

- 1 entrance checkpoint
- 2 parking area
- 3 garden
- 4 vineyard
- 5 water reservoir
- 6 greenhouses
- 7 septic waste management
- 8 outdoor sports area
- 9 educational building
- 10 event building
- 11 industrial vehicle parking area
- 12 observation deck

- educational building visitor traffic
- pedestrian access to educational building
- vehicular access to storage area
- pedestrian access to event building
- vehicular access to parking area
- administrative zone
- public zone
- educational zone

COAF SMART CAMPUS ARMAVIR

PROJECT DESCRIPTION

The site for the Smart Village is located in the Armariv province. The distinguishing peculiarities of the area are the landscape, hot and dry climate and breathtaking views of Ararat and Aragats mounts. The rocky desert site, with curves and gorges, opens to Ararat Valley and mountains features a unique charm and creates a special spirit.

The design principles are driven by the scene, vast and empty, in an attempt not to interfere with the natural environment, but to use the structures to emphasize the ambience in a non-interventionist manner instead. The design idea: the structure in the desert landscape is like an aquarium in a house.

The plot is prolonged, extending from east to west. The comparatively flat elevated western and northern areas are designed for fruit gardens, while the slopes to the east of the structures will be planted with vineyards. Thus, 30% of the site is used for agricultural purposes.

The composition consists of two main volumes – an educational building and an event building, a parking lot for 120 vehicles, which can be covered by solar panels to provide supplementary energy to the complex, a bridge connecting the educational building with the parking area and a road leading to the event building. There is a separate vehicular access to the storeroom and kitchen in the educational building.

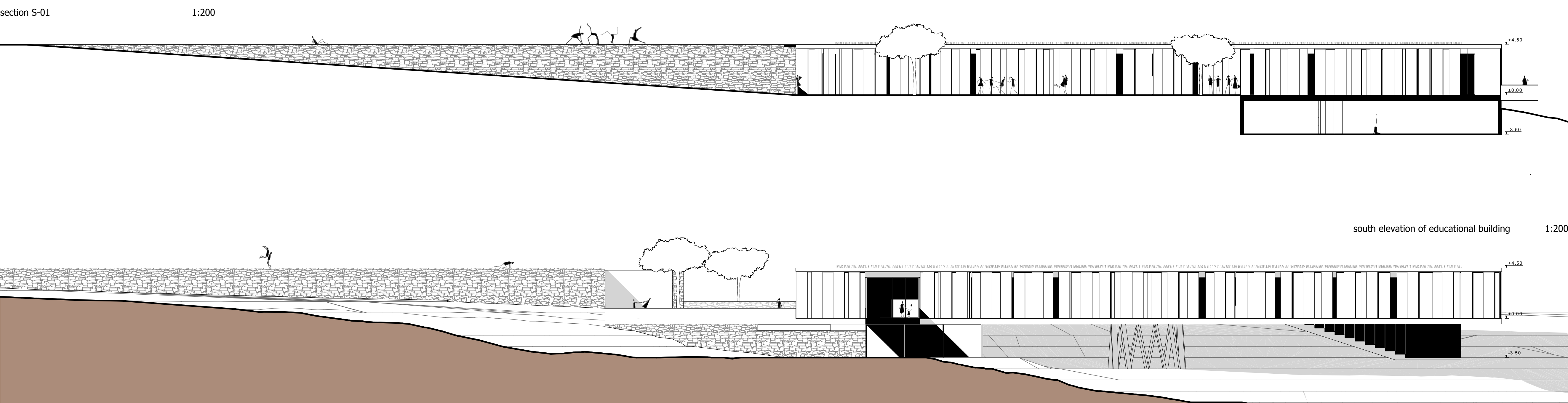
The highest points of the main structures are at the same altitude as the landscape peaks. The geometry of volumes is consonant with the desert landscape.

The educational building with a full-length sliding glass facade is a square structure, measuring 63x63 meters, which envelops a 58x58 m glass core. A 3-meter-wide passage formed between the core and outer glass walls performs a sun protection function.

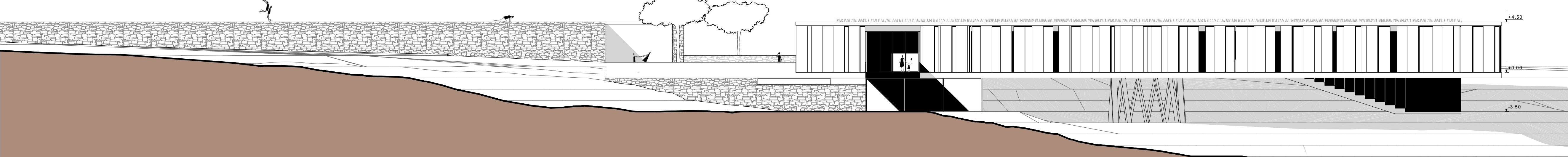
The floor plan is open in its composition. Architectural volumes serving different purposes are freely arranged in a square box, providing floor zoning. The structure features multiple skylights, which provide the deeper parts of the structure with natural sunlight and ventilation. The northwestern section of the structure rests on the natural landscape, while the southeastern corner hanging over the gorge uses the auditorium stage as a support. The service areas are in the southwestern part of the building. The dining area on the ground floor can be extended outside through the covered terrace during the warmer months. The outdoor sports ground is located on a leveled area supported by a retaining wall, faced with local stone northwest of the educational building, with which it is connected by a wide ramp.

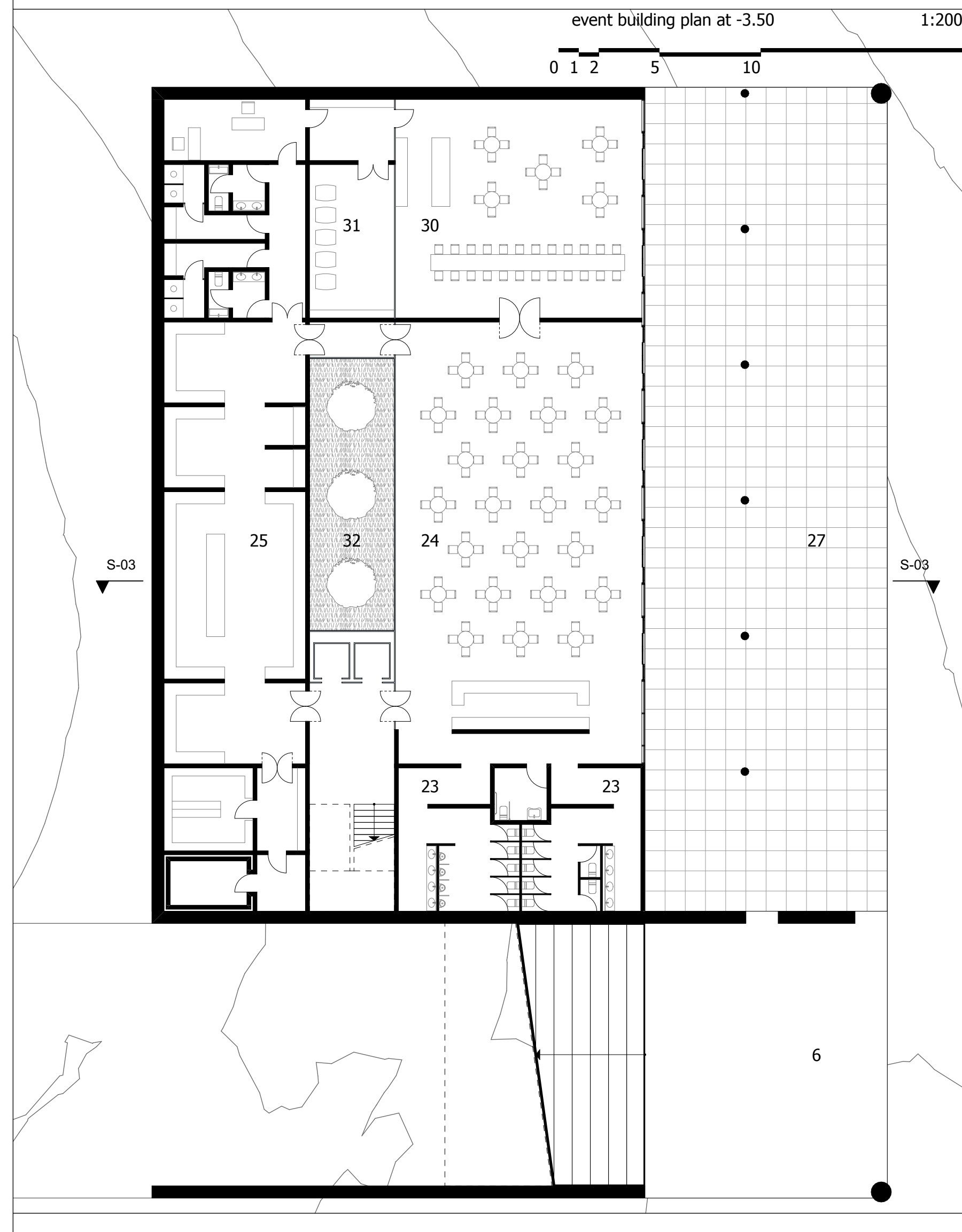
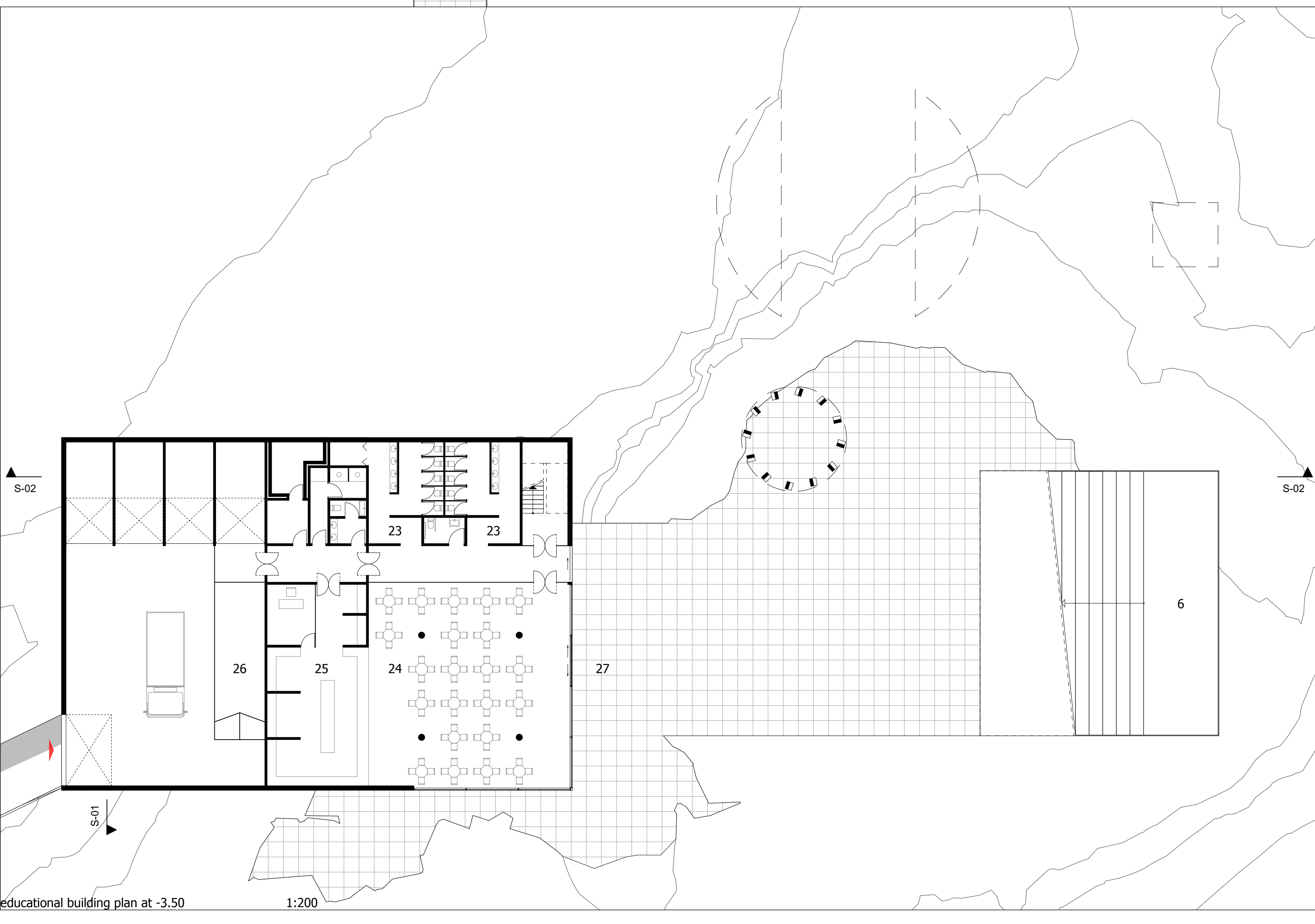
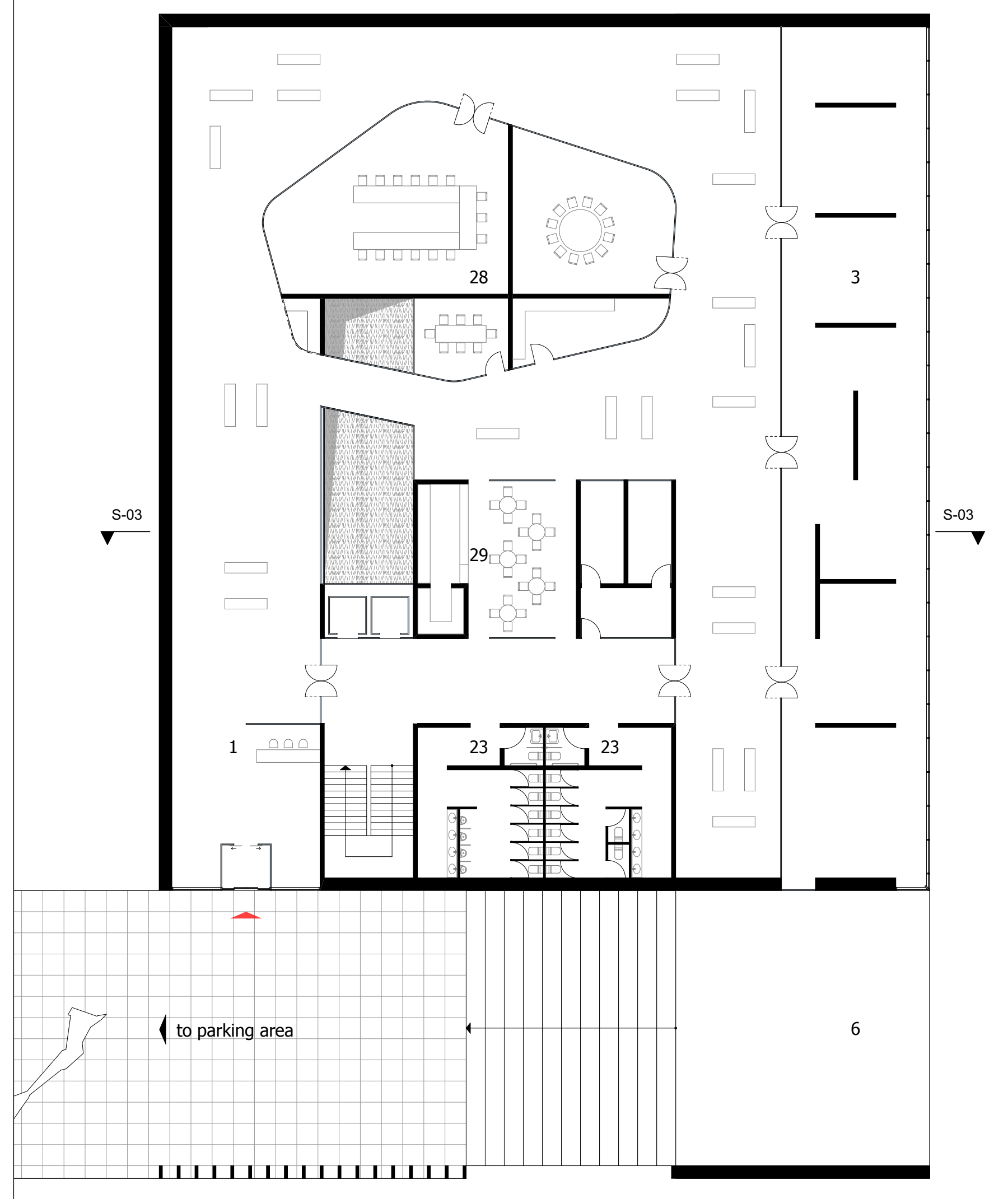
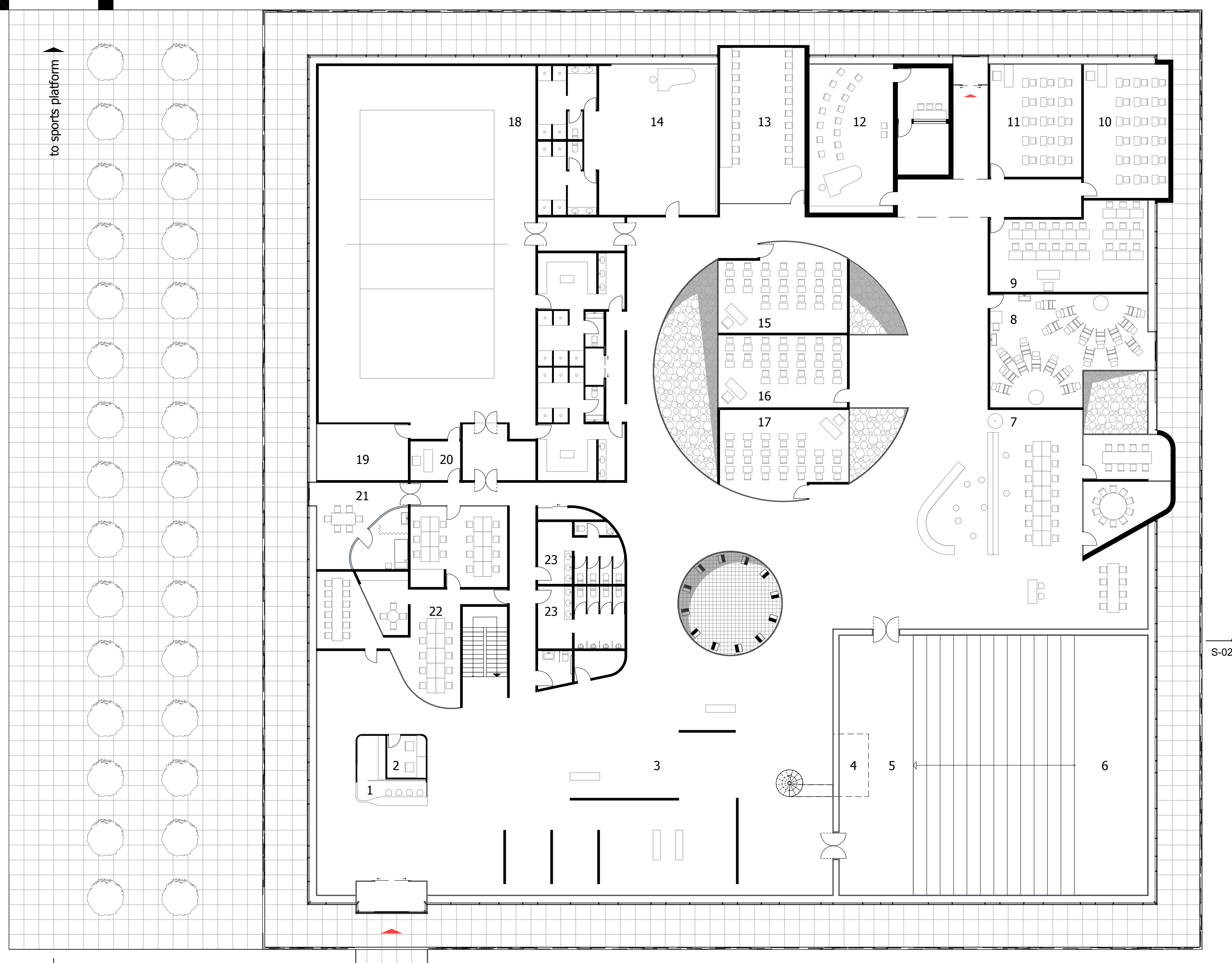
The event building, southeast of the main building, is situated on an eastward facing slope, just behind the vineyards. It is a two-storey rectangular open plan structure. The ground floor features conference halls, galleries and service areas. The road leading to the event building ends in an auditorium, overlooking Ararat Valley. The basement floor is designed for a restaurant and a wine tasting room. At the width of 12 meters, these are connected by a platform sheltered from the sun.

The flat green roofs of both educational and event buildings provide more thermal insulation.

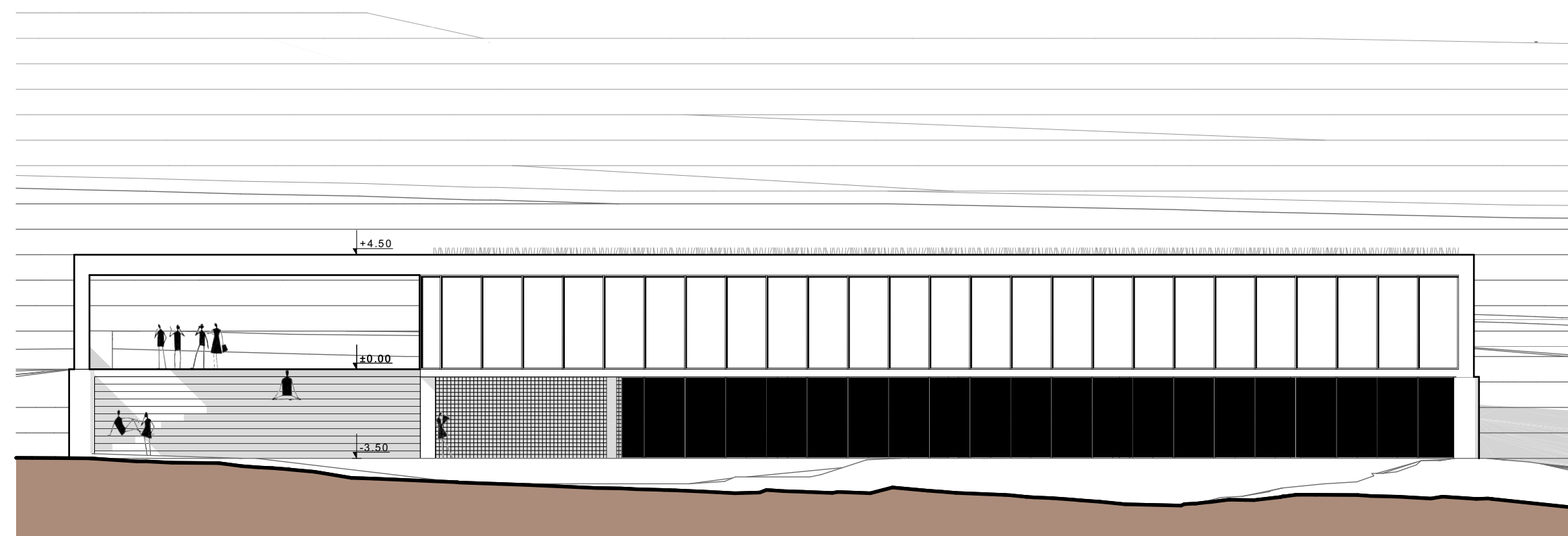
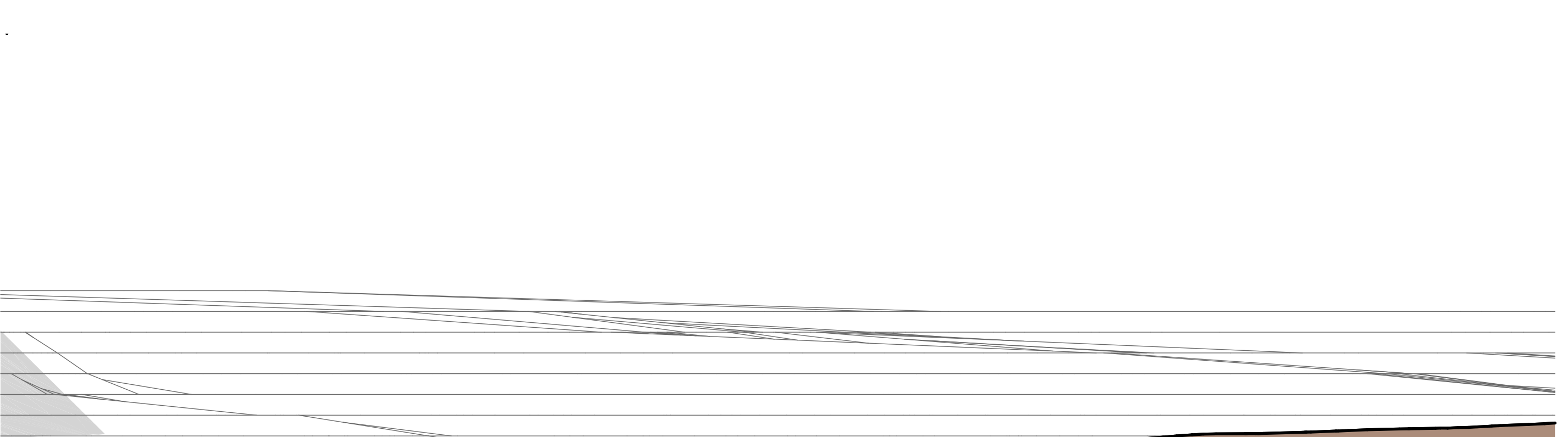
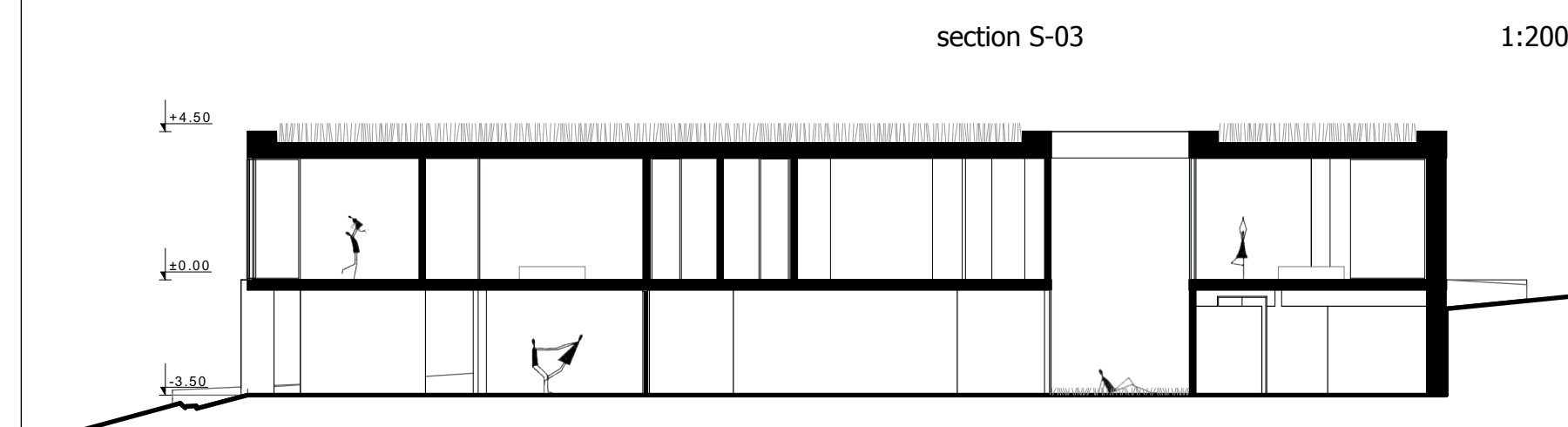
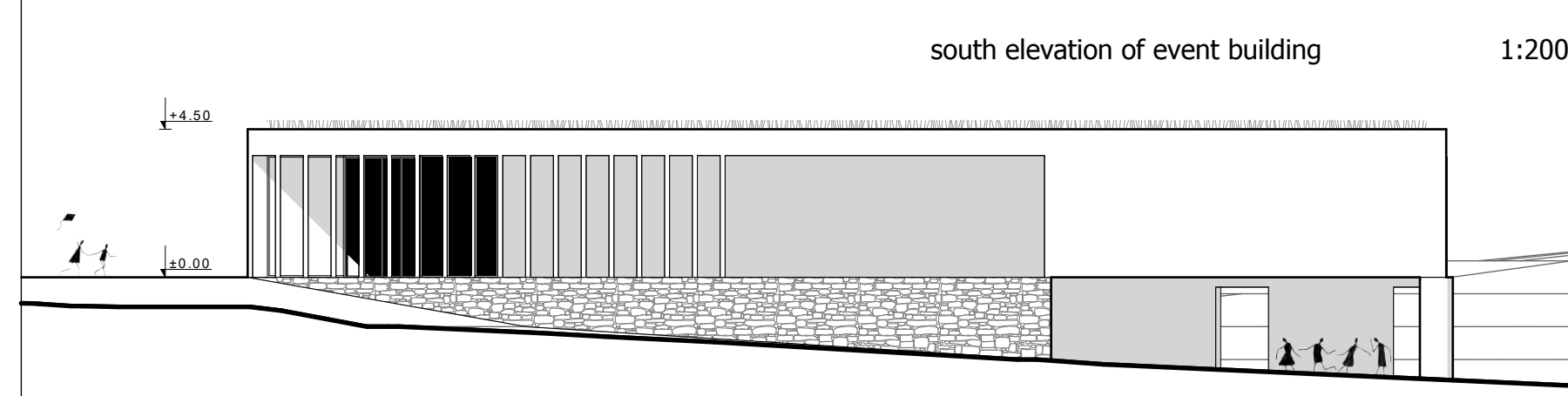
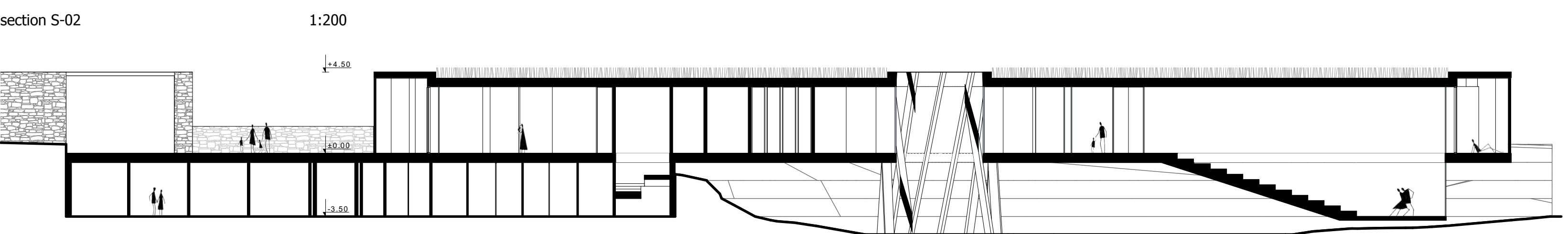


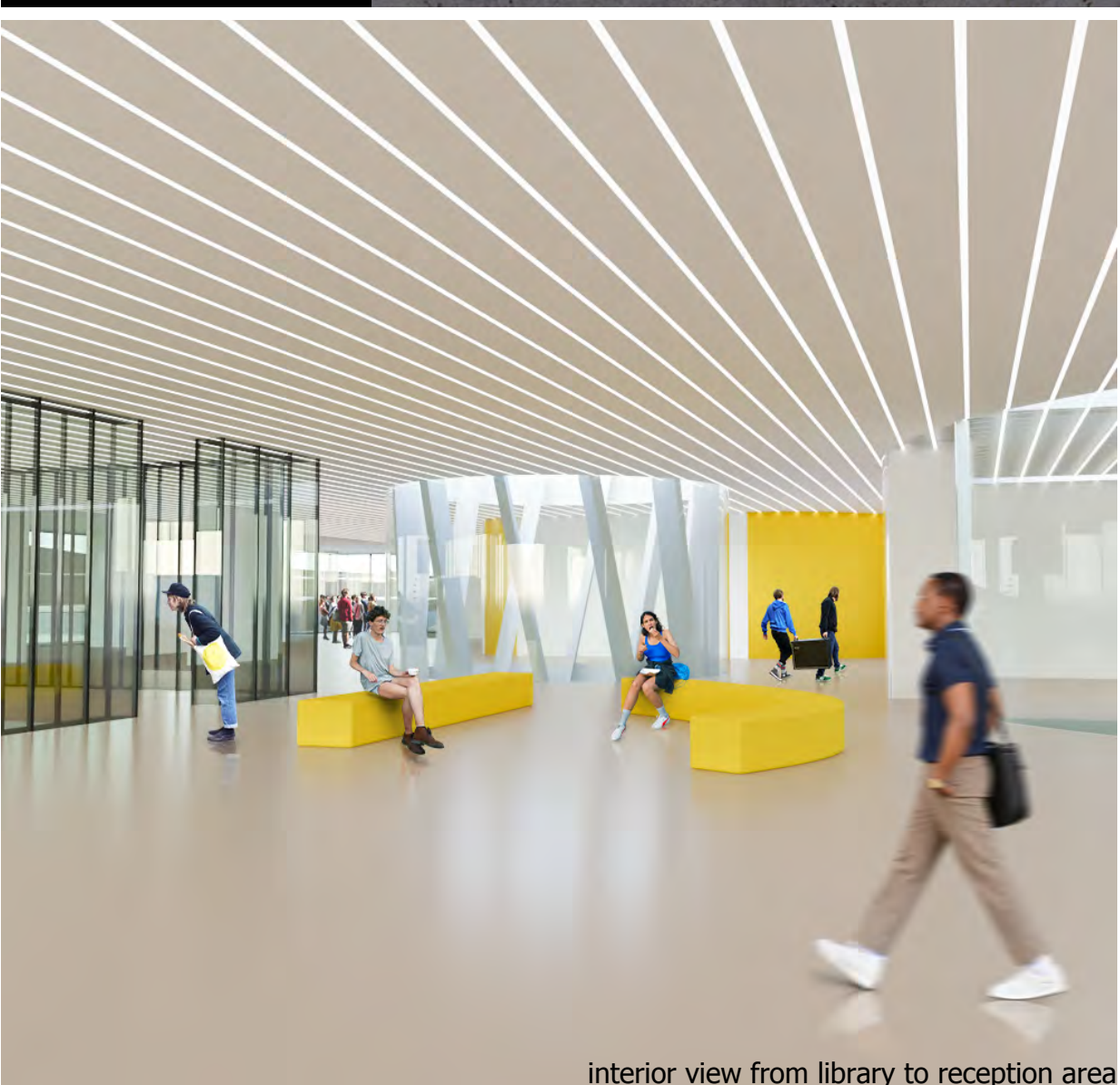
south elevation of educational building 1:200





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|--|---|-----------------------|----------------------------------|
| 1 reception desk | 9 digital design studio | 17 biology room | 25 kitchen |
| 2 security room | 10 entrepreneurship room | 18 indoor sports area | 26 equipment and infrastructures |
| 3 cultural corner | 11 languages room | 19 yoga room | 27 terrace |
| 4 translator's booth, stage control (suspended at +2.25) | 12 music room with recording booth | 20 trainer's room | 28 conferencing facility |
| 5 auditorium | 13 robotics lab (naturally illuminated via transom) | 21 health post | 29 cafeteria |
| 6 stage | 14 dance studio with changing rooms | 22 staff office area | 30 oenothèque |
| 7 library | 15 physics/chemistry room | 23 restrooms | 31 wine tasting area |
| 8 arts studio | 16 geography room | 24 dining area | 32 garden |



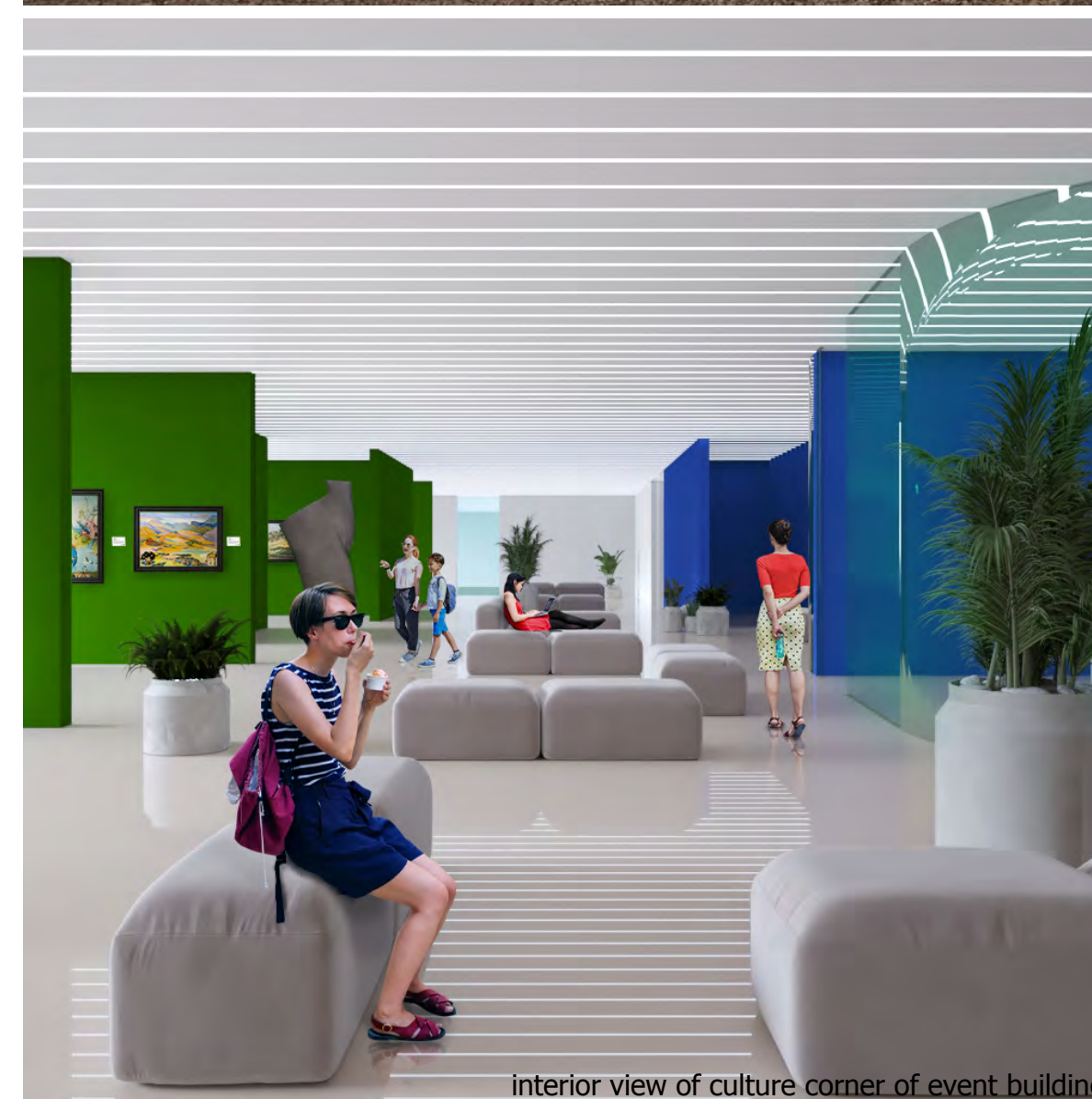


interior view from library to reception area

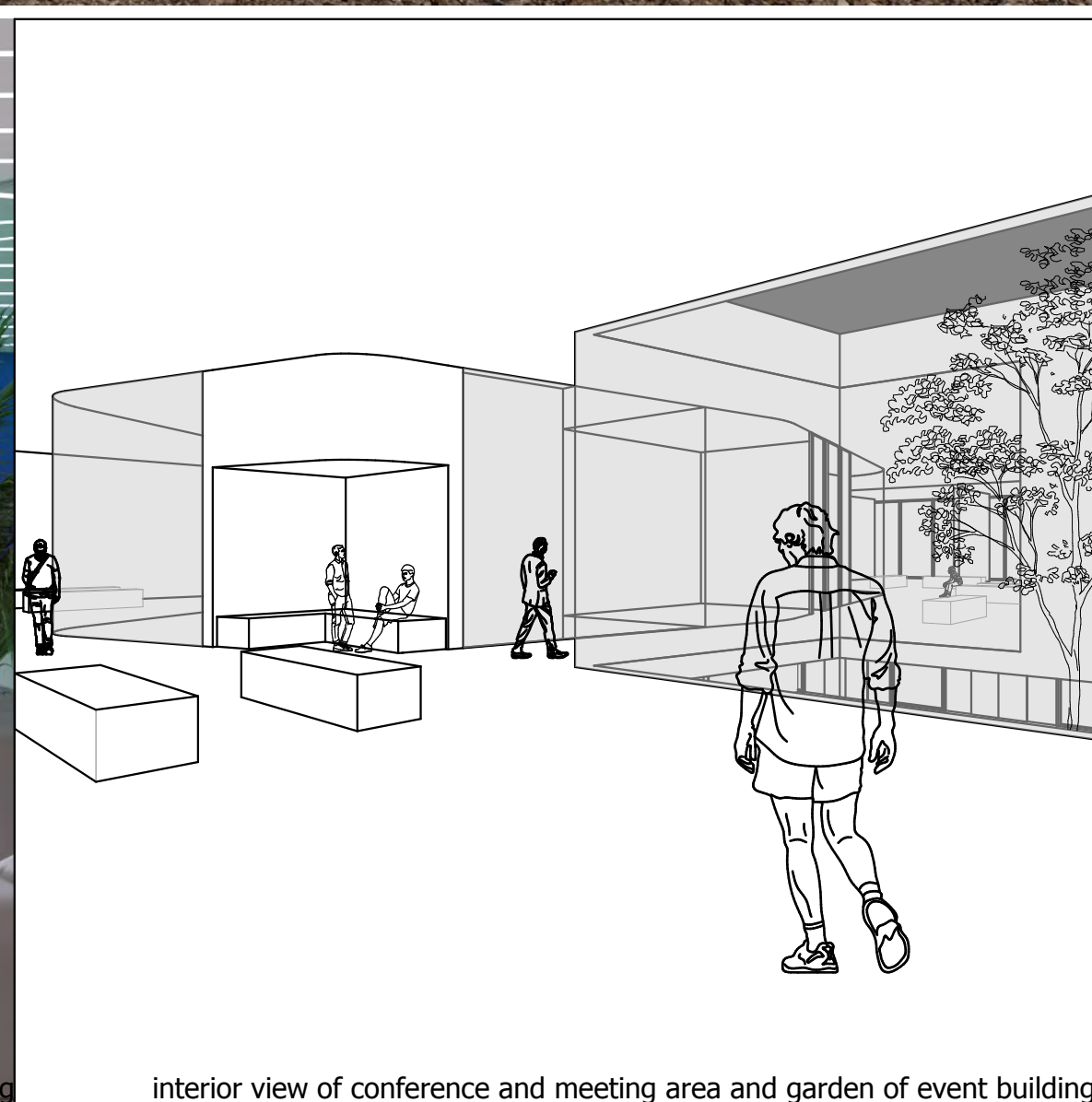


interior view from reception area to library

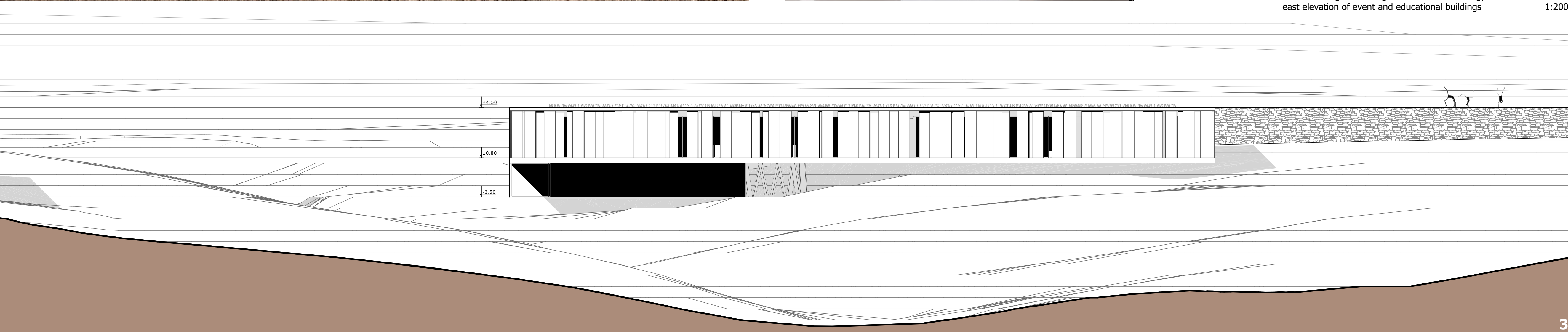
interior view of culture corner

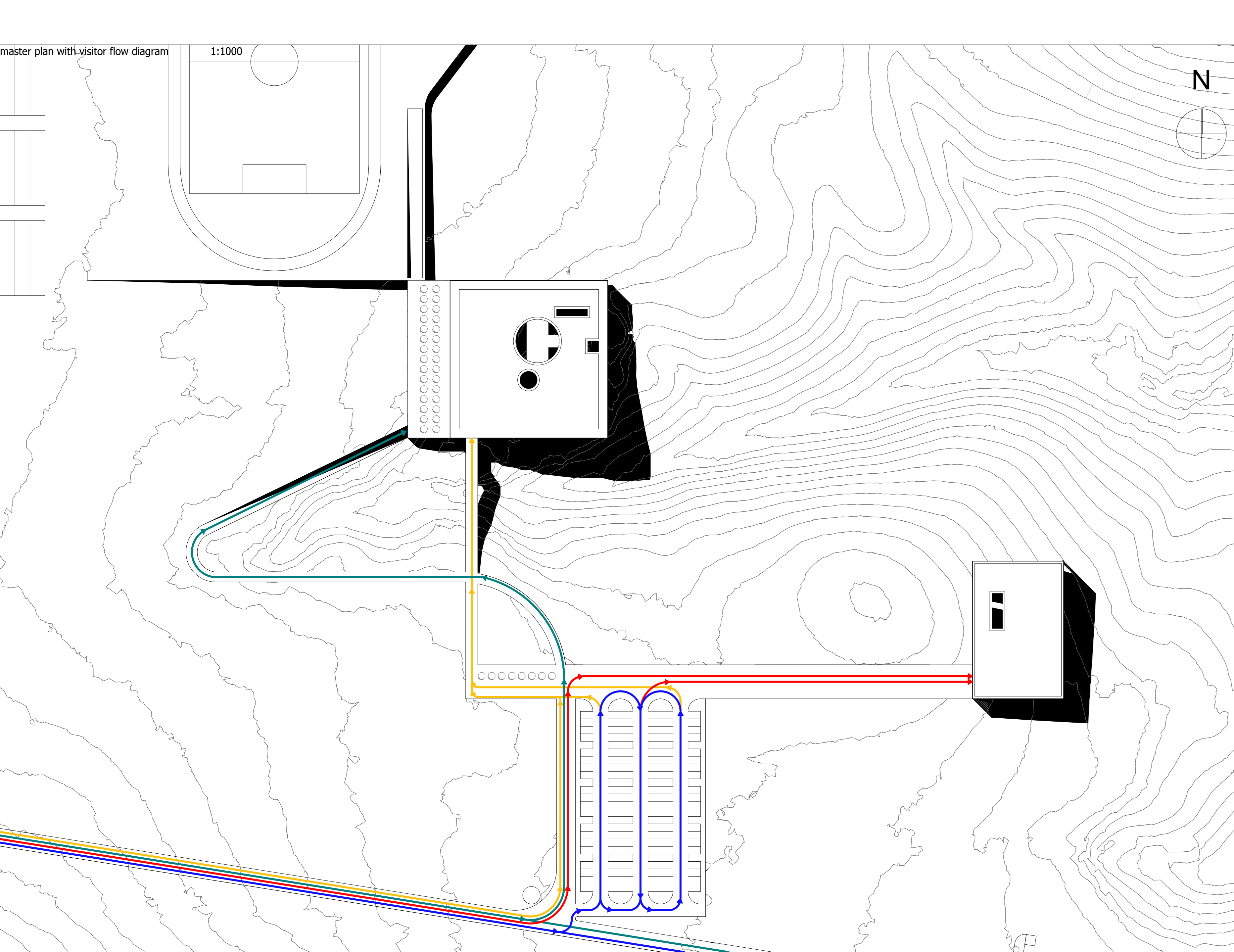
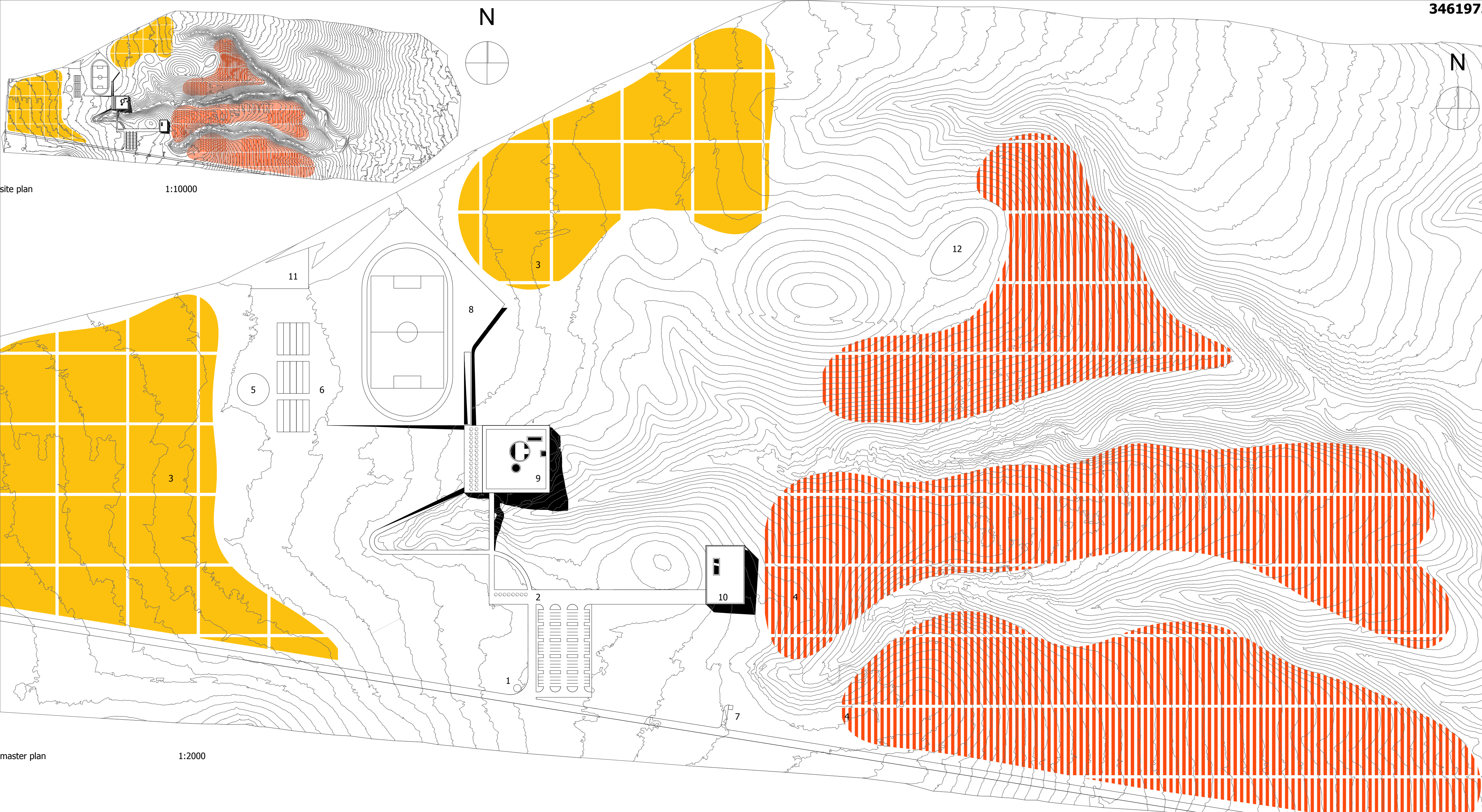


interior view of culture corner of event building



interior view of conference and meeting area and garden of event building
east elevation of event and educational buildings





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