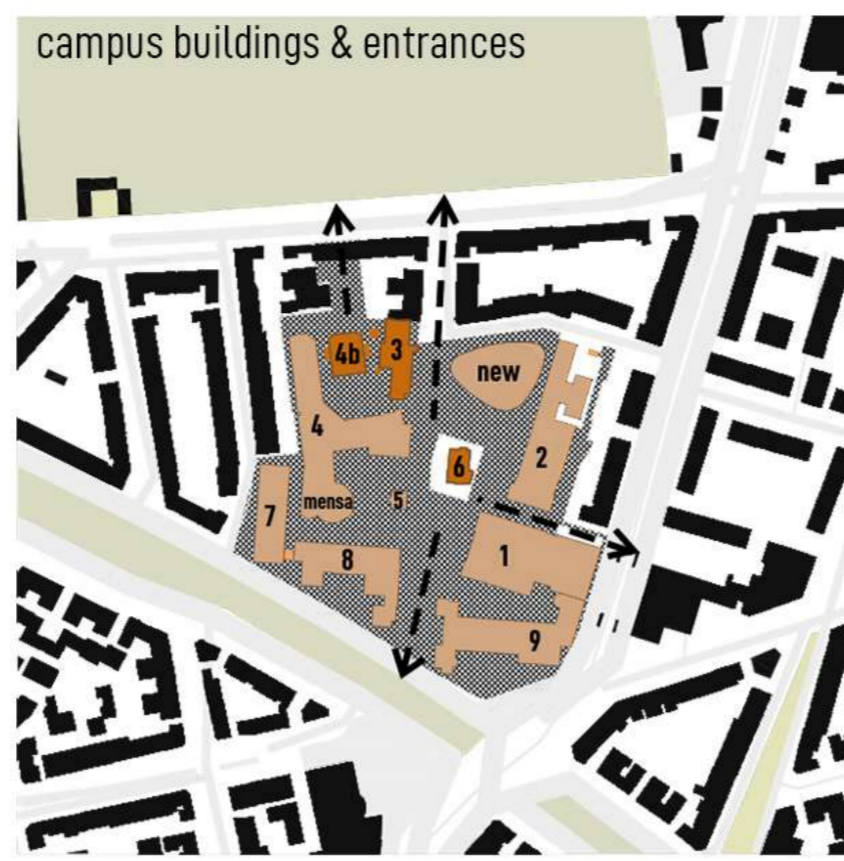


New Research Building FRA-UAS CAMPUS

The new research building at Frankfurt University of Applied Science aims to offer a healthy and sustainable environment to its users. Human scale is achieved by the creation of a platform that connects the main plaza with the northern pocket space where the building is located, as well as the northern entrance, which is currently scarcely used.

Furthermore, the campus' main plaza was revitalized by interventions including a differentiated design on the hardscape and the addition of greenery and benches. This way, this open space is given more focus and receives a meeting-point character where students can exchange ideas and share thoughts with each other.

Also, to improve the sense of invitation into the campus, the main entrances, such as the southern, northern and north-eastern, were made more noticeable.



AXONOMETRIC VIEW OF FUAS CAMPUS



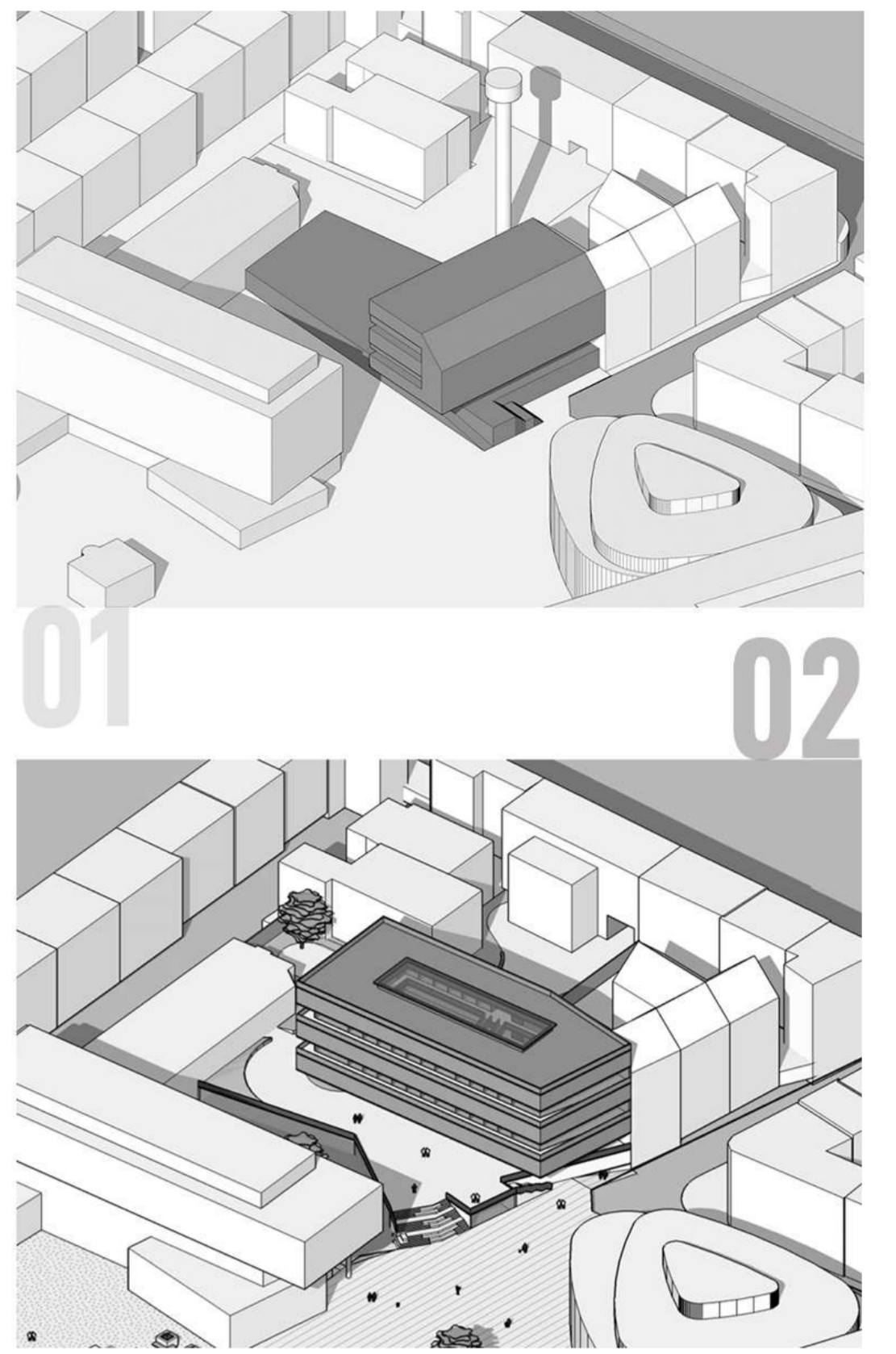
southern main entrance



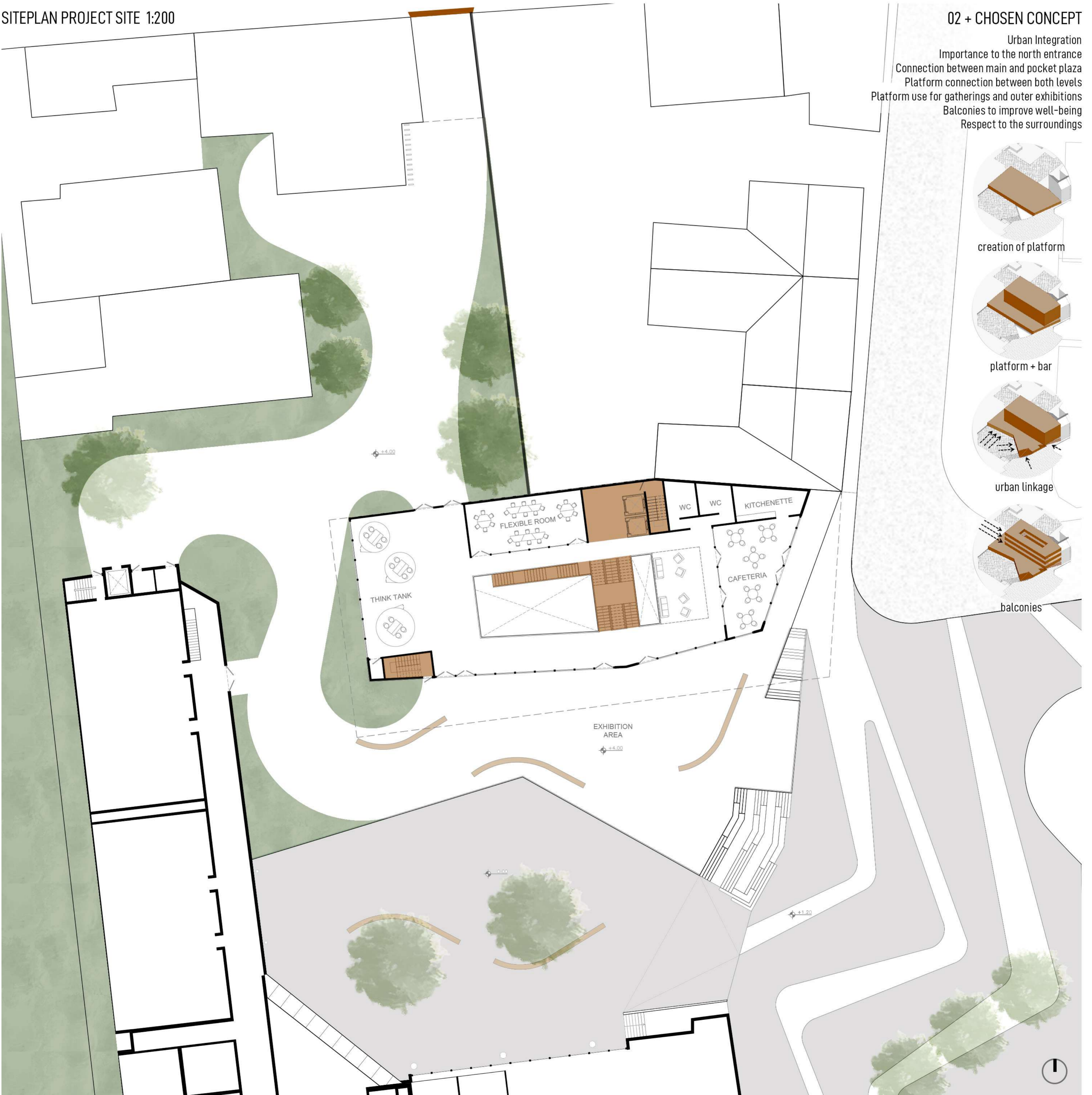
northern entrance



MAIN ENTRANCE VIEWS
north-eastern entrance

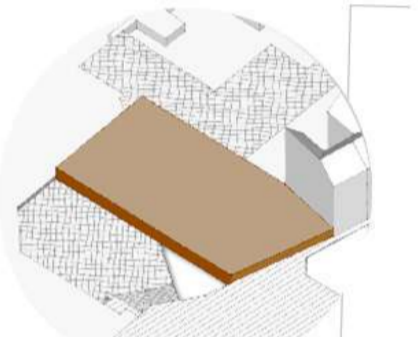


SITEPLAN PROJECT SITE 1:200

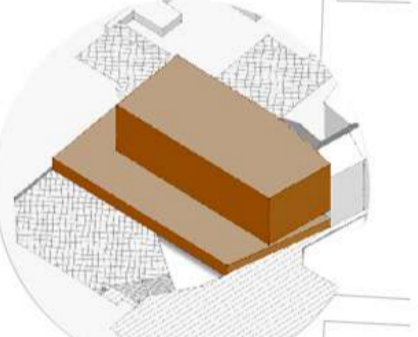


02 + CHOSEN CONCEPT

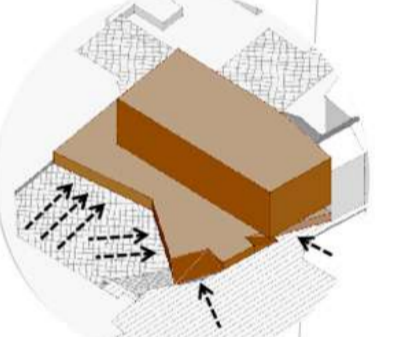
- Urban Integration
- Importance to the north entrance
- Connection between main and pocket plaza
- Platform connection between both levels
- Platform use for gatherings and outer exhibitions
- Balconies to improve well-being
- Respect to the surroundings



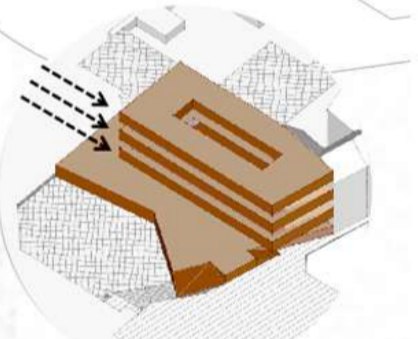
creation of platform



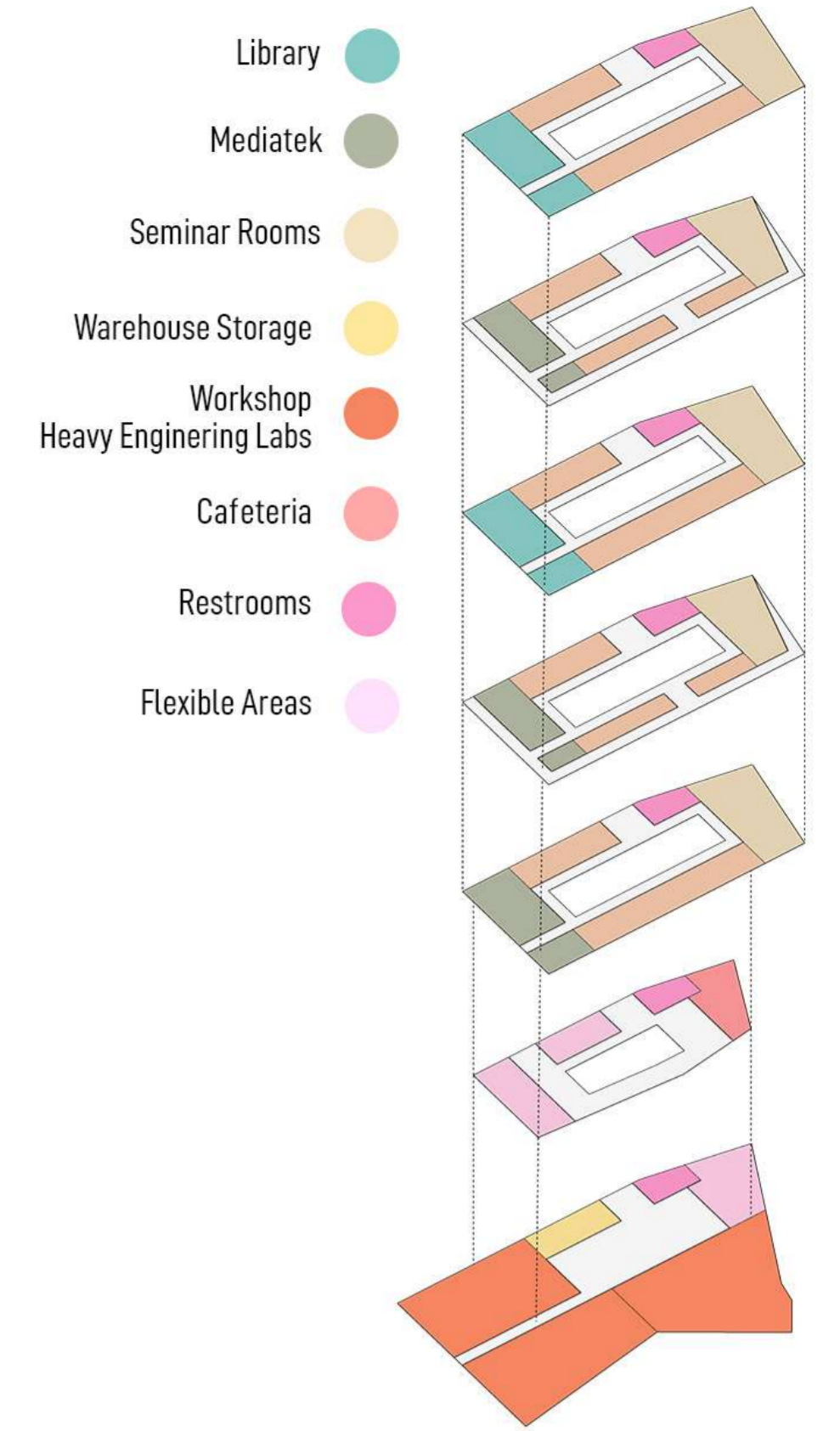
platform + bar



urban linkage



balconies



FLOOR PLANS

PROGRAMME

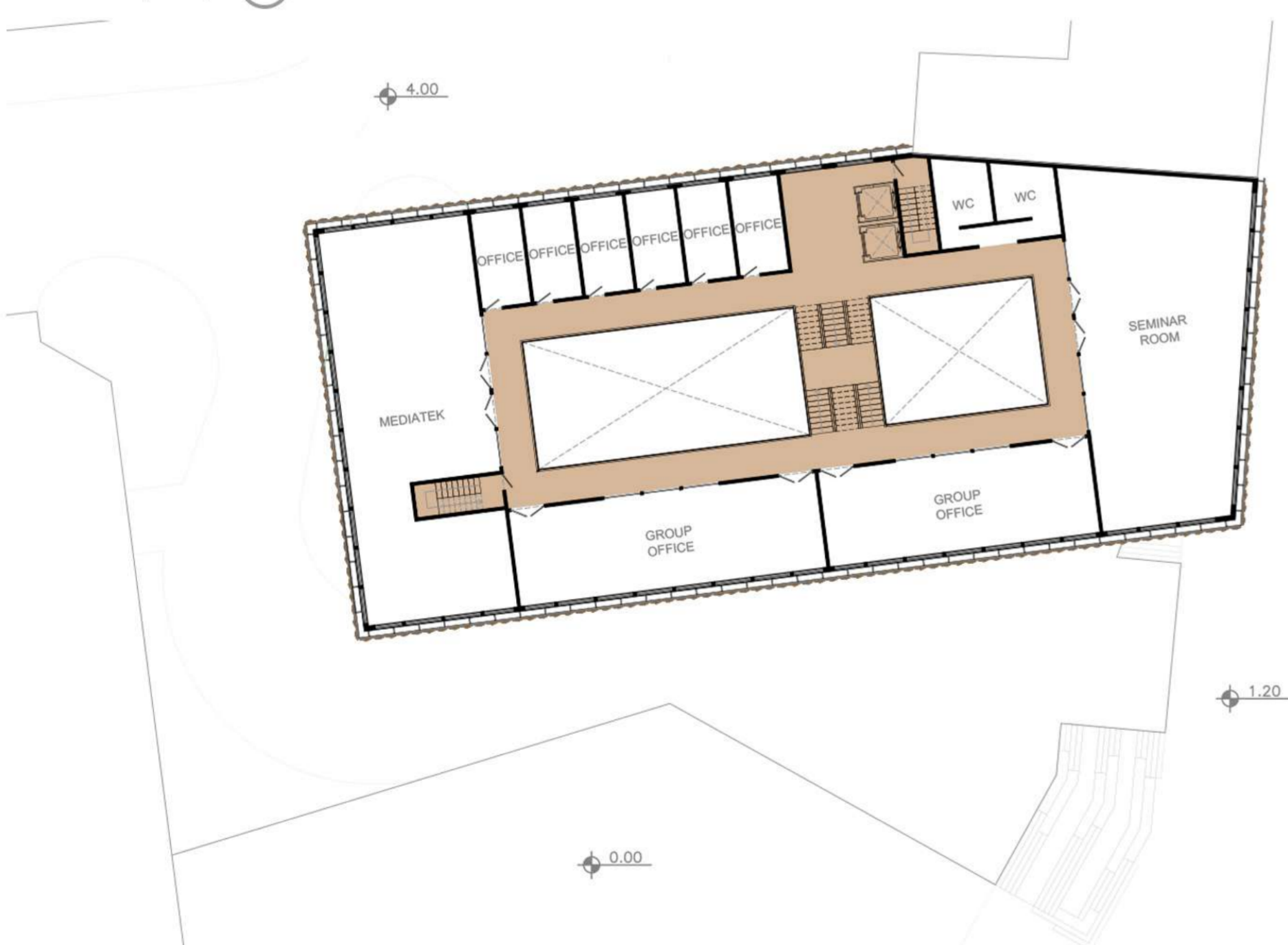
ground floor (+0m) ⓘ



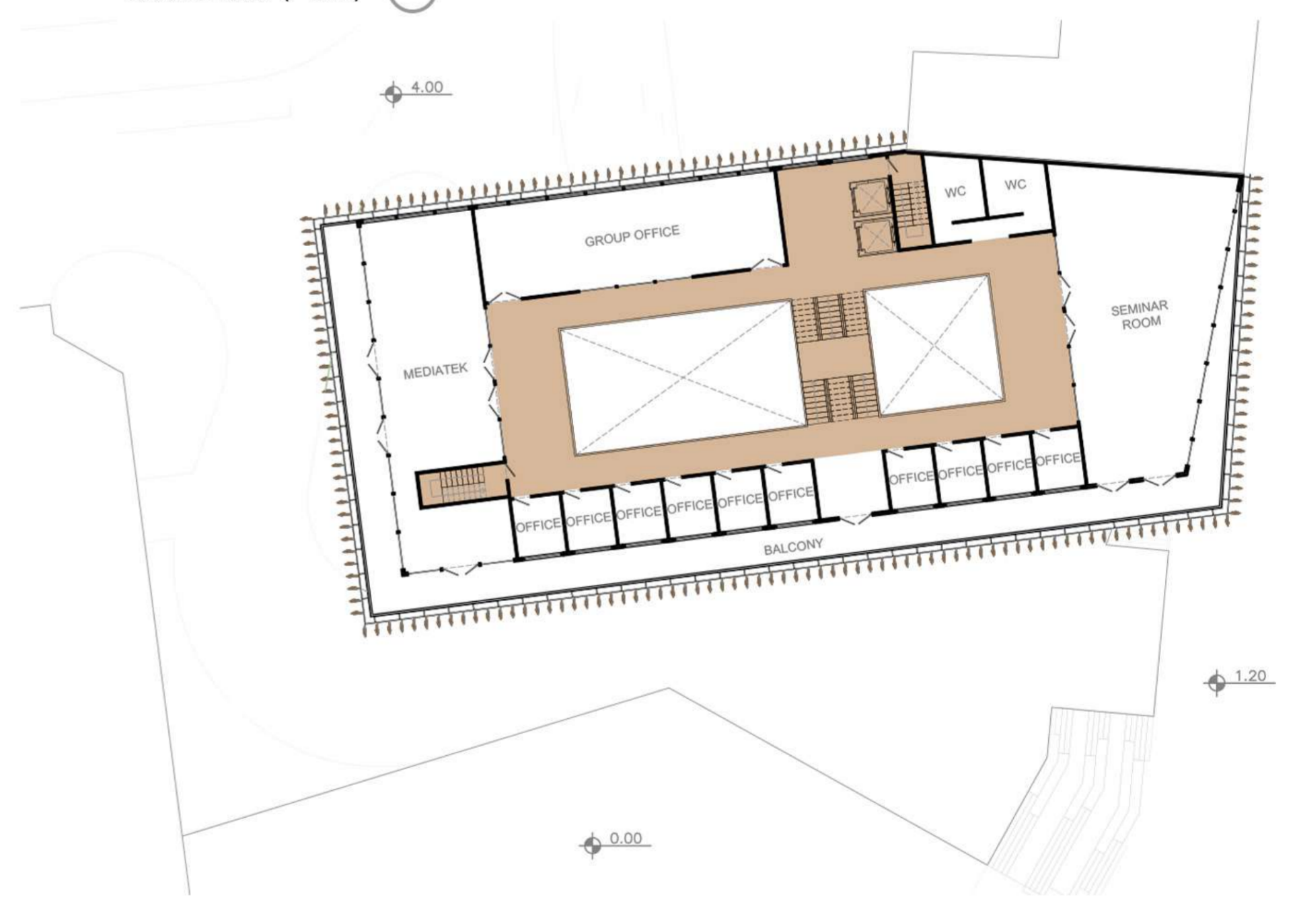
platform level (+4m) ⓘ



first floor (+7m) ⓘ

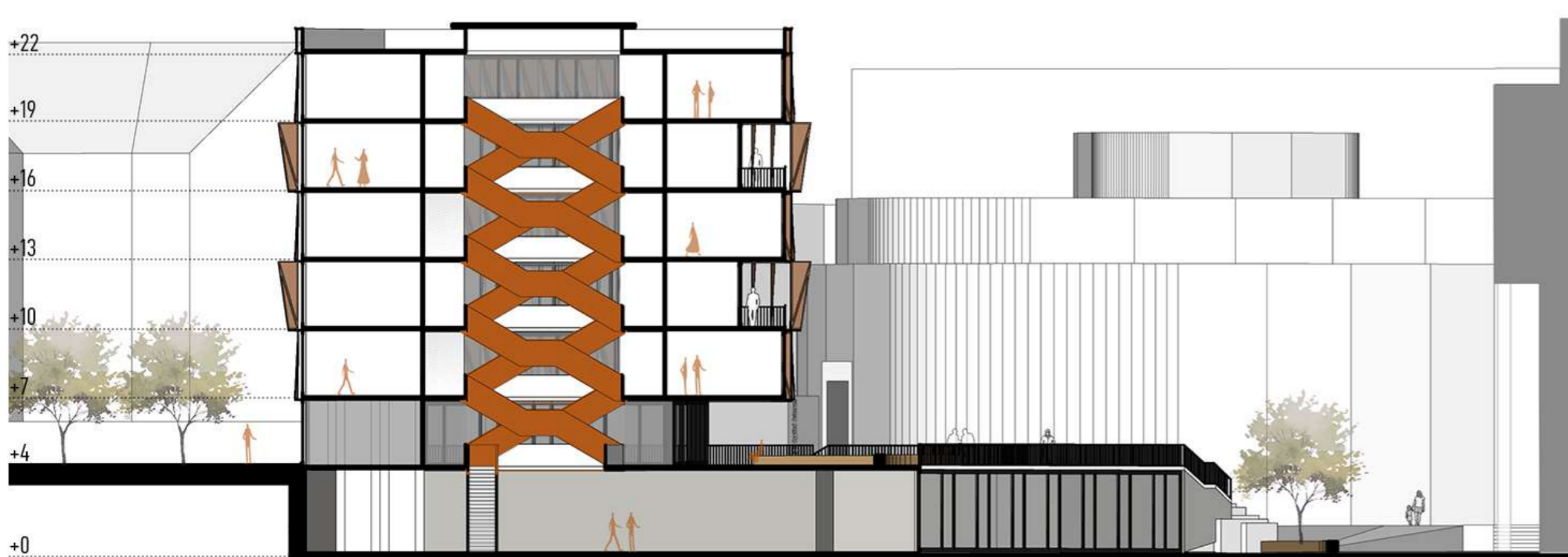


second floor (+10m) ⓘ



SECTIONS

cross section



longitudinal section

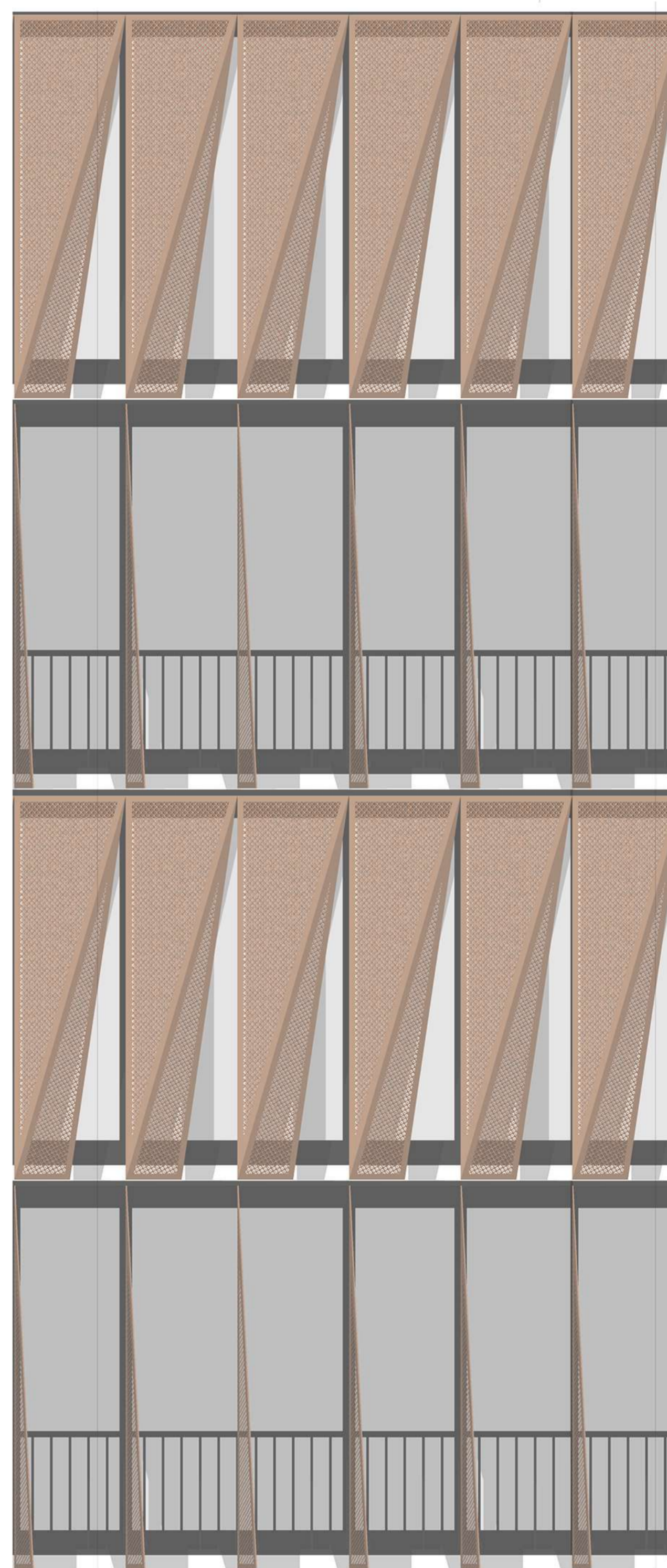
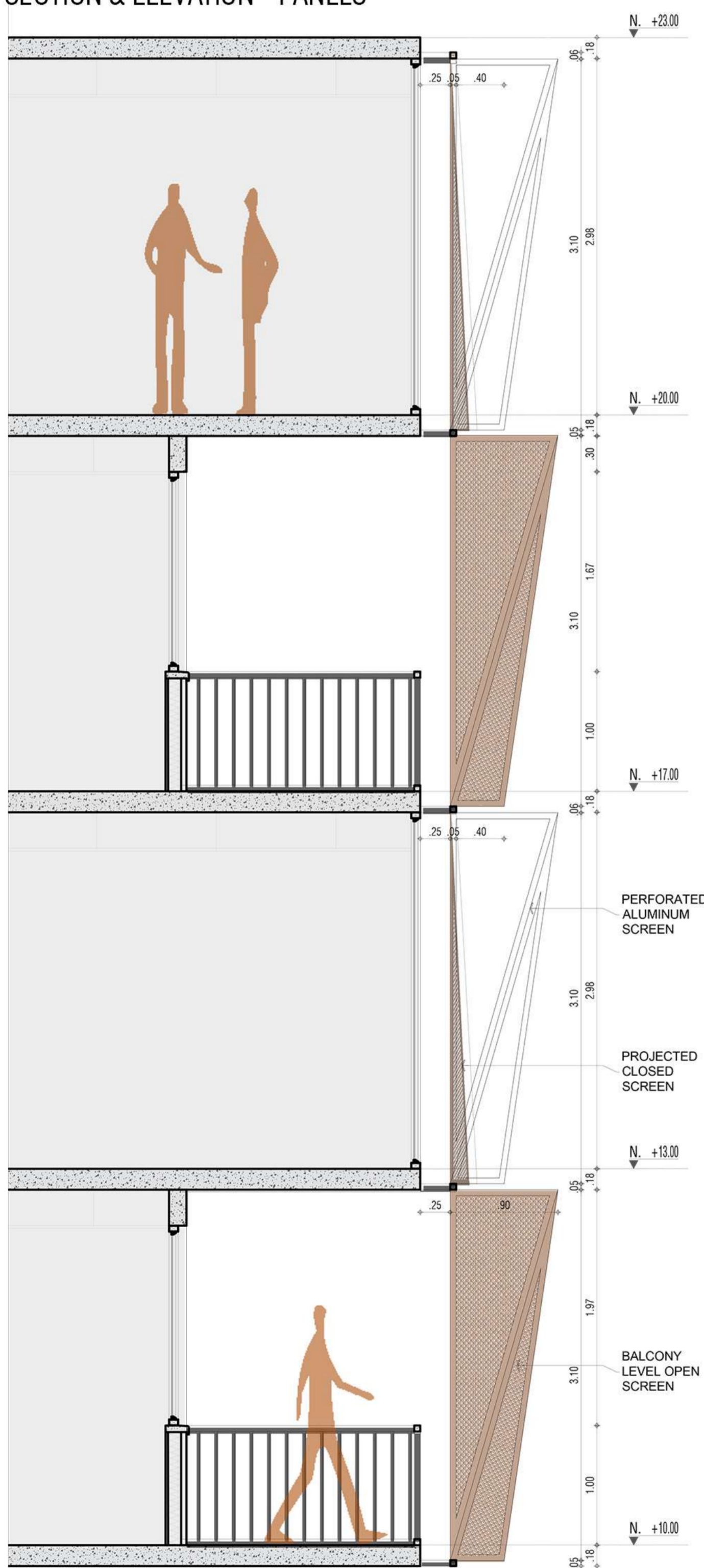




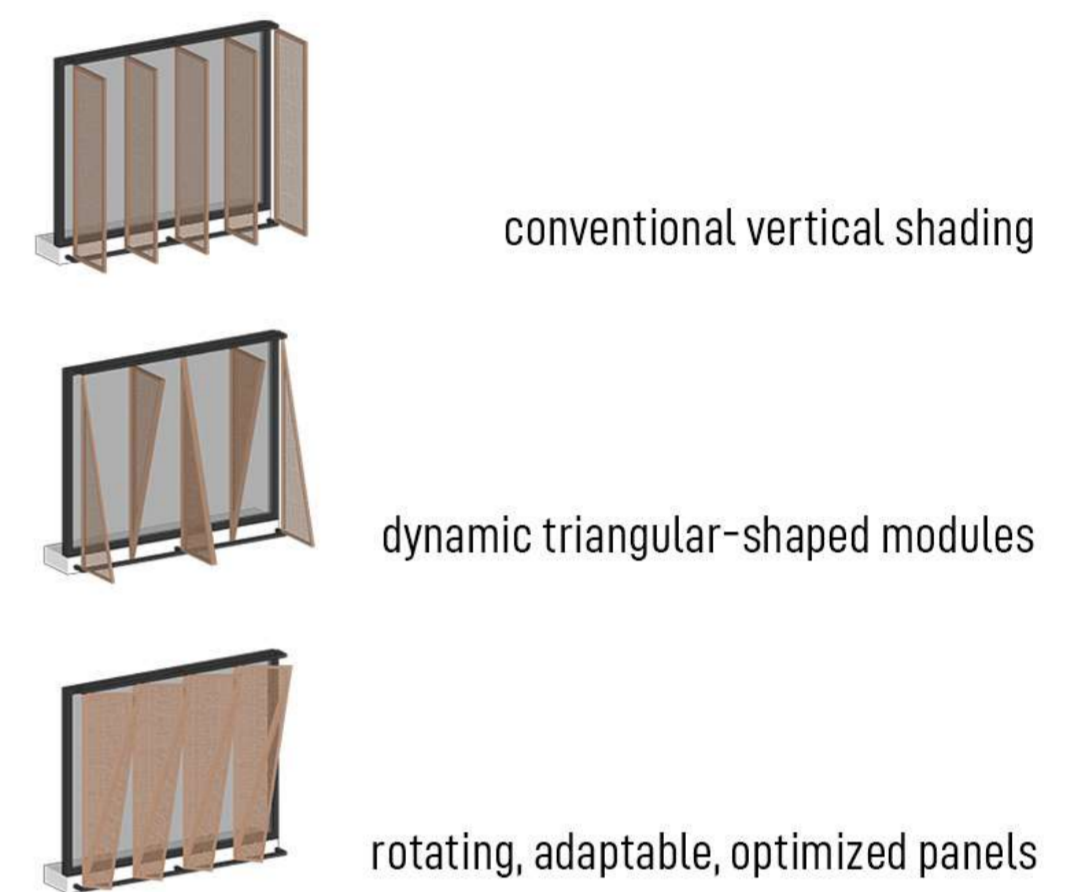
AN INNOVATIVE SUN PROTECTION SYSTEM

We are proposing a shade device system with individual panels with triangular-shapes fabricated on perforated aluminum sheets in copper color. These elements are attached to the building structure as a curtain wall and are arranged with the longer side of the panel to the upper side of the slab to maximize the shading projection with less material. These panels are movable to allow adjustment to particular interior space needs. The panels have also a fold on the bottom side to block sunlight while maintaining well-distributed and usable daylight inside during all seasons of the year. The panels can be placed in the direction of the sun, so the panel opens to the left in the west and to the right in the east. This solar device not only serves as a shading feature but also provides a unique identity and atmosphere to the new FRA-UAS research building.

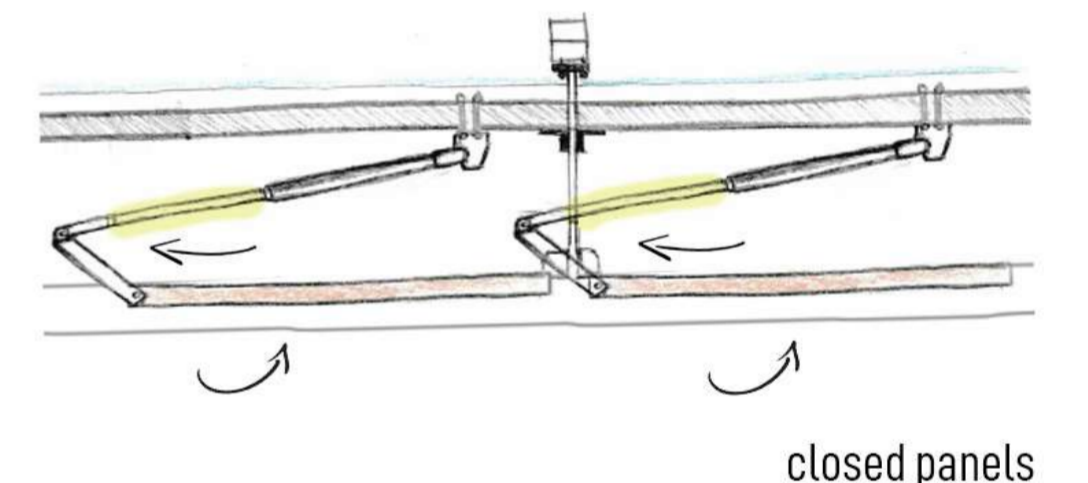
SECTION & ELEVATION - PANELS



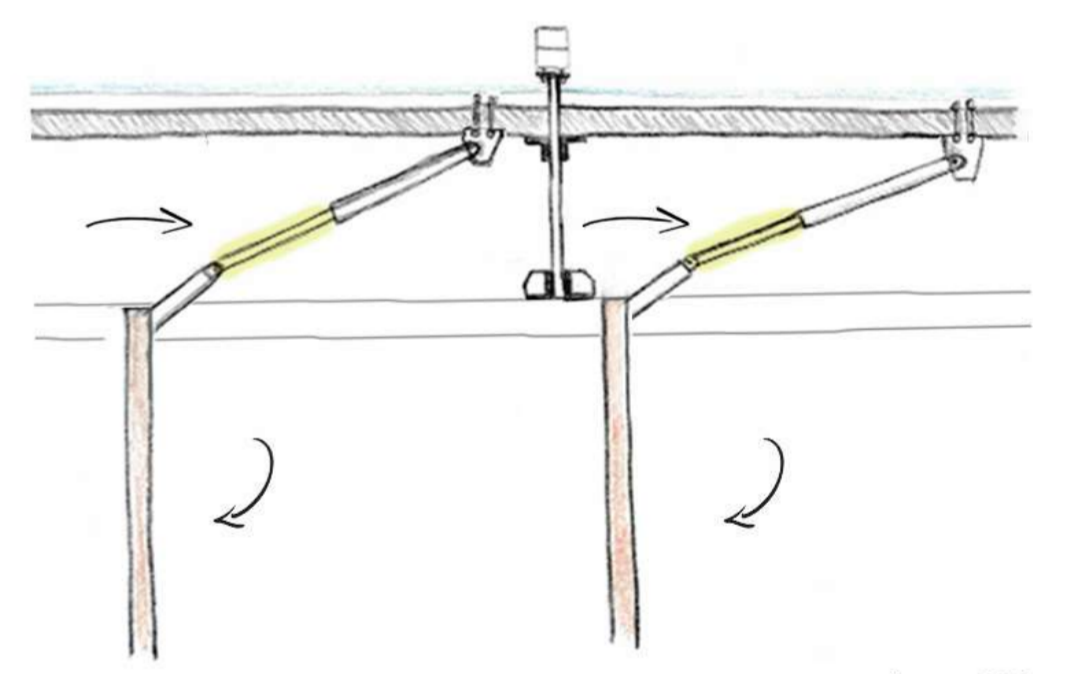
TPOLOGY PROCESS



OPENING SYSTEM

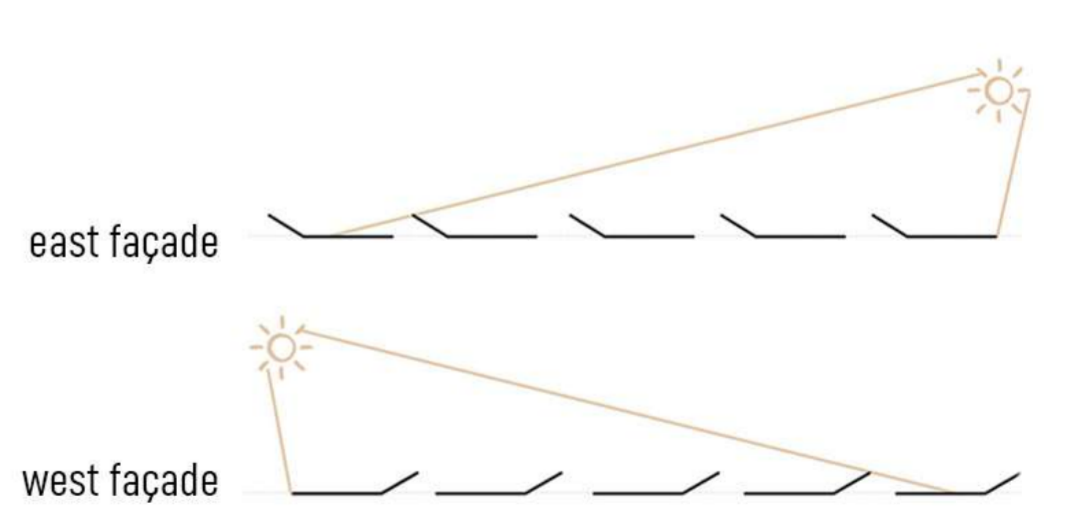


closed panels



open panels at 90°

PANELS DIRECTIONS



SHADOW STUDY ON SOUTH FAÇADE

