LUCIAN BLAGA HIGHSCHOOL, CLUJ-NAPOCA DESIGN COMPETITION

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Neighbouring streets:

The lush greenery on the surrounding streets contributes to the area's pleasant and liveable atmosphere. Due to a lack of parking spaces, cars are parked everywhere, obstructing pedestrian walkways, while cycling is not encouraged either. We plan to create an intensive green axis connecting the two properties, which will eventually eliminate parking. We would add a pedestrian and bicycle lane to Băișoara alley, which now has just one-way car traffic. In the area between the two plots, we envision three thematic extensions (playground, skatepark, and street workout), all of which would be accessible to residents as well, resulting in intensive use of public space. Establishing pedestrian and cycle paths in the surrounding streets is also a priority.

Functionality:

The existing buildings, with their pillared, rational, perforated architectural design, can perfectly accommodate the cellular classrooms. The raster of the pillars and the spacing of the bracing walls are ideal for classrooms of 22-30 students. Therefore, we solved the extension of the classrooms by building a new floor level, continuing the building's functional and spatial characteristics. The new community functions require a large, contiguous spatial structure that differs from the features of the existing buildings, so these were accommodated in a new building/extension. Classrooms were eliminated from the ground floor of the existing buildings, parapets were lowered where possible, and partitions were demolished to connect the ground floor intensively to the courtyard. The library, canteen, and teachers' offices are all connected to this more transparent ground floor. The classic classroom structure is repeated on the upper floors, with the addition of ceiling overhangs in the communal spaces at each level, allowing for more intense communication between students during breaks. In the case of the sports halls, we utilized the rooftops of each structure to provide additional options for outdoor activities. A colorful, eye-catching mesh structure dominates the character of the buildings. The northern multifunctional hall, with fixed and mobile stands, is ideal for large-scale events and celebrations. The hall has a separate entrance, so it can also be used for commercial purposes outside school hours.

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1. concept of urban space_M 1:200



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3. concept of urban space_M 1:200

A-A street section_M 1:200

en one way car green bike pedes. green

B-B street section_M 1:200

n one way car green bike pedes.

C-C street section_M 1:200

en one way car green bike pedes. public space

ELEMENTARY SCHOOL_north site_story diary:



school entrance with circle pavilion

There are only 20 minutes left until math is finally finished for the day. Despite my dislike of mathematics, I enjoy this classroom because I like these wooden window seats.

public space

sports hall

We'll start the break in the entrance lobby, checking out the newly arrived vending machine.

public space, playground with pavilions

Today's gym class will be held in the courtyard! I hope we can try out wall climbing.

The biology class will also be in the garden, and I heard the birdhouse has new residents.

Yay, there's mitritei for lunch today! We will sit by the window because from there you can see the older ones, they say one of them can already bag.

HIGHSCHOOL_south site_story diary:











I'm meeting the others at the pavilion a little early today, because I have to copy someone's homework.

That group is so cool, they always sit at that bench before school.

I hope today's assignment in drawing class won't be another boring still life.

I'm running late, but I can ride my bike to the auditorium for dance rehearsal in two minutes! The skatepark seems pretty empty now, even though it's usually crowded.

Cool, actors are performing in drama class today; perhaps I should be an actor?



existing perspective from Băișoara alley (north site)

Layeredness

Our design intention was to create a refreshing oasis in the dense residential area, where the two school buildings, their courtyards, and the public spaces between them present a coherent, arranged image and create an inspiring environment for learning. It is a scientifically proven fact that the built environment has an impact on mental health, which is especially important at this young age when everything is about growth, discovery, and personal development. The guiding principle was to use high-quality, timeless natural materials and to create as strong a functional and visual connection to the courtyard as possible. When extending the existing buildings, we prioritized rationality and adaptability to the conditions, while also attempting to visually demonstrate the temporal layering between old and new. The lightweight extensions are constructed with CLT panels, so the interior wooden surfaces indicate the new building parts. Externally, these new structures get thermal insulation and a highly textured, vertically "raked" plaster, with colorful paintings and large openings. Although they are simple in form just like the existing structure, their colors, and textures are strikingly different.



existing perspective from Băișoara alley (south site)

