

02 The Ideal Workspace

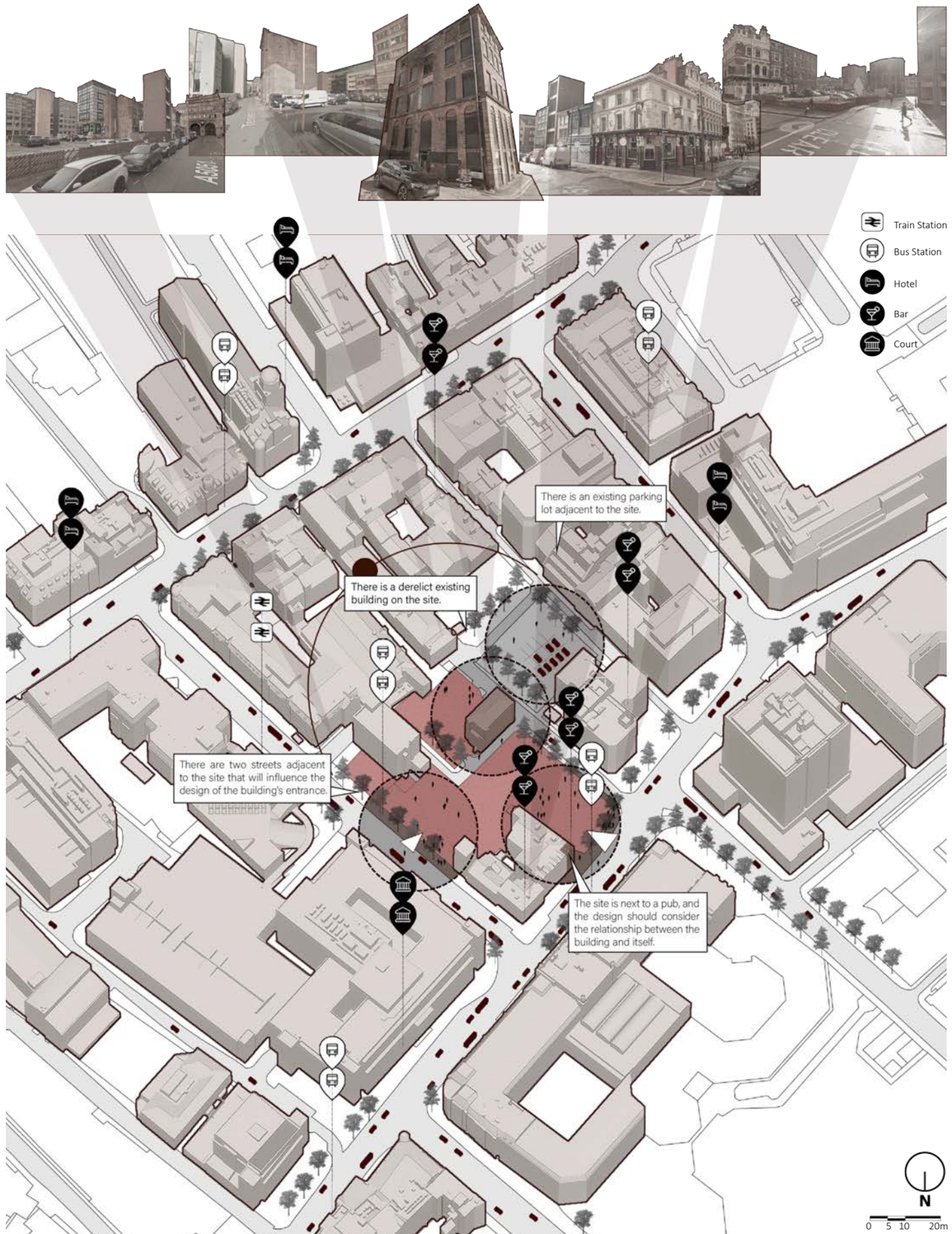
Studios for artists and small businesses

September—December, 2023
Liverpool, United Kingdom
Academic work, Individual work
Instructor: Torsten Schmiedeknecht

This project repurposes an abandoned building on the site, focusing on functional requirements and privacy divisions to create an artist office building that balances personal needs with public engagement. The design utilizes materials that respond to the site and natural environment, achieving a balance between energy efficiency and comfort. It is more than just a workspace—this building fosters collaboration, sparks creativity, and offers an immersive atmospheric experience for its users.

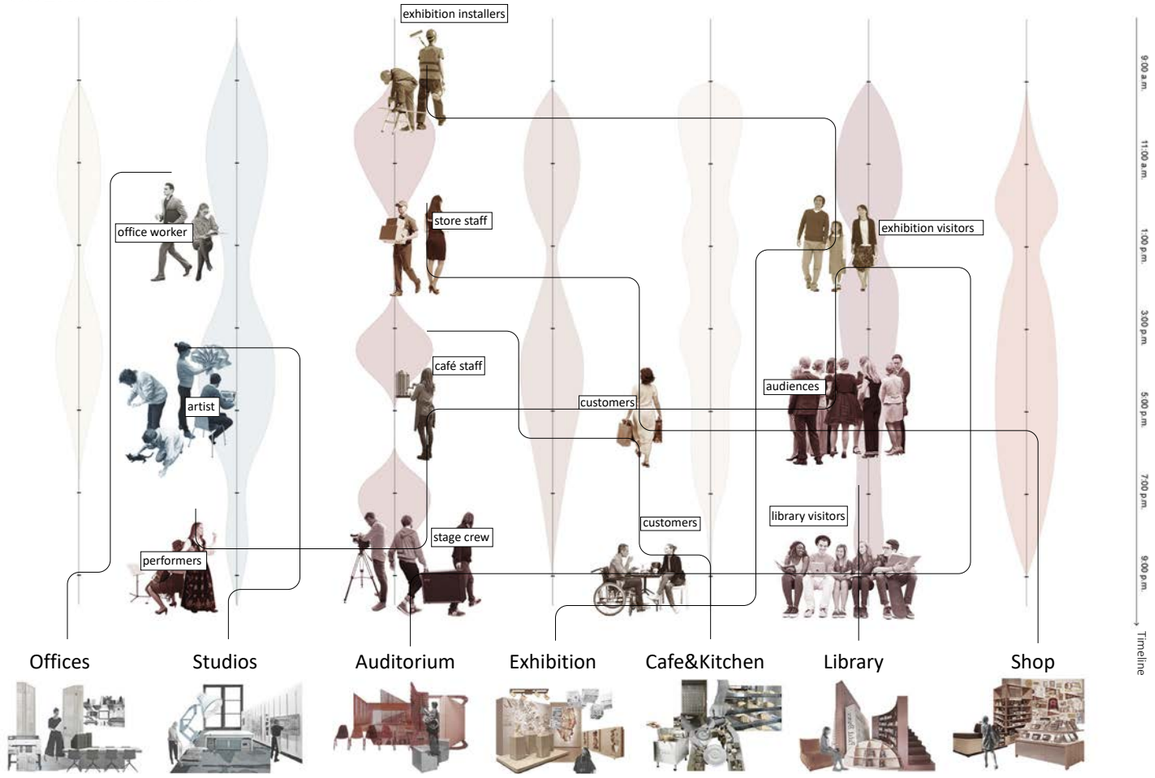
Intended to harmonize **function**, **form**, **material**, and **atmosphere**, to create an architectural expression that resonates with both the environment and its users.

SITE ANALYSIS



As architecture students, we are all well aware of the importance of an ideal **workspace**. Especially during the Covid pandemic, many people are often faced with the challenge of managing work, rest, and socializing in the same room, a limitation that not only affects productivity but can also exacerbate emotional isolation. For those in the **creative industries**, it is particularly **important to have a meeting of inspirations, an exchange of ideas, and the opportunity to show their work to others on a regular basis**. Therefore, the goal of this project is to design **a building that provides studios for artists and small businesses, creating a shared space that not only inspires creativity but also fosters community interaction**.
The site is located between Tithebarn Street, Moorefields, and Hackins Hey in **Liverpool, England**.

USERS ANALYSIS

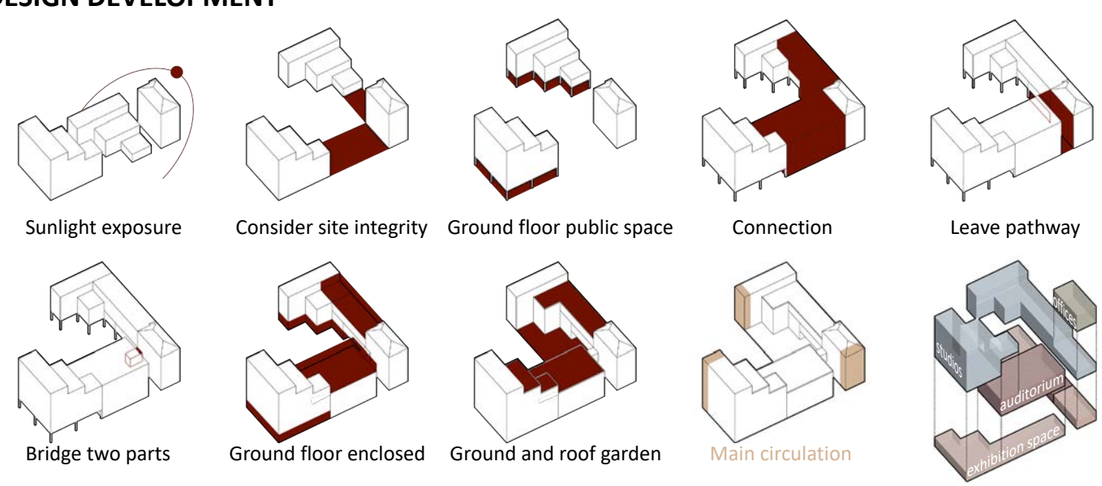


MASSING OPTIONS



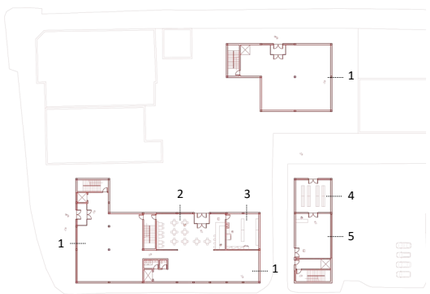
Option 1: closed courtyard | Option 2: public ground floor | Option 3: semi-public courtyard | Option 4: expand in site

DESIGN DEVELOPMENT



PLANS





Ground Floor



Second floor



Third floor



Fourth floor



Fifth floor



Roof plan

INTERIOR PERSPECTIVE 1 — Auditorium



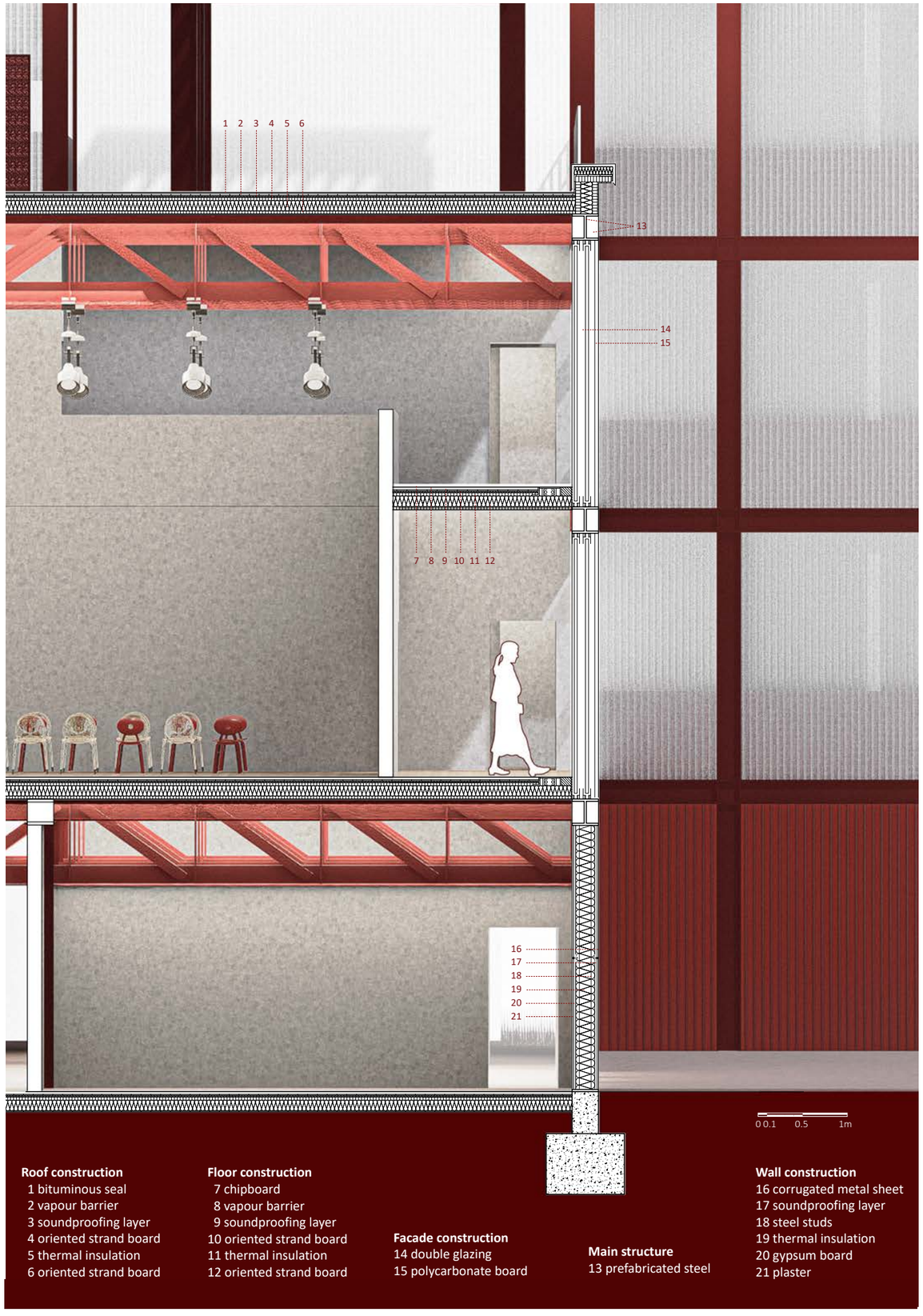
INTERIOR PERSPECTIVE 2 — Studio



SECTION PERSPECTIVE A-A'



CONSTRUCTION DETAILS



Roof construction
1 bituminous seal
2 vapour barrier
3 soundproofing layer
4 oriented strand board
5 thermal insulation
6 oriented strand board

Floor construction
7 chipboard
8 vapour barrier
9 soundproofing layer
10 oriented strand board
11 thermal insulation
12 oriented strand board

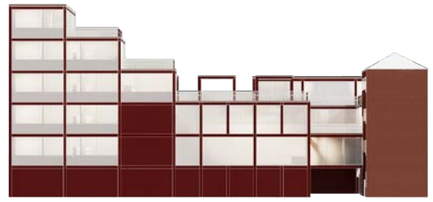
Facade construction
14 double glazing
15 polycarbonate board

Main structure
13 prefabricated steel

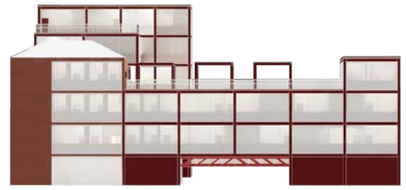
Wall construction
16 corrugated metal sheet
17 soundproofing layer
18 steel studs
19 thermal insulation
20 gypsum board
21 plaster

FACADE STRATEGY

Install polycarbonate boards on the sides exposed to direct sunlight to reduce glare.



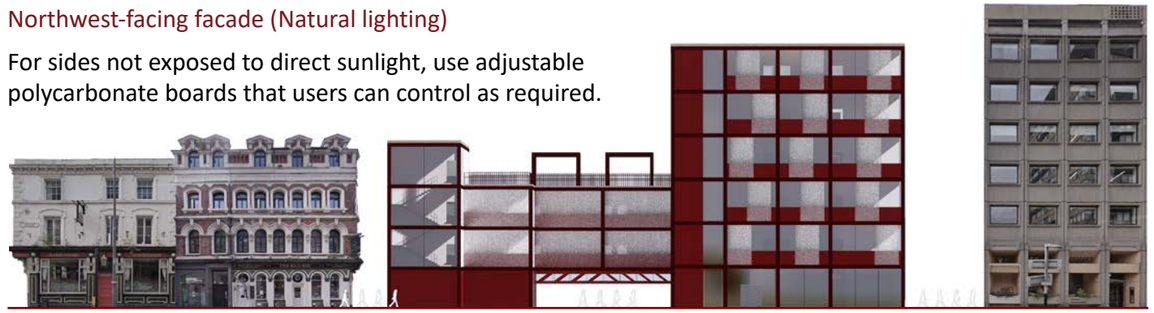
Southwest-facing facade (Artificial lighting)



Southeast-facing facade (Artificial lighting)

Northwest-facing facade (Natural lighting)

For sides not exposed to direct sunlight, use adjustable polycarbonate boards that users can control as required.



COURTYARD HUMAN PERSPECTIVE

