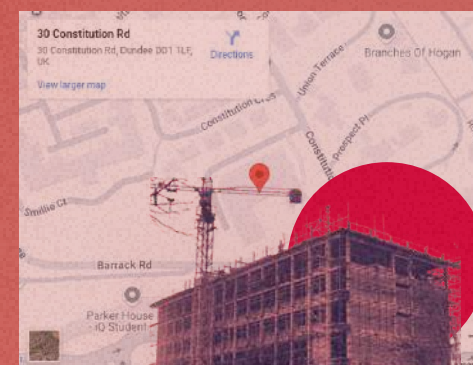


co-concrete

building Former Dundee College

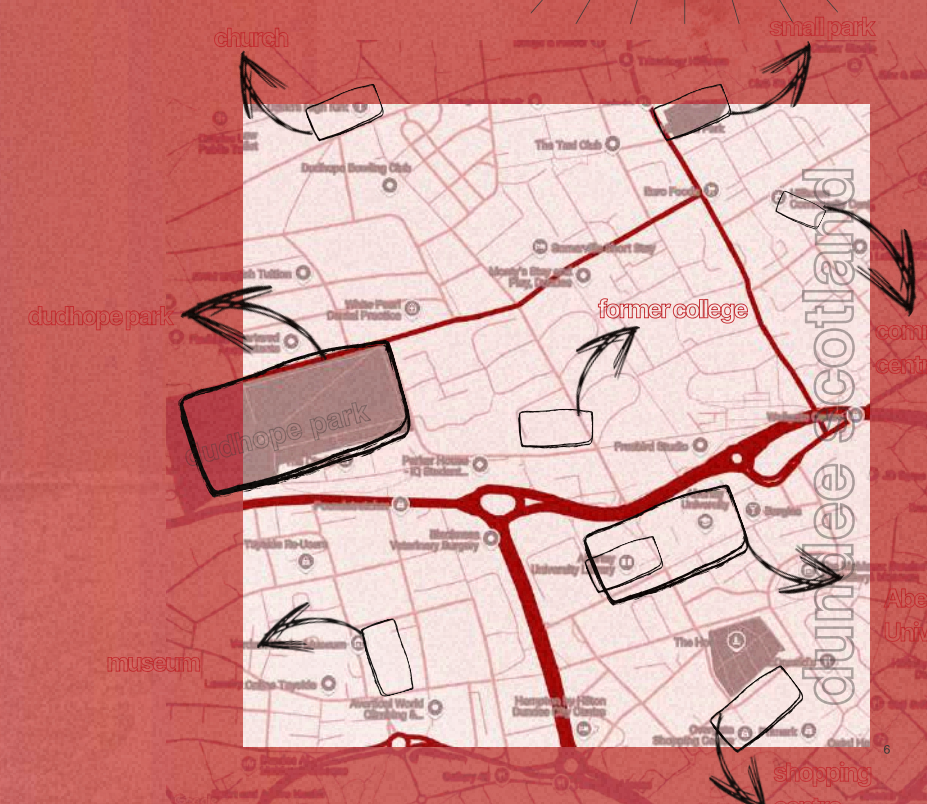
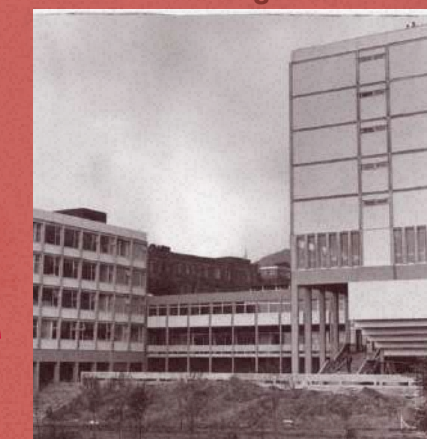
Located at 30 Constitution Road, the former Dundee College is a striking Brutalist complex completed in 1969. Built on a corner near Dudhope Park, it offers amazing views over Dundee and is just minutes from major bus routes and centre, with plans underway to develop a cycling corridor nearby improving future connectivity.



Location



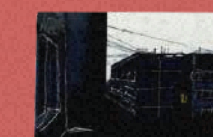
State Of Building



After conducting site visit I came up with conclusion that surrounding the site is a diverse neighborhood of families, students, and elderly residents, making it well-suited for intergenerational living. The local council has approved several redevelopment plans over recent years, from student accommodation to serviced apartments, confirming the site's long-term viability.

personal relationship to Brutalism

My connection to Brutalism is both personal and purposeful. Growing up around similar buildings, I learned to see beyond their cold exterior to the stories and potential within. For me, climate action means not just preserving the past, but transforming it—making these heavy forms lighter, greener, and more human for the future.



the brief

This project proposes the adaptive reuse of the former Dundee College into a multi-generational co-living hub that balances privacy with connection. Rooted in personal experience and inspired by the emotional weight of Brutalist architecture, the design transforms an abandoned educational building into a dynamic living environment where young and elderly residents can coexist and create meaningful relationships.

At its heart, the project explores the movement of daily life. Through journey mapping, circulations and the routines of young and elderly residents are translated into architectural zones that invite natural moments of overlap. Living spaces are placed around shared environments, gardens, lounges, and communal kitchens, where spontaneous connection is possible but never forced.

Climate action and community are inseparable. By reusing the existing Brutalist structure, we would save over 58% embodied carbon compared to new build—equivalent to planting 3,200 trees. Every intervention is designed to reduce waste, support biodiversity, and foster daily human connection.

This project is not just a housing solution, it offers a vision for how we can live better, together, across ages and experiences.

engagement task

To shape a climate-resilient community, I invited future residents to co-design spaces using a hands-on toolkit. This playful process revealed how shared kitchens, open gardens, and private nooks can help people of all ages live well together—while sharing resources and reducing environmental impact.

1. A Shared, Open Space:

A setting where people of all ages can come together, chat, and connect.

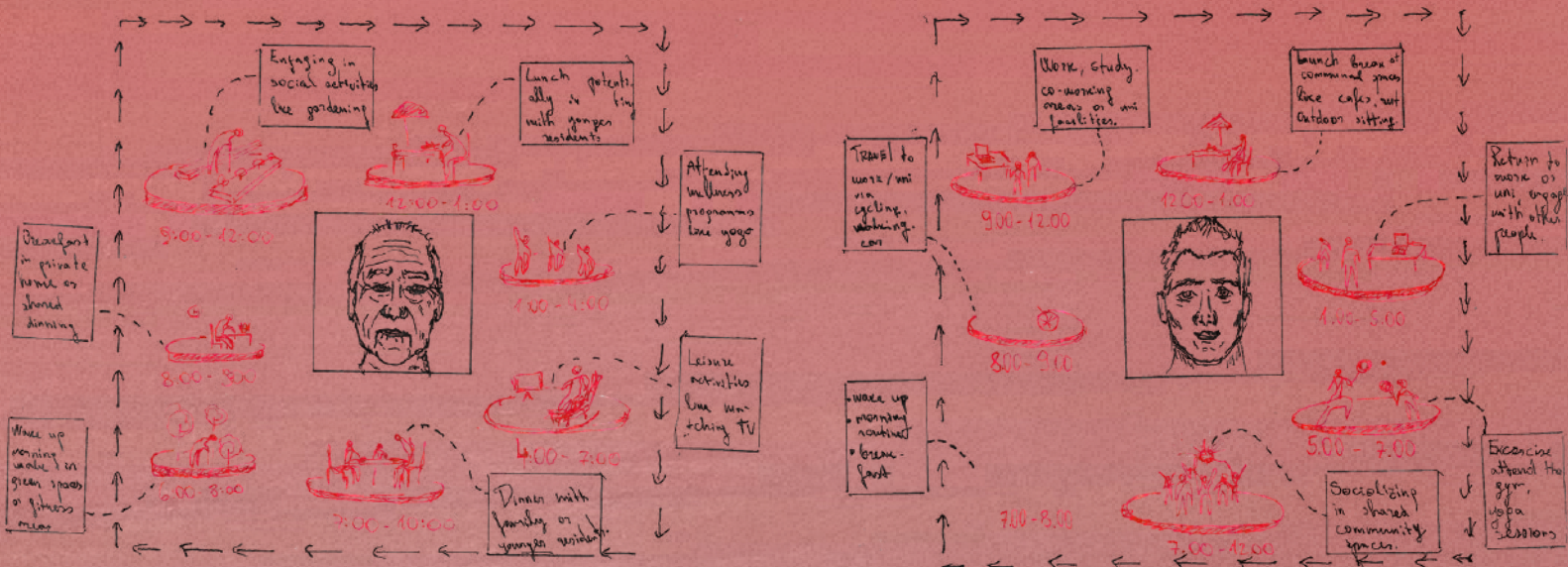
2. A Private, Enclosed Space:

A personal, cozy area designed for calm, quiet moments.

There were no rules

participants could group, stack, or scatter the pieces however they liked. Afterward, they reflected on what made each space feel social or secluded, open or contained.

journey mapping



OBSERVATION

CONCLUSION

01 Participants often used curved or stacked shapes to create intimate corners.
Design visually and acoustically private spaces, especially for elderly users or individuals needing a break.

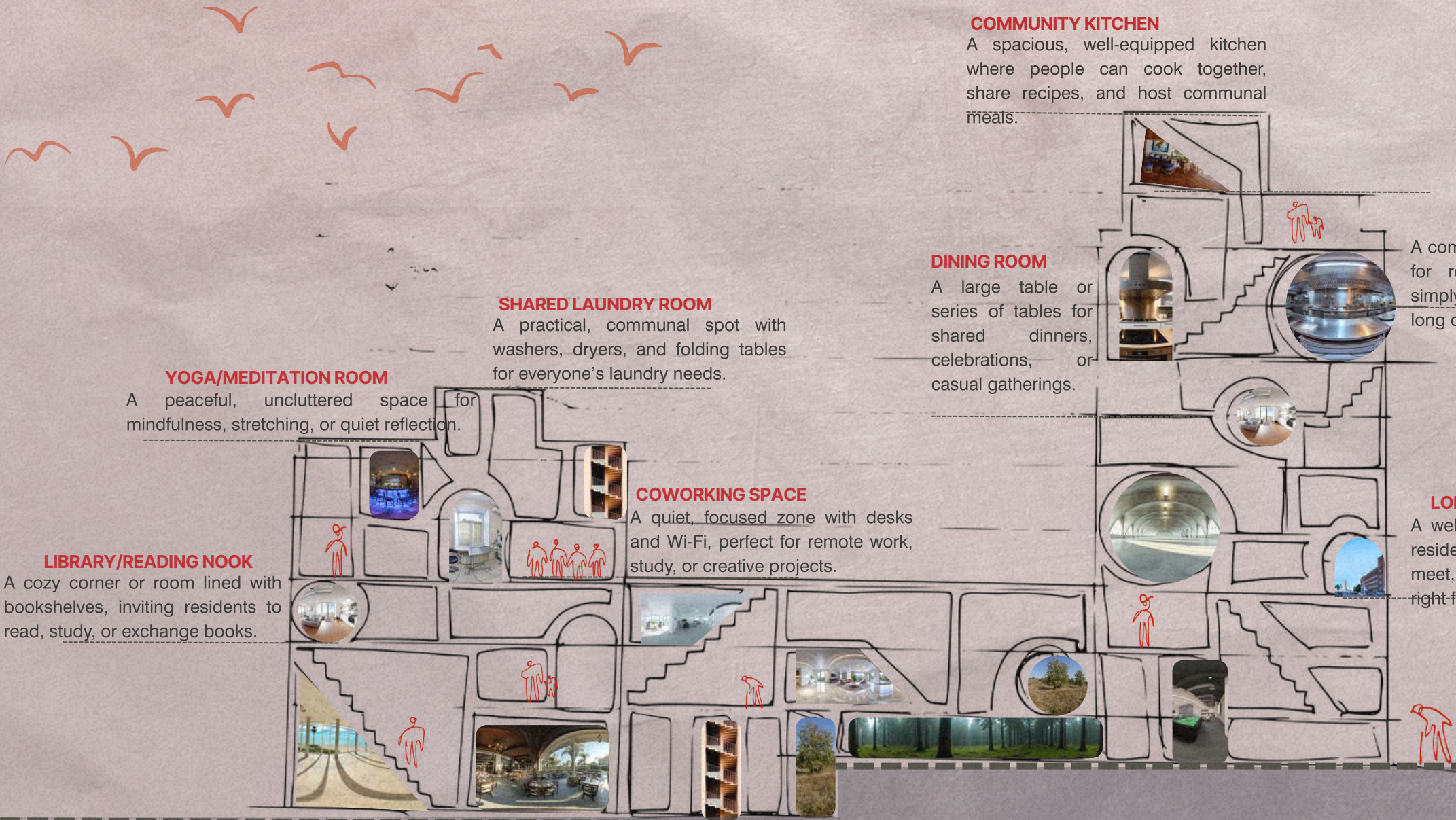
02 Many built compositions that were layered but open, slightly organic shapes that allowed for both interaction and movement
Design informal gathering areas that don't force interaction but invite it gently.

03 Younger participant combinations had more playful structures and unexpected spatial layouts, older participants had more orderly, calm layouts.
Foundation for intergenerational zoning, where different age-based preferences influence both form and spatial layout.

04 Concrete's texture and weight reminded participants of public spaces and Brutalist housing.
Reassures one of my design goals—softening brutalist memories, making them more human and emotionally responsive.

05 Participants loved the interactive task and created thoughtful layouts that balanced independence and connection.
Validated my vision of empathetic design—balancing independence and connection through touch and memory.

vertical zoning



intergenerational living



Around one-third of older adults in the UK, aged 50 years or older, report experiencing loneliness, which is a significant risk factor for depression (The Lancet Psychiatry, 2020)



Over the last 50 years we have ended up with an apartheid between young and old," says Guy Robertson, a former Department of Health policy advisor on ageing in Great Britain, in an interview with The Telegraph.



The most isolated age group in the society is young adults 18–34 years old, according to an American report (Gentile, 2017). The report shows that this group has the least contact with other generations. A large portion of these are students, who spend most of their time in a locked environment.

top view

OUTSIDE ACTIVITY SPACE
An open area for group activities, exercise, or just hanging out.

SHARED AMENITIES ON TOP FLOOR
Communal spaces for everyone to gather, relax, or work together.

LIVABLE STAIRCASE
A wide, inviting staircase with spots to sit, pause, and connect with others.

VIEWPOINT
A lookout spot with big windows for enjoying the view and taking a break.

PRIVATE GARDEN
A tucked-away green space for quiet moments and personal retreat.

OUTSIDE PASSWAY
An outdoor walkway connecting spaces and letting in fresh air and light.

CAFE
The social hub of the building, perfect for grabbing coffee or meeting friends.

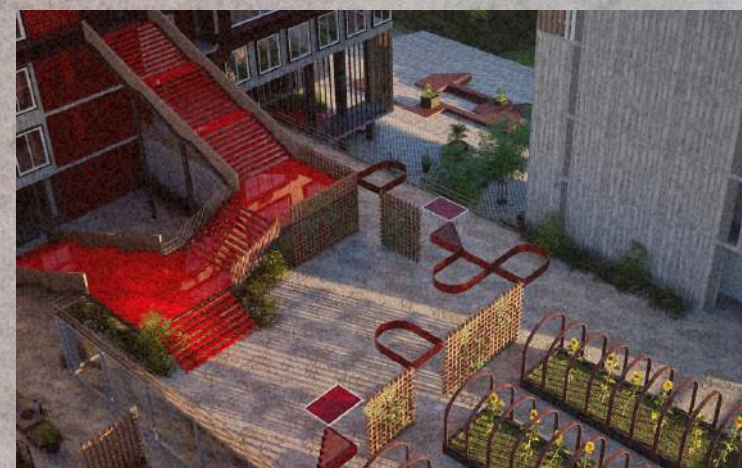
OPEN GREEN ROOFTOP
A rooftop garden for relaxing, enjoying nature, or socializing above the city.



Shared amenities on top floor
Private gardens
Cafe



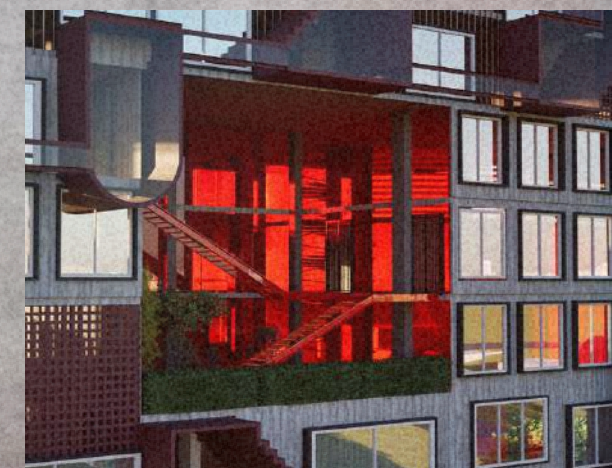
Livable staircase



Outside Passway



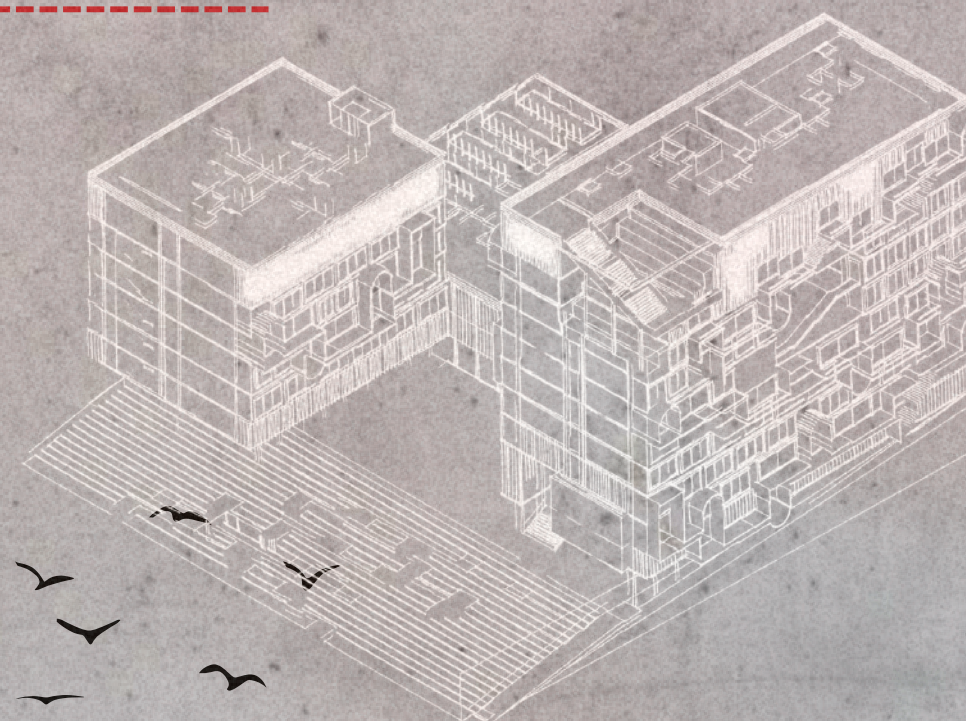
Circulation Staircase



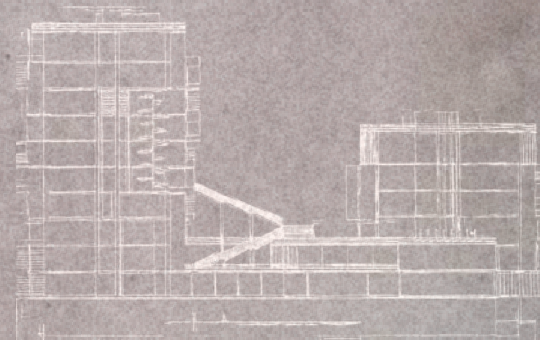
Circulation Staircase

exterior

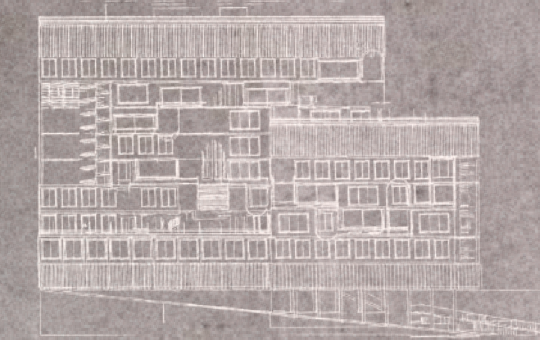
"this project is not just a housing solution, it offers a vision for how we can live better, together, across ages and experiences"



isometric view



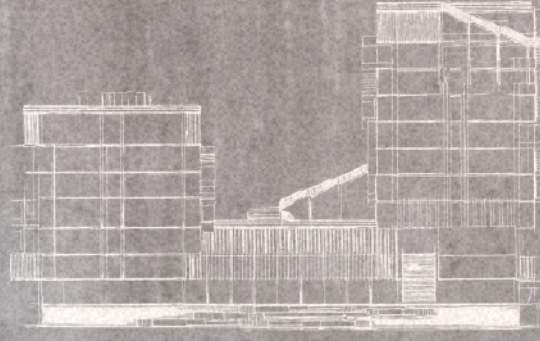
west elevation



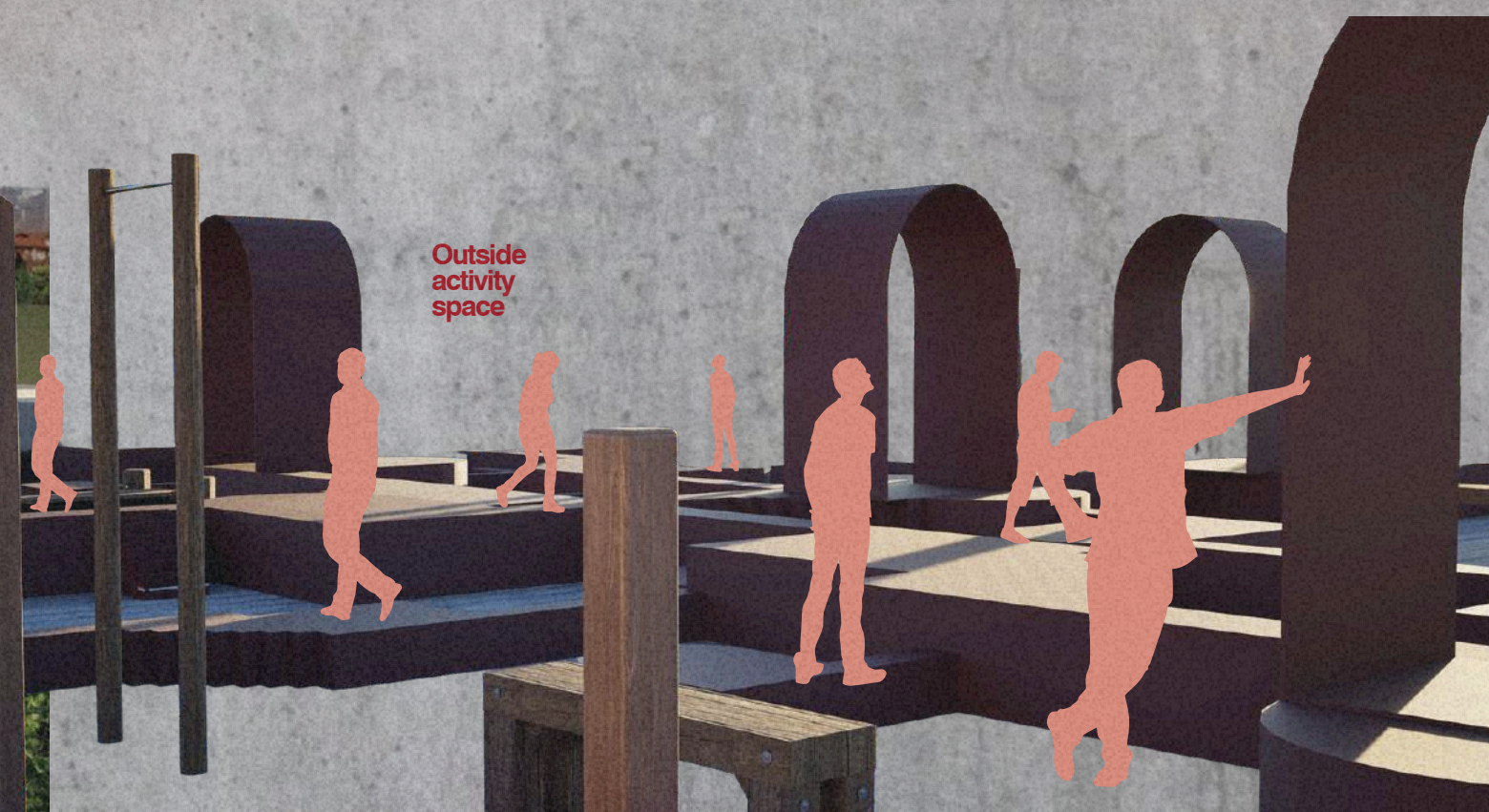
south elevation



east elevation



north elevation



Outside activity space

10 floors

6 floors

2 floors

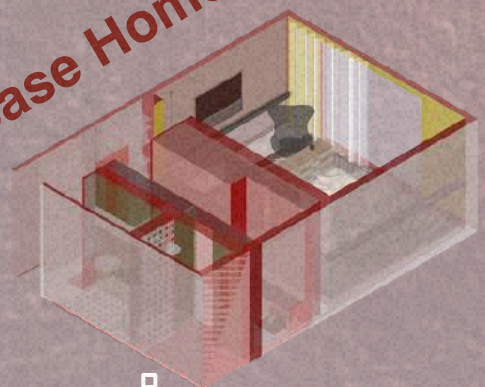
Corridors, once empty spaces, are redesigned as character-filled social hubs, each themed after the building's former educational departments. These spaces become informal arenas for learning, play, reflection, and movement, echoing the building's academic history while creating new patterns of interaction.

Room types

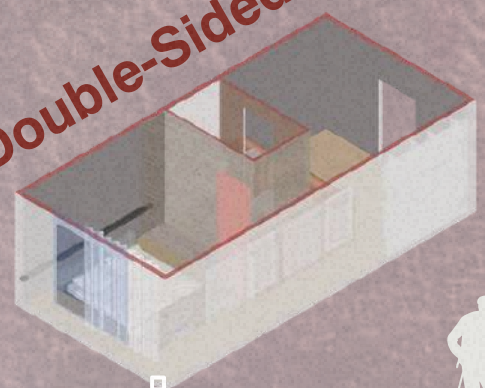
4. Row House



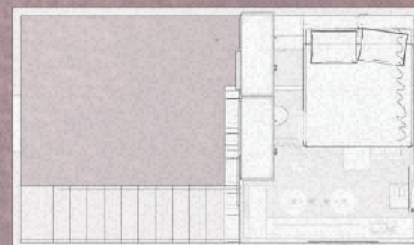
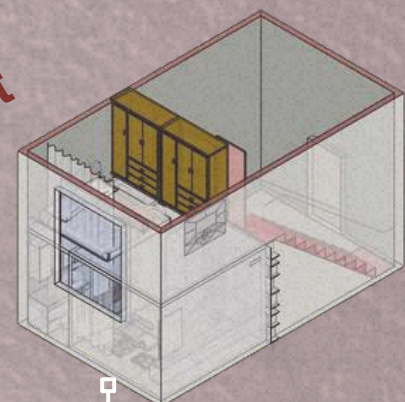
3. Base Home



2. Double-Sided+



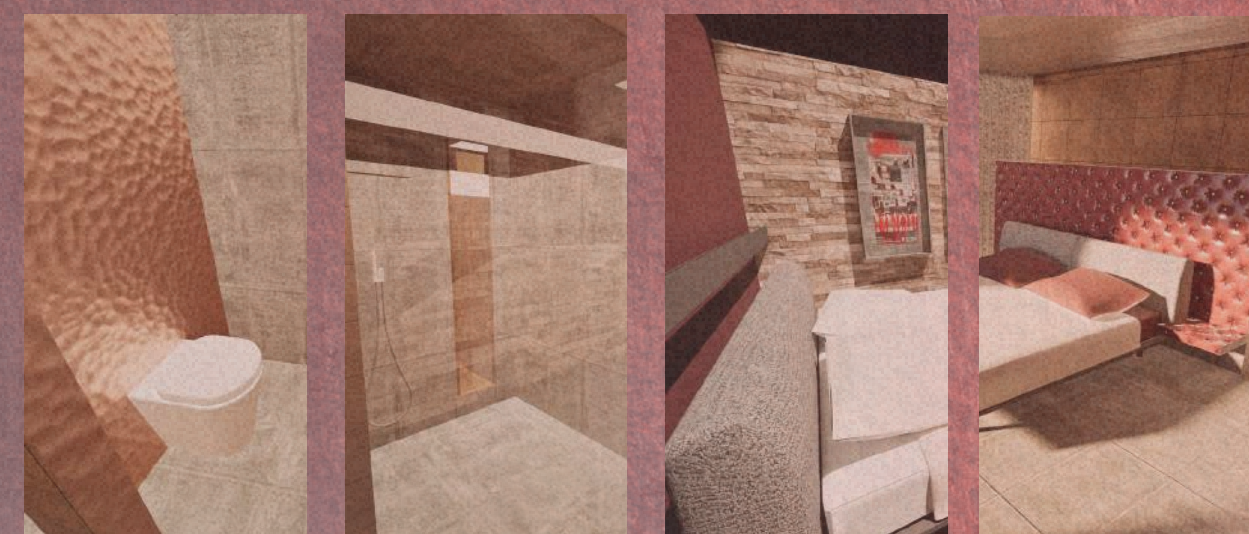
1. Loft



The "Row House "



The "Base Home "



The "Loft"

