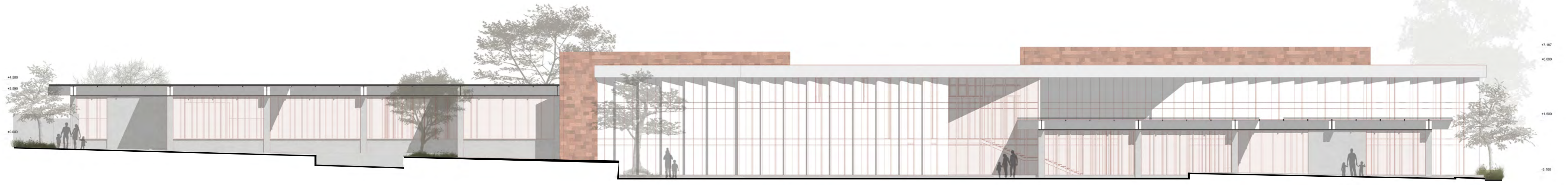
Master plan



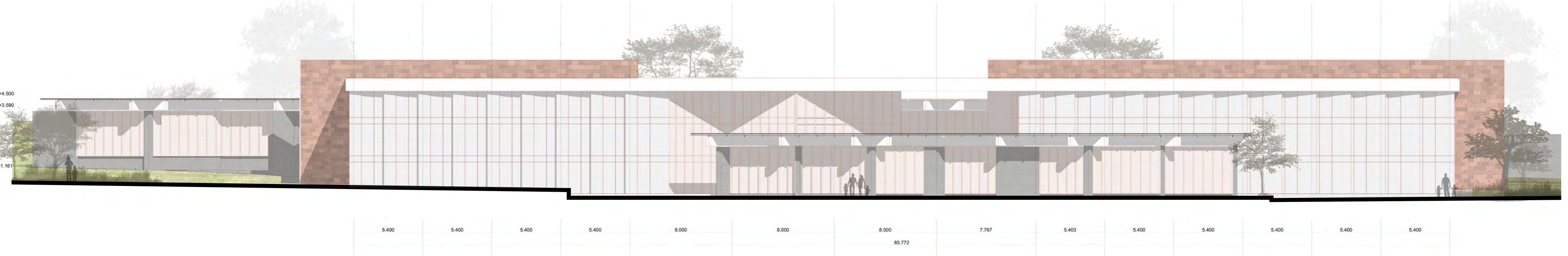
Elevation 1



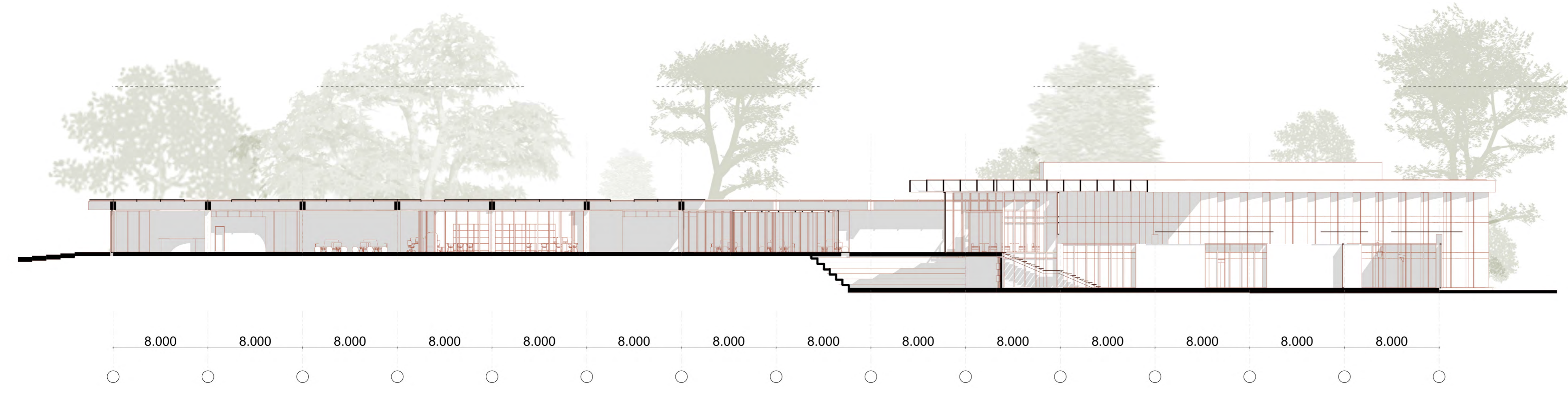
Render 1



Elevation 2



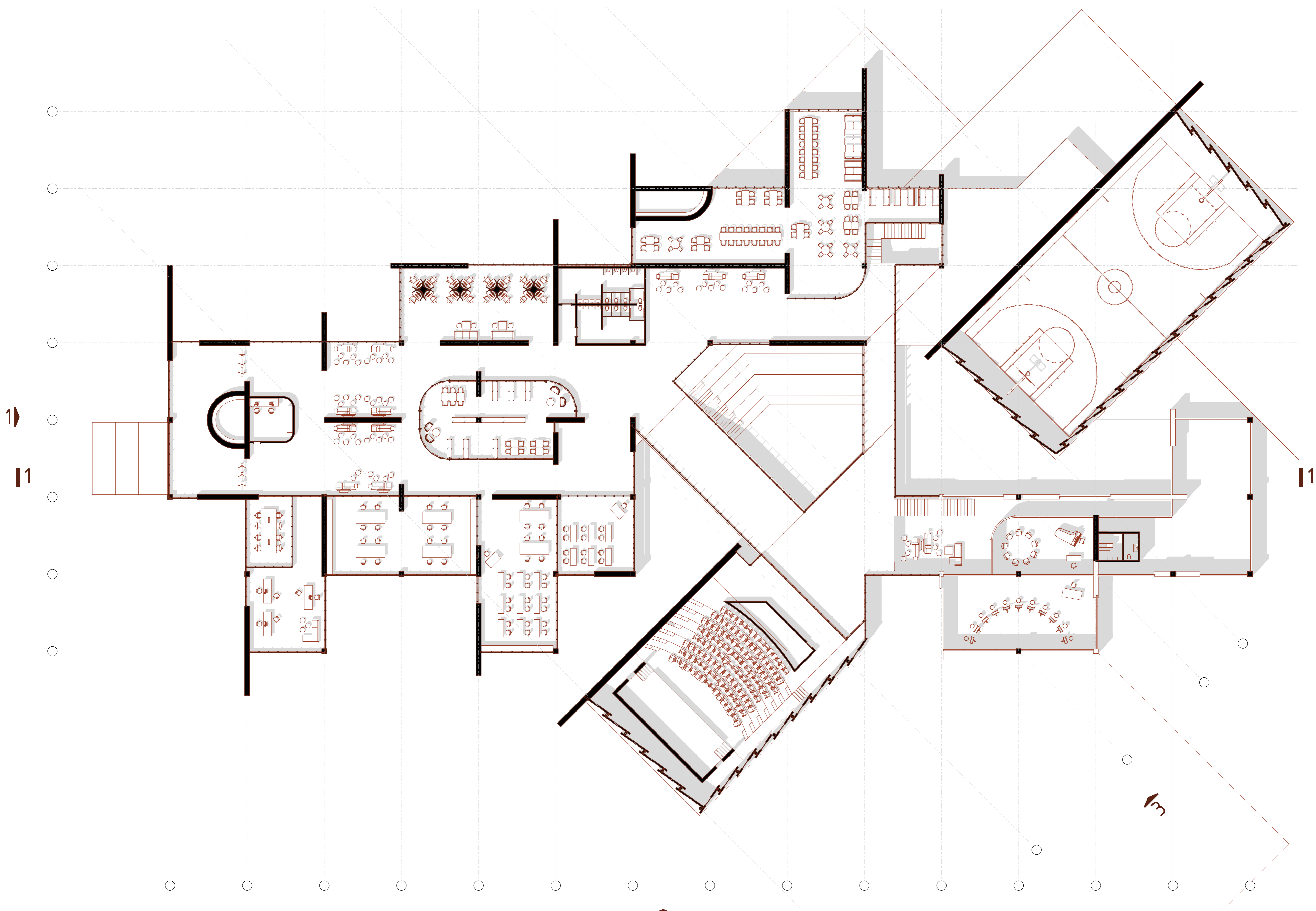
Elevation 3



Section 1-1

ROOM LIST

Reception:	20 m ²
Staff area:	122 m ²
Library:	110 m ²
Robotics class:	124 m ²
Math classes:	184 m ²
Digital design studio:	124 m ²
Cafeteria:	300 m ²
Auditorium:	370 m ²
Indoor sport area:	550 m ²
Fine arts:	120 m ²
Dance and yoga studio:	171 m ²
Music studio:	112 m ²
Event hall/Restaurant/Winery:	1900 m ²



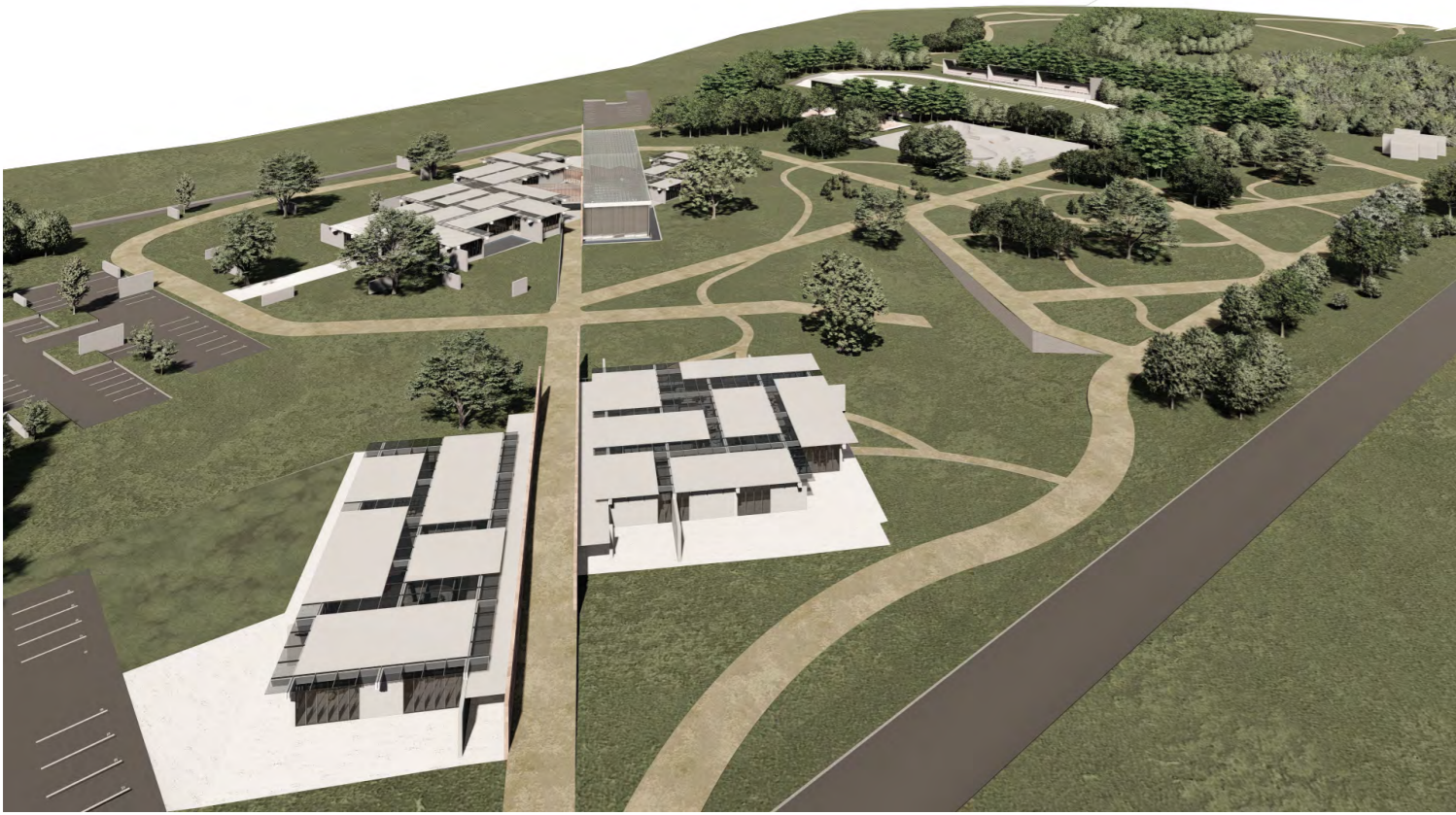
Floor plan



Render 2



Render 3



Render 4



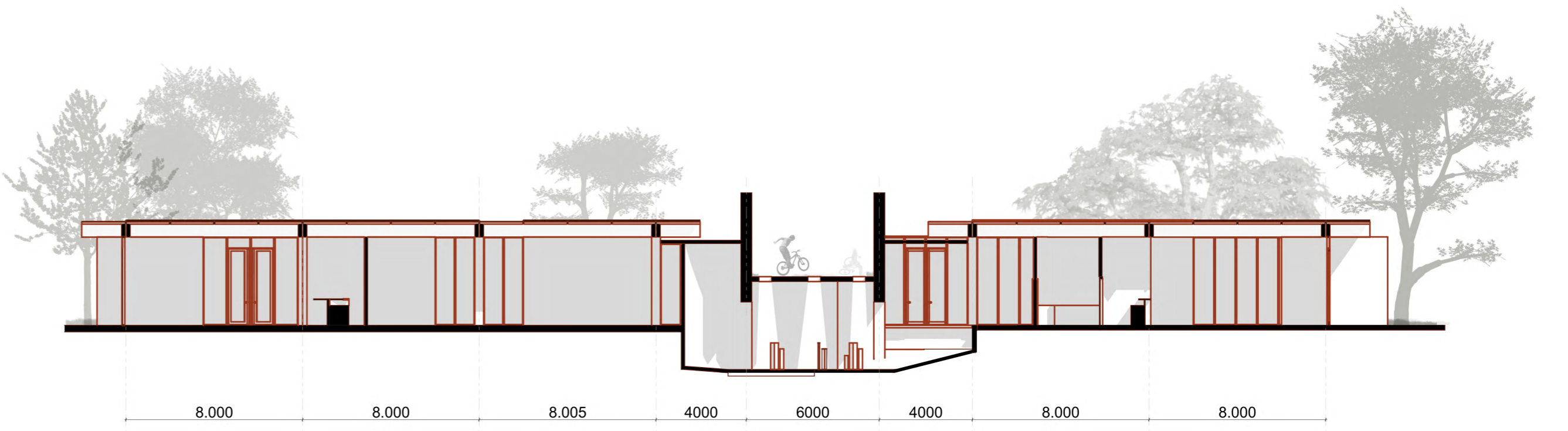
Interior render 1



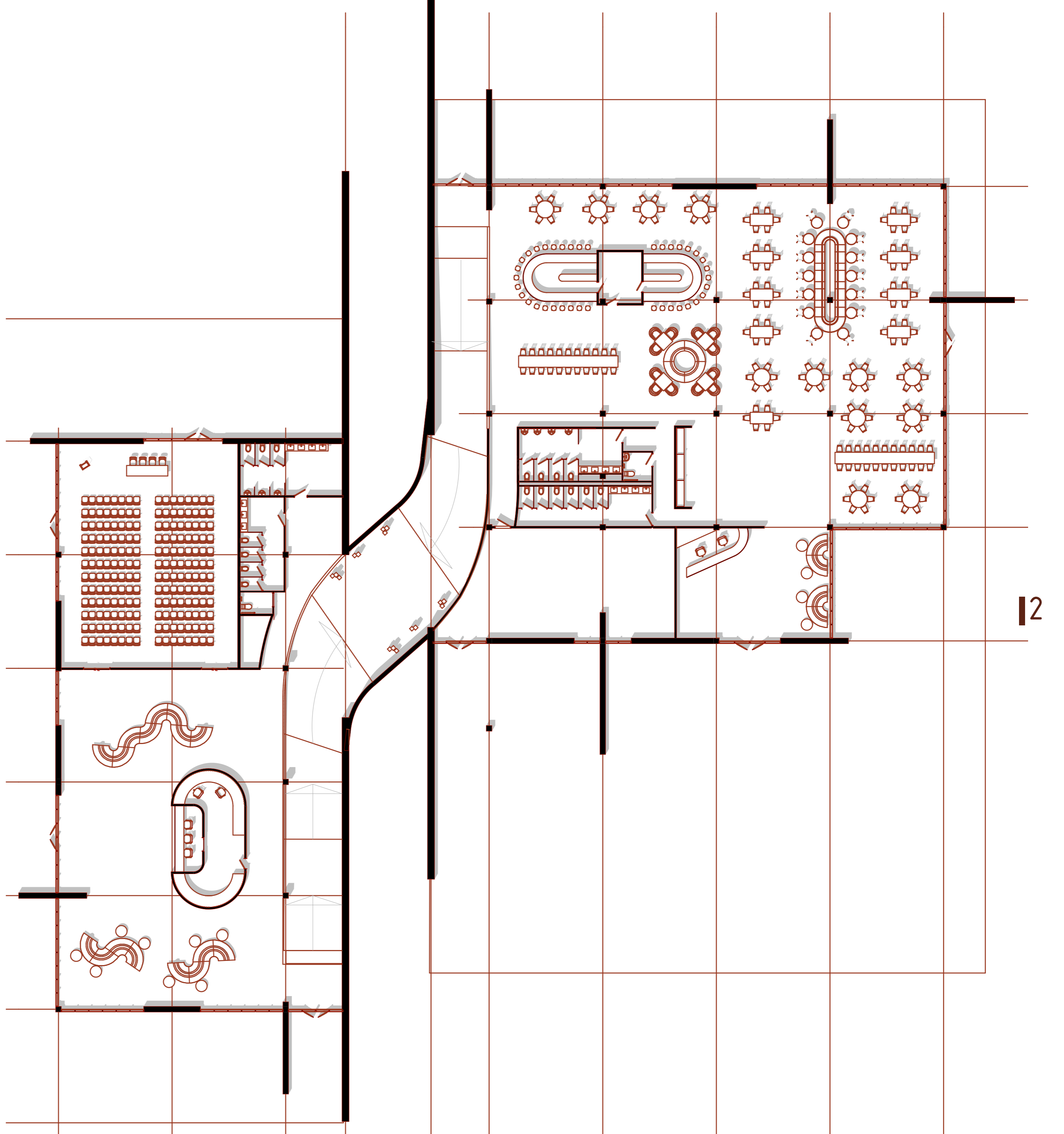
Interior render 2



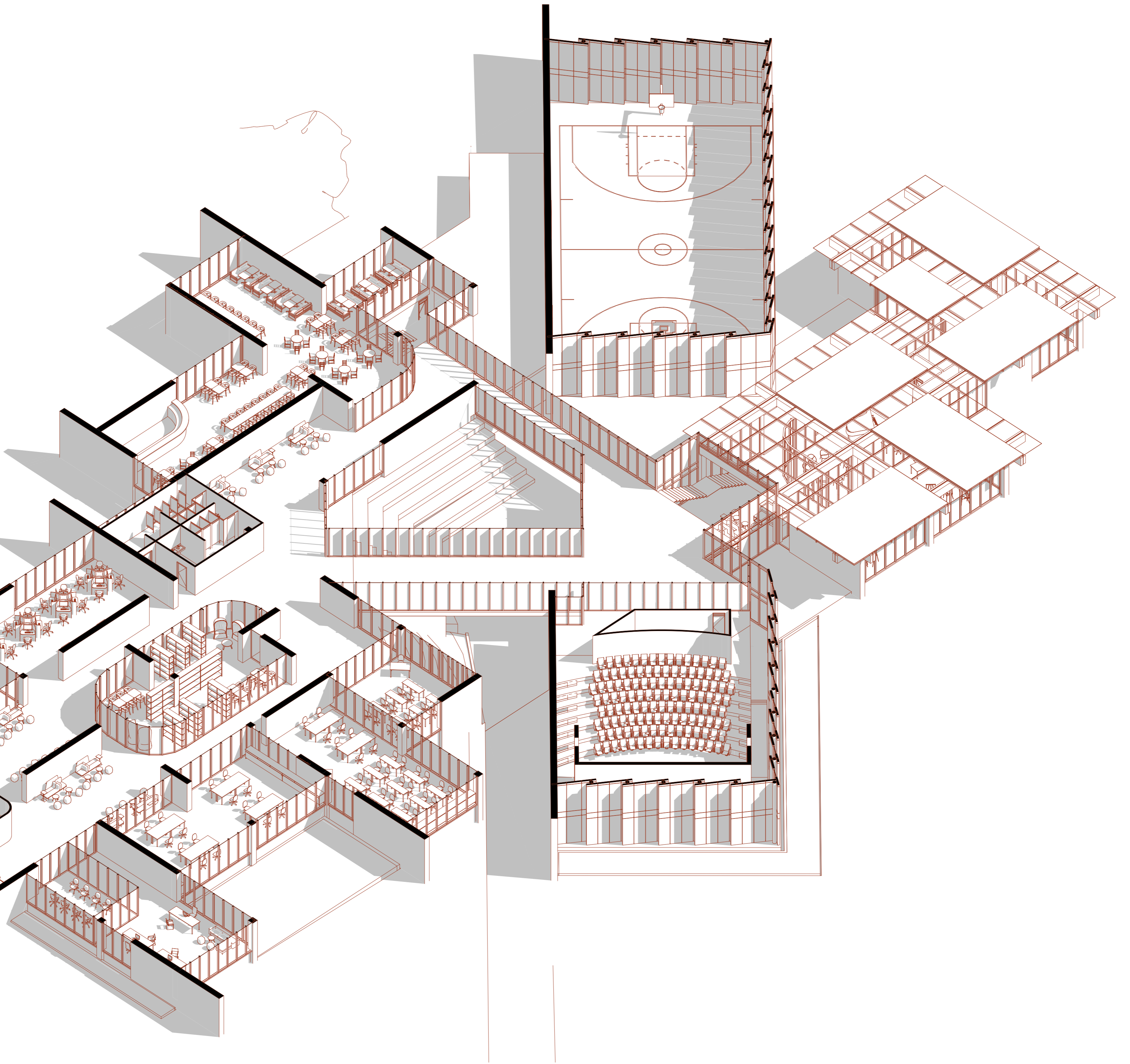
Interior render 3



Event hall section



Event hall floor plan



3D diagram