

fit.







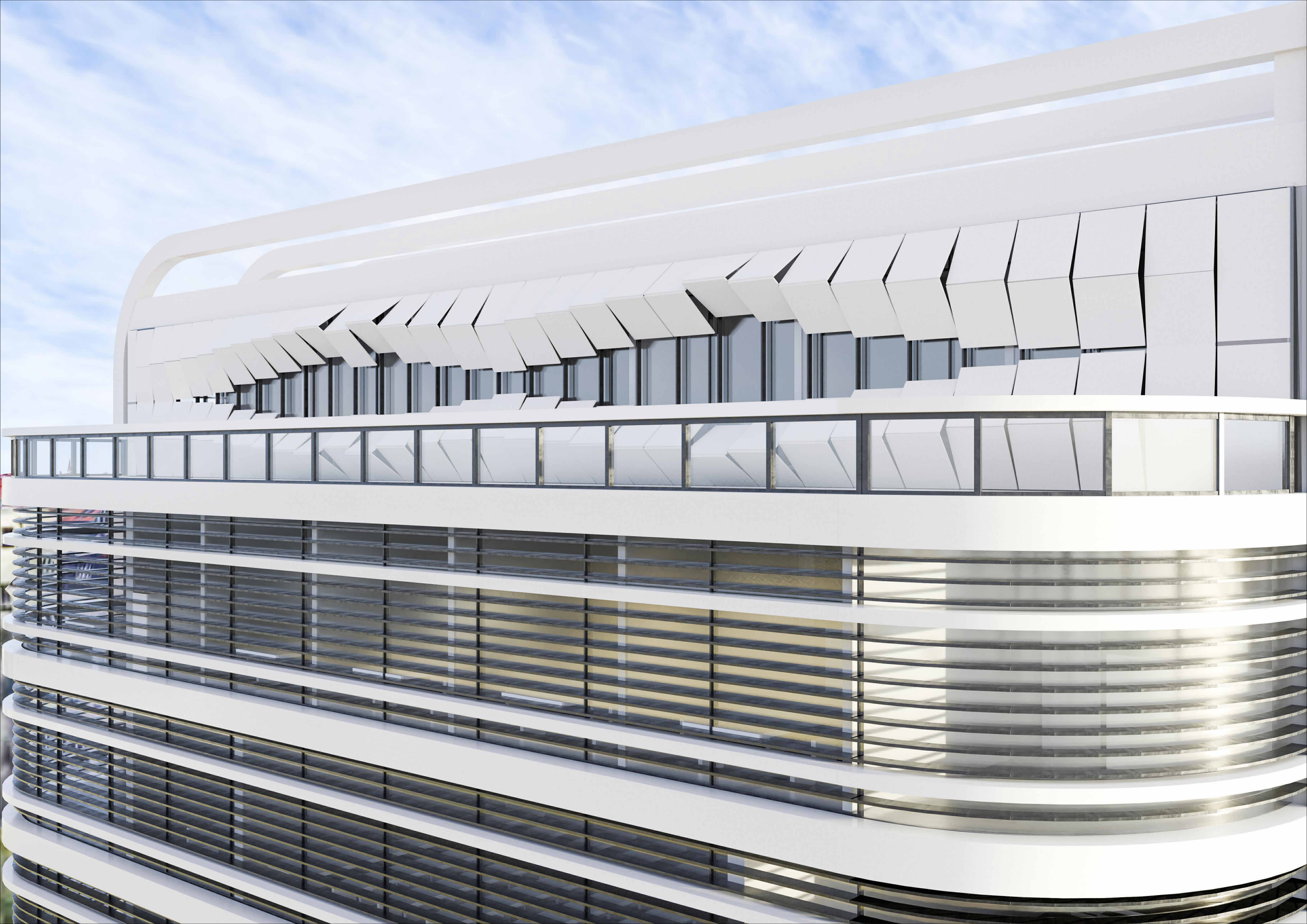


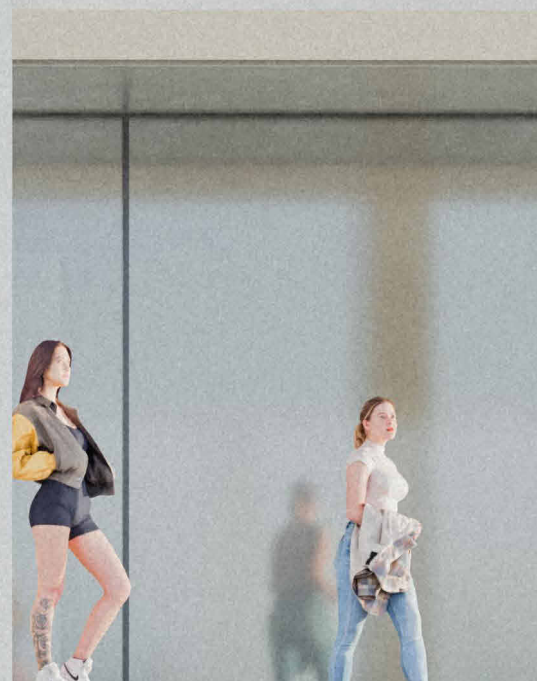
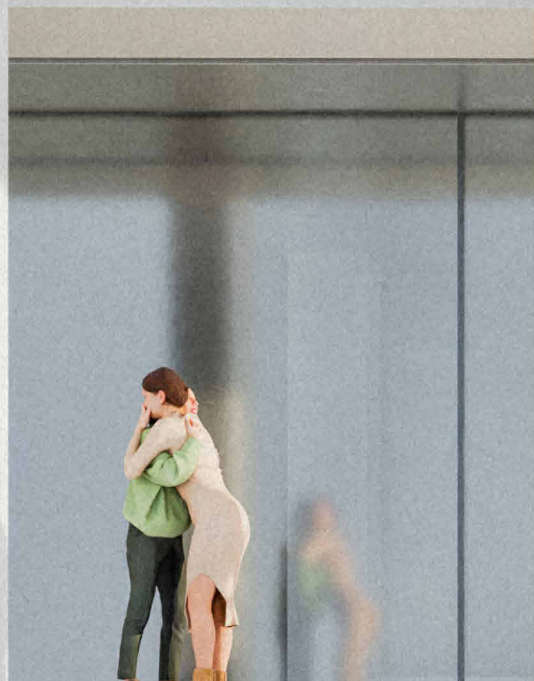
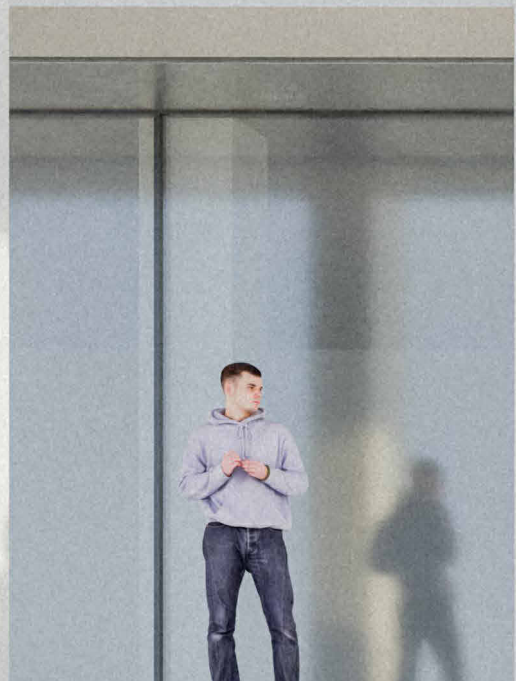
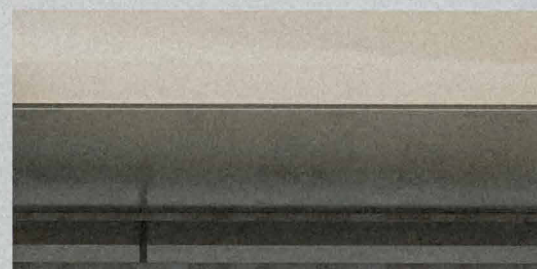
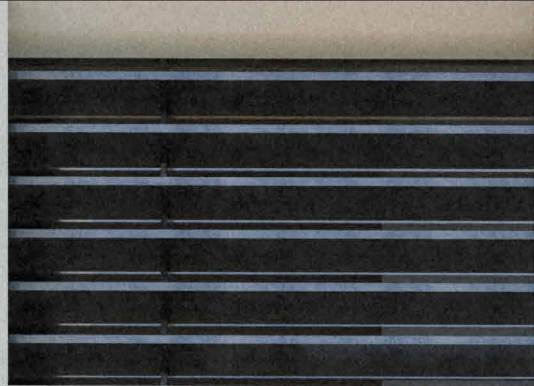
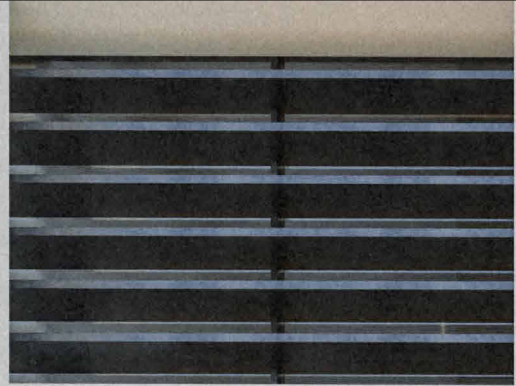






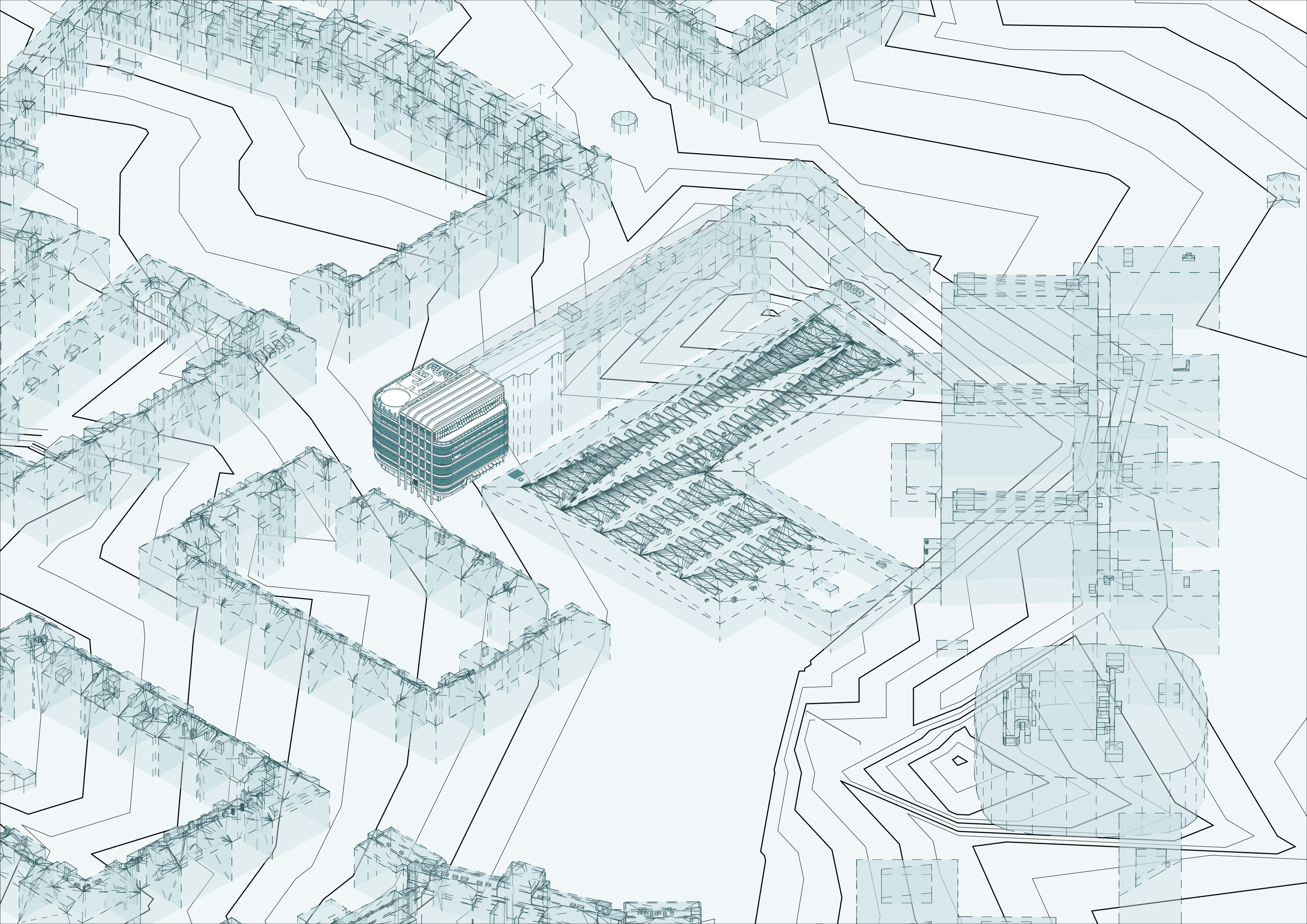












fit.

The new Faculty of Information Technology will be located on the last available plot in the CTU campus. This site is in a corner directly adjacent to a heritage zone. This fact partially influenced the design, which respects the existing surrounding buildings and directly connects to them with many of its elements and language. However, it is important to note that the character of the faculty itself was also considered as main pillar of the concept. Therefore, many parts inspired by the older buildings are enriched with modern elements. An example of this is the movable panel façade, which complements the current light envelope of building B. The configuration of these elements offers an interesting play with light both in the exterior and interior.

The building features two skylights, with the larger one allowing daylight to penetrate deeper parts of the building. It is also designed as a small "square" on each floor. The second skylight runs through the center of the staircase. The building's shading is provided by the aforementioned panels, but primarily by blind systems hidden in the horizontal elements of the façade. The blinds themselves are not just functional elements; they also contribute to the building's character, whether fully raised or lowered. The issue of daylight is also partially addressed by the two-story glazed respiriums.

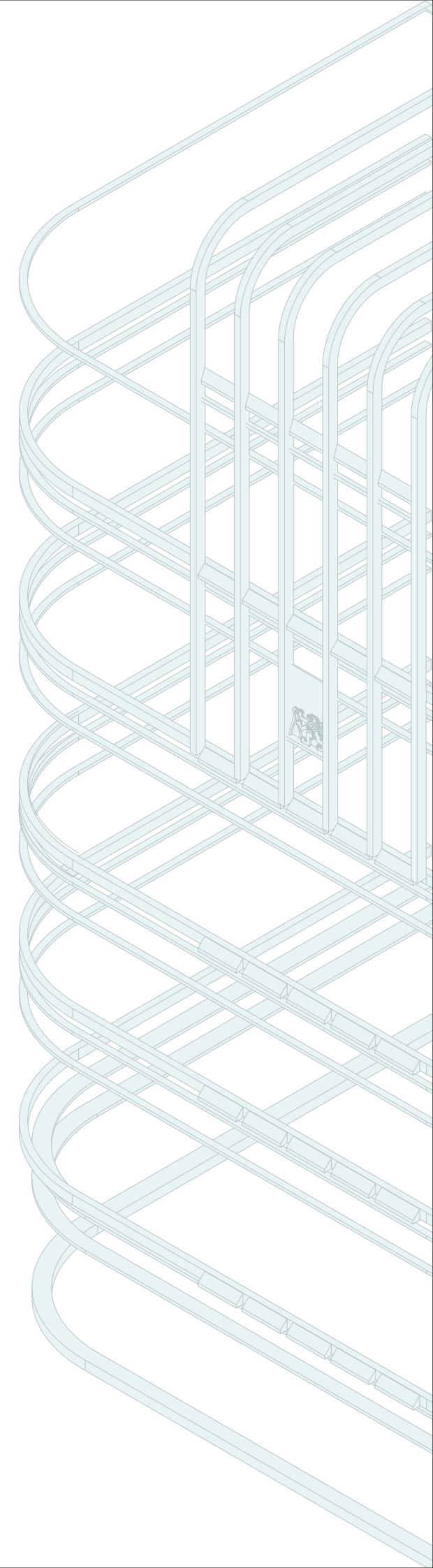
These respiriums are directly related to the main problems I observed in my analysis or direct observation of the current faculty among students. Namely, the immediate departure from the school, dark and for some people, depressing interiors, and the small number and overly uniform spaces for self-study. (All noted by the students of the faculty during the surveys)

Thus, the design aims to create a pleasant, bright place for students, with a very important factor being the ability and spaces within the school to stay contentedly even after classes, rather than rushing off to NTK (which doesn't have many of these problems). The study spaces in my faculty are very diverse, offering several illuminated two-story atriums, individual study pods, larger study rooms not designated for teaching, etc. Not all of these spaces are intended for teaching or studying; emphasis was also placed on the possibility of rest in a spacious café, relaxation areas in the atriums, or on the large terrace.

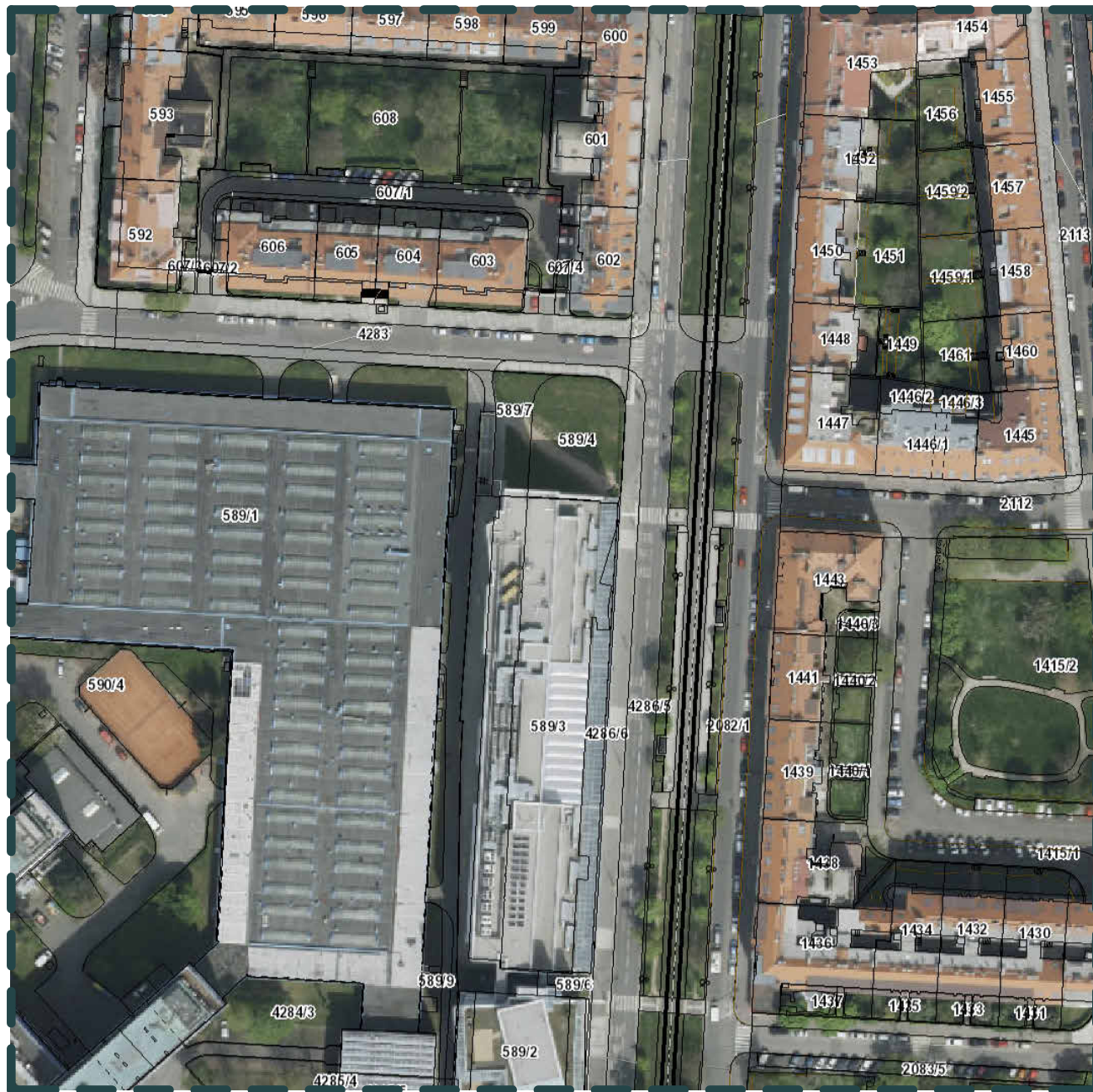
The terrace is again a multifunctional space. From study areas situated by the large skylight, relaxation areas, a meditation zone, to the summer FIT bar, this part of the building is truly designed for everyone and is intended to be used as a place for social interaction, official outdoor events, or simply for pleasant time spent. I consider it important just to have the option to step away from the constant light of monitors to the real light in the surroundings of nature and greenery. To take a breath.

The design fully complies with the spatial and functional requirements of the current Faculty of Information Technology and in many parts even surpasses them. In conclusion, the character of my study and design can be summarized with these words:

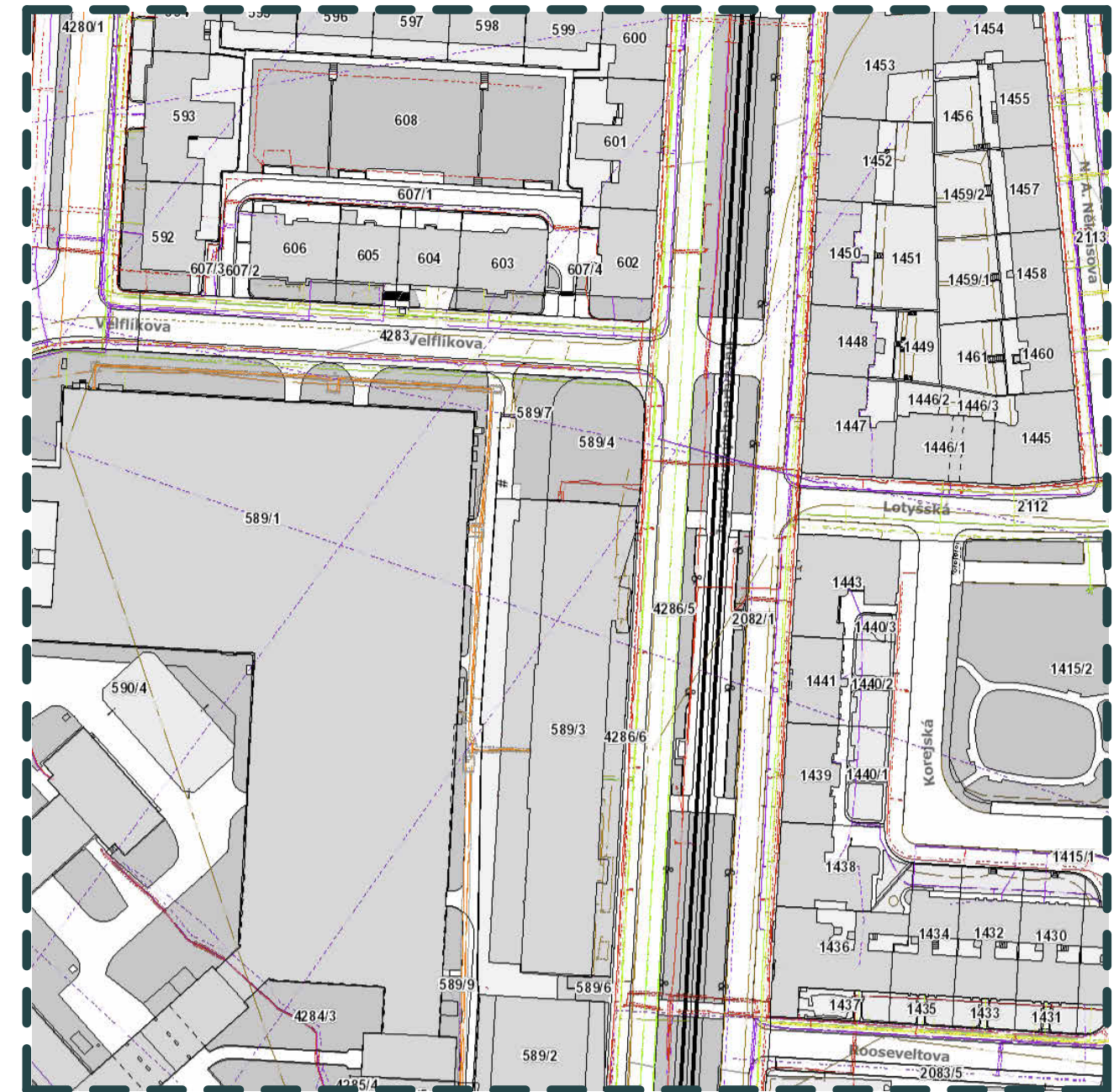
From the outside, order and school; from the inside, school, party, and pleasant time.



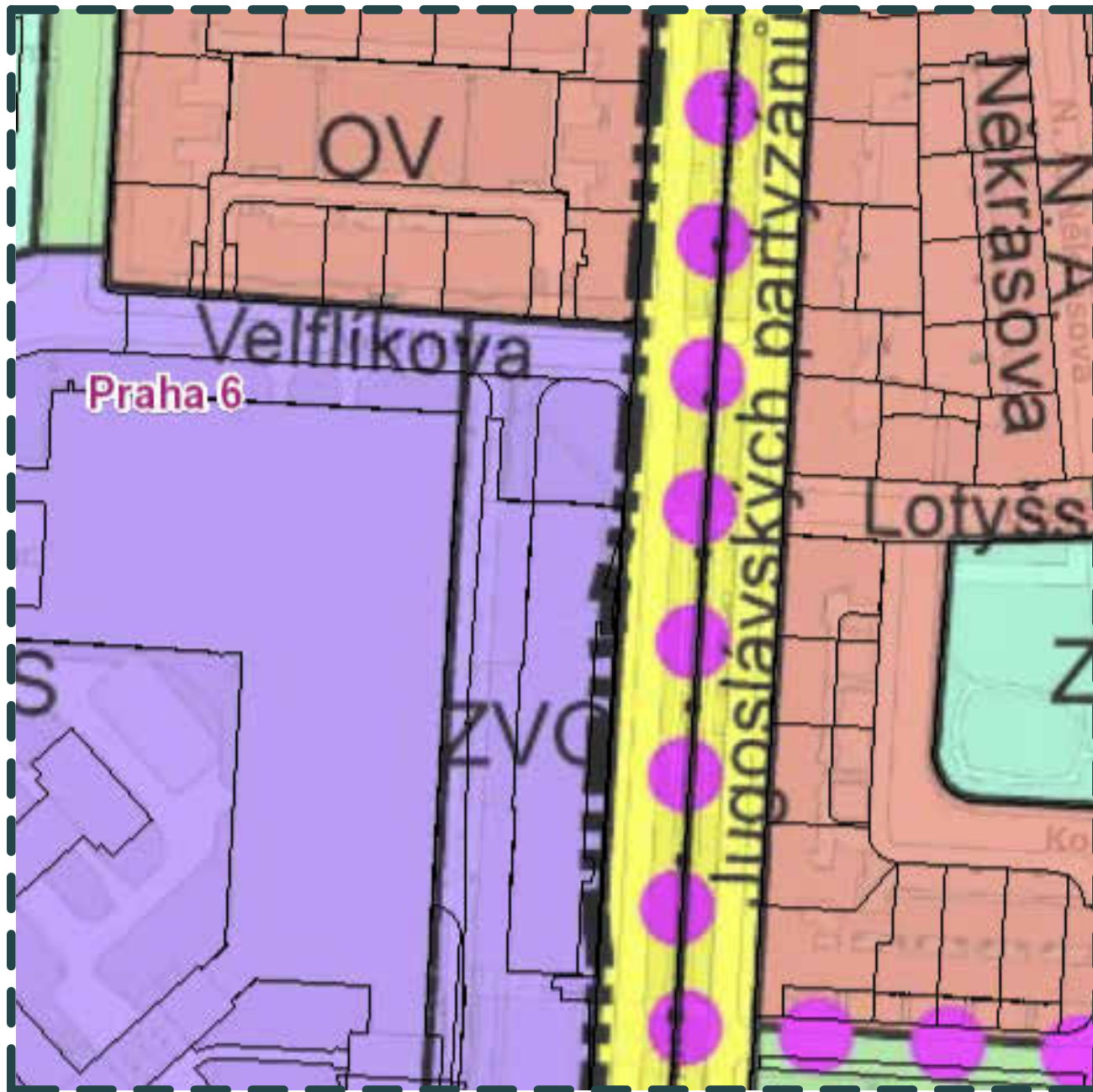




Used sites: 589/7 and 589/4



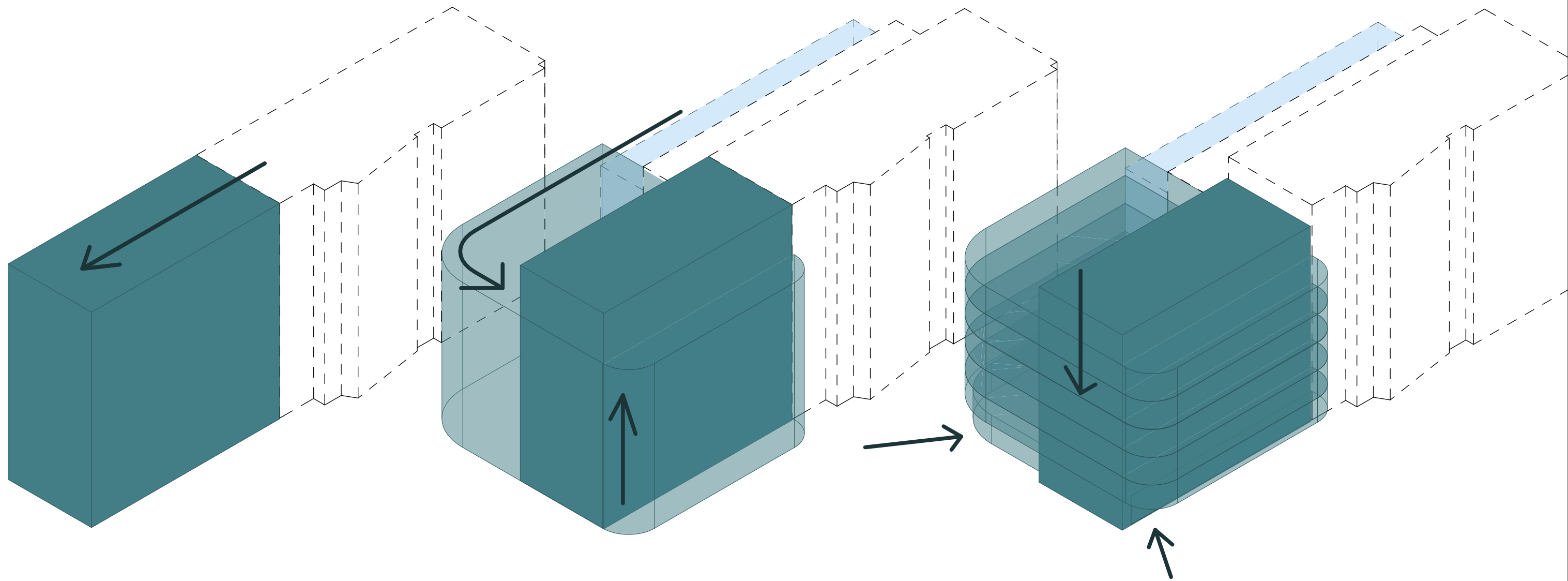
Engineering plans_source IPR



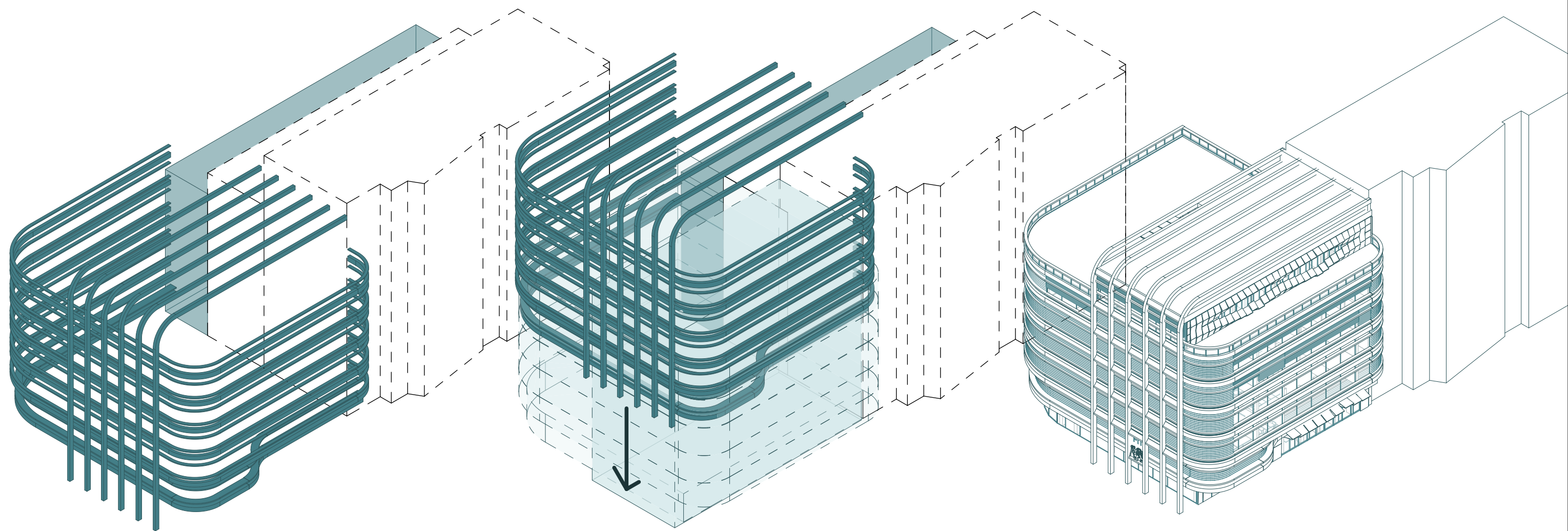
Prague master plan_source IPR



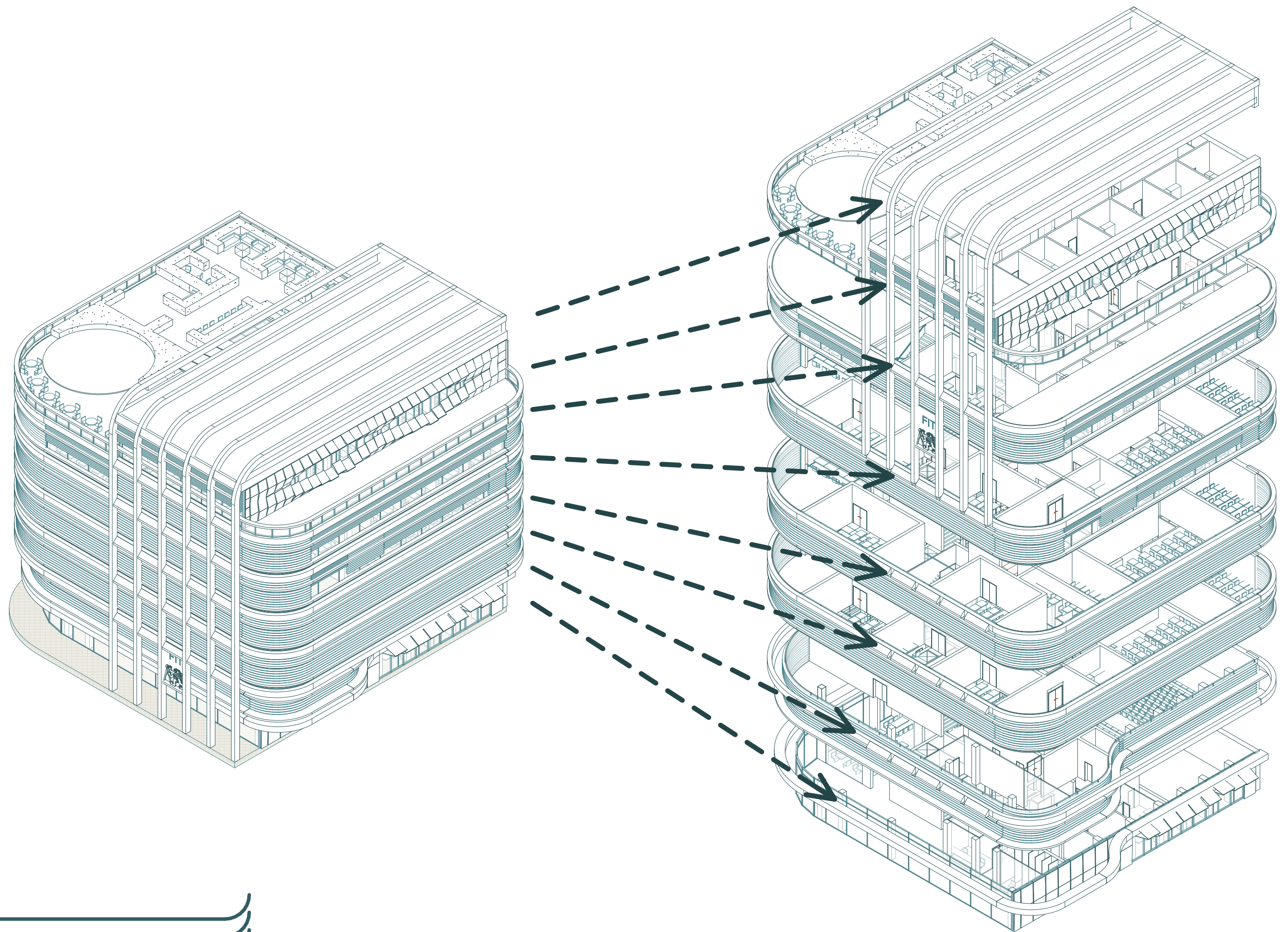
Roof types and ledge height_source IPR



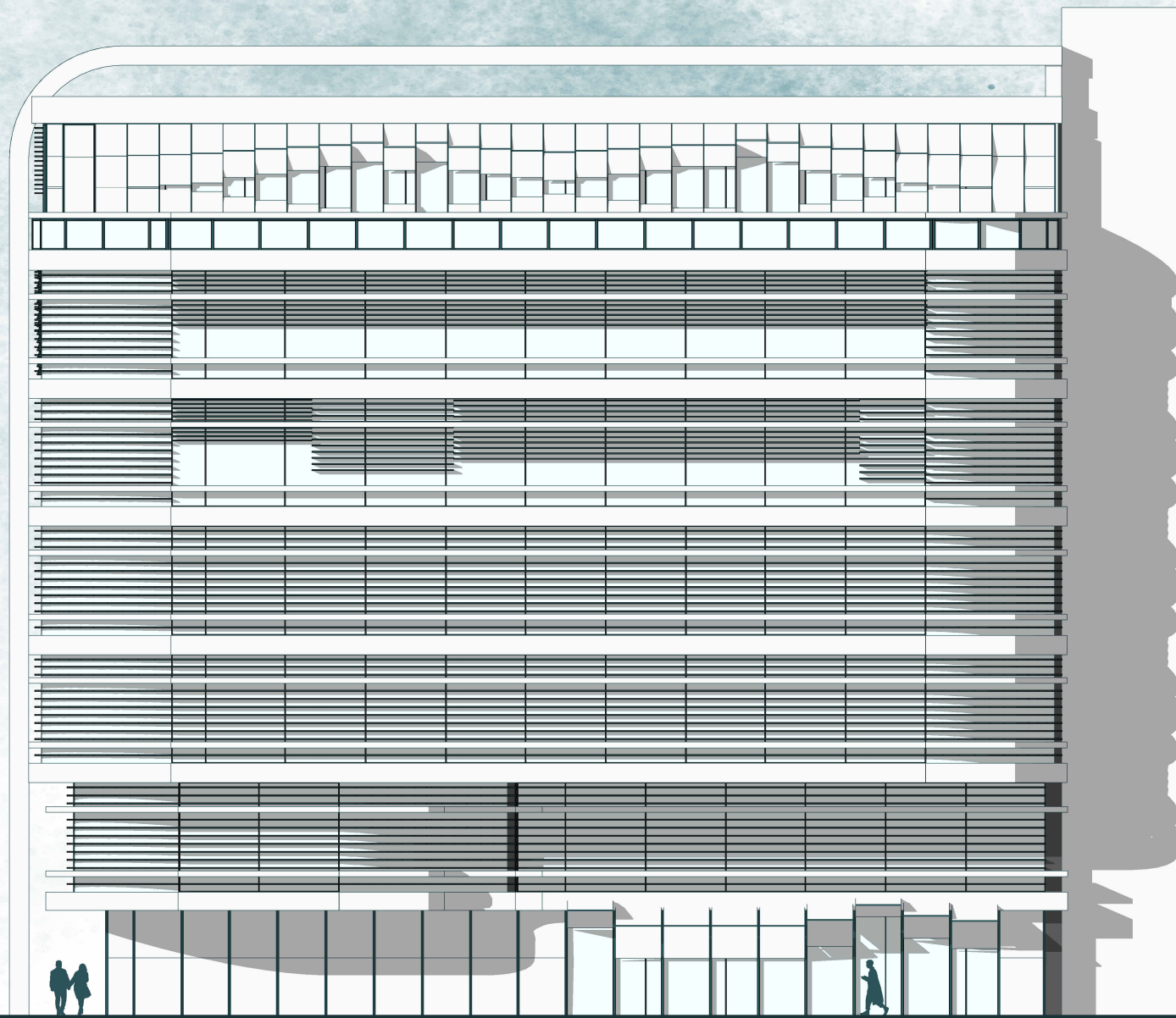
Volumetric scheme I



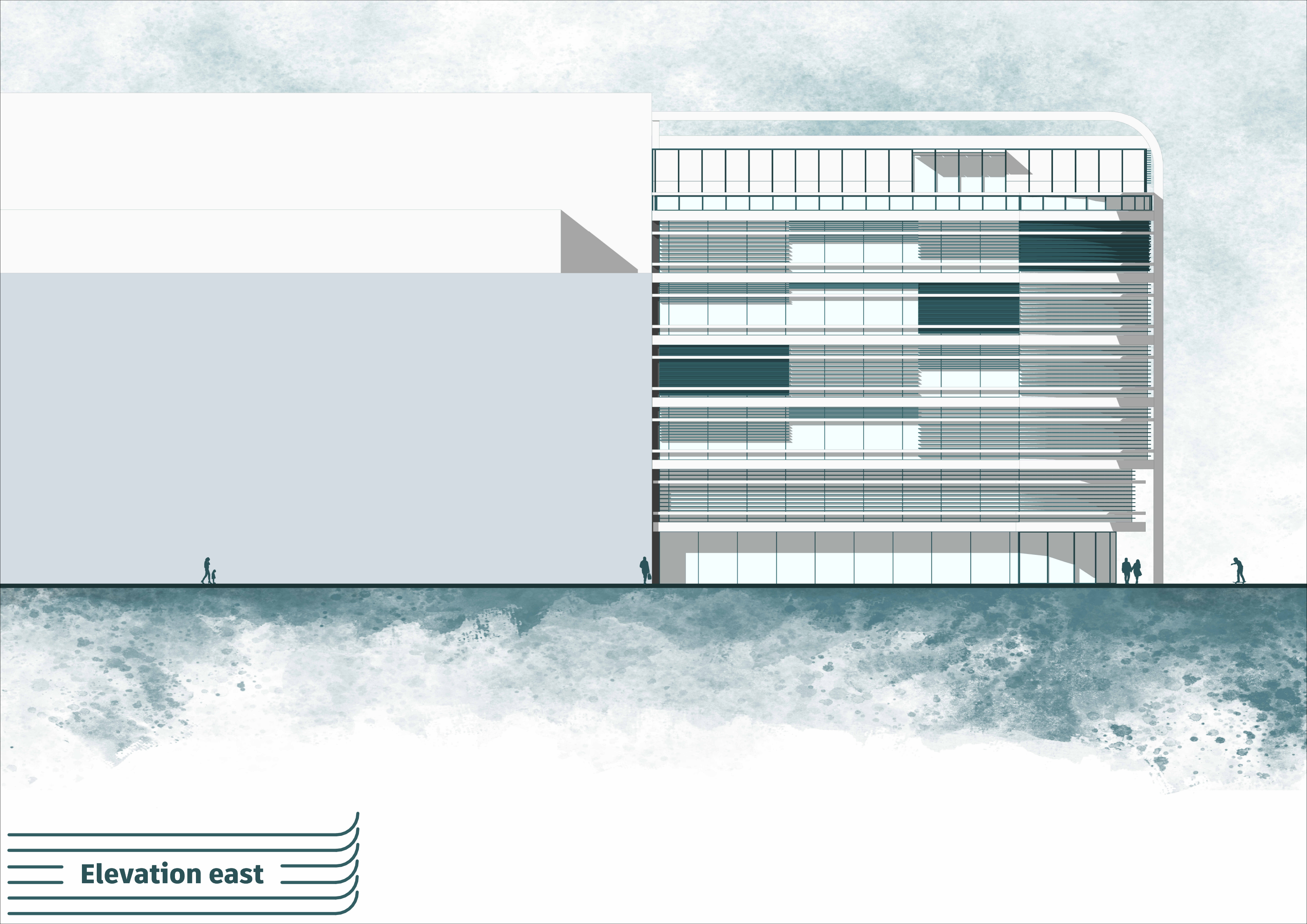
Volumetric scheme II



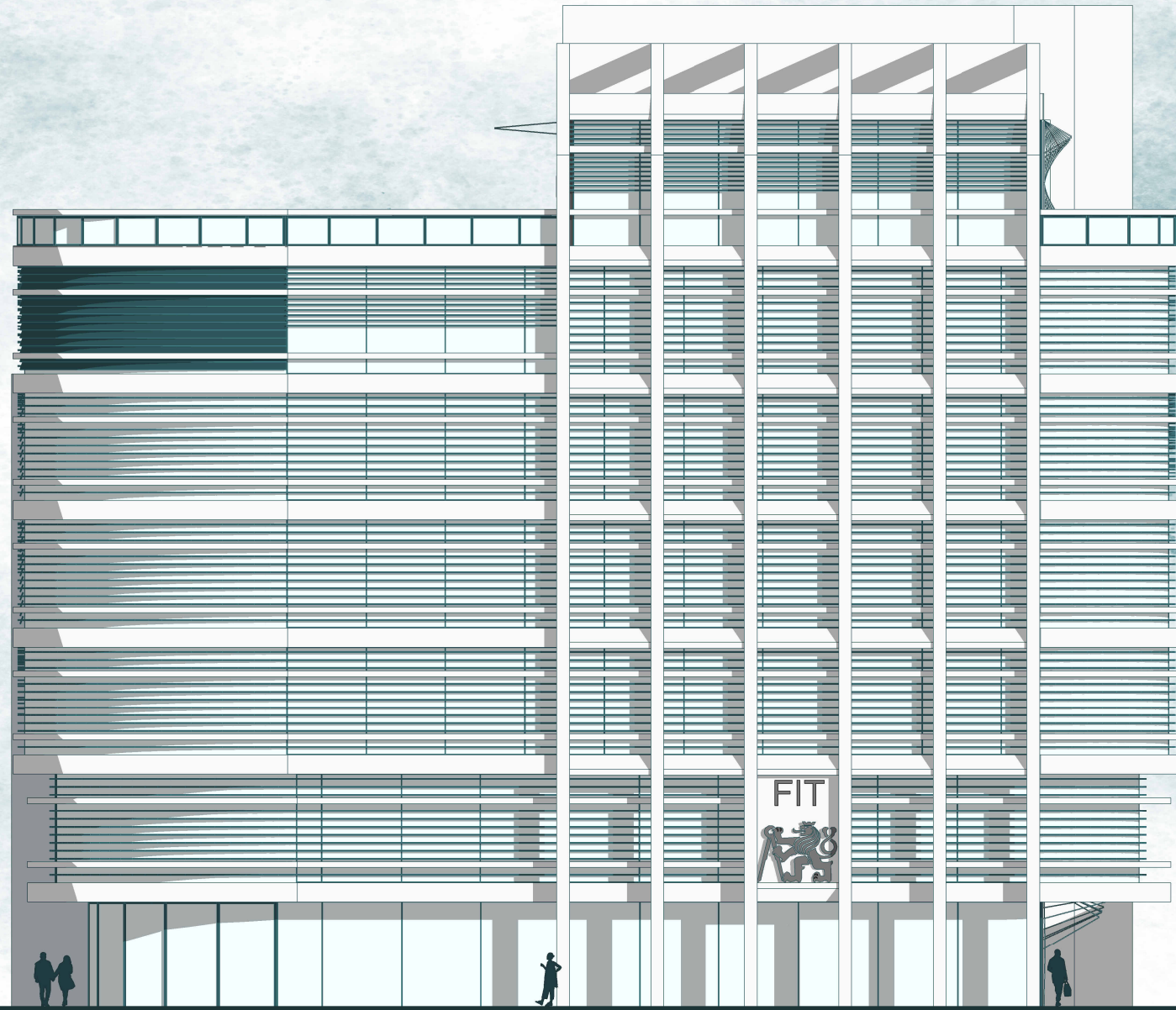
3D Diagram



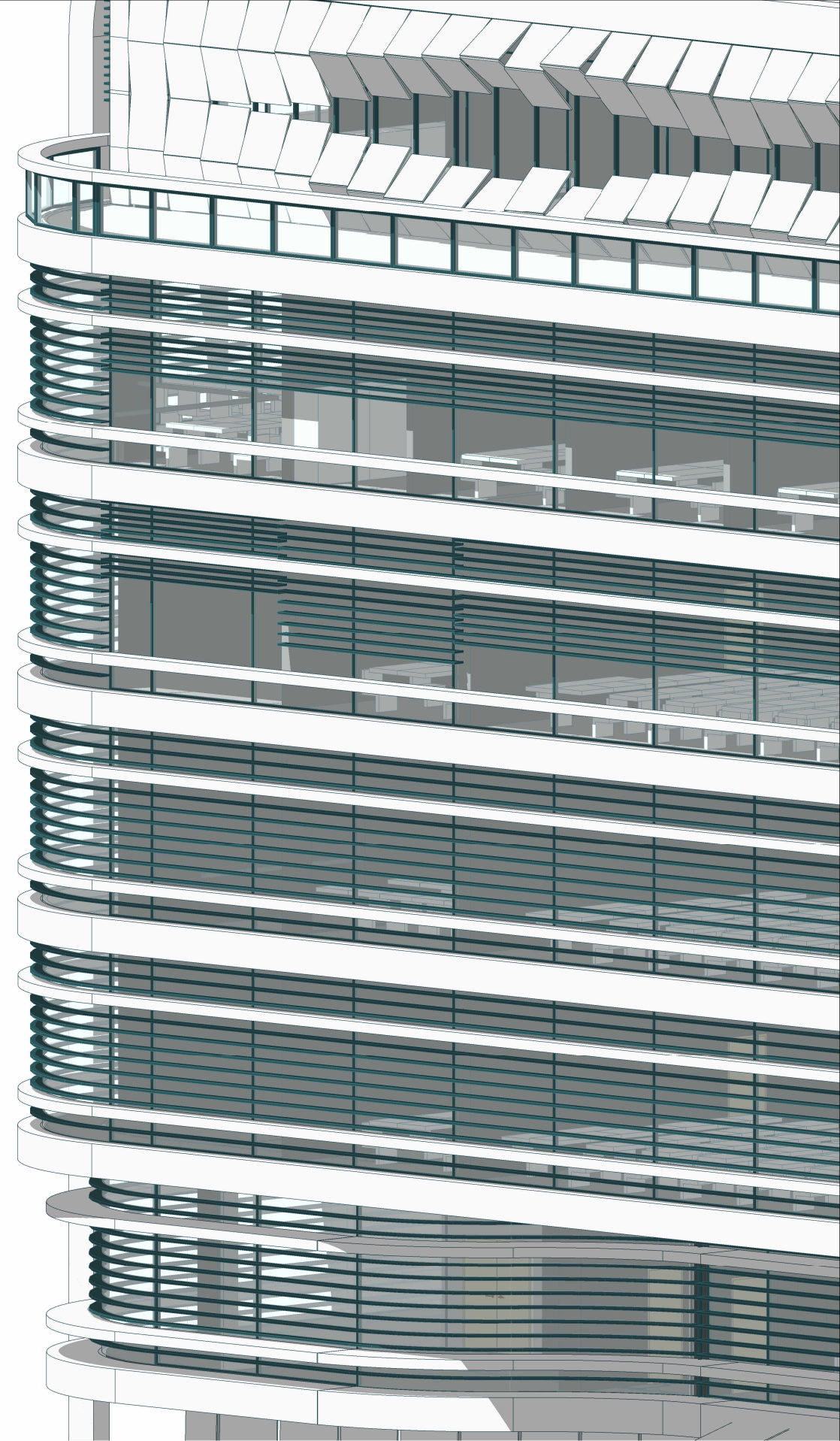
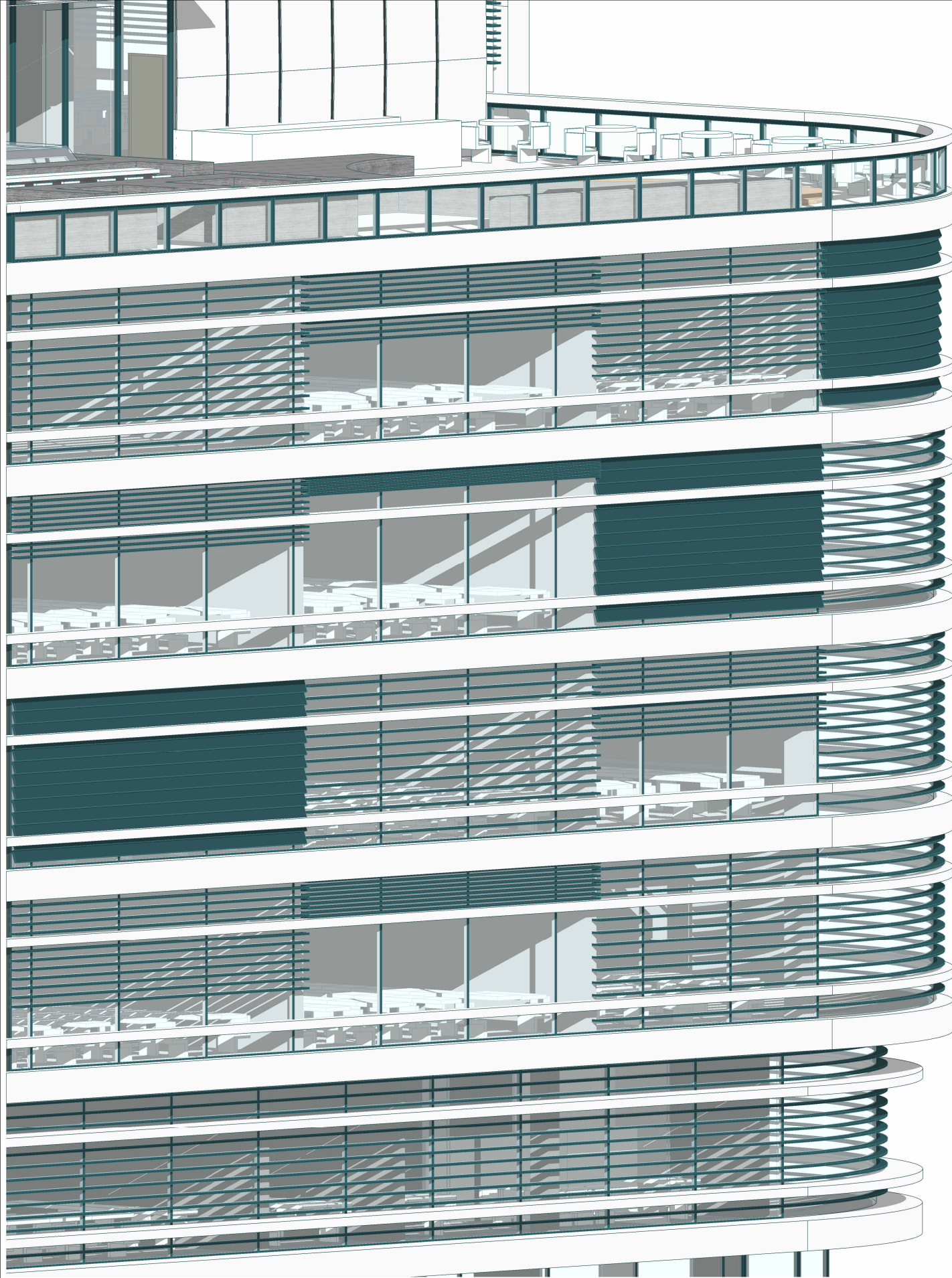
Elevation west



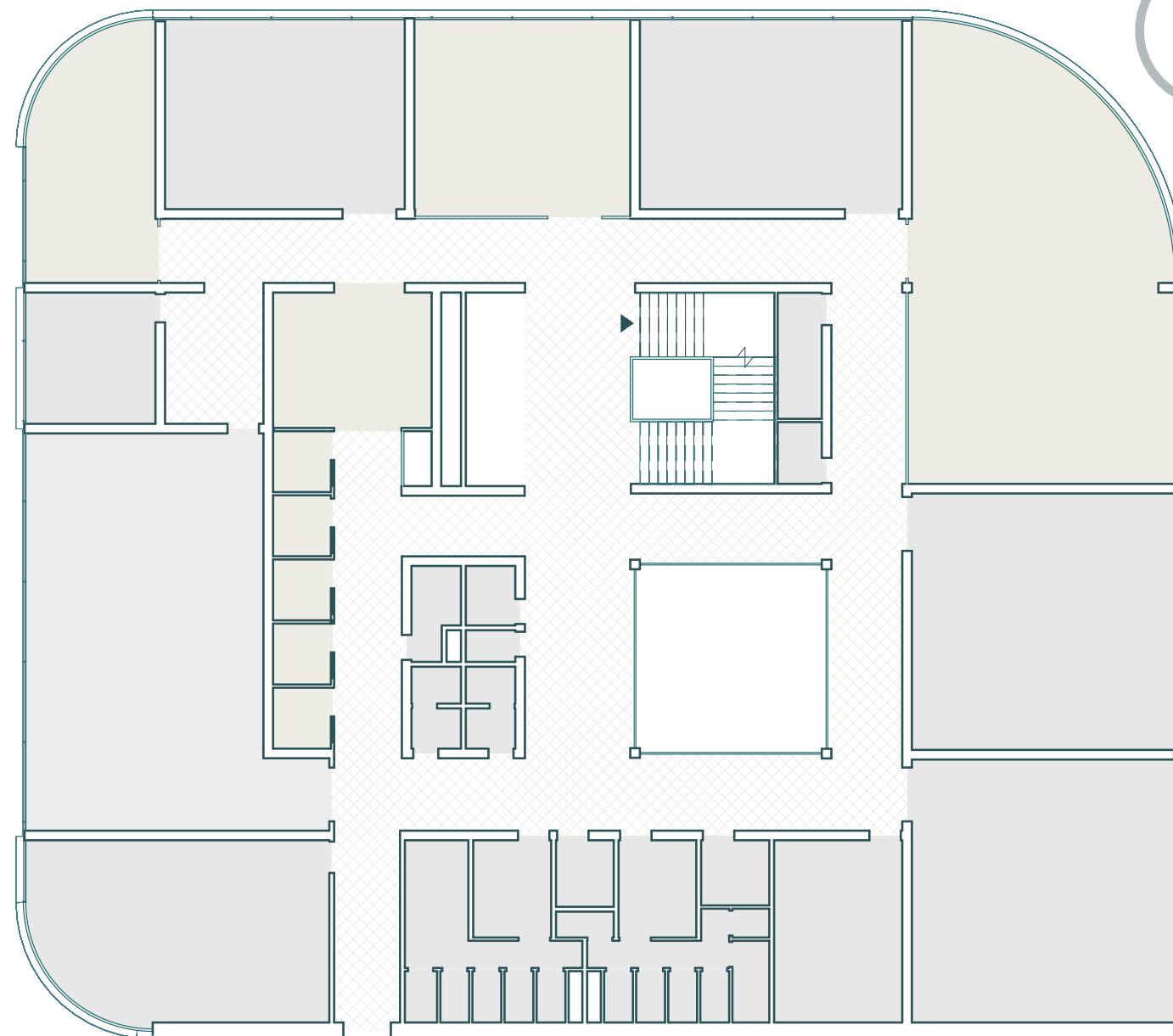
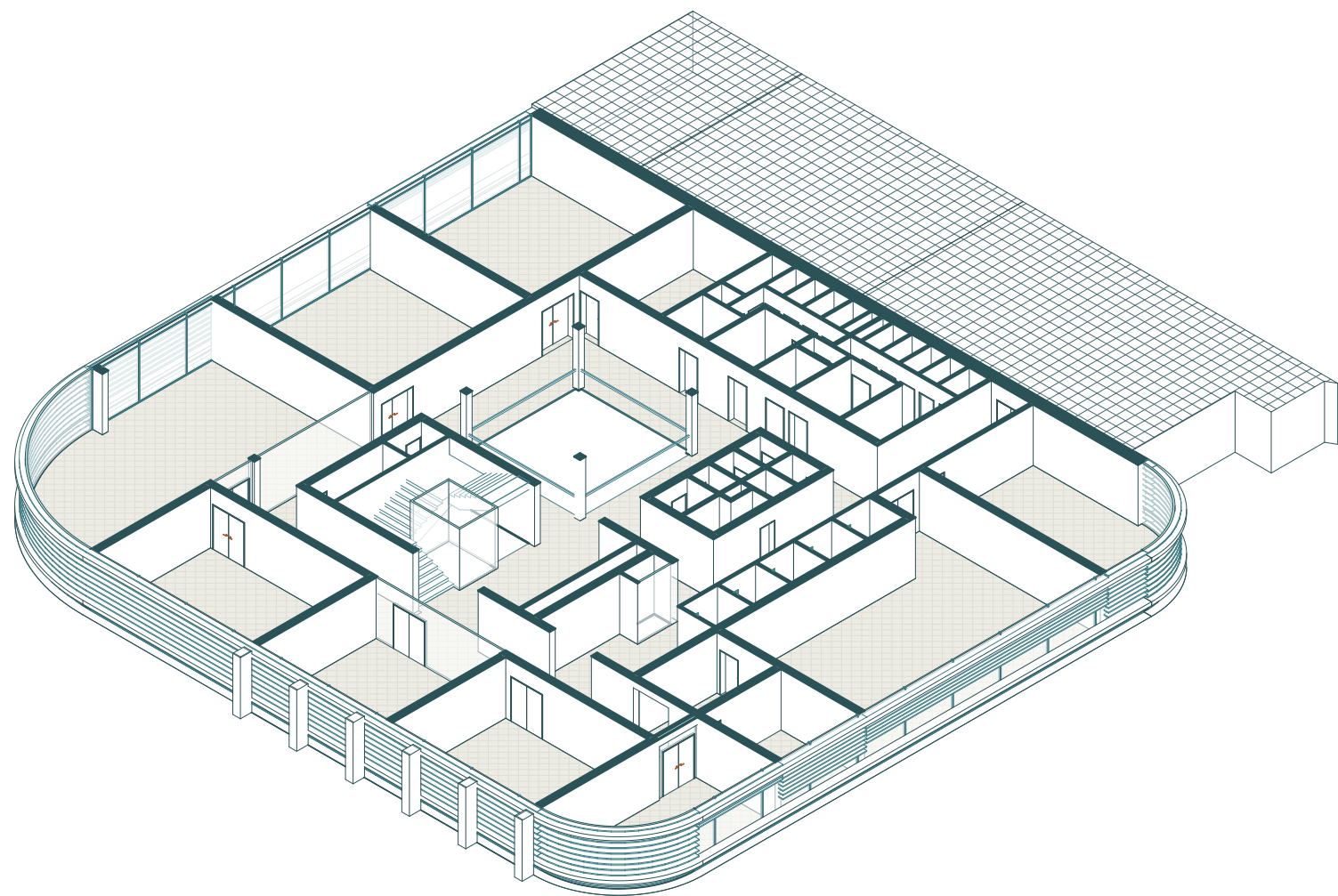
Elevation east

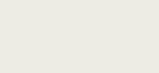
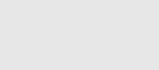


Elevation north



— Detail facade-rollers —



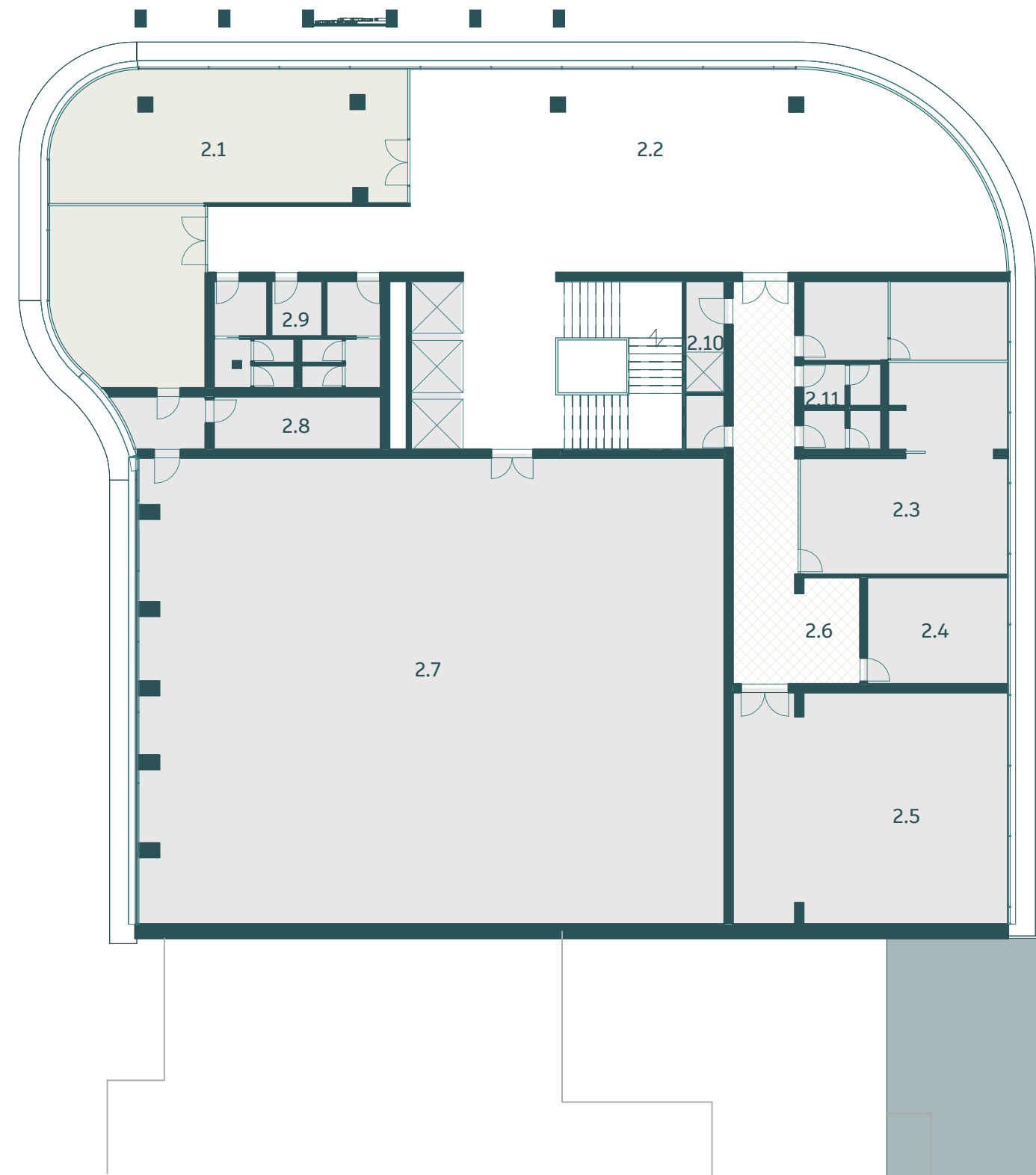
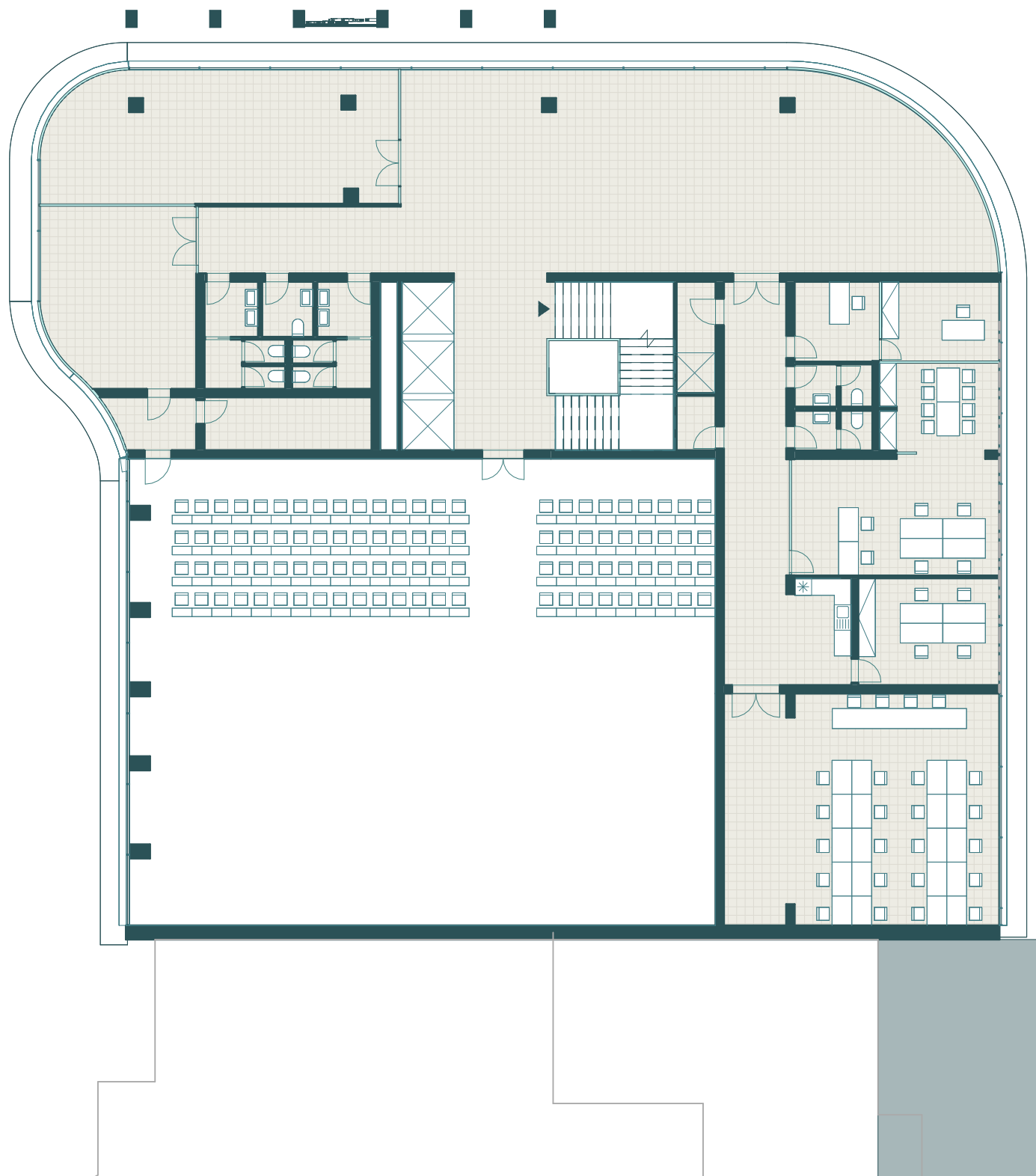
-  Places to meet
-  Places to study

Interior concept



1.1_Cloakroom, 1.2_Reception, 1.3_Cafeteria, 1.4_Lecture room, 1.5_Aula, 1.6_Office, 1.7_Office 1.8_Office, 1.9_Office, 1.10_Kitchen, 1.11_Technical elevator, 1.12_Technical core of the floor, 1.13_WC employees, 1.14 _Technical spaces, 1.15_WC core for students

1.NP



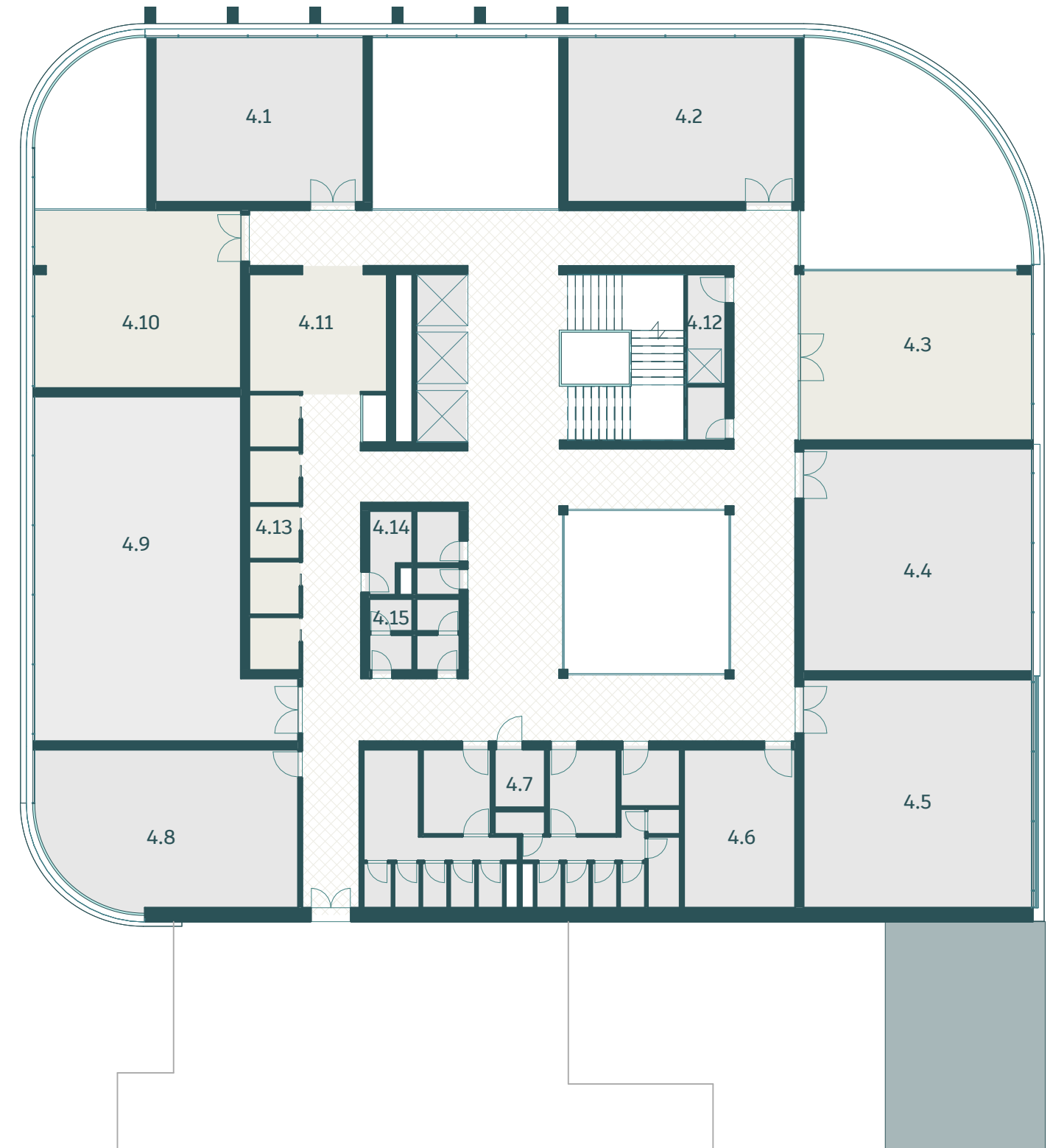
2.1_Multifuncional space, 2.2_Space for exhibitions, 2.3_Deans offices, 2.4_office, 2.5_Lecture room/Big meeting room, 2.6_Kitchen, 2.7_Aula, 2.8Technical space, 2.9_WC for students, 2.10_Technical elevator, 2.11_WC employees

2.NP



3.1_Respirium, 3.2_Classroom, 3.3_Respirium, 3.4_Classroom, 3.5_Respirium
 3.6_Classroom, 3.7_Classroom, 3.8_Computer lab, 3.9_Wc core for students
 3.10_Classroom, 3.11_Auditorium, 3.12_Office, 3.13_Student Kitchen
 3.14_Technical elevator, 3.15_Little study cells, 3.16_Technical core of the
 floor 3.18_WC employees

3.NP



4.1_Classroom, 4.2_Classroom, 4.3_Respirium 4.4_Classroom, 4.5_Classroom, 4.6_Technical space (Hardware), 4.7_Wc core for students 4.8_Classroom, 4.9_Auditorium, 4.10_Respirium, 4.11_Student Kitchen, 4.12_Technical elevator, 4.13_Little study cells, 4.14_Technical core of the floor 4.15_Rest zone, 4.16_WC employees

4.NP



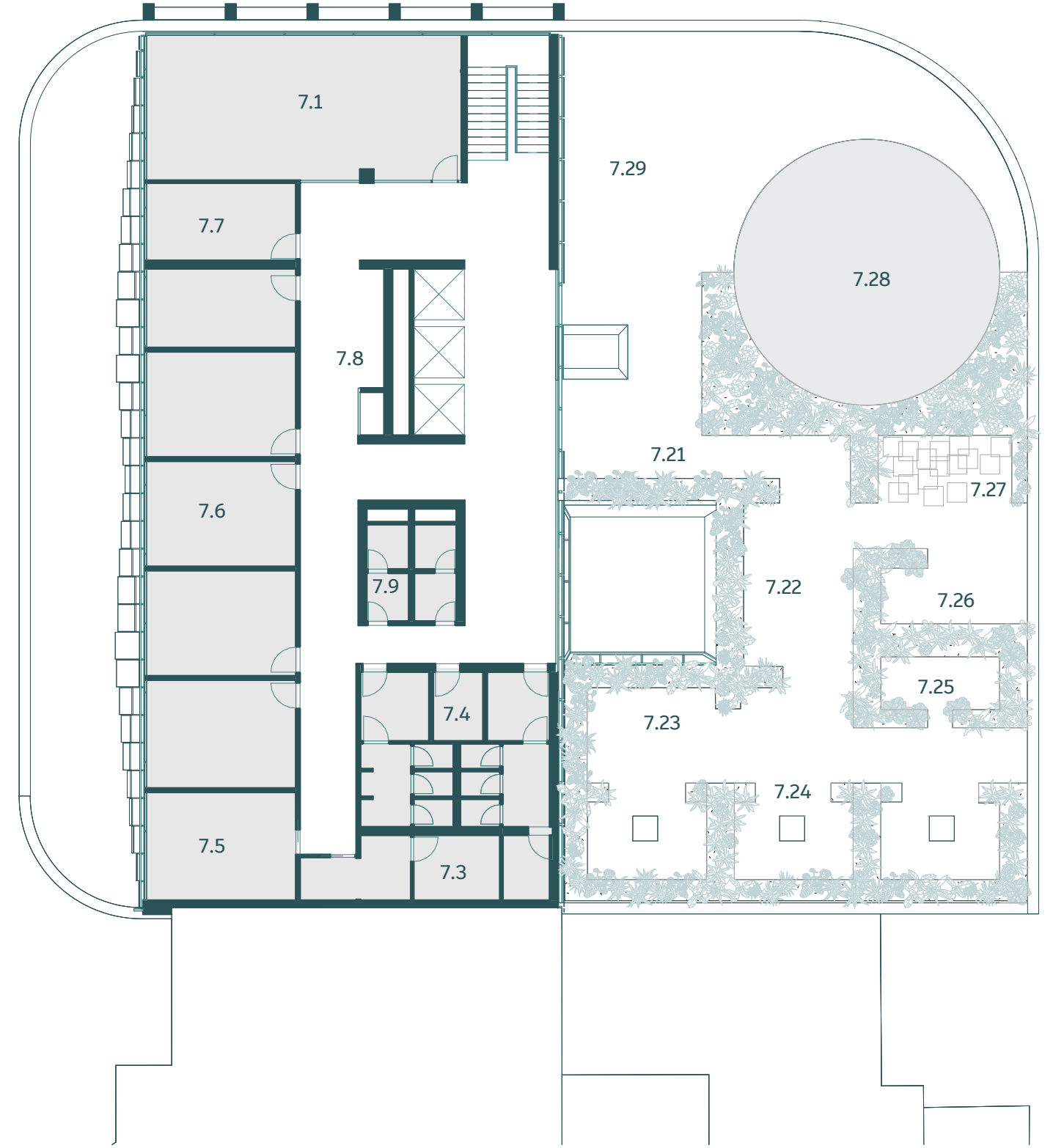
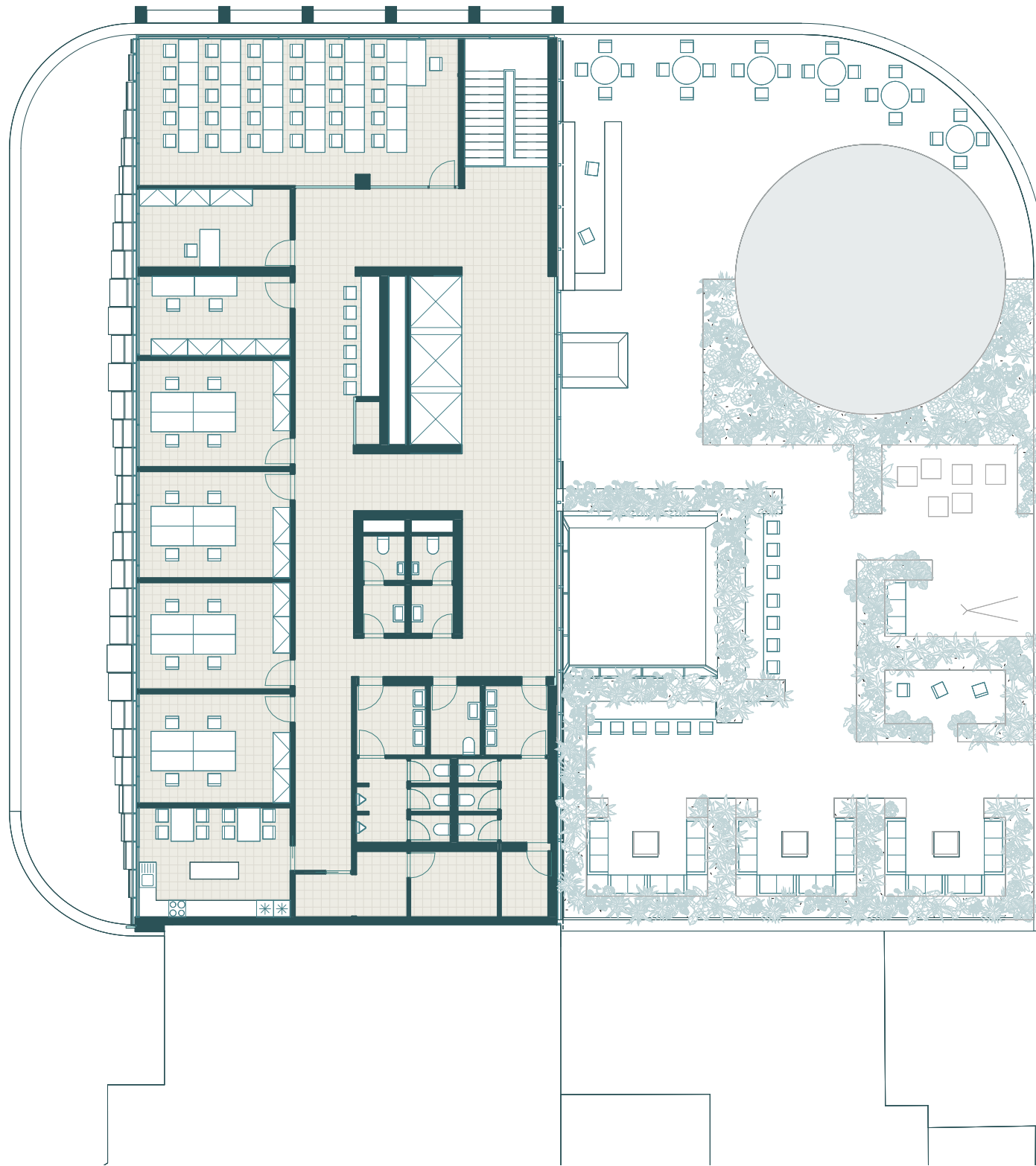
5.1_Respirium, 5.2_Classroom, 5.3_Respirium, 5.4_Classroom, 5.5_Respirium
 5.6_Classroom, 5.7_Classroom, 5.8_Computer lab, 5.9_Wc core for students
 5.10_Classroom, 5.11_Auditorium, 5.12_Office, 5.13_Student Kitchen
 5.14_Technical elevator, 5.15_Little study cells, 5.16_Technical core of the
 floor, 5.17_WC employees

5.NP



6.1_Respirium, 6.2_Classroom, 6.3_Classroom, 6.4_Classroom,
 6.5_Lecture room 6.6_Lecture room, 6.7_WC core for the students,
 6.8_Technical spaces, 6.9_Kitchen 6.10_Kitchen sitting,
 6.11_Technical spaces, 6.12_Offices, 6.13_Floor office 6.14_Study zone,
 6.15_Technical elevator, 6.16_Rest zone, 6.17_WC employees
 6.18_Meeting room

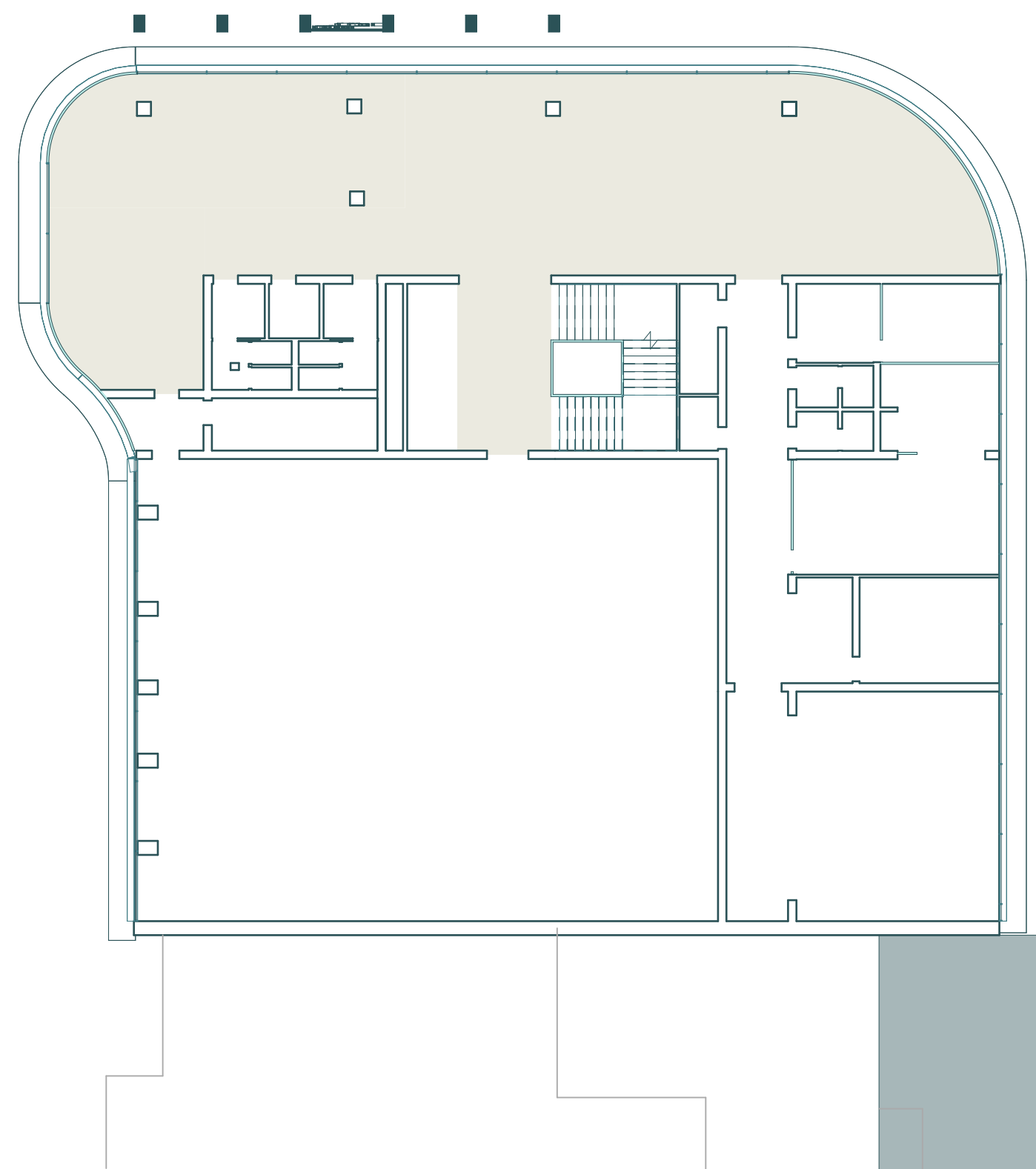
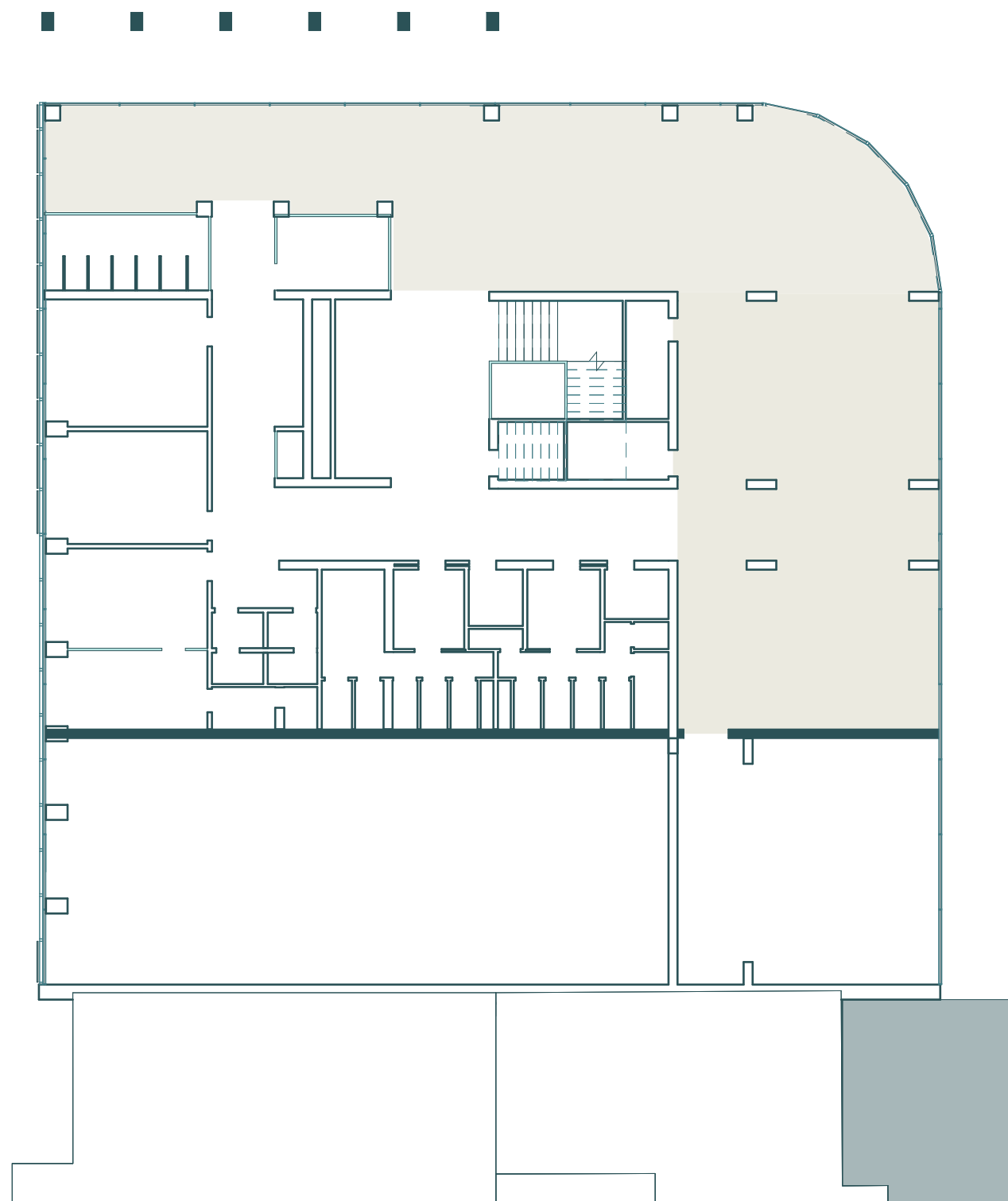
6.NP



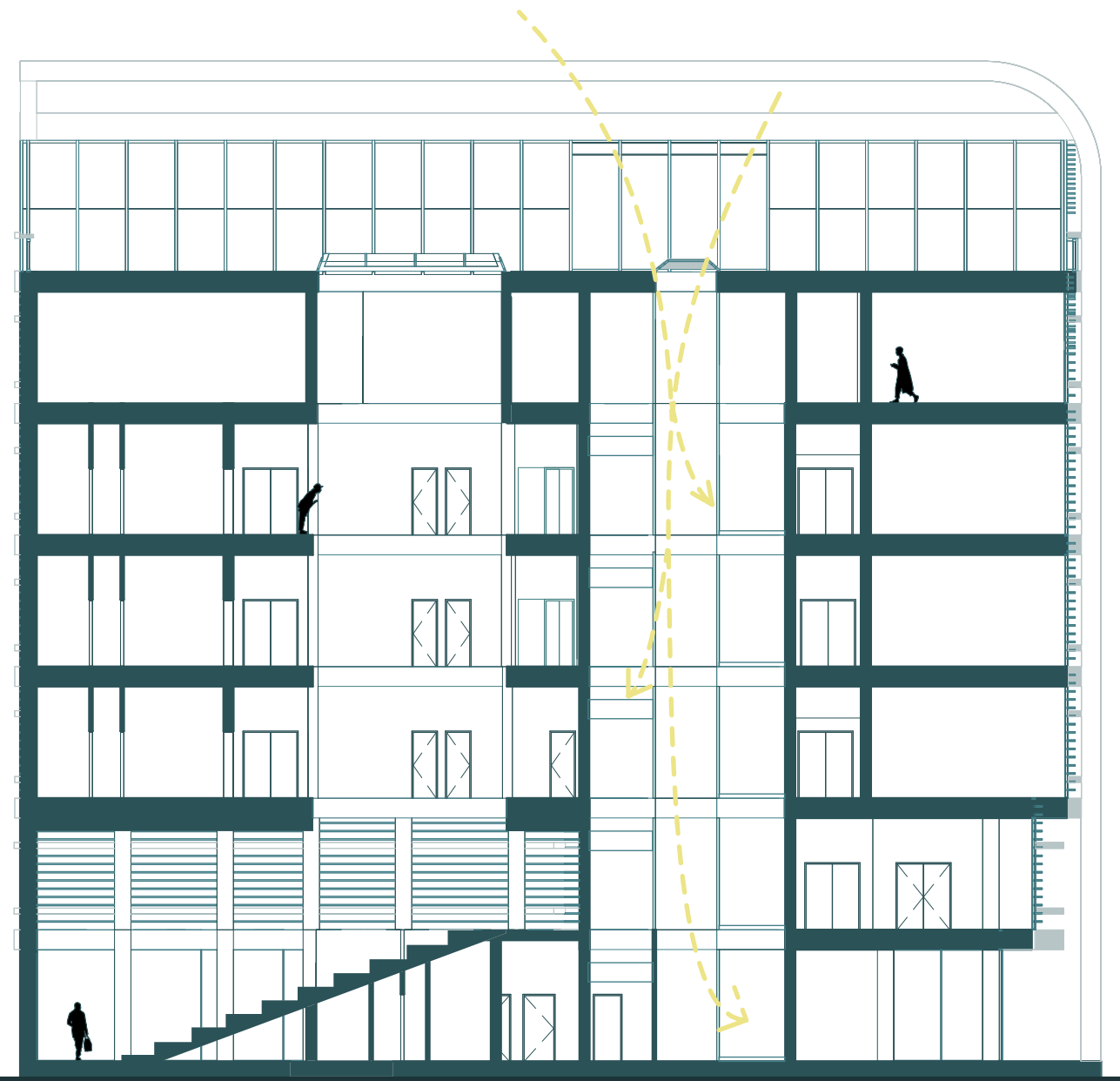
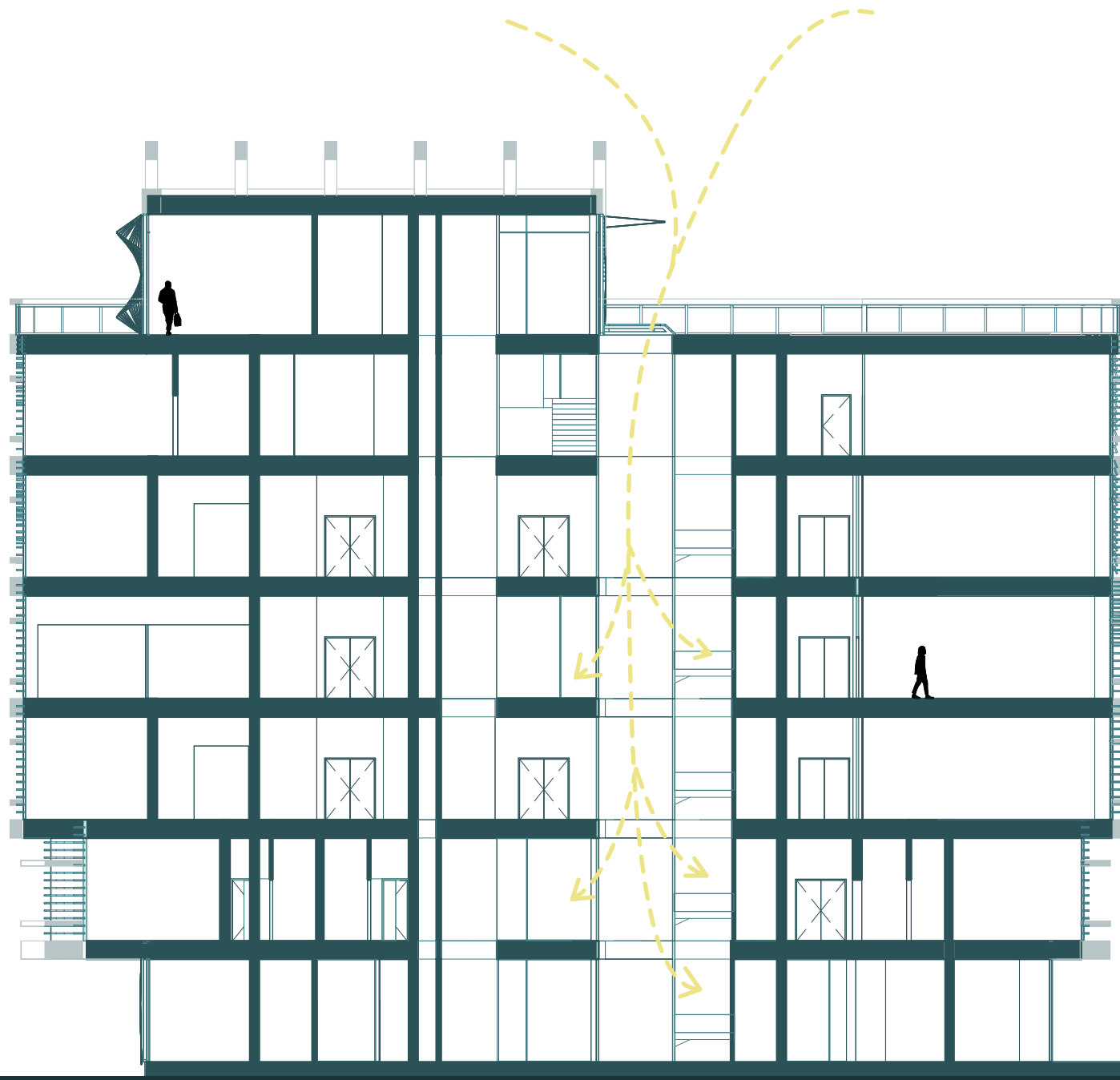
7.1_Classroom, 7.2_Roof terrace-7.21_entry zone, 7.22_study zone, 7.23_study zone, 7.24_rest zone, 7.25_meditation zone, 7.26_observatory zone, 7.27_rest zone, 7.28 meeting center, 7.29_FIT Bar

7.3_Technical spaces, 7.4_WC core for the students, 7.5_Kitchen 7.6_Office, 7.7_Floor office, 7.8_Study zone, 7.9_WC employees

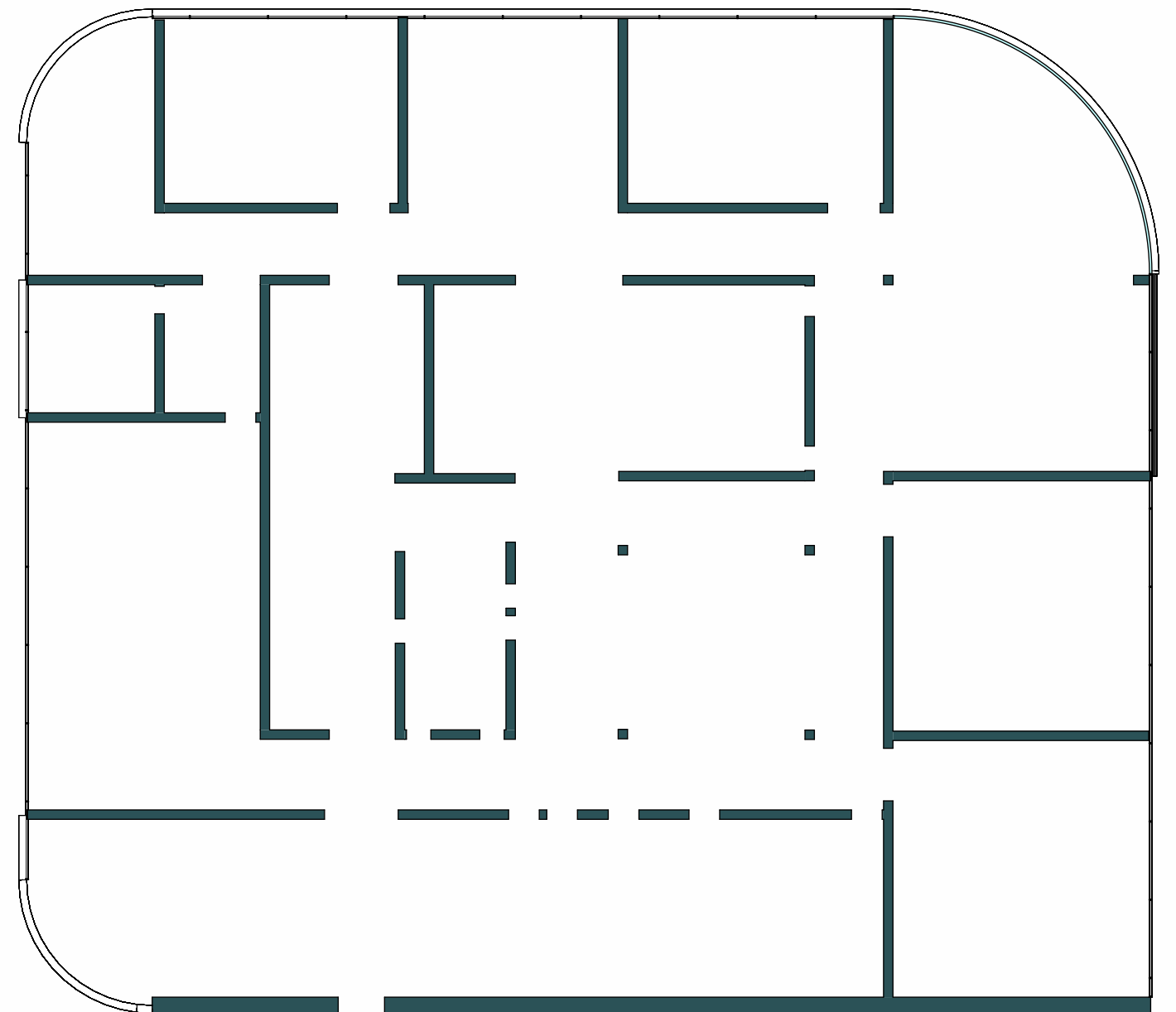
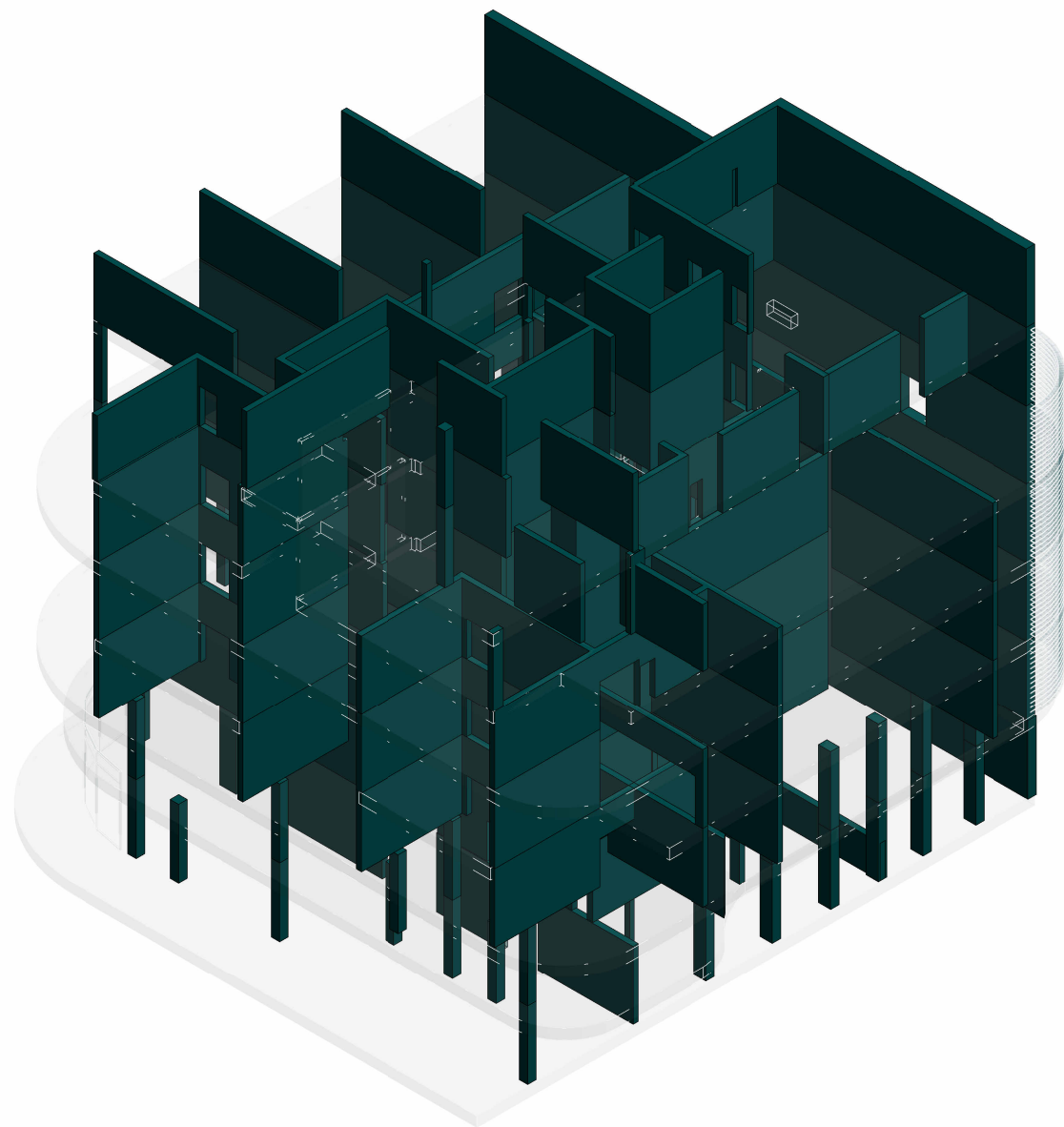
7.NP



Spaces in first and second floor that can be used in multiple ways.
 This scheme shows places that can be used for the important job
 festival COFIT.
 This festival and other like this integral part of the Faculty.

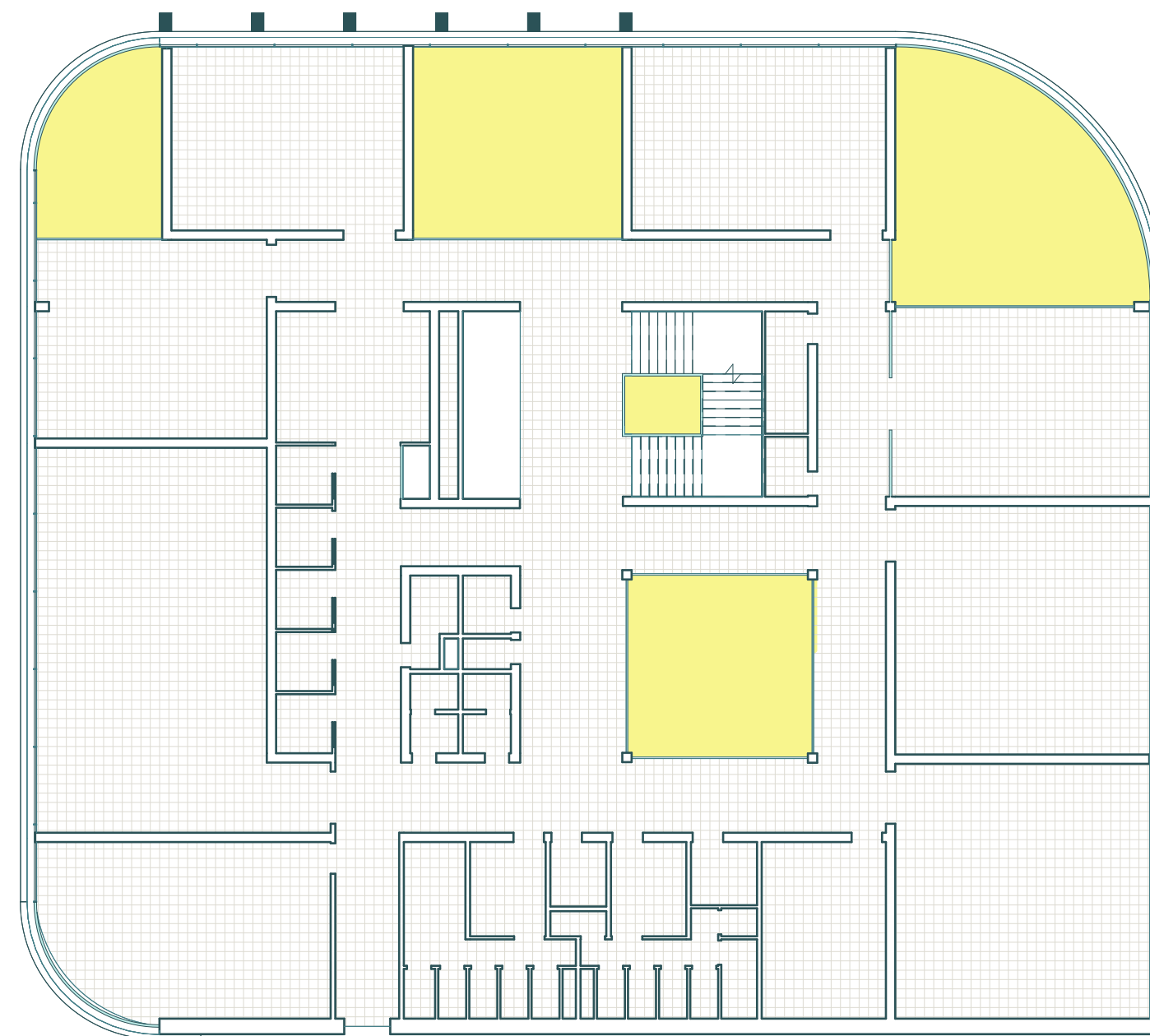
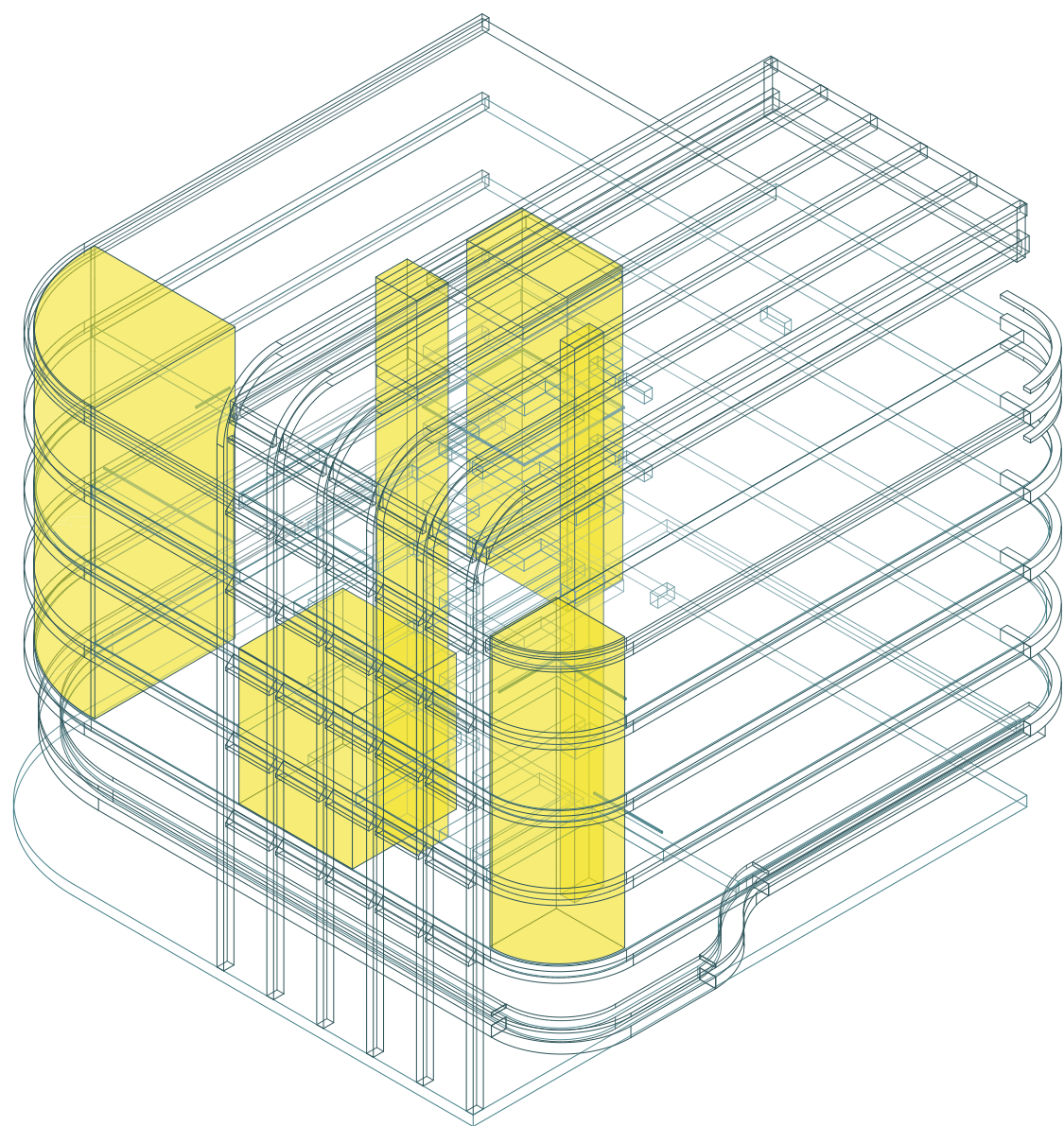


Sections



The structural system is based on structural walls and columns inside the building itself. The outer walls are mostly glazed and therefore cannot support the weight of the building. The advantage of mostly walls apart of columns is better reinforcement of the cantilever parts of the faculty. The ceiling of the big Aula is reinforced with beams and is the only one much stronger than the others. It is necessarily because of the load-bearing walls that are placed on top of each other or bearing collums directly.

Structural system



fit-nite.