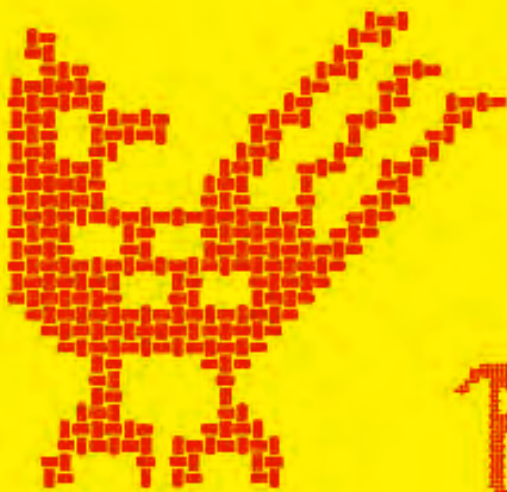
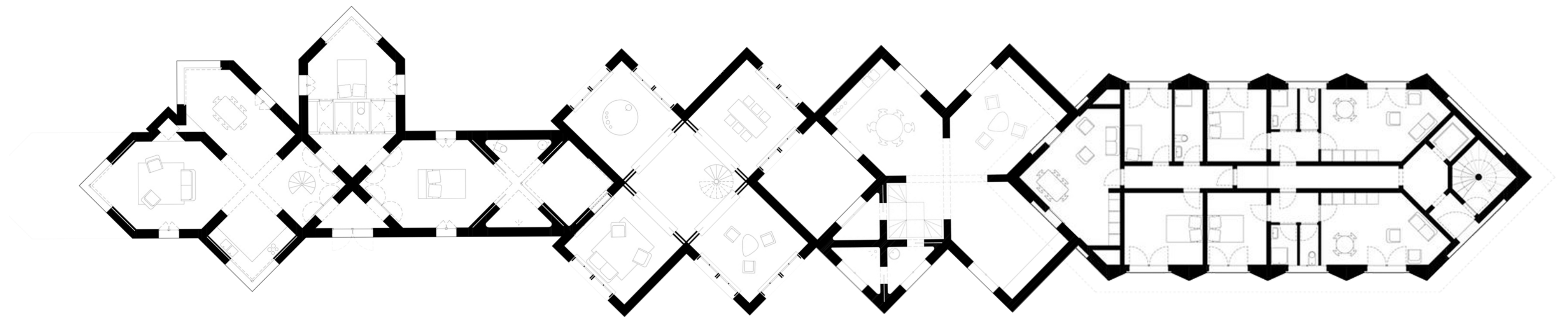


EAST BONKERSHIRE

DOVER | KENT



Embroidered Art Work by Rufina Bazlova



Collage Countryside
COLLAGE 2

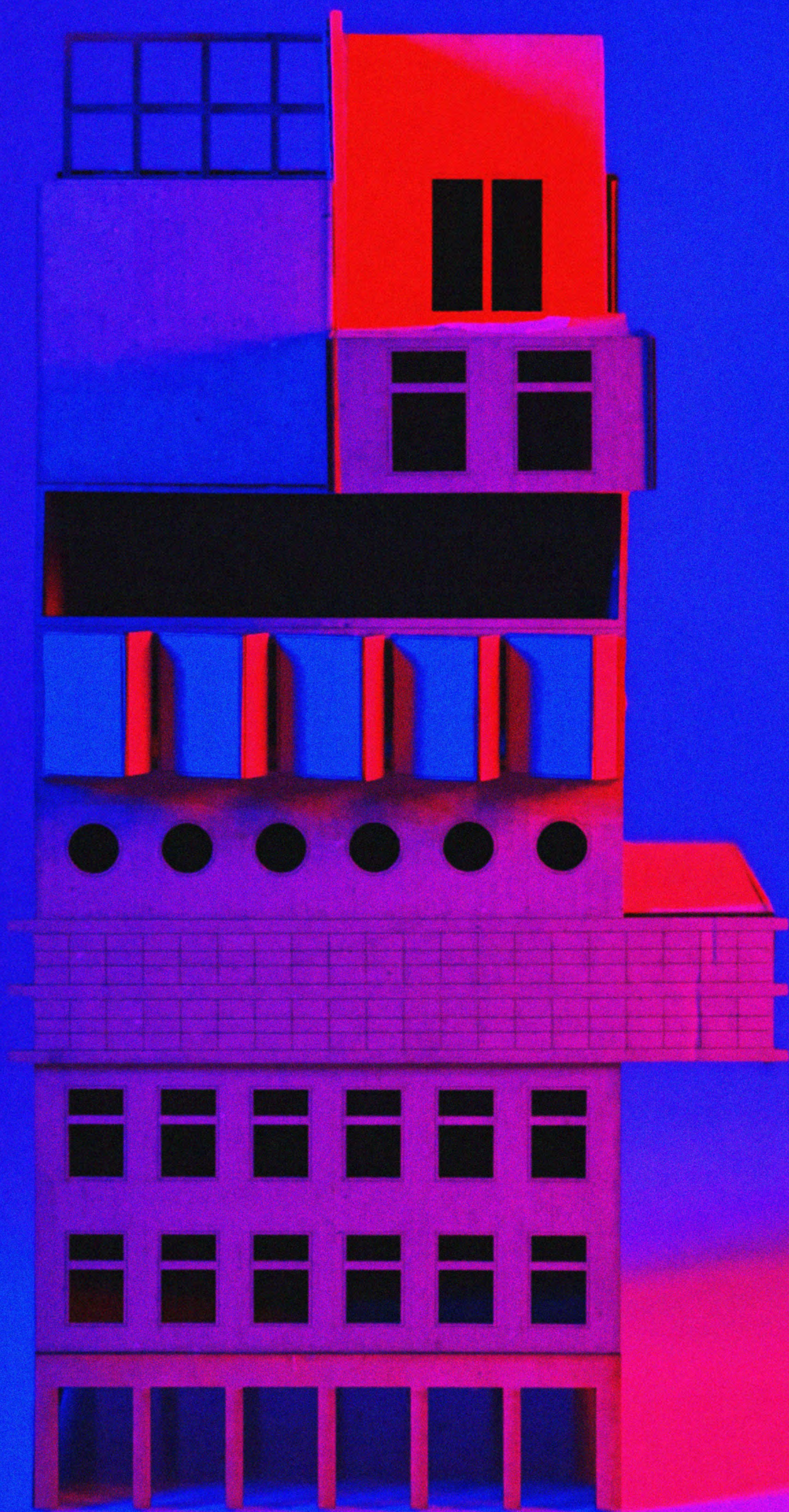


MashUp
COLLAGE 1

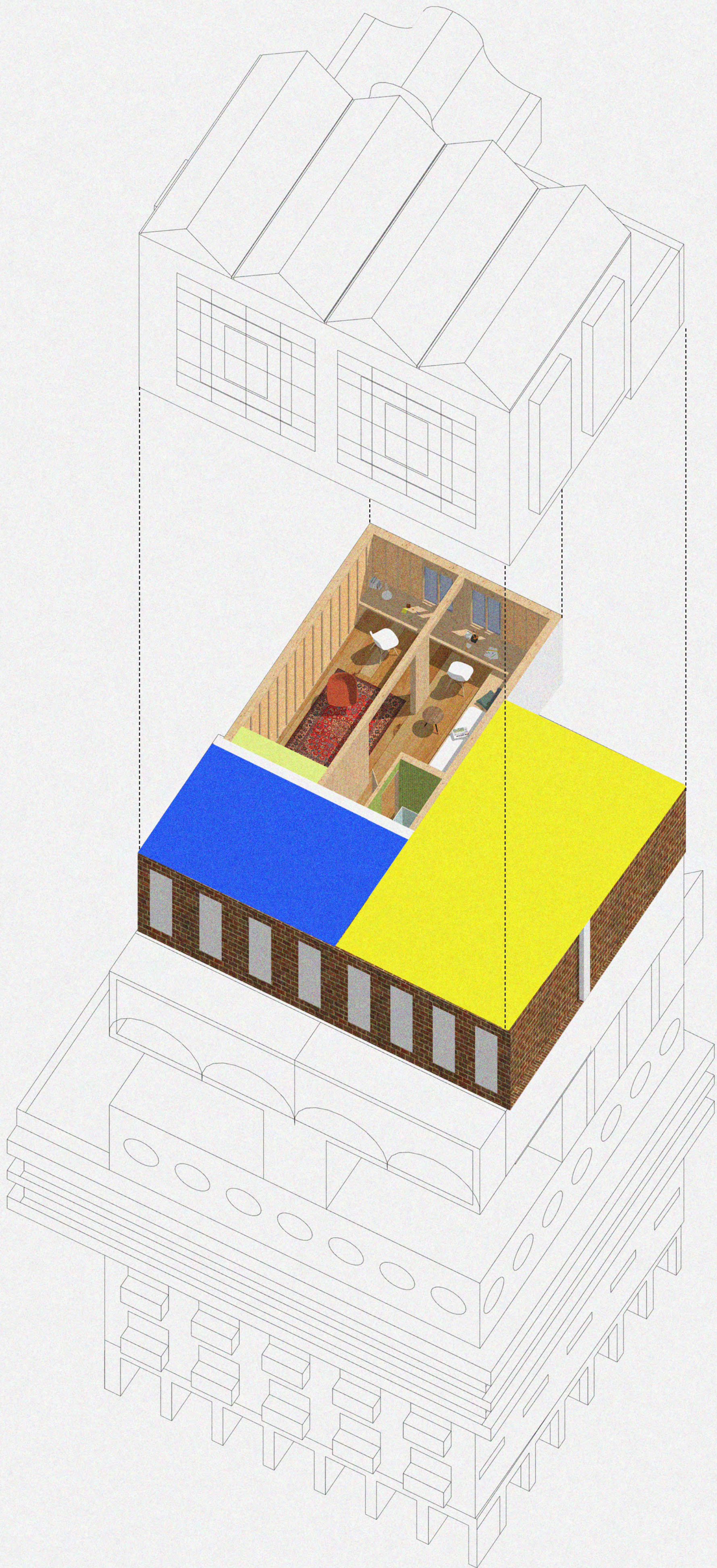


MashUp
COLLAGE 2



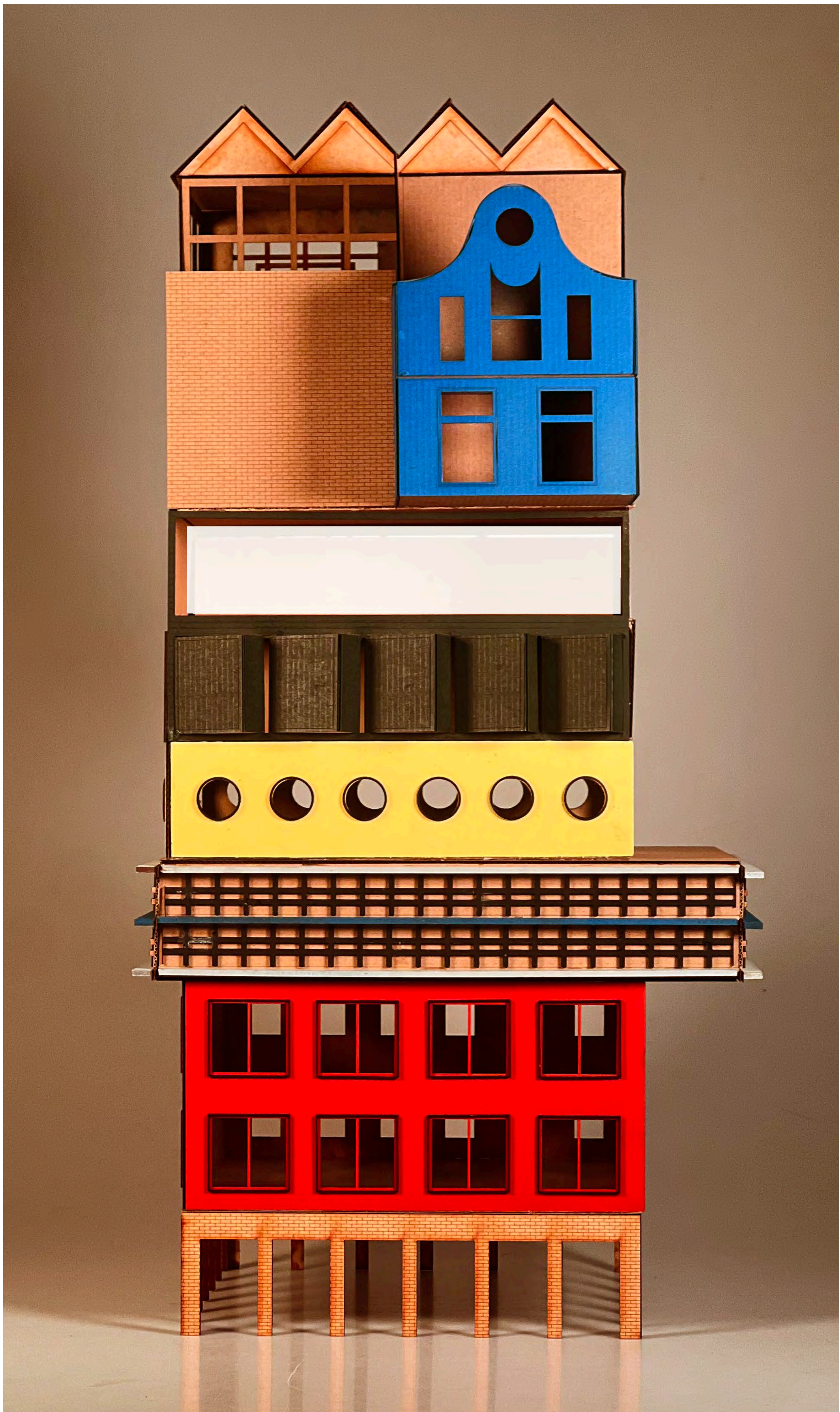


Model Photographs
1:100 MODEL

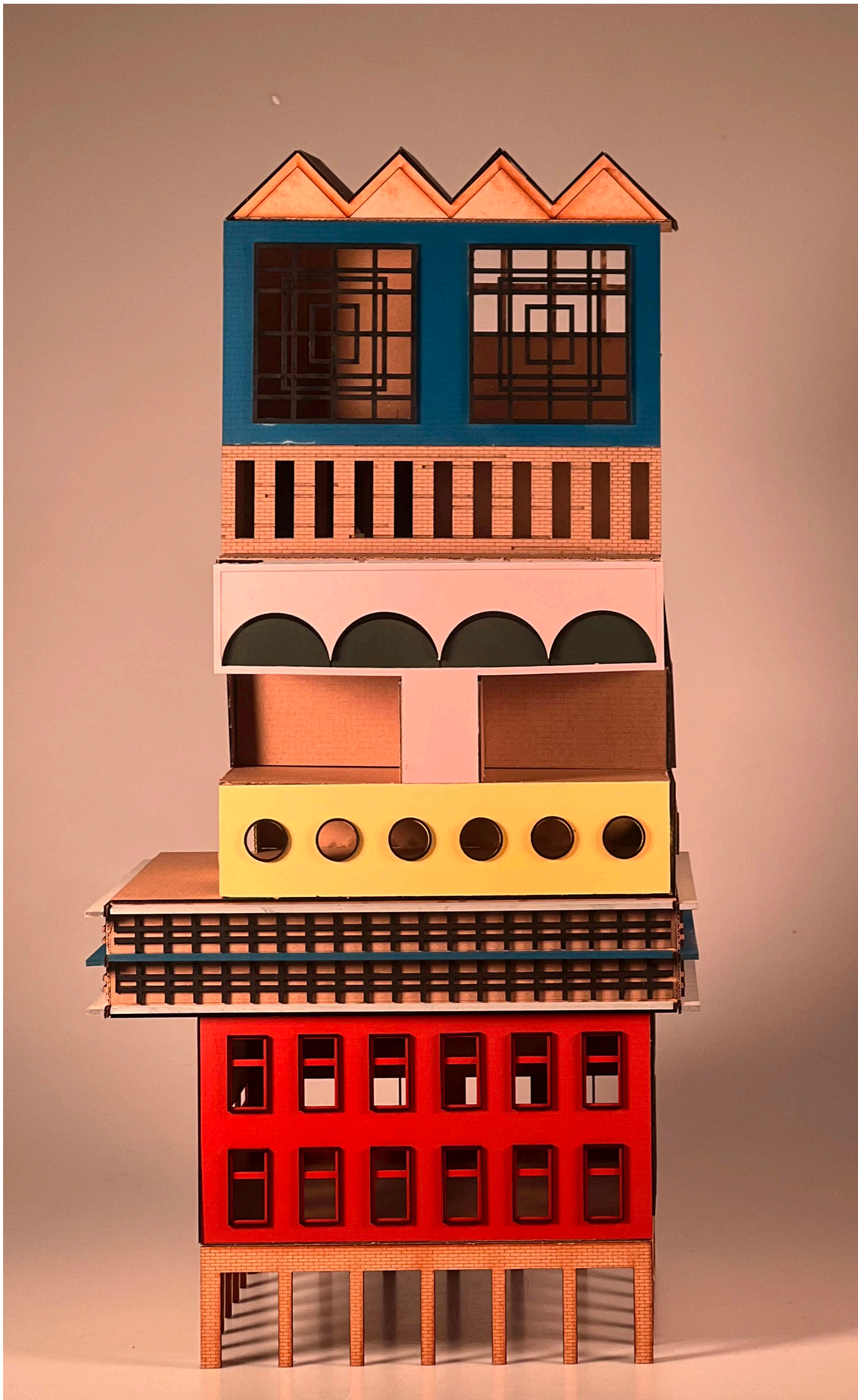


INDEPENDENT UNIT 2
COMMON AMMENITIES /
SERVICE CORE

Drawing Of Model
INDEPENDENT UNIT WITH SHARED AMMENITIES



Model Photographs
1:50 MODEL



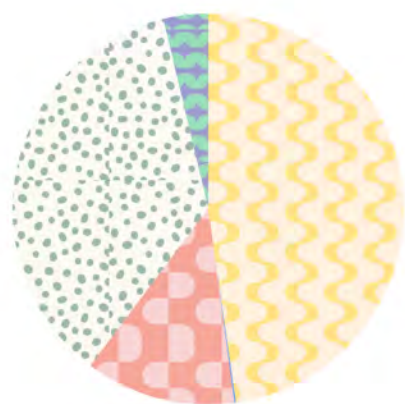
Model Photographs
1:50 MODEL



0 to 15
16 to 34
35 to 64
65 plus



Unshared dwellings



Owned
Rent free
Socially rented
Privately rented



Students
Retired
Home or Family
Sick / Disabled
Other

Hidden Households
Addressing unrecognized living situations in the community



Studio Units
Providing compact living spaces for individuals or couples



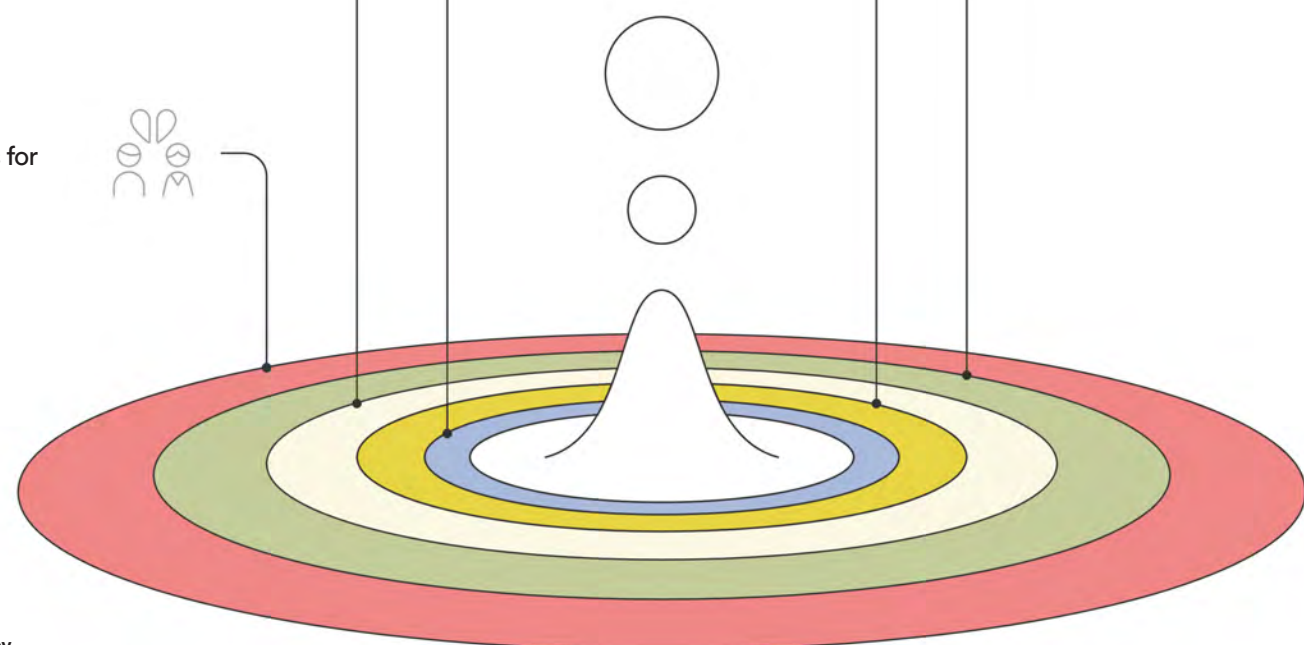
Youth Opportunities
Creating programs and jobs for young people



Shared Dwellings
Promoting communal living arrangements to optimize space and increase affordability



Improving Local Economy
Enhancing economic activity and job opportunities



Society Demographics © Ordnance Survey

The development addresses the “Hidden Households” phenomenon in the Kent Downs, where young adults remain in their parents’ homes due to a lack of affordable housing and economic opportunities. This demographic stagnation limits their independence and hinders local economic growth. The project proposes a sustainable, community-focused mass housing development designed to provide affordable housing options and foster community engagement, aiming to retain the younger population and future-proof the local economy.

Key Objectives

Affordable Housing

Develop shared living and studio housing tailored to younger demographics, ensuring affordability and accessibility.

Community Spaces

Design communal structures such as co-working hubs, recreation areas, and shared gardens to promote interaction and local engagement.

Economic Integration

Provide spaces that connect residents to the local economy, like communal grounds, creative hubs, and parks.

Sustainability

Use eco-friendly materials and energy efficient design to maintain harmony with the Kent Downs’ natural landscape.

Site Context

Located in the Kent Downs Area of Outstanding Natural Beauty, the site is characterized by limited rental opportunities, a dominant owner-occupied housing market, and a younger population struggling to afford independent living. This development will fill a critical gap in housing, providing an alternative to migration to urban centers.

Approach

The design approach would ideally combine sustainable architecture, community integration, and contextual sensitivity -

Housing Typology

A blend of shared apartments, co-living spaces, and studios with modular and flexible layouts tailored to younger occupants’ needs.

Communal Structures

Multi-purpose spaces such as community halls, makerspaces, and youth activity centers designed to align with local lifestyles and cultural identity.

Sustainability

Low-impact materials, renewable energy integration, and green infrastructure to ensure ecological harmony with the Kent Downs’ natural setting.

Design

Architectural language and landscaping is inspired by demographic needs and follows the principle of showing the ‘New’ as ‘New’ rather than a surreal attempt to confuse what is really ‘Old and what is made to ‘look Old’. This challenges the more conventional approach that often references the area’s vernacular architecture.

Expected Outcomes

Enable younger residents to establish independence through affordable housing solutions.

Strengthen the community fabric by fostering connections and economic participation.

Revitalize the Kent Downs by retaining a younger population, ensuring a balanced and sustainable demographic structure.

Typologies proposed:

4-Bed Unit + 2-Bed Unit + Studio Unit

Housing Attained:

20 4-Bed Units

21 2-Bed Units

21 Studio Units



Scale 1:10000

LOCATION PLAN
WIDER AERIAL MAP OF EAST LANGDON

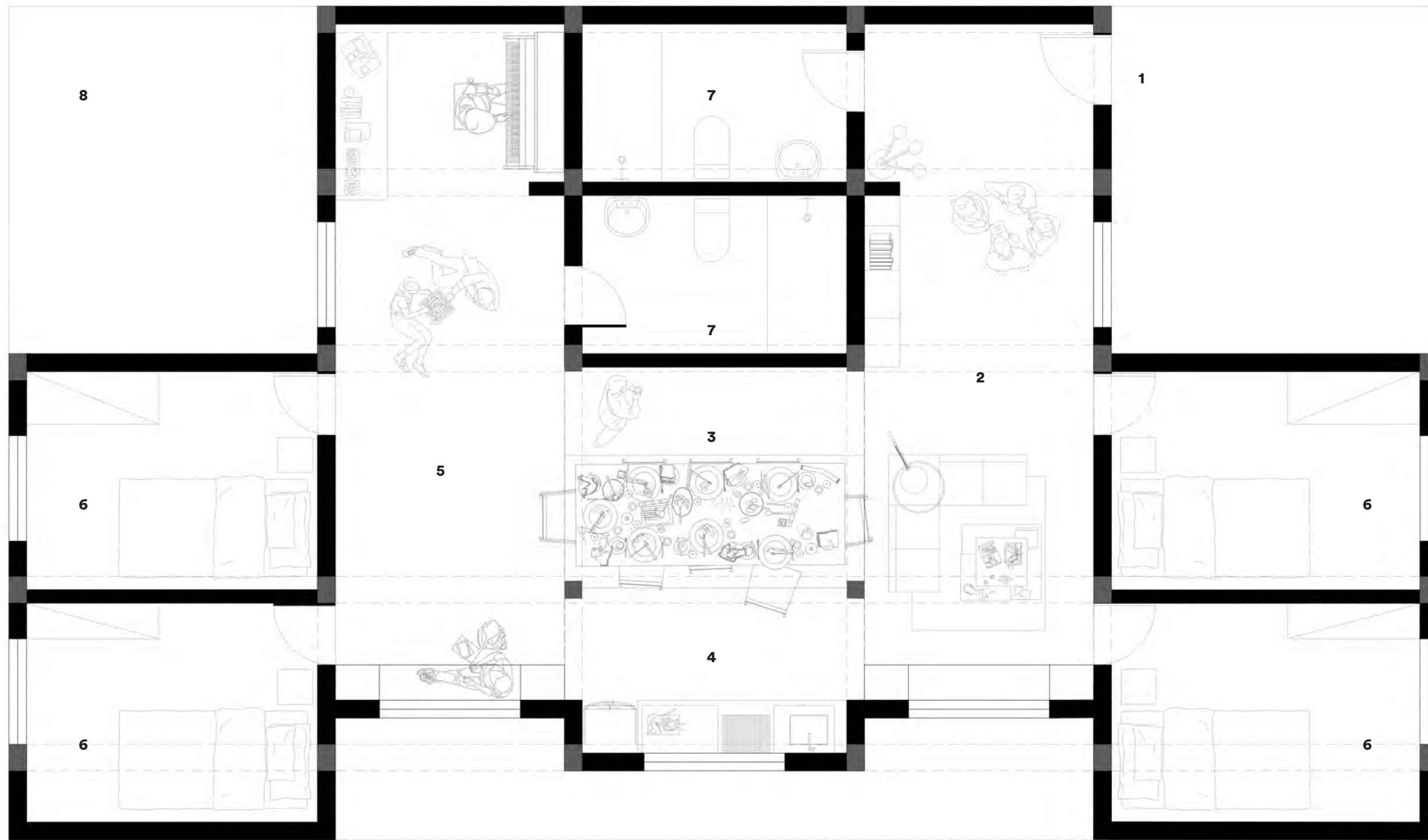


WIDER AERIAL CONTEXT
EAST LANGDON



SITE PLAN
AXONOMETRIC VIEW OF SITE PROPOSAL

SCALE | 1:1500



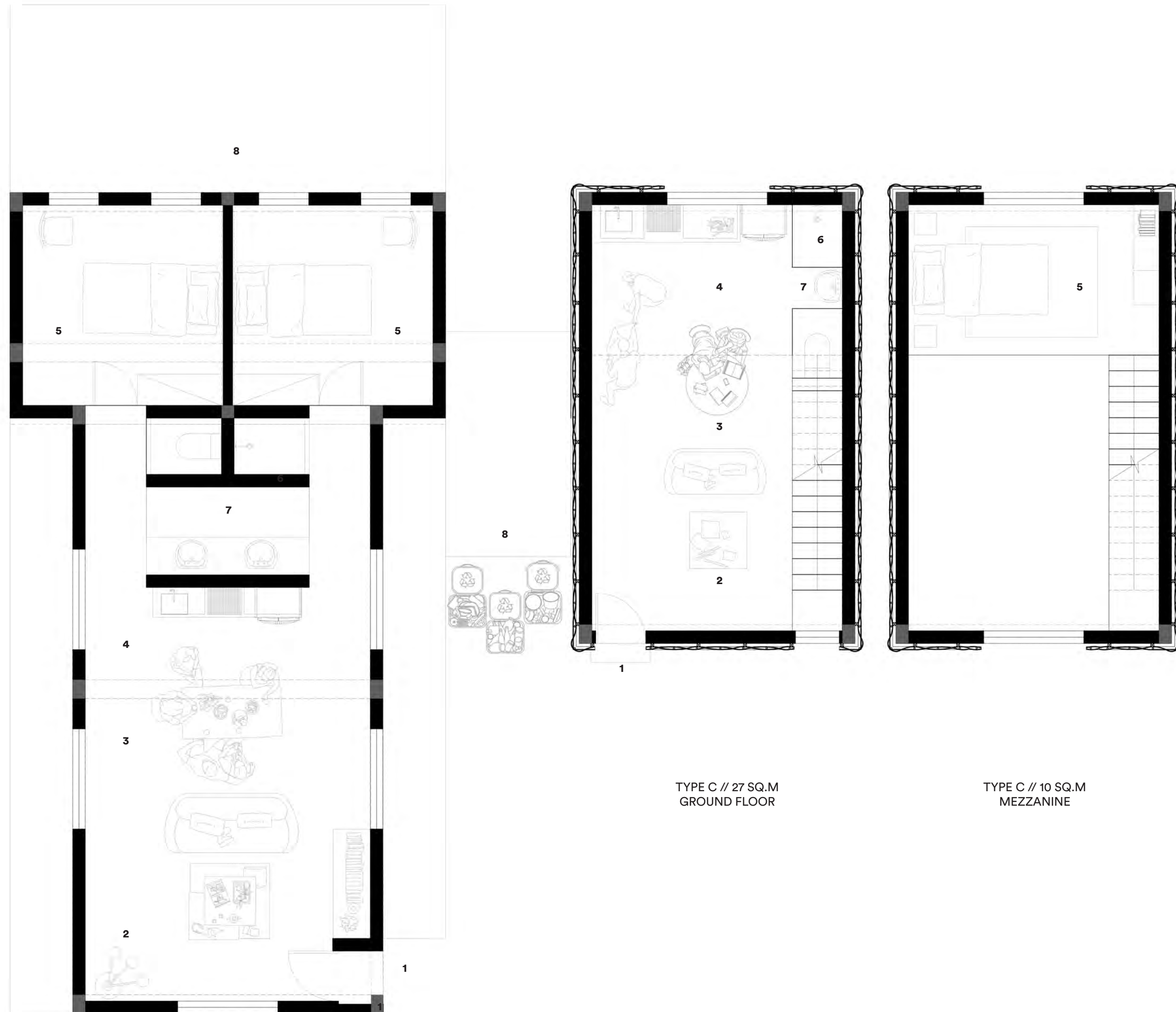
TYPE A // 104 SQ.M
GROUND FLOOR

TYPE A // FOUR-BED HOUSE FLOOR PLANS

- 1 MAIN ENTRY
- 2 LIVING
- 3 DINING
- 4 KITCHEN
- 5 BREAKOUT SPACE
- 6 BEDROOM
- 7 BATHROOM
- 8 GARDEN



SCALE | 1:50



- 1 MAIN ENTRY
- 2 LIVING
- 3 DINING
- 4 KITCHEN
- 5 BEDROOM
- 6 BATHROOM
- 7 WASH
- 8 GARDEN

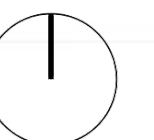
TYPE B // 64 SQ.M
GROUND FLOOR

TYPE C // 27 SQ.M
GROUND FLOOR

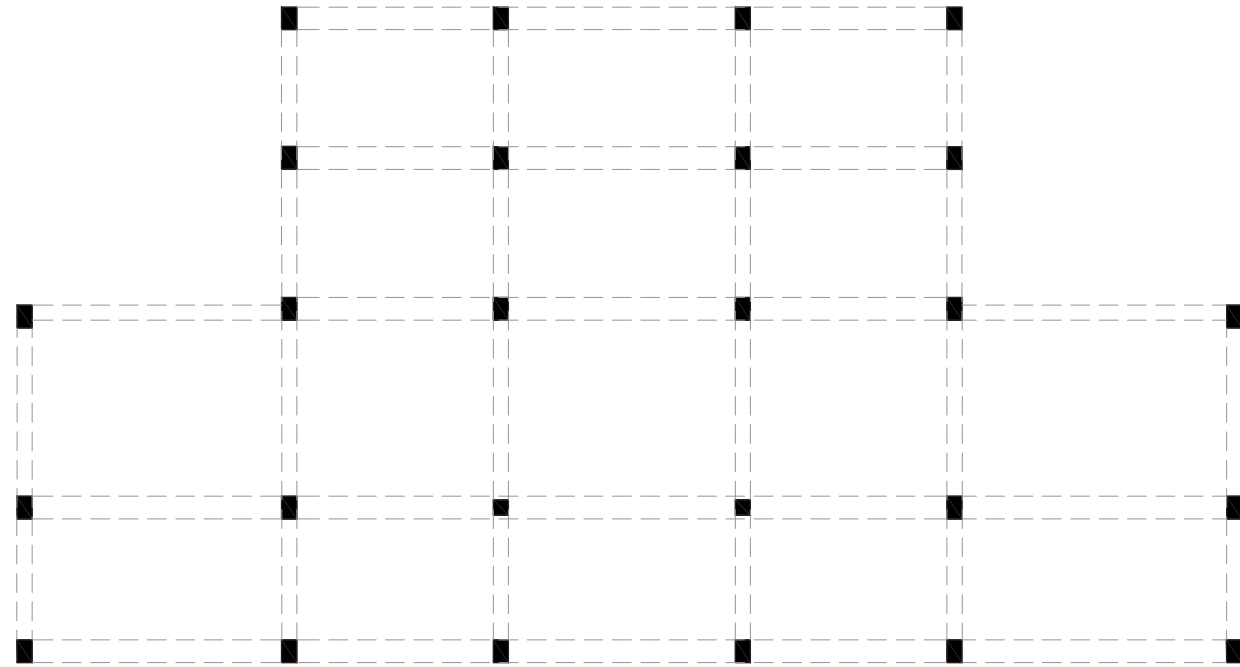
TYPE C // 10 SQ.M
MEZZANINE

TYPE B + C // TWO-BED HOUSE + STUDIO

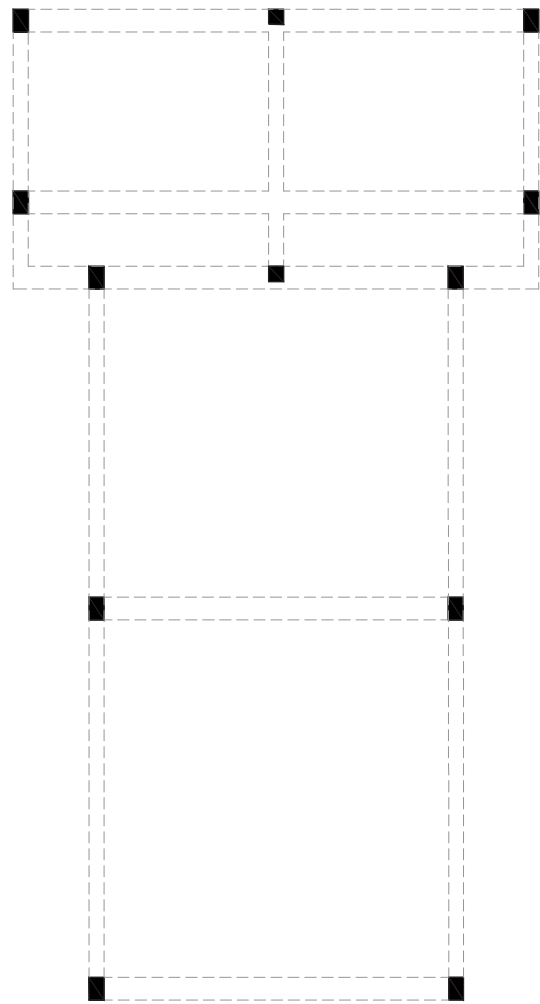
FLOOR PLANS



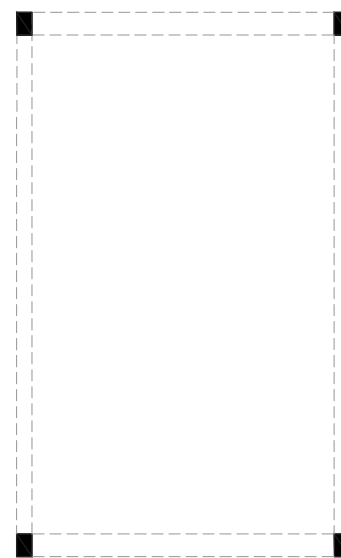
SCALE | 1:50



TYPE A // TIMBER FRAMEWORK STRUCTURE

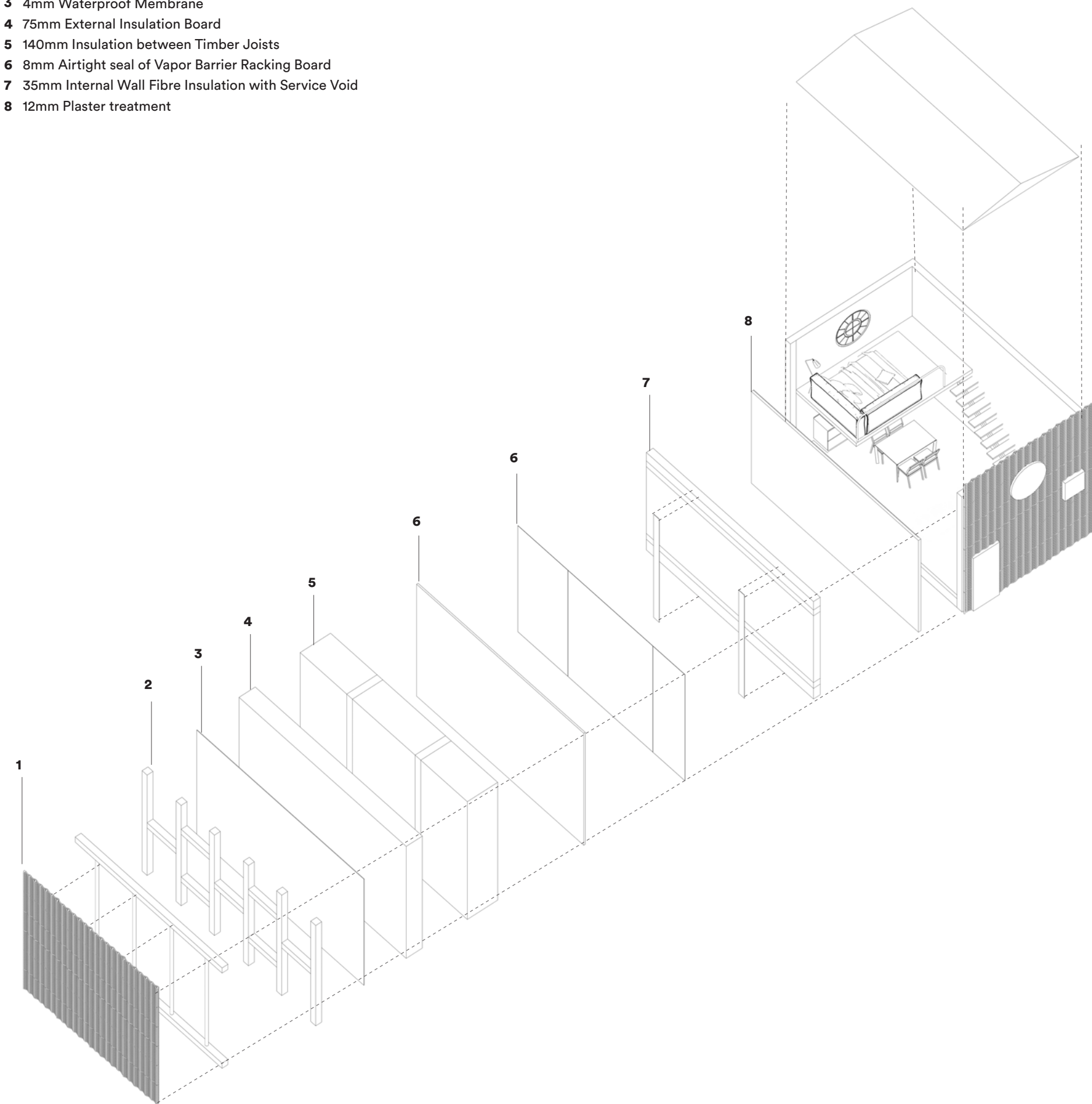


TYPE B // TIMBER FRAMEWORK STRUCTURE



TYPE C // TIMBER FRAMEWORK STRUCTURE

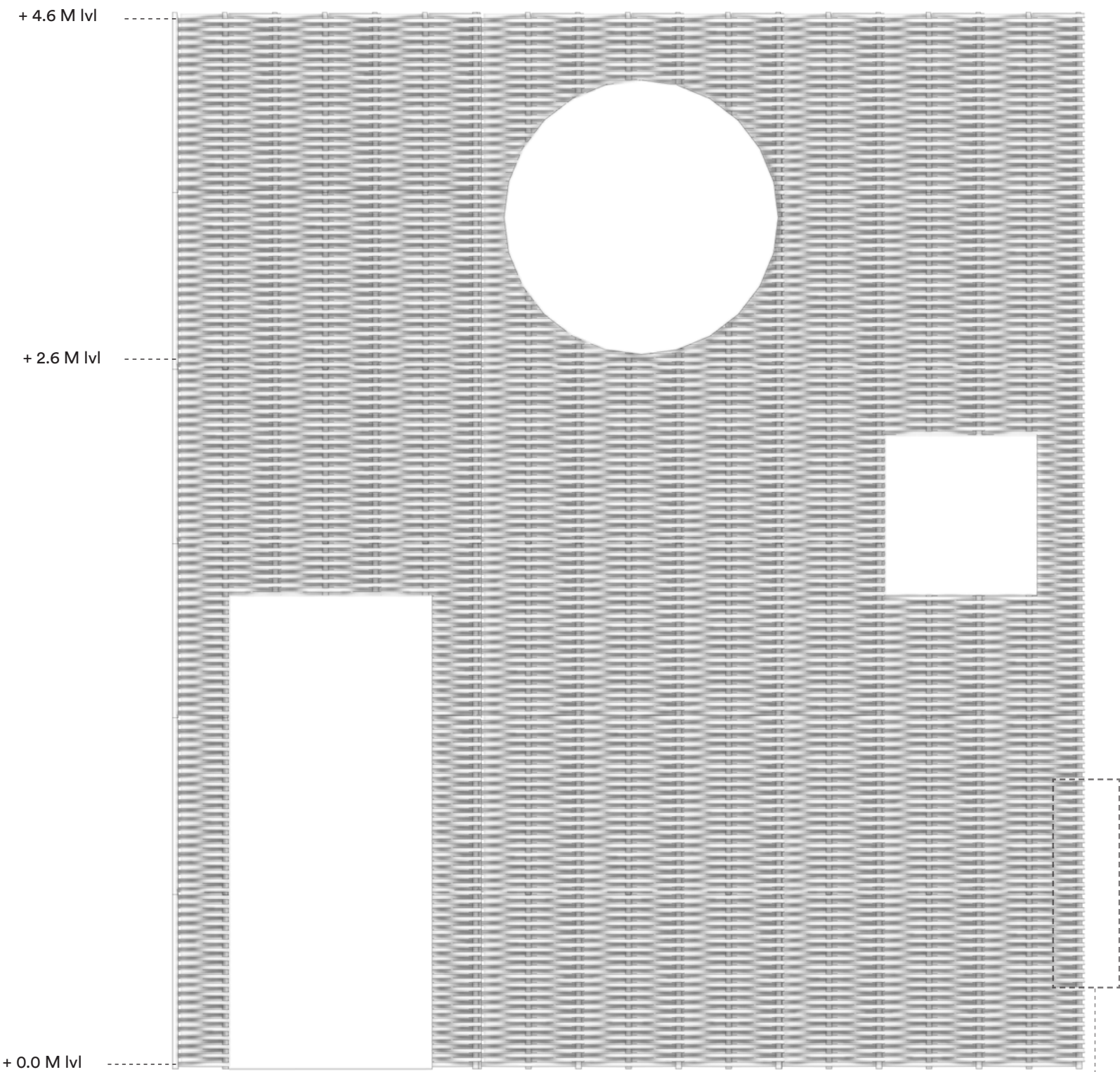
- 1 External Willow Skin woven on 50x50mm Timber frame
- 2 Supporting Ladder Frame
- 3 4mm Waterproof Membrane
- 4 75mm External Insulation Board
- 5 140mm Insulation between Timber Joists
- 6 8mm Airtight seal of Vapor Barrier Racking Board
- 7 35mm Internal Wall Fibre Insulation with Service Void
- 8 12mm Plaster treatment



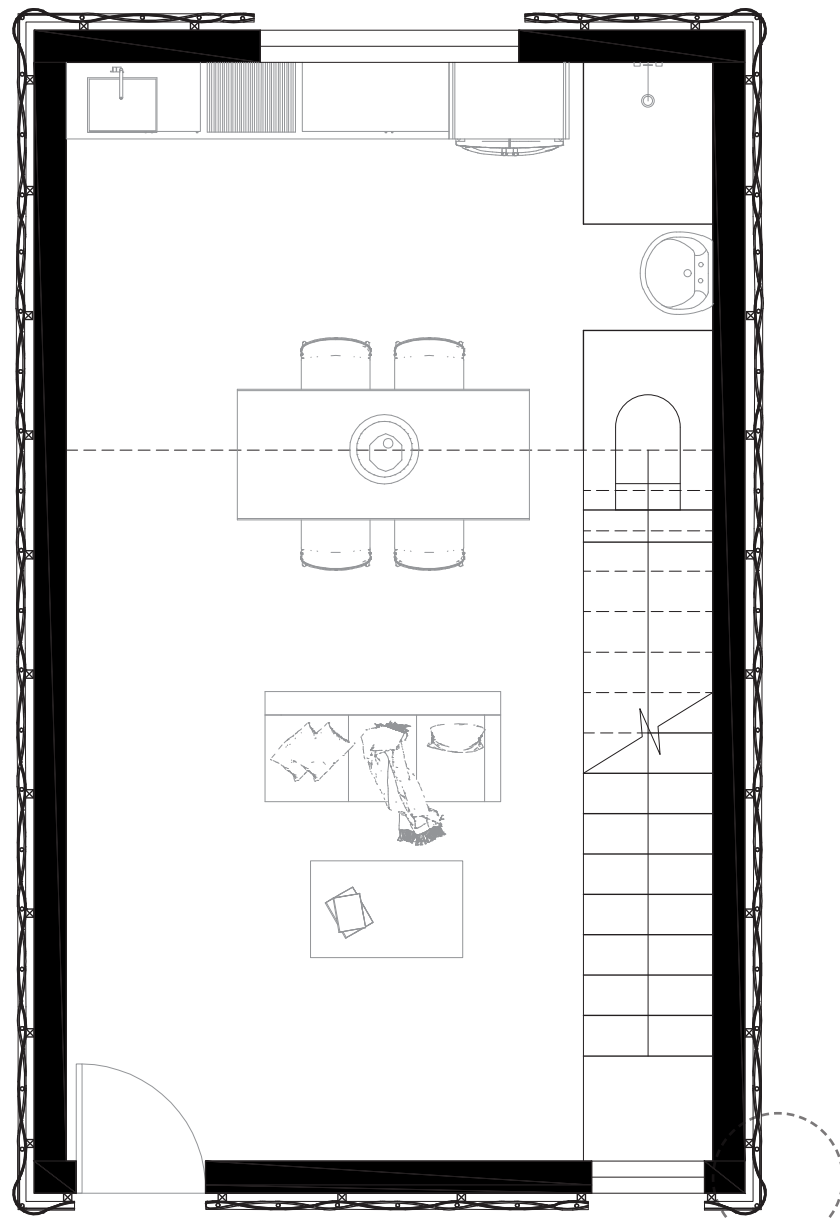
Axonometric Wall Construction for Type C - Studio Unit

TECHNICAL DETAILS

COLUMN-BEAM FRAMEWORK and TYPE CEXPLODED

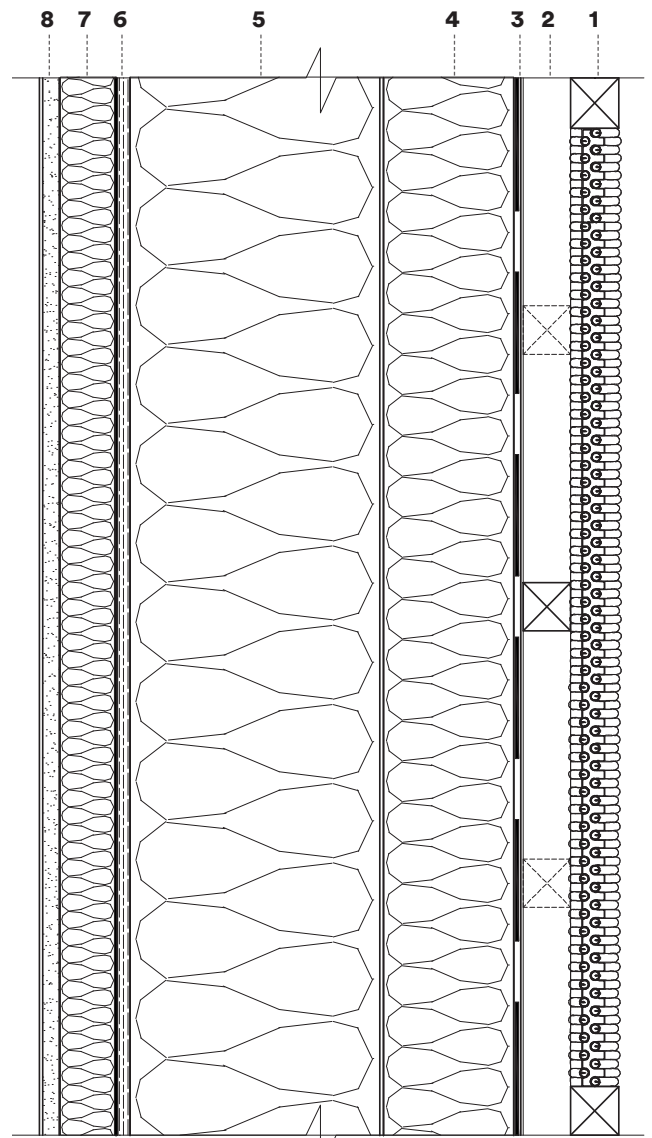


NORTH ELEVATION

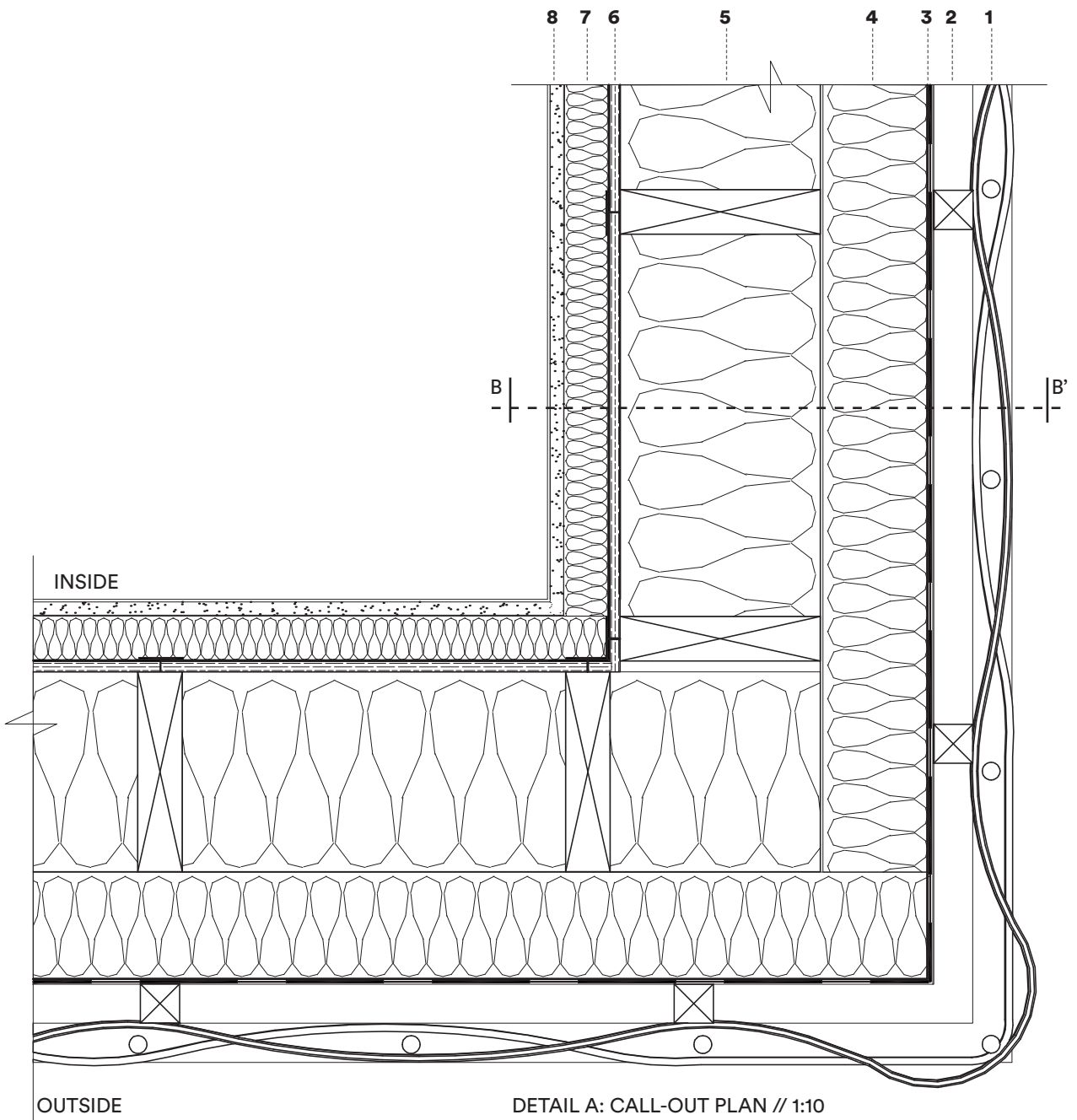


GROUND FLOOR PLAN

- 1 External Willow Skin
woven on 50x50mm Timber frame
- 2 Supporting Ladder Frame
- 3 4mm Waterproof Membrane
- 4 75mm External Insulation Board
- 5 140mm Insulation between Timber Joists
- 6 8mm Airtight seal of Vapor Barrier Racking Board
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- 8 12mm Plaster treatment



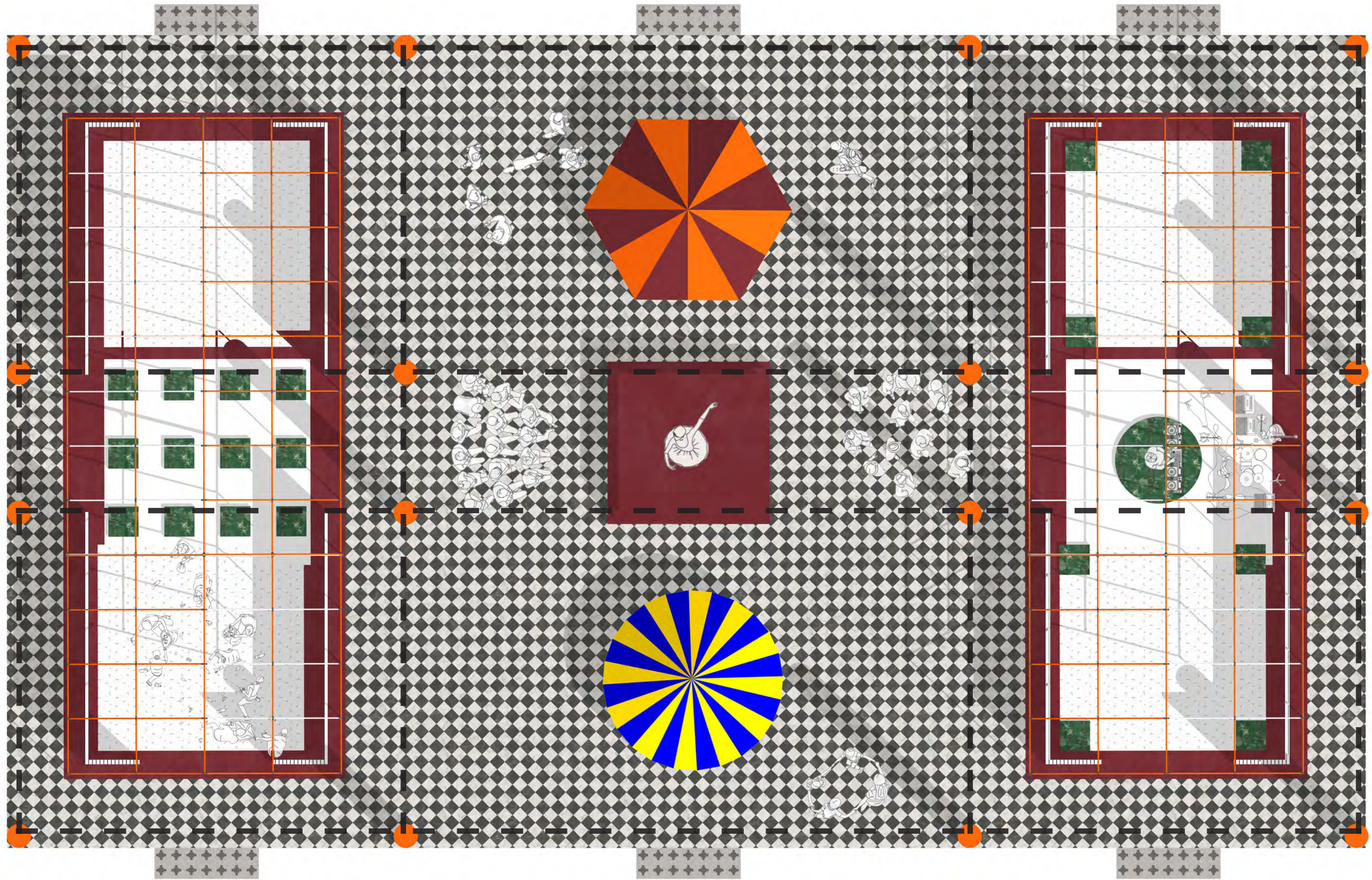
DETAIL A: SECTION B-B' // 1:10



DETAIL A: CALL-OUT PLAN // 1:10

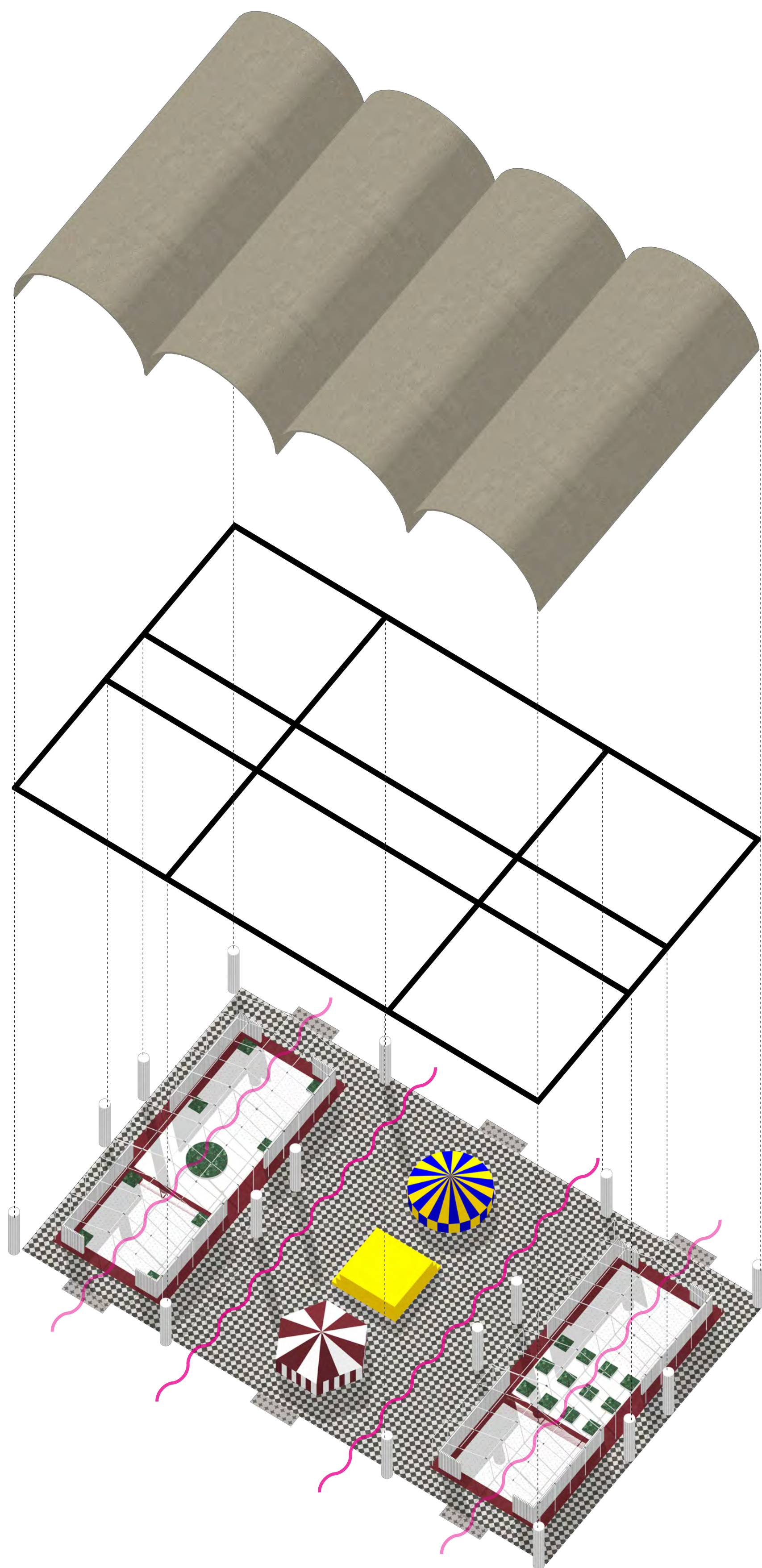
TECHNICAL DETAILS
TYPE C // WILLOW SKIN

SITE EXIT

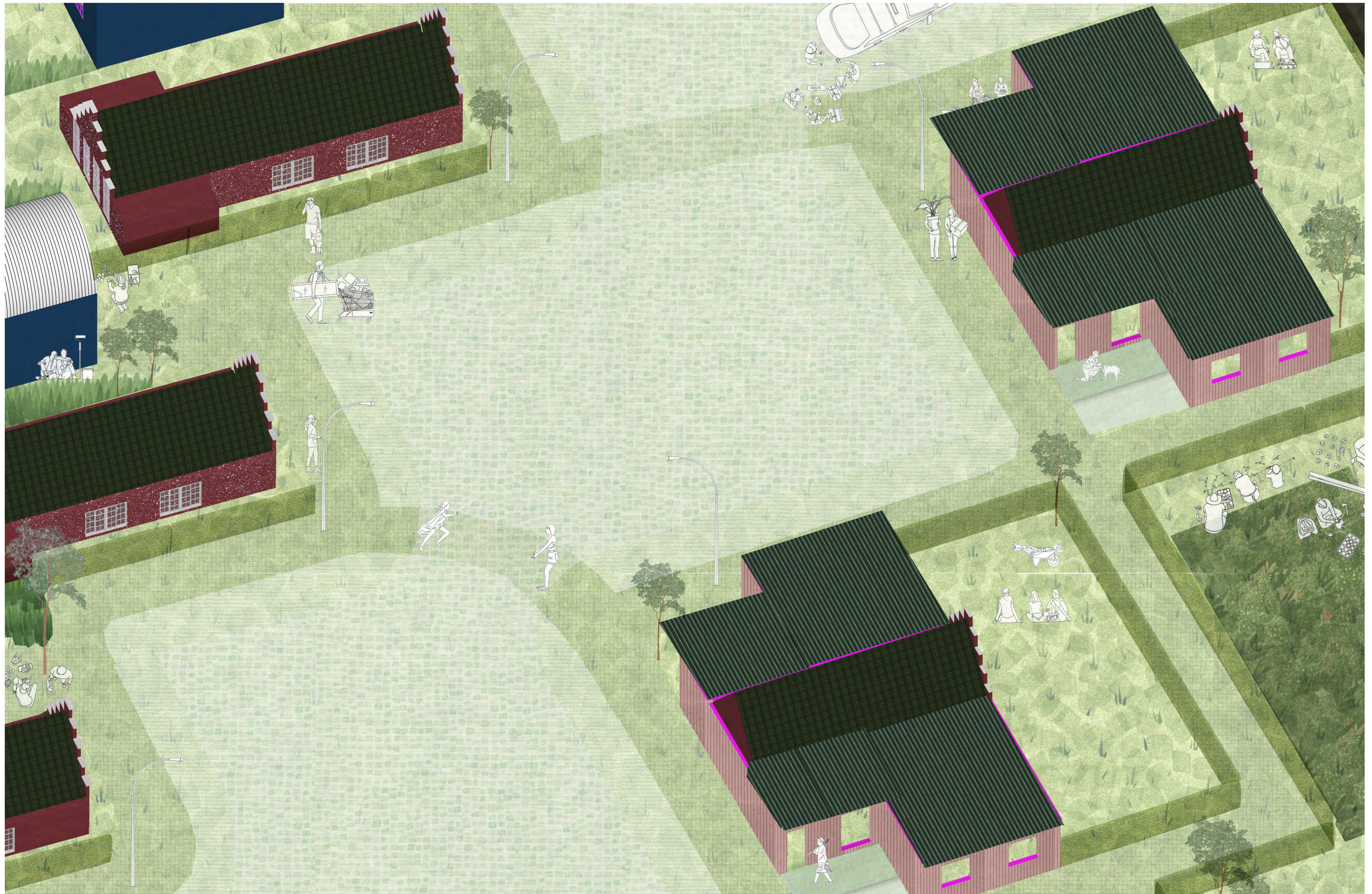


TOWARDS HOUSING

COMMUNITY PAVILION
FLOOR PLANS

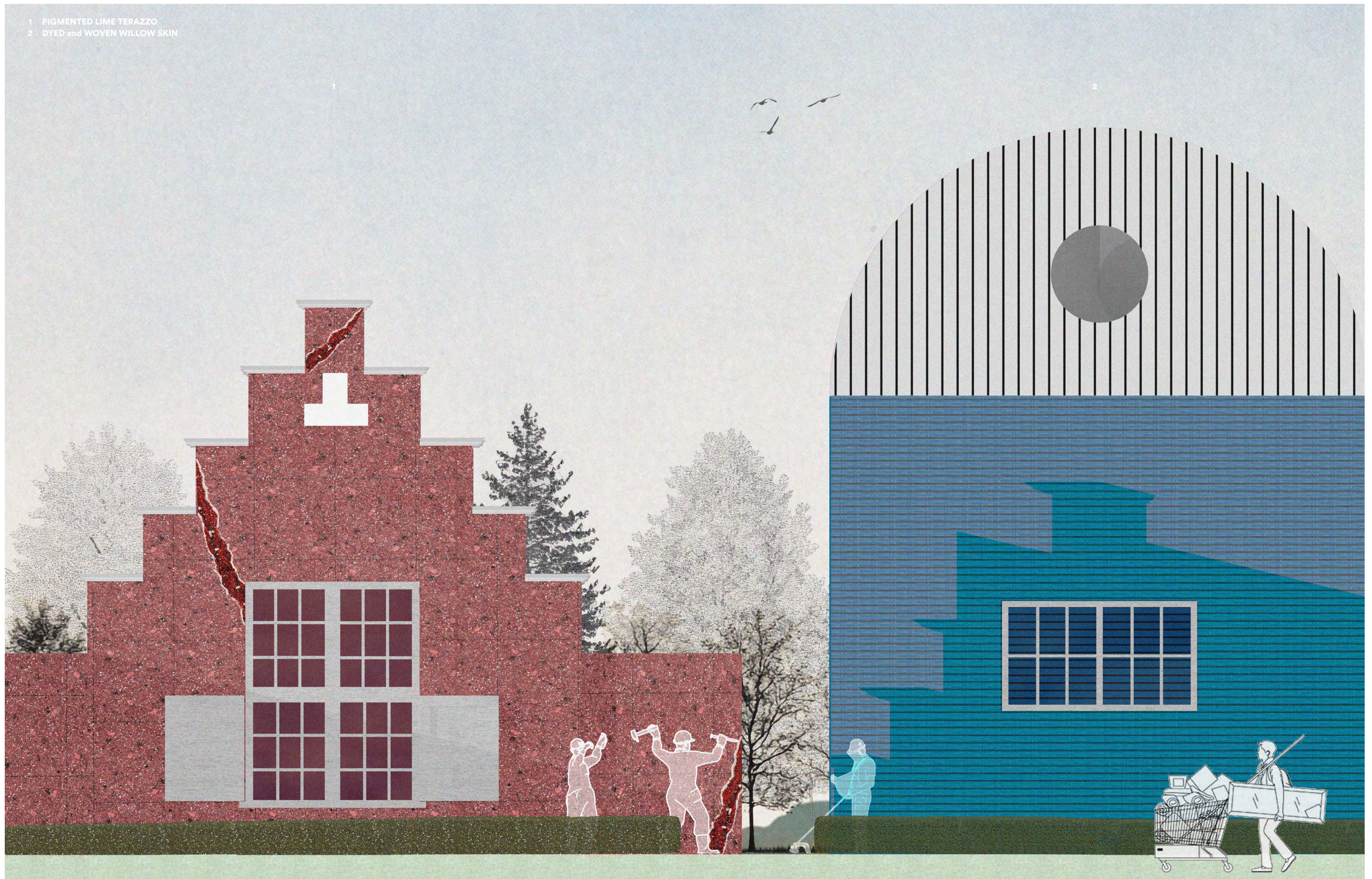


COMMUNITY PAVILION
AXONOMETRIC EXPLODED VIEW



EXTERIOR VIEW
AXONOMETRIC VIEW OF NORTH EDGE DEVELOPMENT ADJACENT PROW

- 1 PIGMENTED LIME TERRAZZO
- 2 DYED and WOVEN WILLOW SKIN



ELEVATION VIEW
VIEW TOWARDS TYPE B and TYPE C HOUSING UNITS



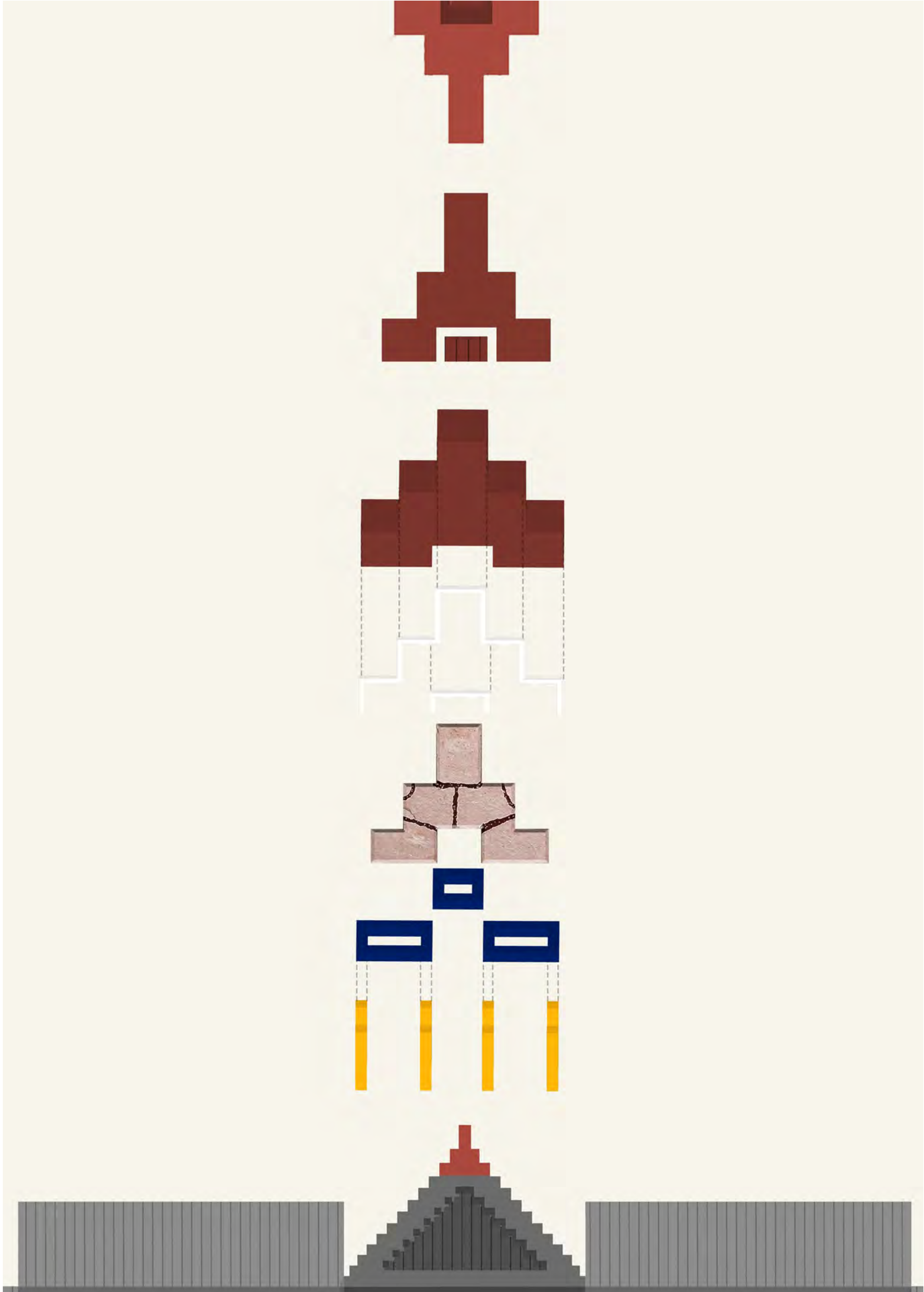
INTERIOR COLLAGE
TYPE A: VIEW FROM DINING TO SOUTH FACING WALL



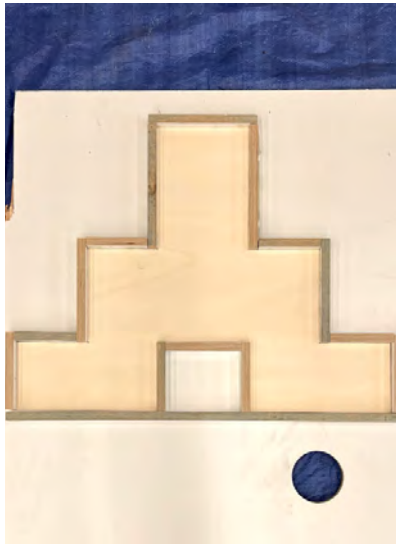
INTERIOR COLLAGE
TYPE C: VIEW FROM MAIN ENTRANCE TO NORTH FACING WALL



HERO IMAGE
VIEW FROM NORTH-WEST FIELDS TOWARDS EAST BONKERSHIRE



THE MOHAWK
PUNK VERNACULAR



WOODEN MOULD



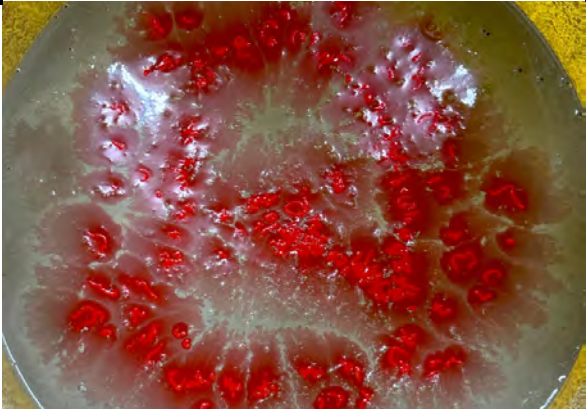
MIX PREPARATION
cement . sand . aggregate



MIX PREPARATION
cement . sand . aggregate



MIX PREPARATION
cement . sand . aggregate



MIX PREPARATION
cement . sand . aggregate . pigment



MIX POUR + SETTING



SETTING



CLEAN UP



MIX PREPARATION
cement . sand . aggregate



MIX PREPARATION
cement . sand . aggregate . dye



MIX POUR + SETTING
cement . sand . aggregate . dye



MIX POUR + SETTING
carrera marble chips laid during setting



SETTING



WOODEN FRAME
cutting the wooden shell after marking



PAINT PREPARATION



PAINT FINISH
spray painted to mimic plaster finish



PAINT FINISH



WOODEN FRAME
plywood glued and screwed to place

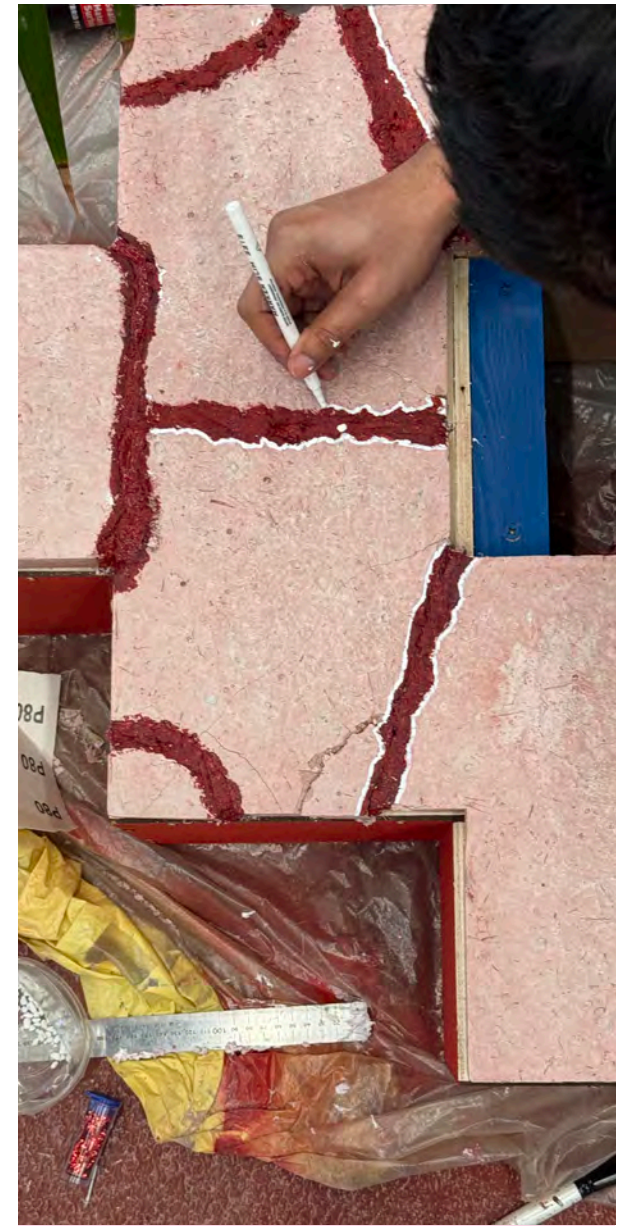
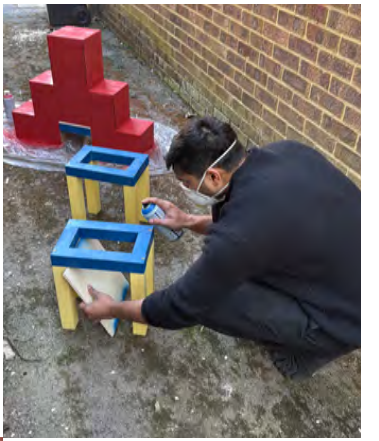
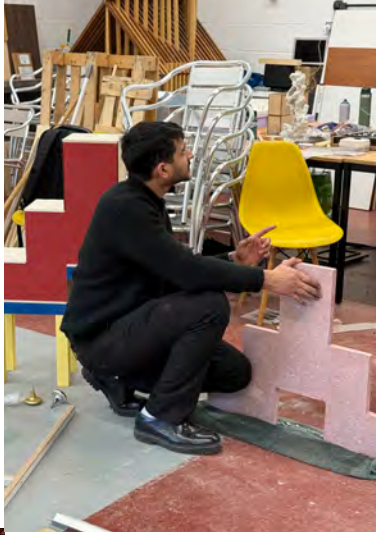
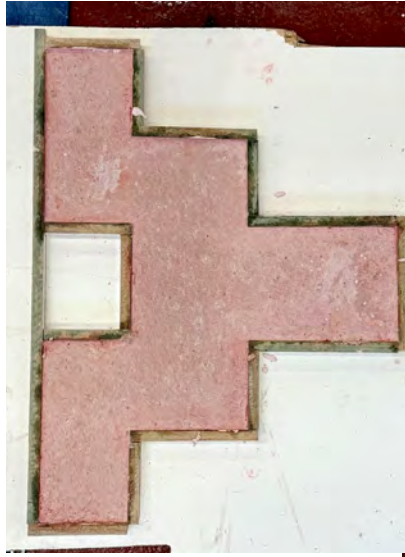


LEG FRAMING



PAINT FINISH

MOHAWK IN THE MAKING
PUNK VERNACULAR



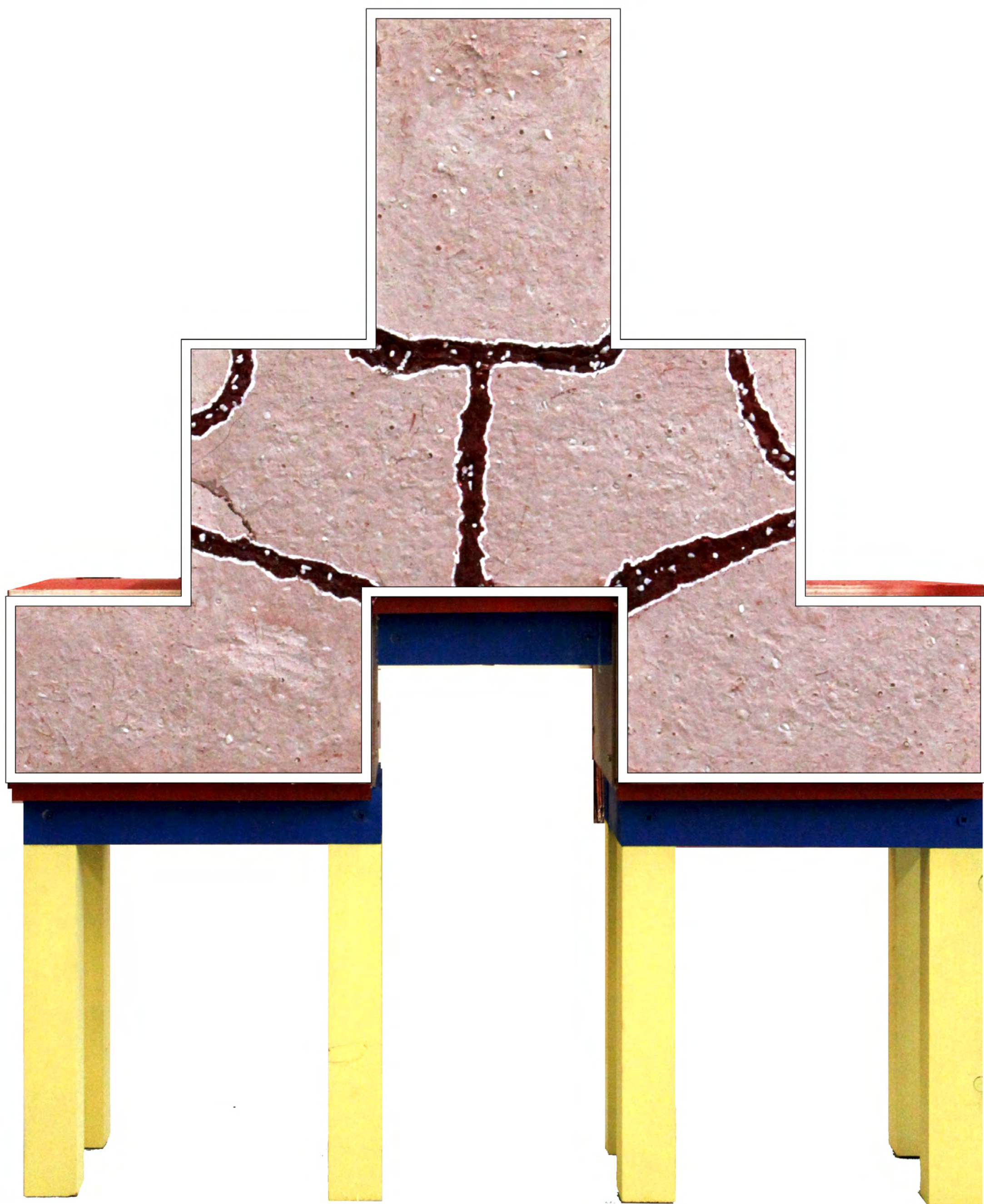
THE MOHAWK

THE MOHAWK is a full-scale architectural artefact developed as part of a residency under Unit 5, moderated by Carl Trenfield Architects. Conceived and constructed as a 1:1 exploration of architectural expression, it embraces the spirit of East Bonkershire—a speculative housing development rooted in the ethos of the Punk Vernacular.

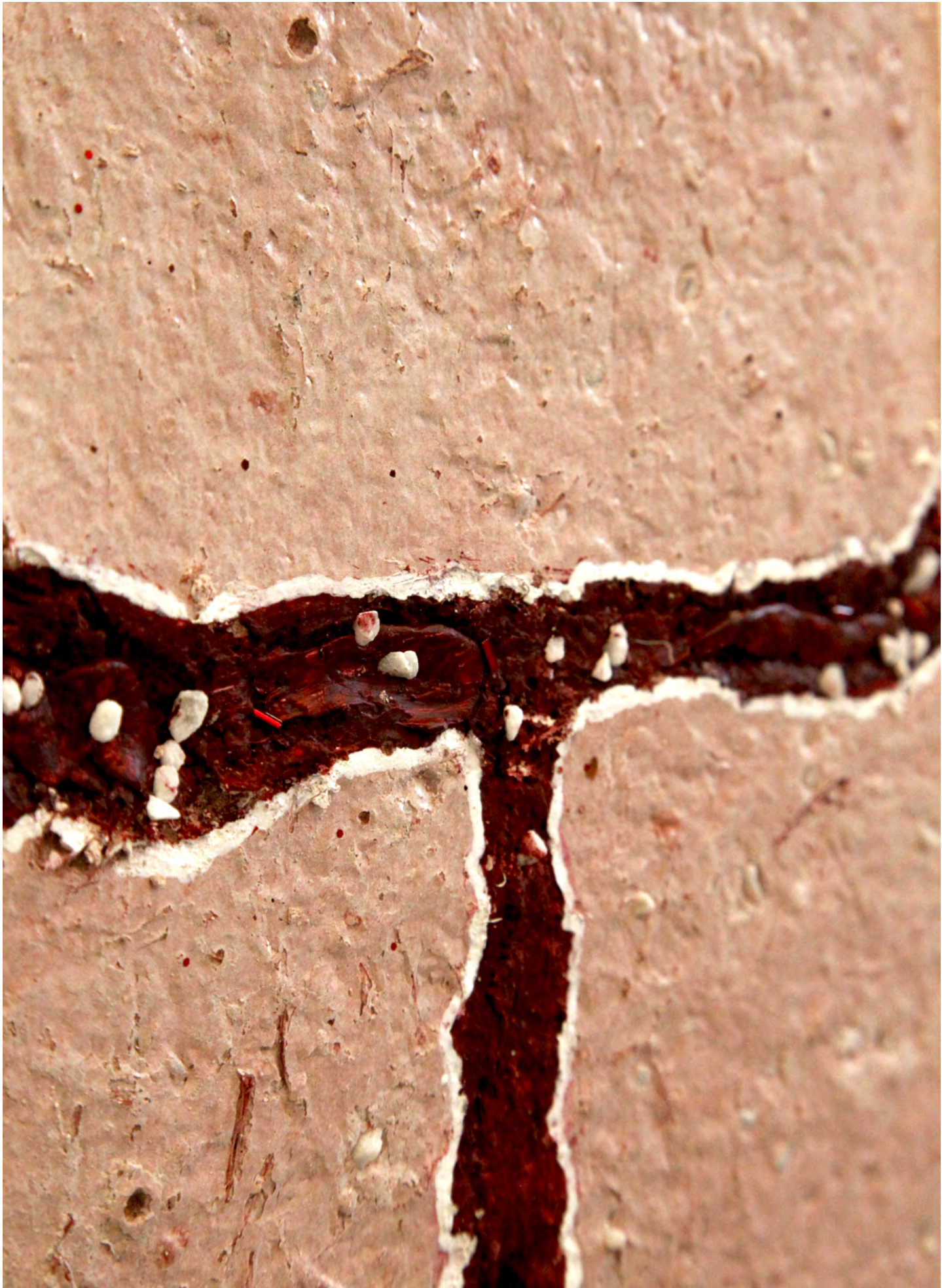
Emerging boldly from the landscape, THE MOHAWK takes form as a distinctive stepped gable roof profile, designed to punctuate the village edge line and act as a visual beacon. Its exaggerated silhouette serves both as a physical and ideological marker, signalling a departure from the conventional rural housing typologies typically found in the Kent Downs.

The artefact is rendered in pigmented lime with a terrazzo finish—an intentional material choice that disrupts traditional expectations of rural architecture. The roofscape, sculptural in presence, establishes a strong visual identity for the village and subverts from conventional architectural norms.

MOHAWK IN THE MAKING PUNK VERNACULAR



THE MOHAWK
PUNK VERNACULAR



THE MOHAWK
PUNK VERNACULAR