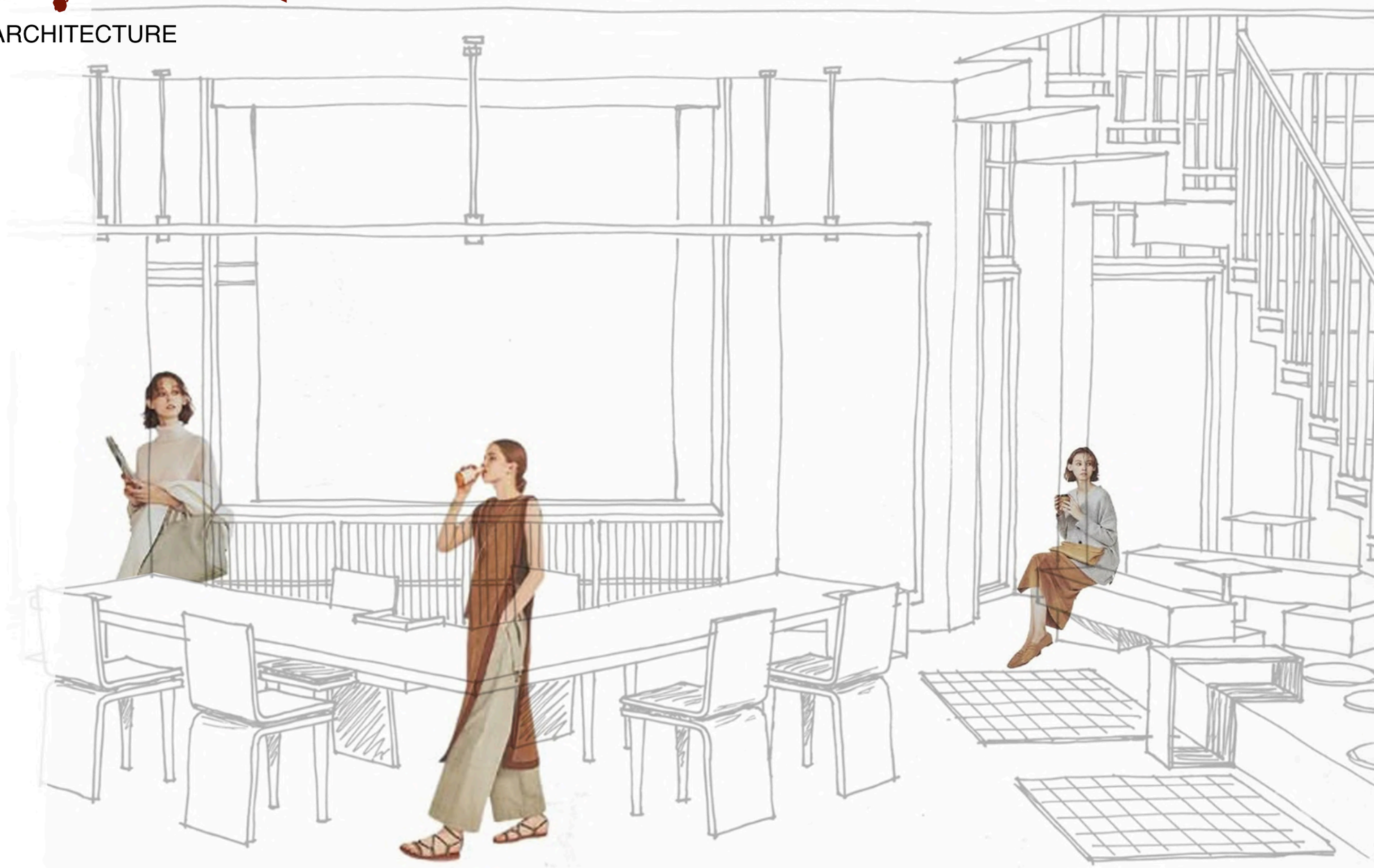
PORTFOLIO

MA INTERIOR AND ARCHITECTURE



SANSKRUTI MOGALI

SANSKRUTI

ABOUT

I am an architect and interior designer with 2+ years of UK-aligned studio experience and a practice rooted in the belief that design is a social act. Currently completing my MA Interior Design at the University of East London (Best Overall Performance Award 2026), I have delivered BIM-coordinated commercial, residential, and hospitality projects across international markets from India to the UK to Egypt.

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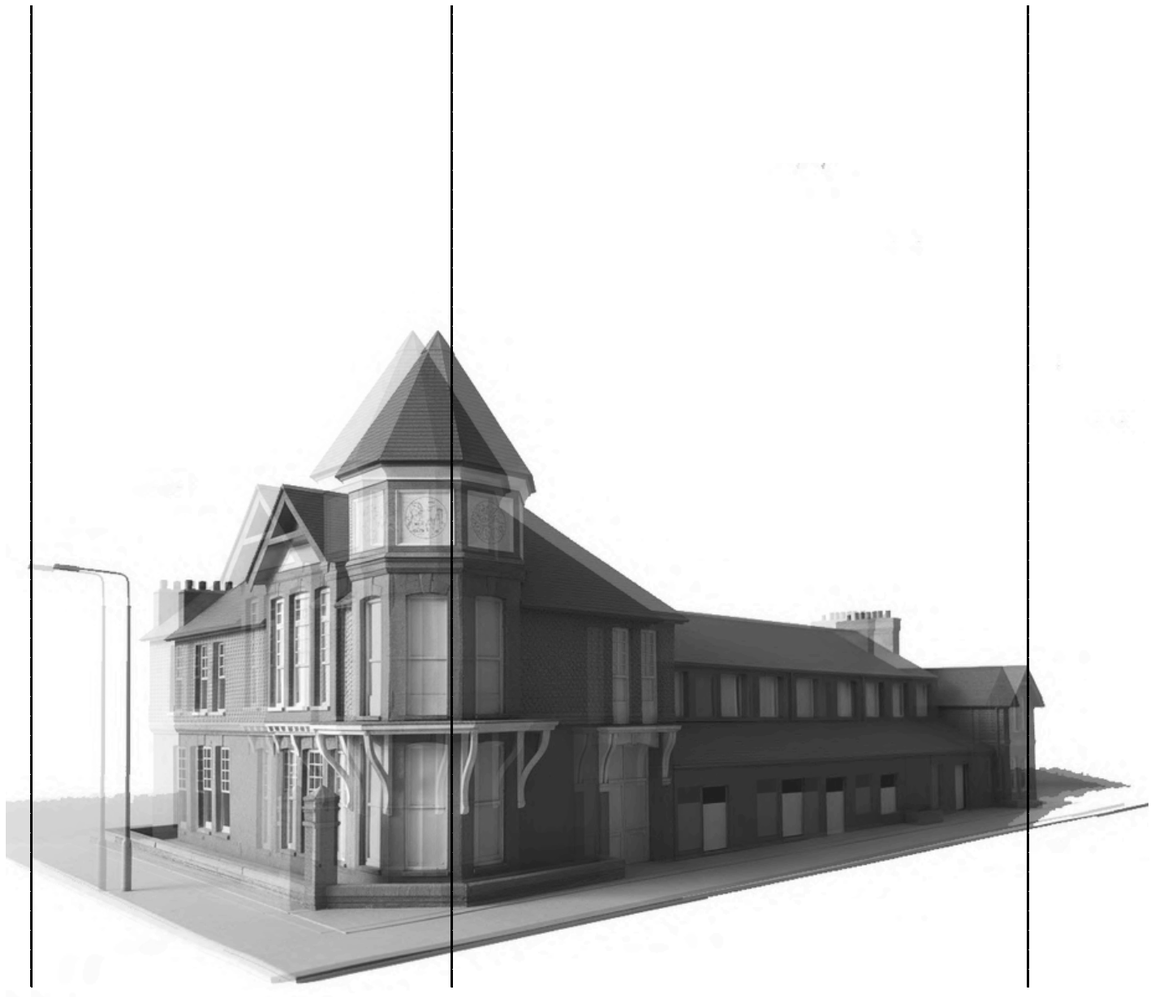
TATE INSTITUTE



Research

The Tate Institute rejects heritage as monument and regeneration as extraction.

Prototyping

We demand reversible construction respecting future adaptation, circular material flows keeping 80% sourced from Royal Docks demolition

REINSTATE

Ideation

We commit to the building as civic hinge where ReSpace, One Newham, Community Food Enterprise, and local actors share modular spaces through timetabled overlaps, with emergency mode reconfiguring for crisis response.

Principles

Six principles – Circular Economy, Radical Inclusivity, Identity, Reversibility, Civic Hinge, Wellbeing – cascade through guidelines and strategies, proving heritage can incubate green jobs and collective resilience without erasing Silvertown's worker and migrant narratives

BRIEF

The project re-inscribes the Tate Institute as a three-stage civic studio where learning, making and organising are spatially linked. Library–café, artist studios and co-working loft are redesigned as flexible, modular interiors that can shift from everyday use (reading, craft, desk work) to event mode (talks, open workshops, assemblies) through simple reconfiguration of low-cost, repairable furniture. Guided by principles of radical inclusivity, circular economy, living heritage, reversibility, wellbeing and civic hinge, the scheme uses cheap, readable timber and steel elements that respect the historic shell while enabling the community to build, adapt and maintain their own spaces. Knowledge is gathered and debated in the library, turned into artworks and repairs in the studios, and translated into campaigns and support structures in the co-working space, so the building becomes a civic engine for Silvertown residents, local artists and precarious workers.

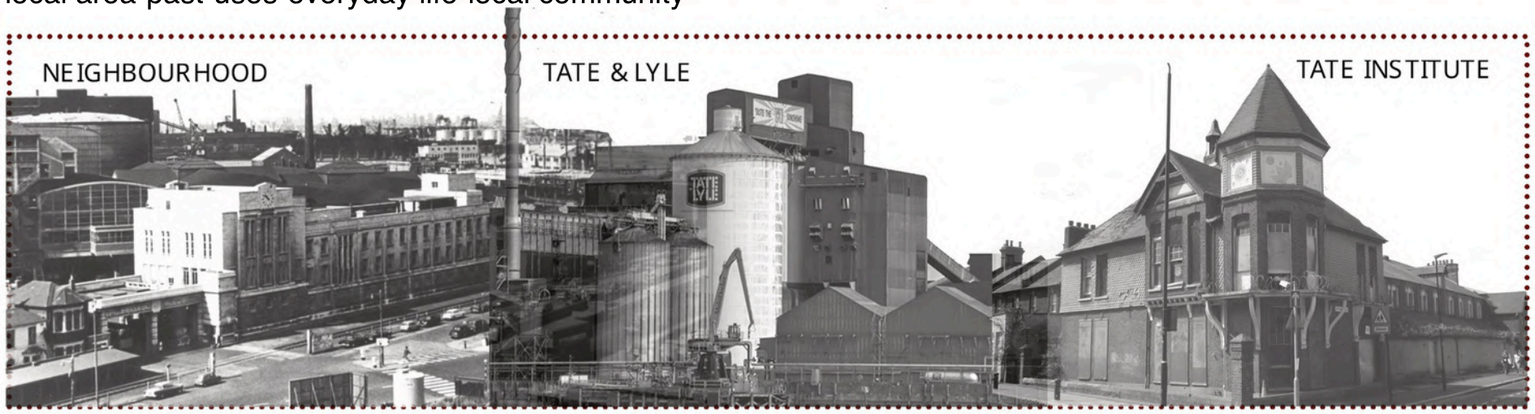
VISION AND DESIGN MANIFESTO

REinsTate Tate: A Circular Heritage Hive for Silvertown

The Tate Institute reimagines a derelict 1887 heritage shell as Silvertown's buzzing civic engine – where repair workshops hum between cast iron columns, migrant stories embed into reclaimed timber surfaces, and community tables flip from potlucks to crisis hubs. This is not restoration but radical reactivation: a reversible, inclusive hive circulating skills, warmth, and identity through Royal Docks, proving heritage buildings can incubate green jobs, co-designed memories, and collective resilience without erasing their past.

TATE INSTITUTE

local area-past-uses-everyday life-local community



Site character

The site has a strong industrial and civic identity because the building was originally tied to the sugar refinery and local worker life. Its heritage value comes from being a recognisable community landmark that has changed roles over time, from social club to library, then later to a broader public and cultural use.

Neighbourhood context

The surrounding area includes the Royal Docks regeneration zone, nearby homes and businesses, and a wider network of community organisations and schools. The current redevelopment direction already points toward workshops, creative studios, a café, gardens, and enterprise uses, which makes it suitable for a design that connects community life, learning, making, and working.

LONDON-UK

Surrounding context: Opposite/near the Tate & Lyle sugar refinery; within a mixed residential, industrial and transport context including London City Airport and Royal Docks waterfront.

NEWHAM

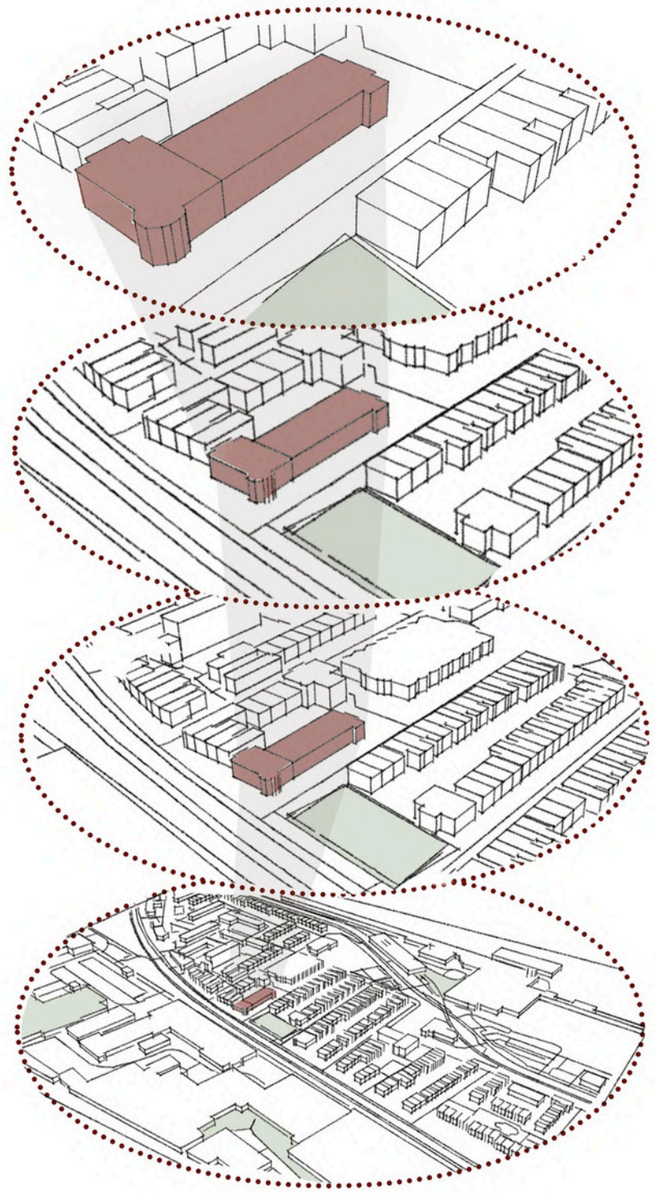
1 Wythes Road, London E16 2DN, United Kingdom (Royal Docks / Silvertown, London Borough of Newham).

Geographic coordinates (historic listing): approximately 51.5024° N, 0.0470° E.

SILVERTOWN

Administrative area: Borough of Newham; Royal Docks and Silvertown area in east London, close to Tate & Lyle sugar refinery and London City Airport.

TATE INSTITUTE AND NEIGHBOURHOOD

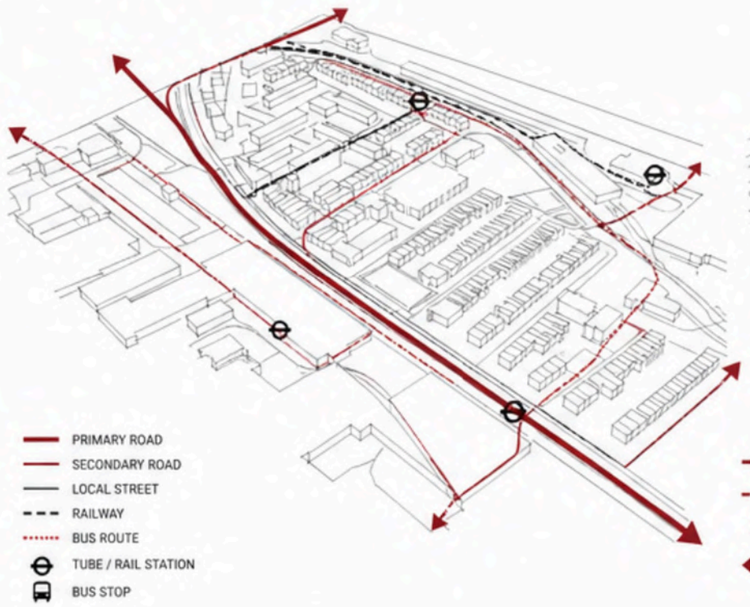


ROYAL DOCKS AREA

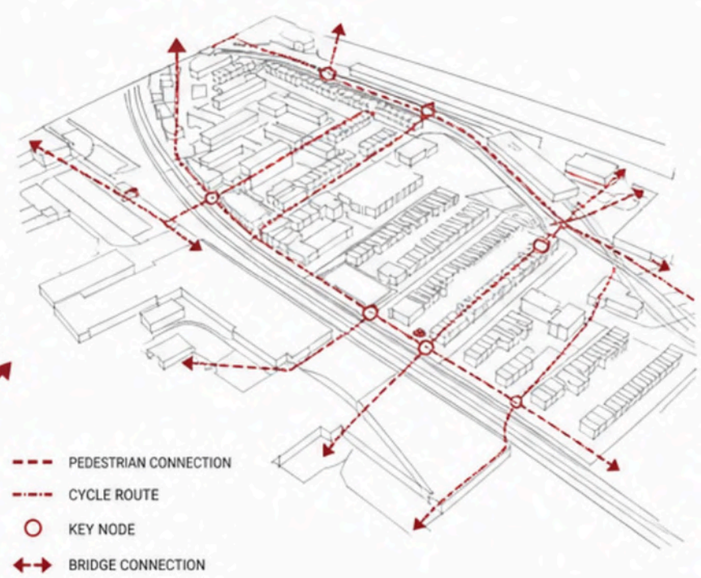
SITE LOCATION

TATE INSTITUTE

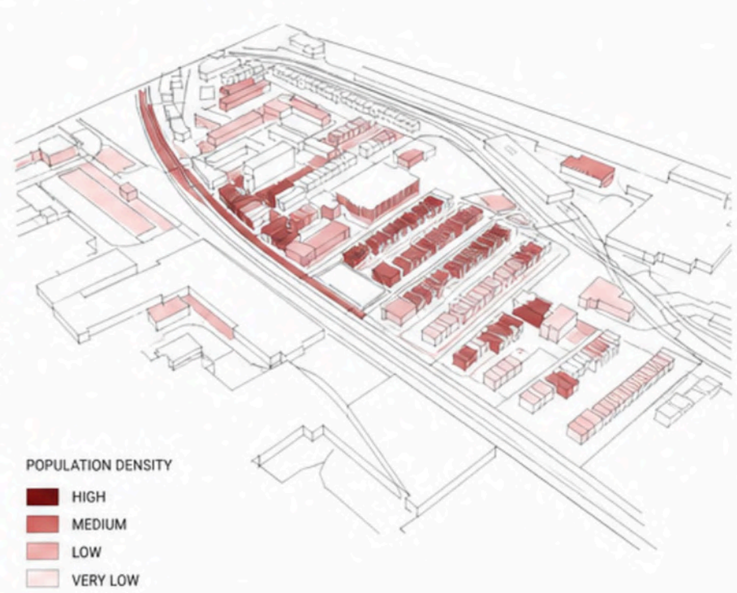
TRANSPORT



CONNECTIVITY

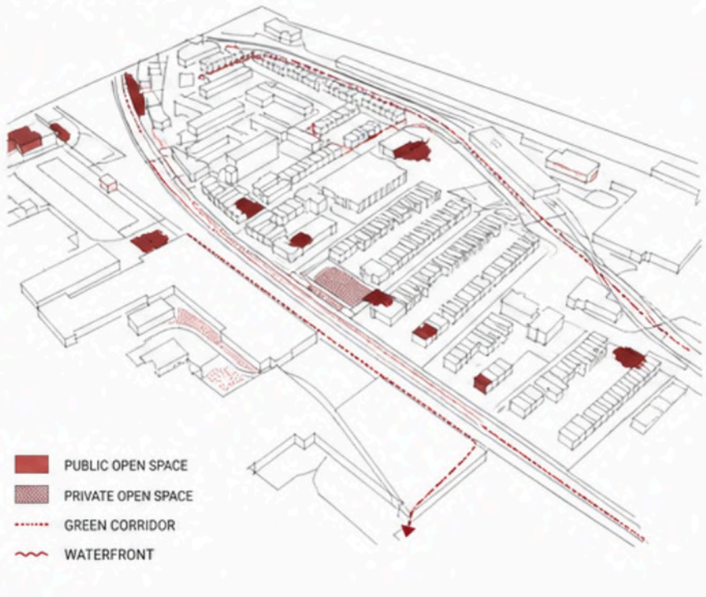


DEMOGRAPHY

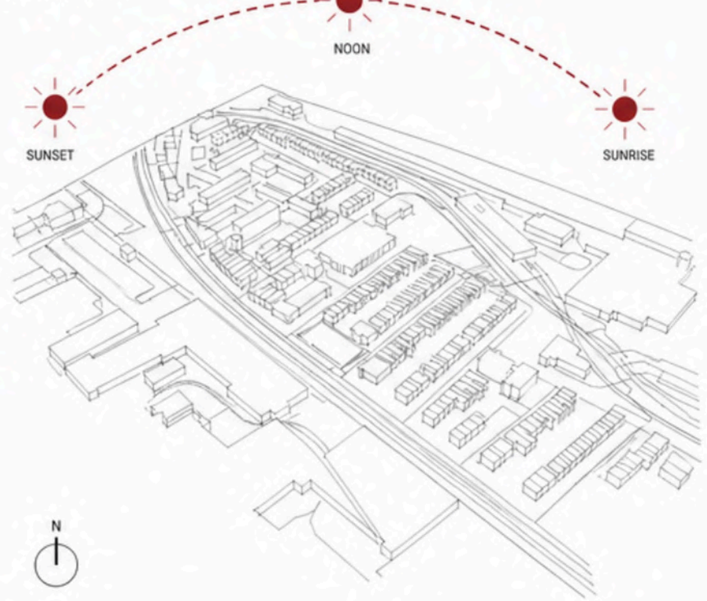


BUILT USE

OPEN SPACE



SUN PATH



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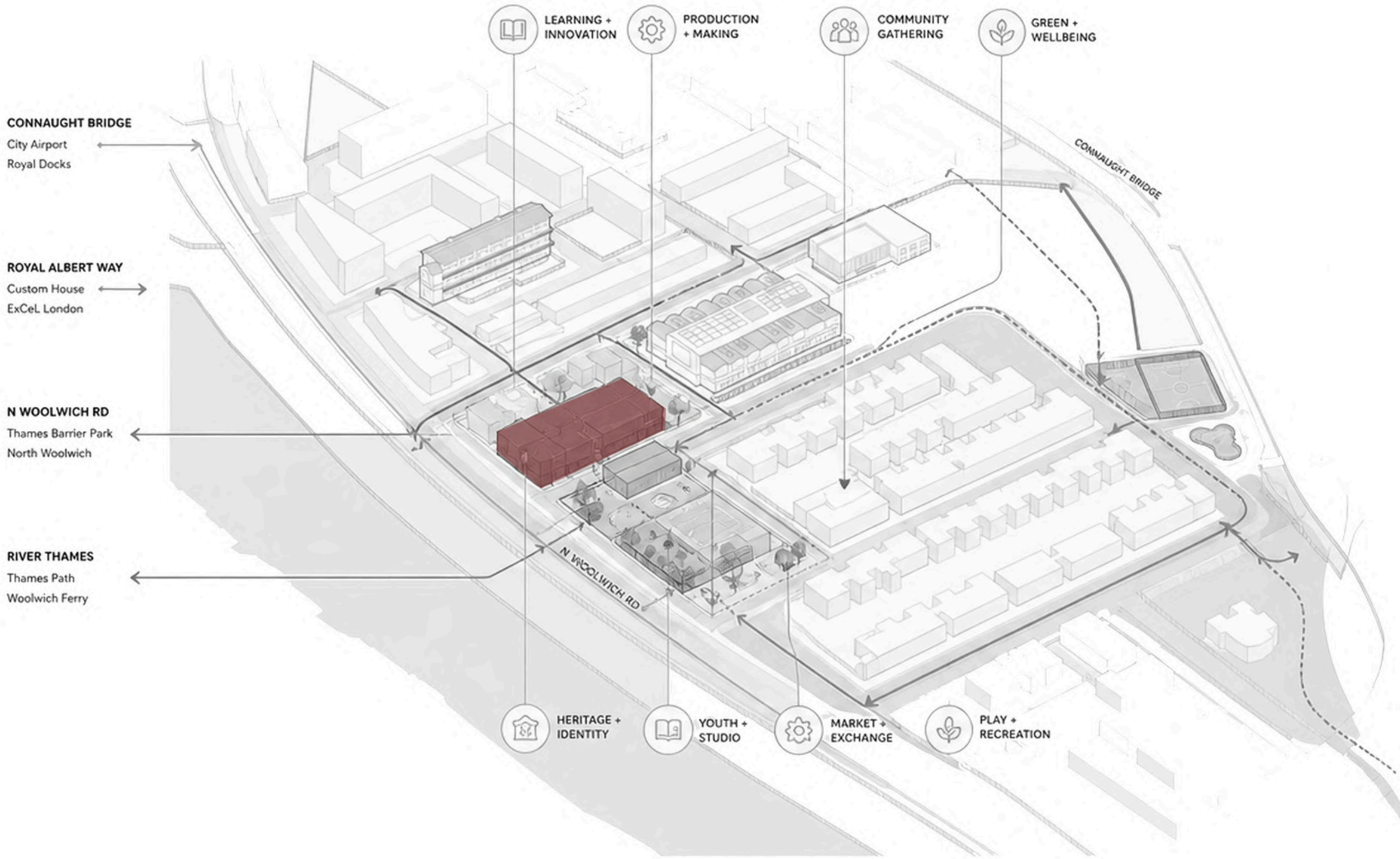


SPATIAL SYSTEMS

PUBLIC / COMMUNITY / CIVIC SPACES

Community Hall + Event Space	Gathering, assemblies, celebrations
Multi-use Rooms	Workshops, classes, training
Youth Club + Mentoring	Safe spaces, guidance, skill building
Community Kitchen + Dining	Shared meals, nutrition, education
Wellbeing + Health Suite	Counselling, support, resilience
Outdoor Civic Plaza	Markets, performances, public life

INFRASTRUCTURE & MOVEMENT

Primary Pedestrian Spine	Safe, inclusive, step-free routes
Secondary Paths	Permeable connections
Cycle Routes	Local + regional cycle links
Vehicle Access (Service)	Controlled access for deliveries
Public Transport Links	Bus stops, future rail connections
Green Corridors	Ecology, flood resilience, shading
Waterfront Walk	Accessible river edge promenade

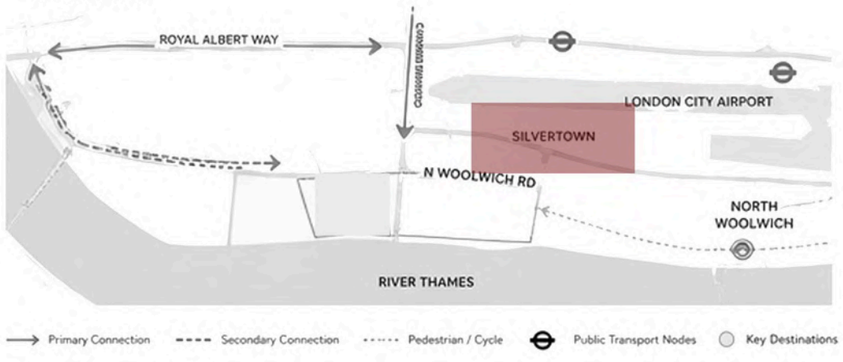
ECONOMIC / CREATIVE ZONES

Maker Studios + Workshops	Low barrier spaces for enterprise
Creative Industries Hub	Arts, design, digital, media
Local Enterprise Incubator	Start-ups, mentoring, networks
Market Hall + Retail	Local produce, circular economy
Co-working + Workspaces	Affordable, flexible work areas
Outdoor Production Yard	Making, events, logistics

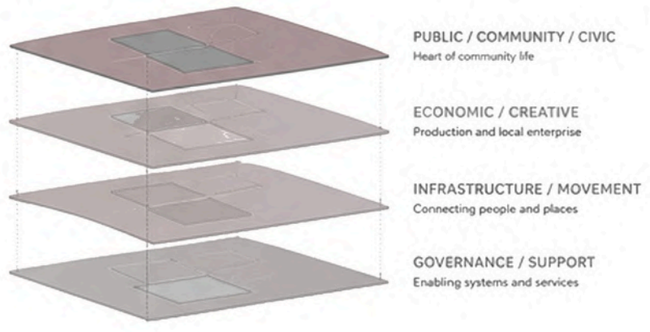
GOVERNANCE / SUPPORT SYSTEMS

Civic Governance Suite	Community decision + meetings
Resource + Advice Hub	Housing, finance, employment
Operations + Management	Building management, staff base
Storage + Logistics	Shared storage, distribution
Partnership + NGO Offices	Collaboration, coordination
Data + Innovation Lab	Research, mapping, monitoring

SITE CONTEXT

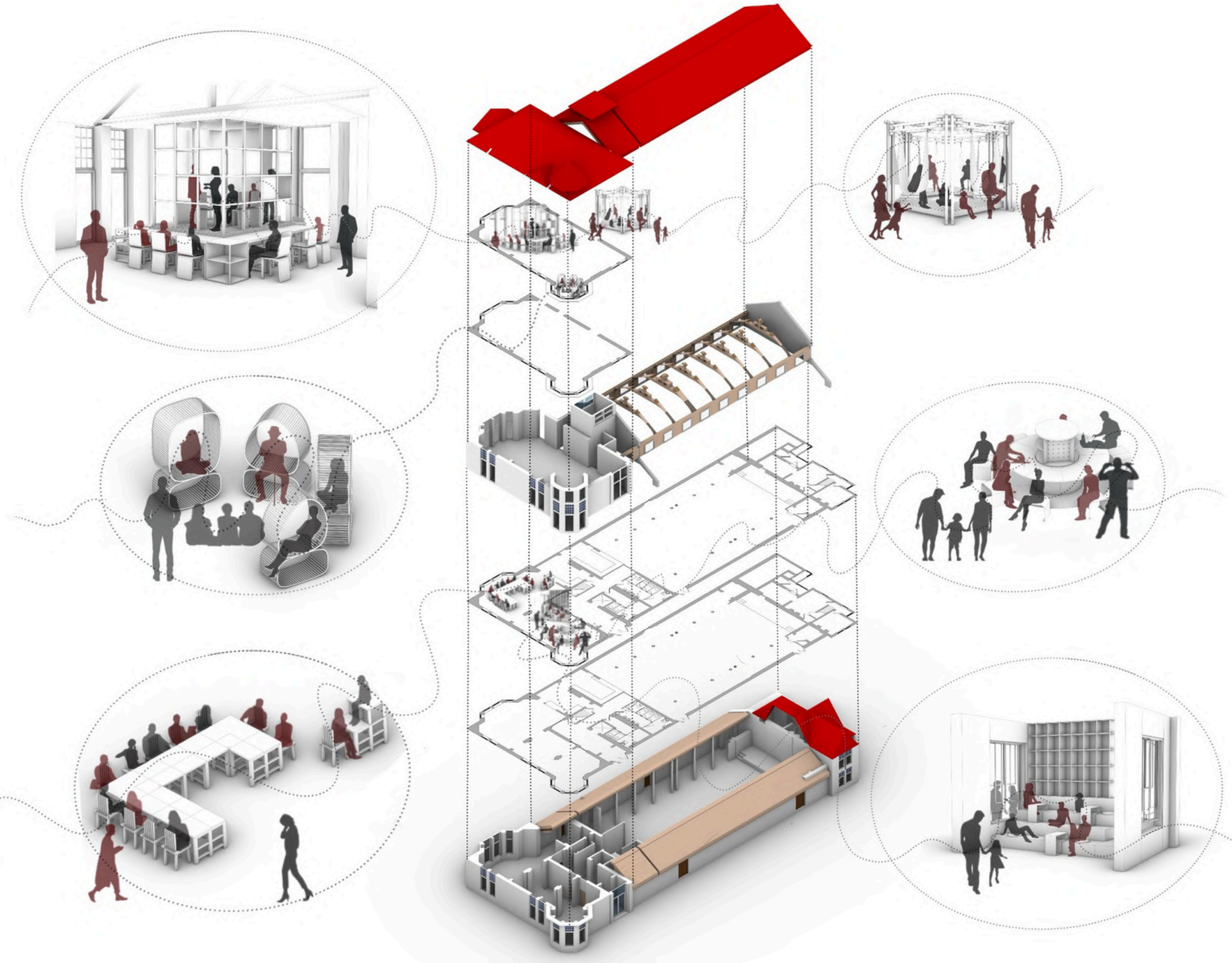


SPATIAL ORGANISATION



CONNECTING SYSTEMS

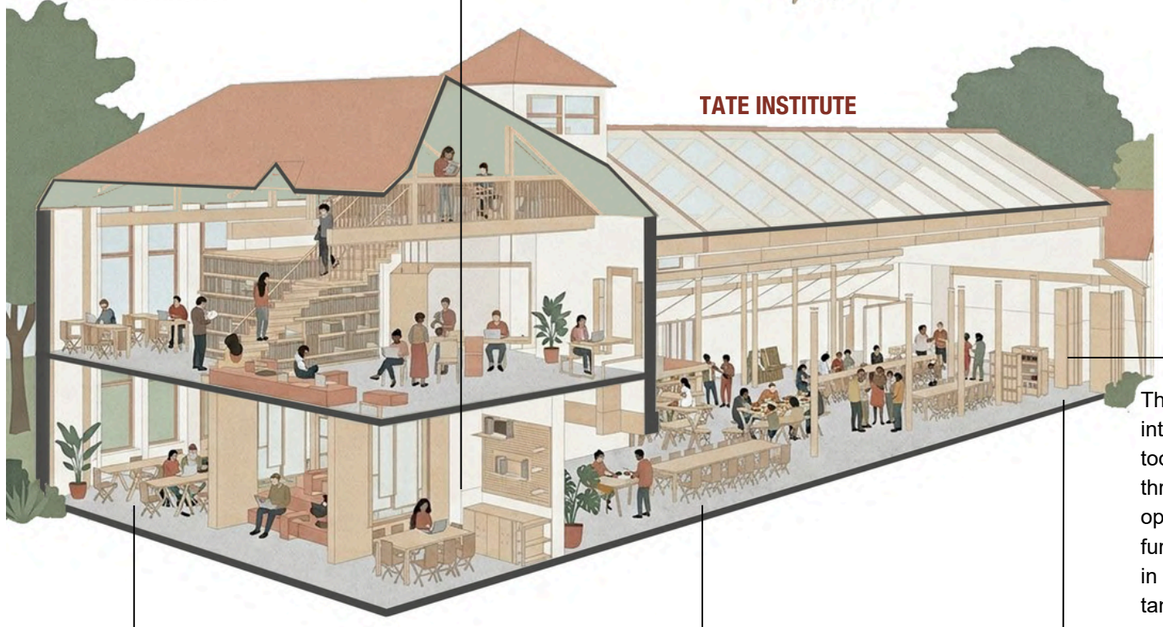
TATE INSTITUTE



BUILDING ZONING DIAGRAM

TATE INSTITUTE

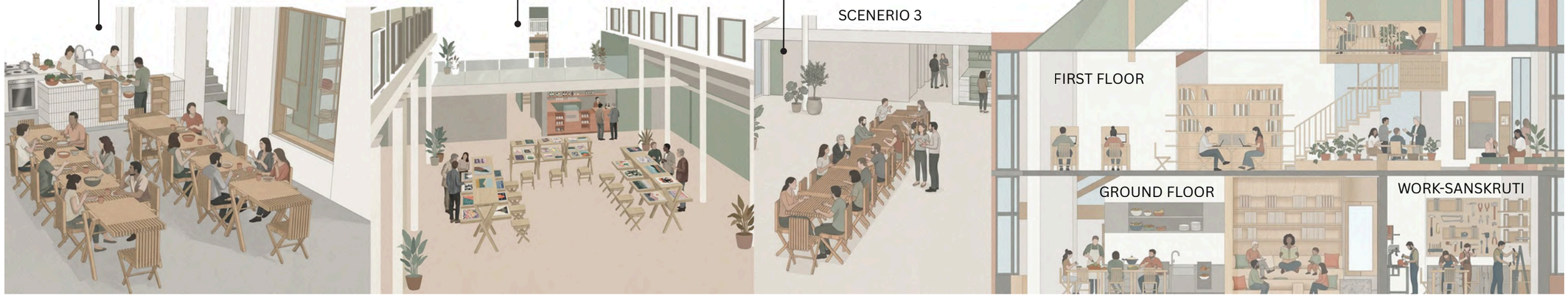
REPAIR WORKSHOP



MAKER'S STUDIO

The Tate Institute is a compact community ecosystem where repair, food, work, and rest interweave through reversible, mobile systems. Its Repair Workshop features borrowable tool carts that transform into workstations; the Community Kitchen generates income through healthy food products while teaching zero-waste cooking; the Public Box balances open social thresholds with private co-working pods; and puzzle soft seating plus convertible furniture chairs folding into storage or benches ensure every object adapts to need. Rooted in inclusivity, heritage craft, and circular economy, the institute makes sustainable living tangible and income-generating for all.

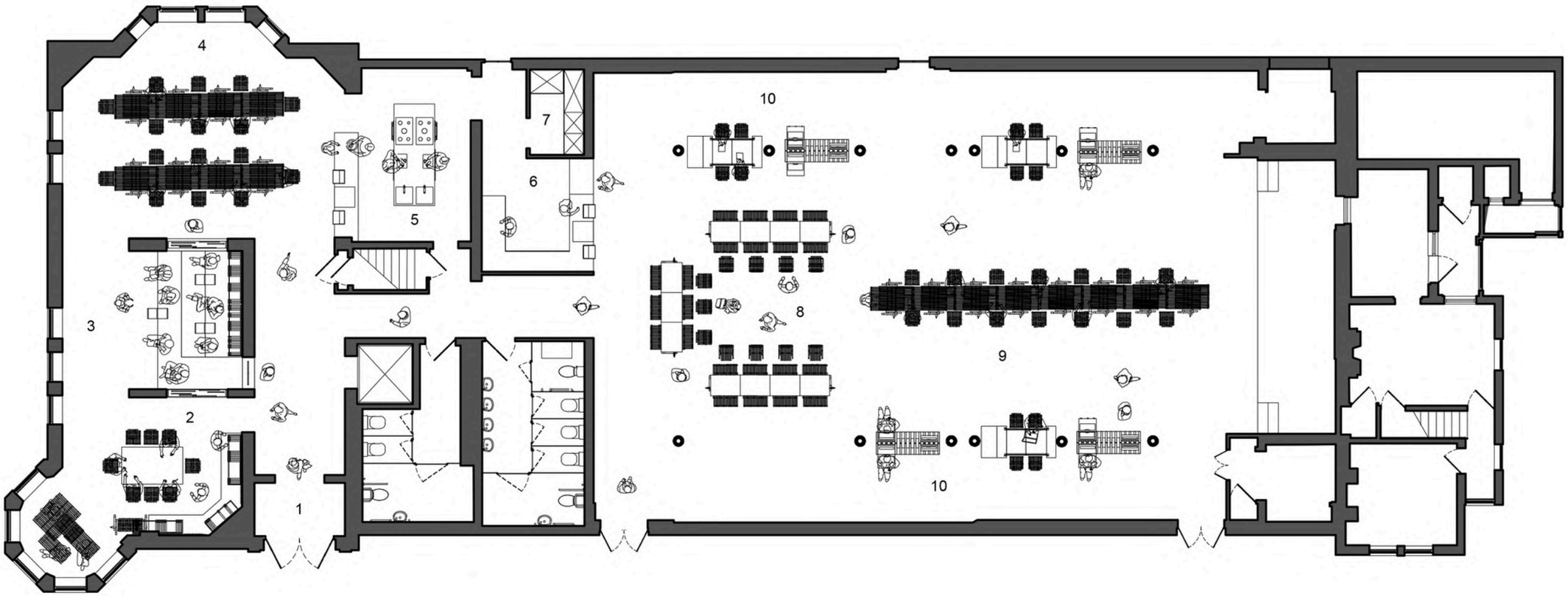
CIVIC HUB



tate institute story telling

TATE INSTITUTE

1- ENTRANCE
2- REPAIR WORKSHOP
3- STORYTELLING
4- ASSEMBLY SPACE
5- COMMUNITY KITCHEN
6- CAFE
7- FOOD STORAGE
8- MARKETPLACEMENT
9- EVENT SPACE
10- ARTIST'S STUDIO



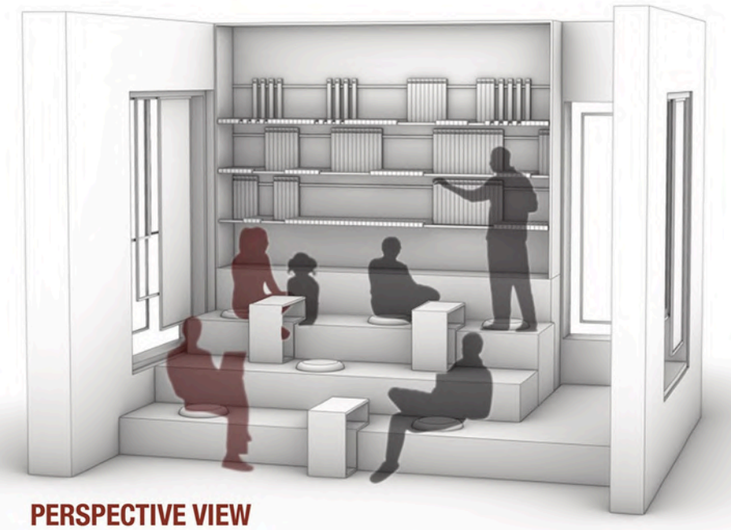
GROUND FLOOR PLAN

SCALE 1:100

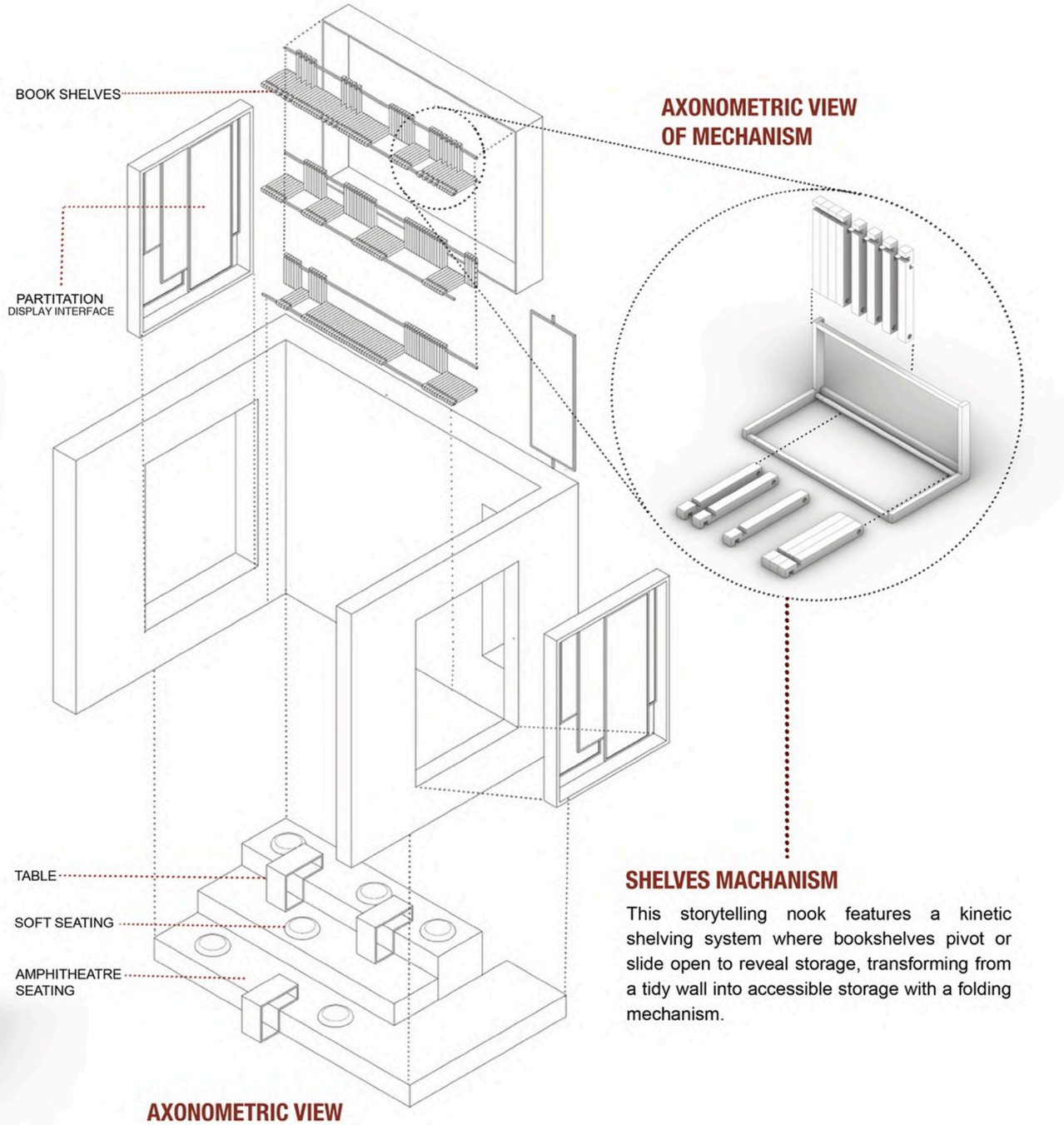
TATE INSTITUTE

FRONT VIEW

Group gatherings, while the mechanism itself becomes a tactile demonstration of "discovery" encouraging users to physically engage with the space. Designed for co-learning, the unit collapses to maximize floor area and expands when knowledge needs to be accessed of Tate's oral history. Learning space for elders as arriving ships of memory, children as the new workforce of curiosity.



PERSPECTIVE VIEW



AXONOMETRIC VIEW

AXONOMETRIC VIEW OF MECHANISM

SHELVES MACHANISM

This storytelling nook features a kinetic shelving system where bookshelves pivot or slide open to reveal storage, transforming from a tidy wall into accessible storage with a folding mechanism.

CO-LEARNING AREA -SSTORY TELLING SPACE

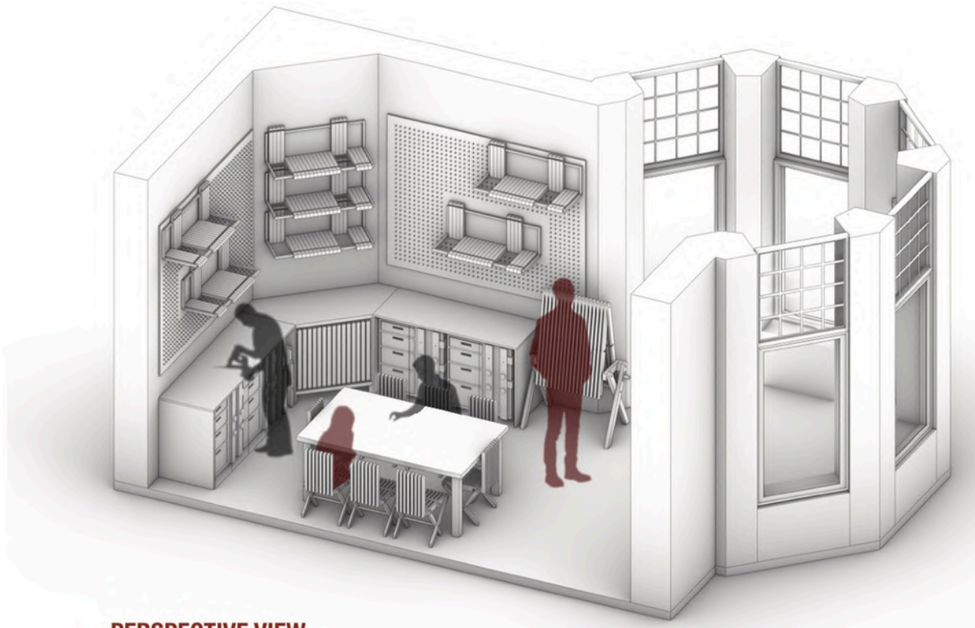
TATE INSTITUTE

REPAIR WORKSHOPS AND TOOLS LIBRRARY

The TATE Institutes features a community-focused repair workshop equipped with a comprehensive tool library designed to empower individuals to fix, restore, and maintain their belongings. Visitors can rent and borrow a wide range of professional-grade tools—from basic hand tools to specialized equipment enabling them to tackle repairs on small objects directly on-site or take their projects elsewhere. For those who prefer to work beyond the workshop walls, the institute offers a unique modular cart system complete with a portable worktable, allowing community members to bring their repair capabilities into their homes, local parks, or any outdoor space. This flexible approach not only promotes a culture of sustainability and self-reliance but also transforms repair into an accessible, social activity that can happen anywhere the community gathers.

TATE INSTITUTE

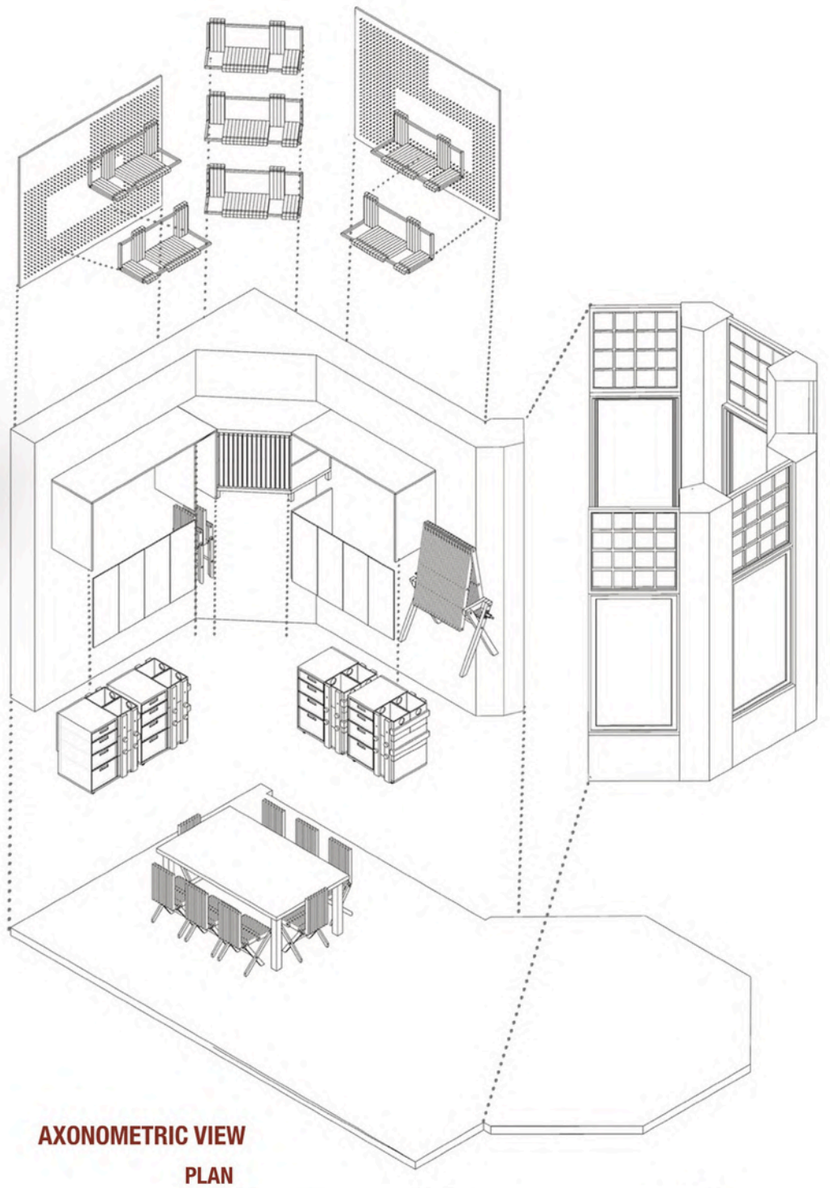
TATE INSTITUTE



PERSPECTIVE VIEW
FINAL DESIGN

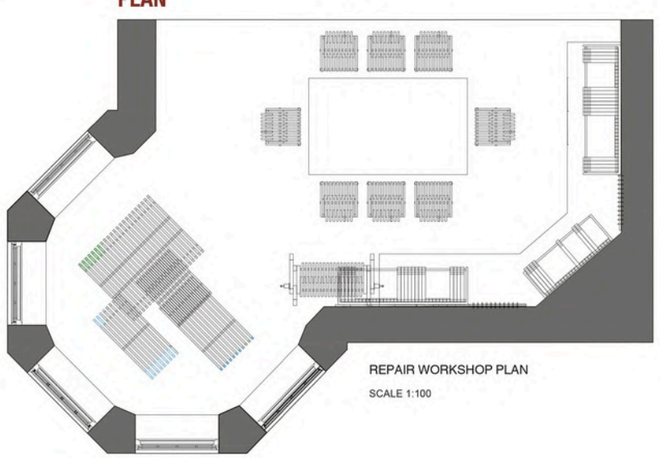
The Repair Workshop and Tools Library reimagines the traditional fix-it shop as a hybrid space of production, learning, and community exchange. Moving away from a fixed, tool-heavy model, it proposes a lightweight, mobile, and inclusive system that enables the Tate community to repair, learn, and share resources. At its core is a reversible, borrowable infrastructure of modular storage carts that transform into mobile work surfaces, supported by a tool library for home use.

Four specialized carts support different repair types textile, small objects, basic electronics, and learning each acting as a compact, self-contained toolkit. These carts can be used flexibly within the workshop or borrowed, extending repair activity beyond the space. The project promotes inclusivity through low-tech tools and multiple entry points, frames repair as a shared cultural practice, and supports a circular economy by extending the life of everyday objects. Reversible construction allows the system to adapt and reconfigure as community needs evolve.



AXONOMETRIC VIEW

PLAN



REPAIR WORKSHOP PLAN

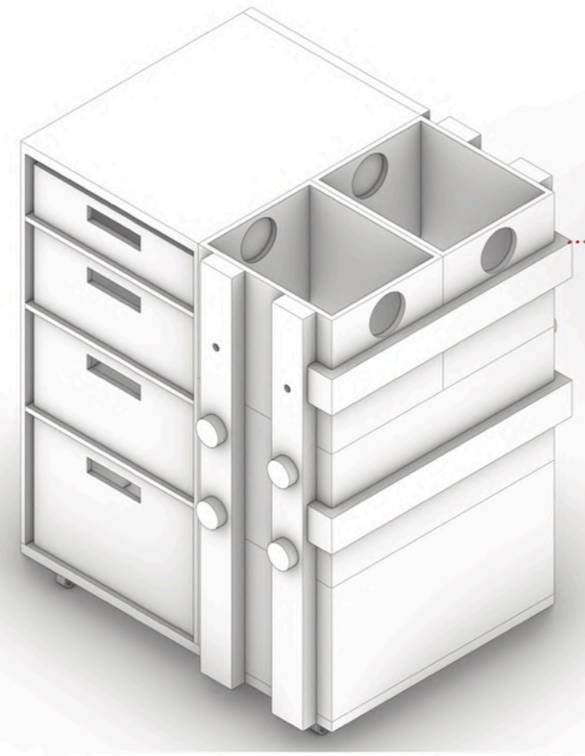
SCALE 1:100

TATE INSTITUTE

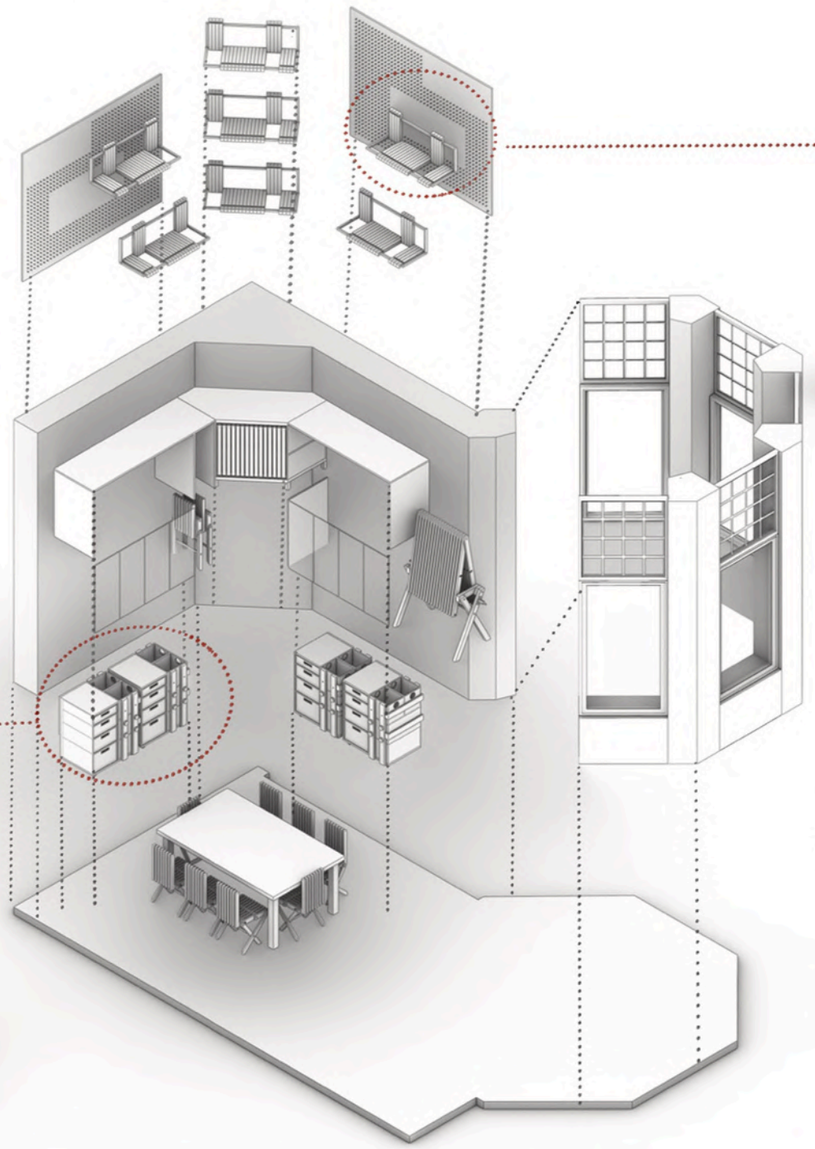
Activities & repair categories: the workshop operates as a low-tech, mobile, and borrowable repair system, organised into four specific repair categories:

1. soft repair (textile + bags): clothes, bags, curtains, and cushions, including stitching, patching, and minor fabric repairs.
2. Small object repair: toys, kitchen items, light furniture, and umbrellas. Kitchen repairs include fixing loose handles (pots, pans, mugs), re-attaching broken lids, straightening bent cutlery, tightening loose screws, and repairing small plastic cracks. Repairs are limited to small, non-electrical items using simple hand tools to ensure safety within the library environment.
3. Basic electronics (limited): cables, headphones, and battery replacement, using minimal and safe tools.
4. Learning/student repair: basic sewing practice, fixing buttons and zips, assembling small objects, and simple repairs such as tightening and gluing. This category supports skill development alongside everyday repair activities.

PERSPECTIVE VIEW

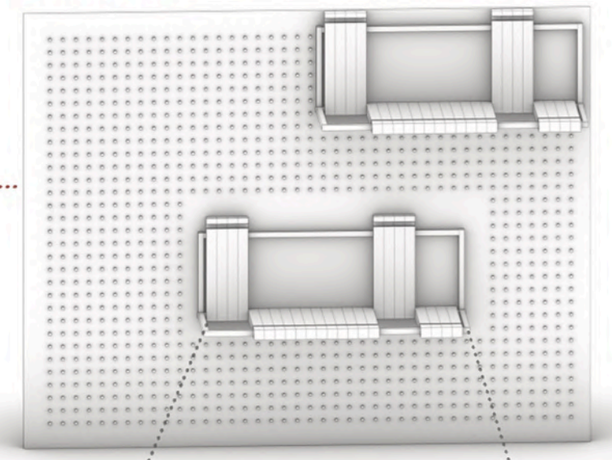


Wall pegboard:
Tools are displayed visibly for easy identification and inspiration, acting as a tool library, repair display, and knowledge wall that shares simple repair guides, tool use, and tips to support learning while working.

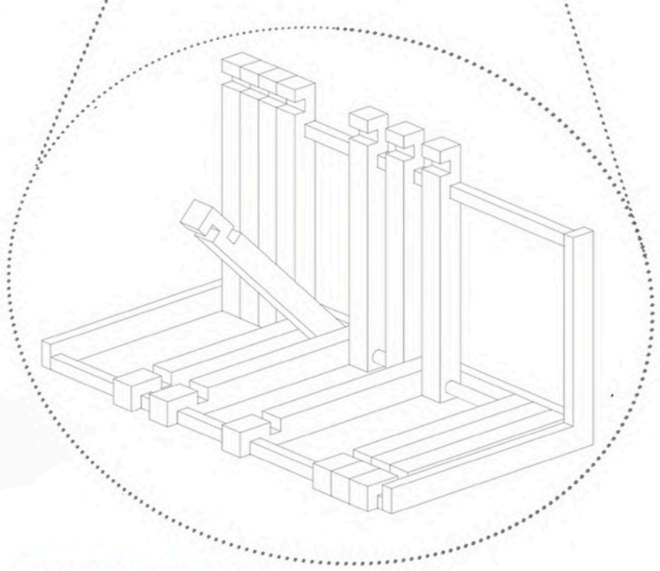


AXONOMETRIC VIEW

FRONT VIEW



Step-display shelves based on a storytelling system, using a folding mechanism that allows easy opening, adjustment, and customisation.

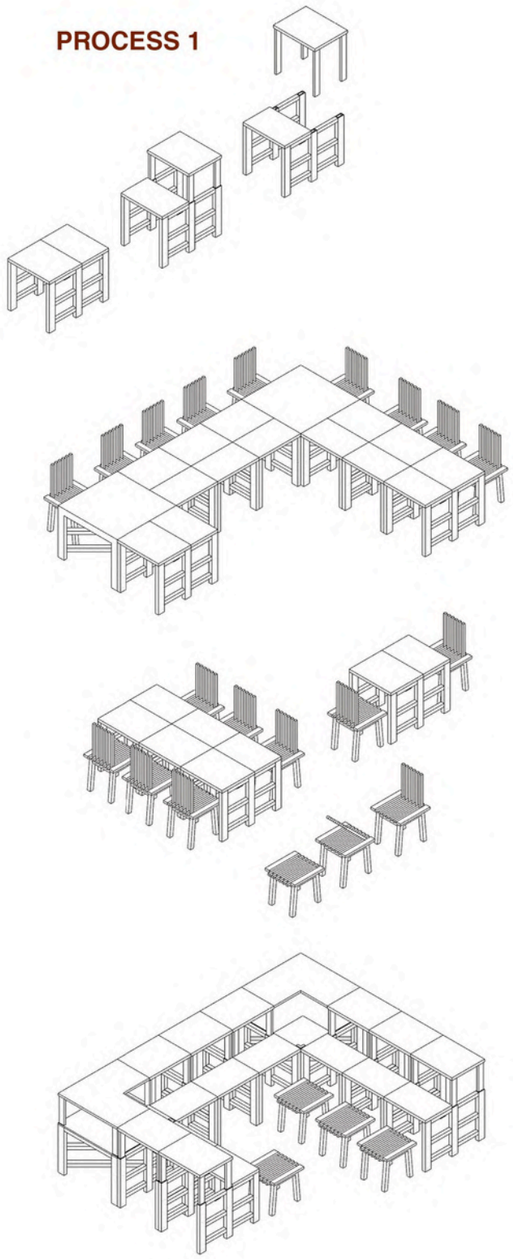


MECHANISM OF SHELVES

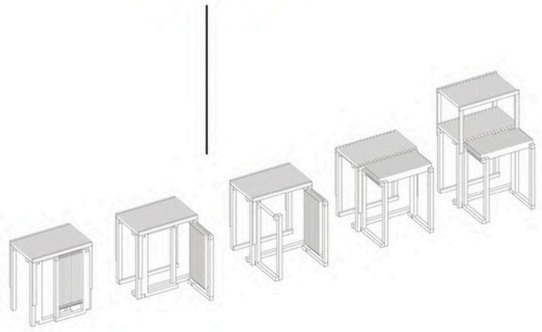
TATE INSTITUTE

CIVIC TABLE

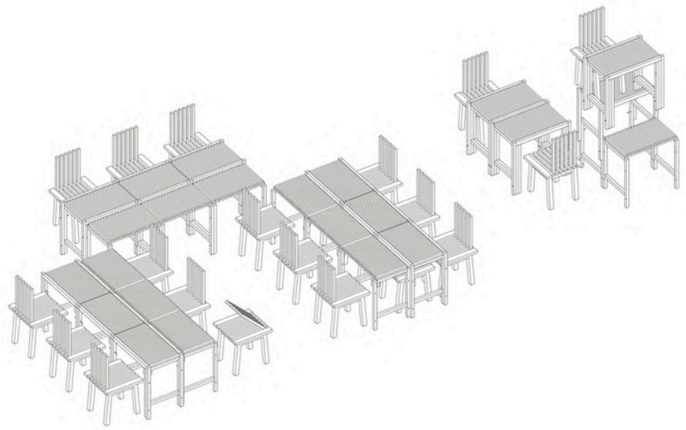
PROCESS 1



PROCESS 2



PROCESS 3



The civic table is a modular furniture system that migrates between solitude and assembly. individual units stools, chairs, small tables nest and stack when dormant, minimising footprint. when activated, they combine into larger surfaces: two become a desk, four become a workshop bench, eight become the civic table itself.

The name “civic table” reflects its ability to operate across different social contexts, supporting a wide range of community uses and activities.

The mechanism is intuitive no tools, no fixed fixings allowing any user to reconfigure the space in minutes. this is furniture as infrastructure; it adapts to the scale of gathering rather than dic- tating it. a single resident can sit alone, a group can cluster, a neighbourhood can assemble all using the same kit of parts.

Beyond work, the system can also function as a dining table, supporting community gatherings, shared meals, and meetings with different organisations. through varied configurations, it enables multiple uses and social scenarios.

The system embodies circular economy principles, modular, repairable, reusableand reversibility. nothing is fixed; everything can be undone and redone.

The mechanical logic is inspired by the library shelving system and its storytelling structure. a folding mechanism is developed to allow the elements to be easily stored, compacted, opened, and reconfigured. height can be adjusted, and components can be transformed effortlessly, supporting a flexible and adaptive spatial system

TATE INSTITUTE

PROCESS FINAL

1

THE TABLE STARTS IN ITS COMPACT, ORIGINAL CONFIGURATION.

2

THE SLATTED ELEMENTS ROTATE AROUND TWO PIN JOINTS CONNECTED TO THE LEGS.

3

AS THE ELEMENTS ROTATE OUTWARD, THE TABLE EX-PANDS, CREATING A LARGER SURFACE.

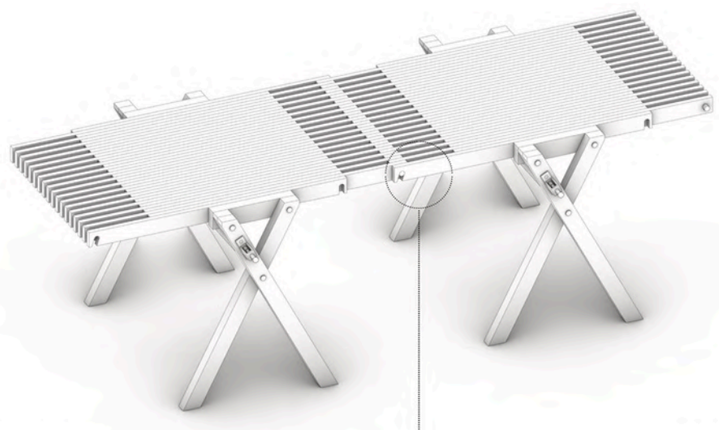
4

IN ITS EXTENDED SYSTEM, THE TABLE CAN BE FOLDED INTO A VERTICAL POSITION FOR EASY STORAGE AND MOBILITY.

THE JOINT DETAIL FOLLOWS A FOLDING MECHANISM INSPIRED BY THE LIBRARY SHELVING SYSTEM. USING PIN CONNECTIONS, THE ELEMENTS ROTATE SMOOTHLY TO ENABLE OPENING, CLOSING, AND RECONFIGURATION. THIS SYSTEM ALLOWS THE TABLE TO TRANSFORM WHILE MAINTAINING STRUCTURAL STABILITY AND FLEXIBILITY.

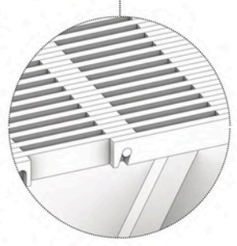
IN FOLDED STATE, CIVIC TABLE CAN ALSO FUNCTION AS A DISPLAY WALL, SHOW BOARD FOR EXHIBITIONS, ANNOUNCEMENTS, OR OTHER USES.

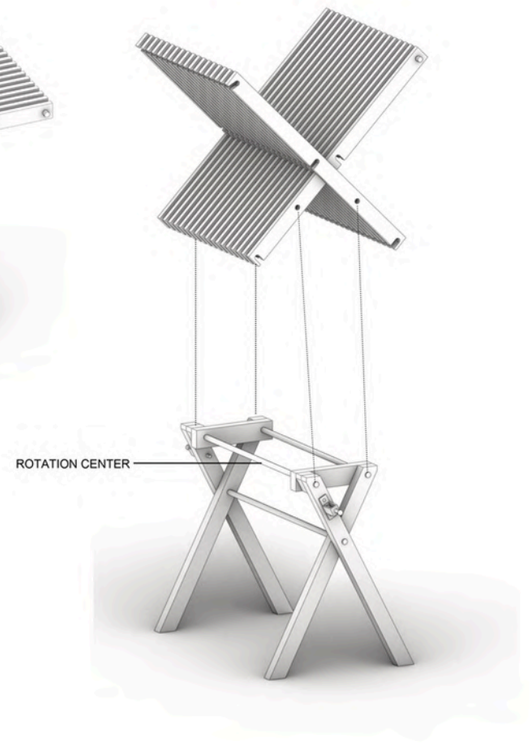
AXONOMETRIC VIEW



THE CIVIC TABLE IS DESIGNED AS A MODULAR SYSTEM THAT ALLOWS MULTIPLE UNITS TO BE CONNECTED THROUGH A SIMPLE PIN JOINT MECHANISM, FORMING A CONTINUOUS SURFACE THAT CAN BE EXTENDED TO ANY DESIRED LENGTH.

THIS FLEXIBILITY ENABLES THE SYSTEM TO ADAPT TO DIFFERENT SCALES FROM SMALL GATHERINGS TO LARGE COMMUNITY EVENTS FUNCTIONING AS A SHARED DINING TABLE, EVENT SURFACE, OR DISPLAY PLATFORM. THE JOINT DETAIL HIGHLIGHTS THE ROTATION CENTER AND CONNECTION LOGIC, SHOWING HOW UNITS COMBINE TO CREATE LARGER, ADAPTABLE SETUPS.

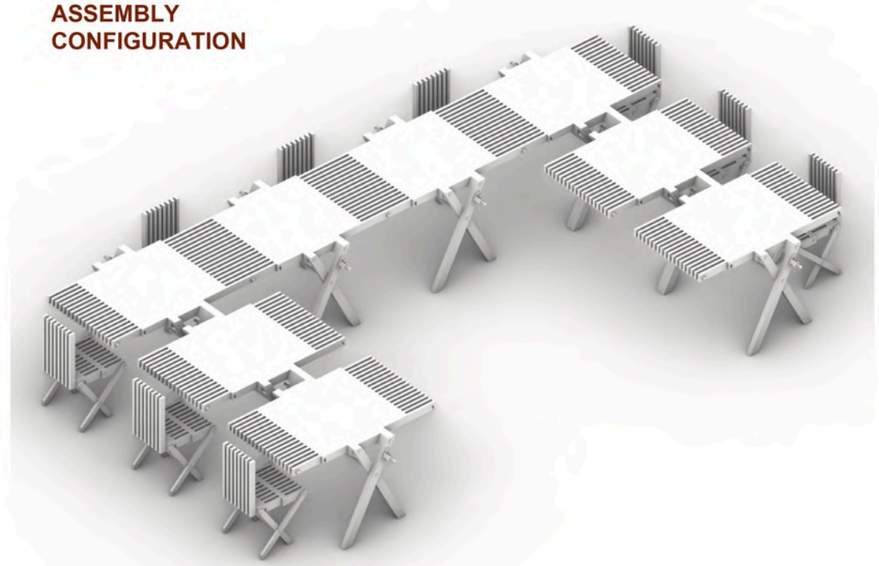




TATE INSTITUTE

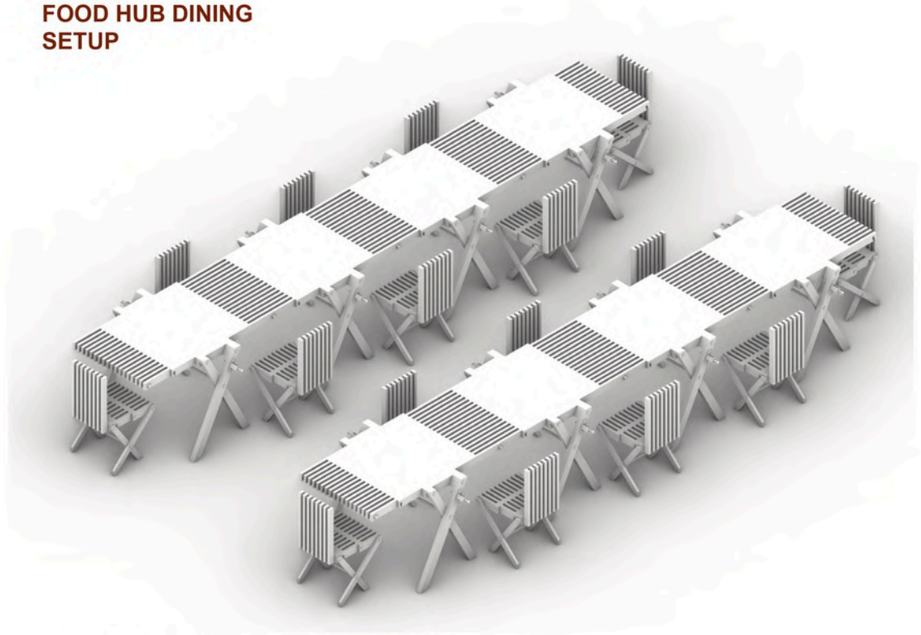
ELEVATION
SCALE 1:100

ASSEMBLY CONFIGURATION



IN THIS CONFIGURATION, THE CIVIC TABLE FUNCTIONS AS AN ASSEMBLY SPACE, SUPPORTING COMMUNITY GATHERINGS, MEETINGS, AND COLLABORATIVE ACTIVITIES.

FOOD HUB DINING SETUP

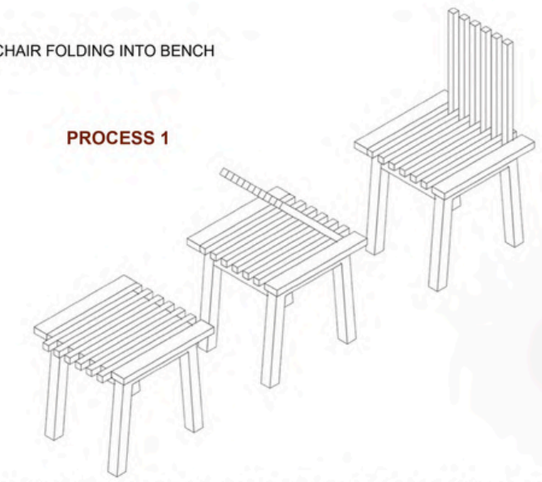


IN THIS CONFIGURATION, THE CIVIC TABLE FUNCTIONS AS A DINING TABLE, SUPPORTING THE FOOD HUBCOMMUNITY KITCHEN, AND SHARED MEALS.

TATE INSTITUTE

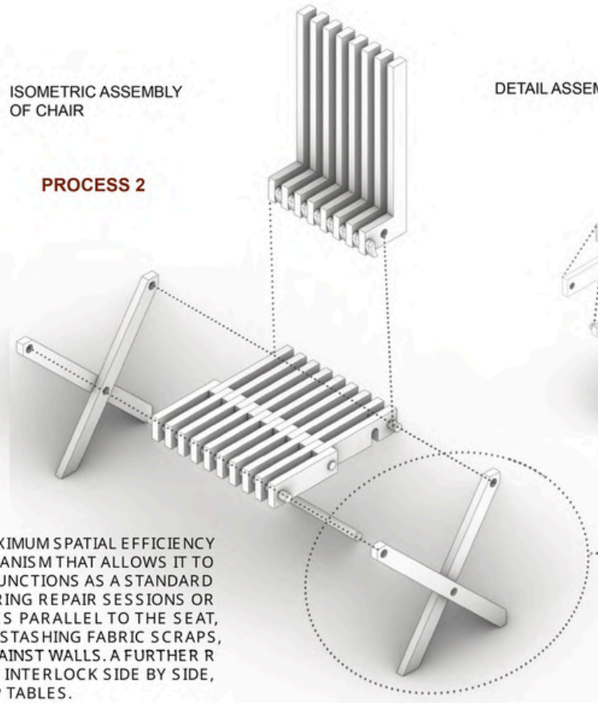
CHAIR FOLDING INTO BENCH

PROCESS 1



ISOMETRIC ASSEMBLY OF CHAIR

PROCESS 2



DETAIL ASSEMBLY

THE CONVERTIBLE CHAIR IS A HYBRID FURNITURE PIECE DESIGNED FOR MAXIMUM SPATIAL EFFICIENCY IN THE WORKSHOP ENVIRONMENT, FEATURING A SIMPLE MECHANICAL MECHANISM THAT ALLOWS IT TO TRANSFORM BETWEEN THREE DISTINCT STATES. IN ITS PRIMARY FORM, IT FUNCTIONS AS A STANDARD CHAIR WITH A COMFORTABLE SEAT AND BACKREST FOR INDIVIDUAL USE DURING REPAIR SESSIONS OR COMMUNITY GATHERINGS. WHEN FOLDED FLAT, THE BACKREST COLLAPSES PARALLEL TO THE SEAT, CONVERTING THE ENTIRE UNIT INTO A SHALLOW STORAGE BOX—IDEAL FOR STASHING FABRIC SCRAPS, SMALL TOOLS, OR PERSONAL BELONGINGS BENEATH WORK SURFACES OR AGAINST WALLS. A FURTHER R OTATION OF THE SAME HINGE MECHANISM ALLOWS TWO FOLDED CHAIRS TO INTERLOCK SIDE BY SIDE, FORMING A STURDY BENCH FOR PAIRED SEATING OR EXTENDED WORKSHOP TABLES.

STEP 1

STEP 2

STEP 3

STEP 4

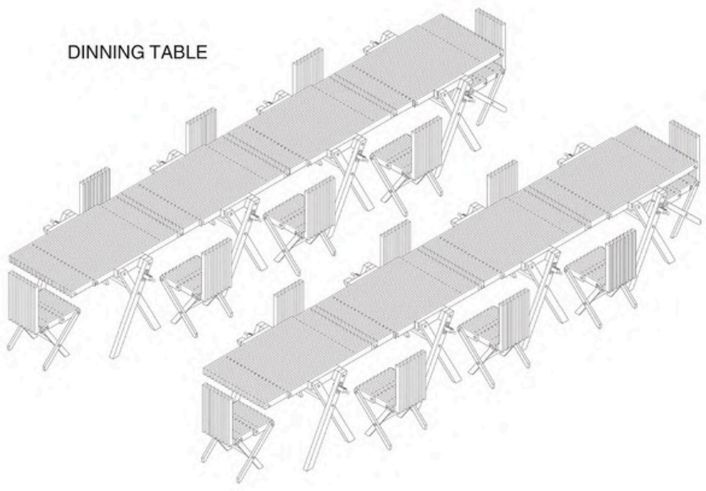
STEP 5

MARKETPLACE SETUP

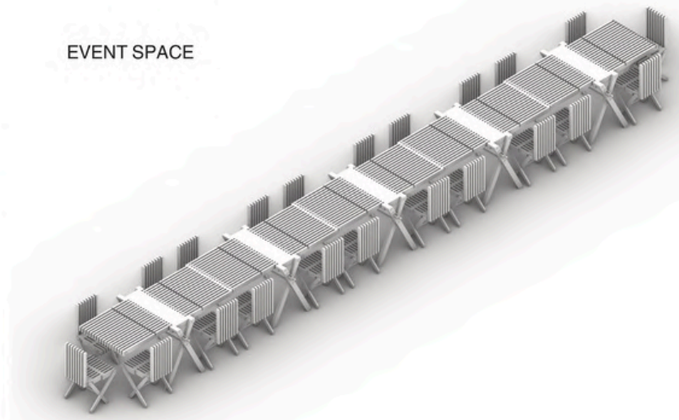
AN ADDITIONAL ELEMENT IS DESIGNED TO BE MOUNTED ON TOP OF THE CIVIC TABLE, TRANSFORMING IT INTO A NEW CONFIGURATION. WHEN ATTACHED, THE SYSTEM ADAPTS INTO A DISPLAY AND SALES PLATFORM, SUITABLE FOR MARKETPLACE ACTIVITIES.

THIS CONFIGURATION SUPPORTS PRODUCT DISPLAY, ARTIST SHOWCASES, AND TEMPORARY SALES IN EVENT SPACES OR OUTDOOR SETTINGS.

DINNING TABLE



EVENT SPACE



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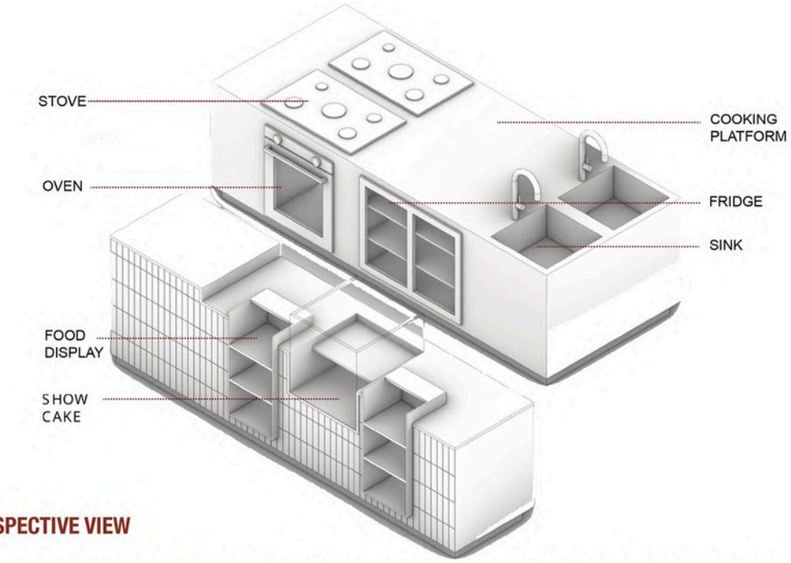
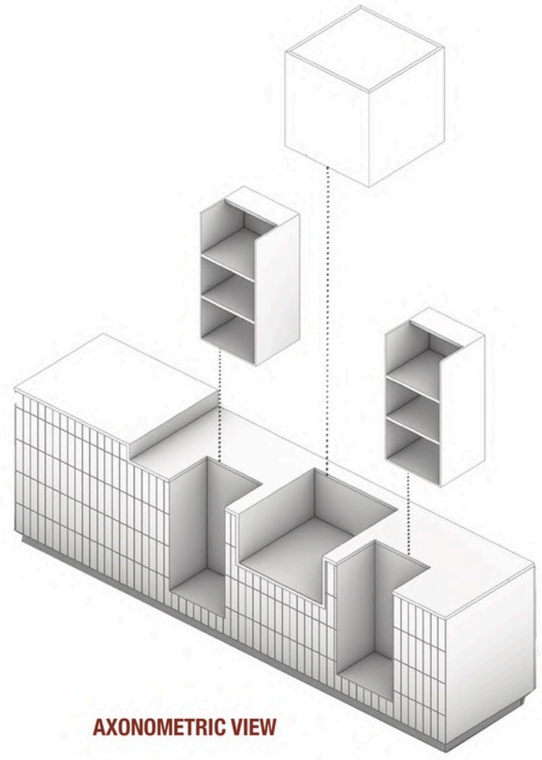
No prior experience is needed to cook alongside neighbors, mend a loose pot handle, while waiting for bread to rise. By embedding repair and reuse into the rhythms of food and conversation, the kitchen transforms domestic maintenance from an isolated chore into a collective practice where skills, stories, and sus- tenance are exchanged across generations, rooted in heritage, craft, and circular economy principles.



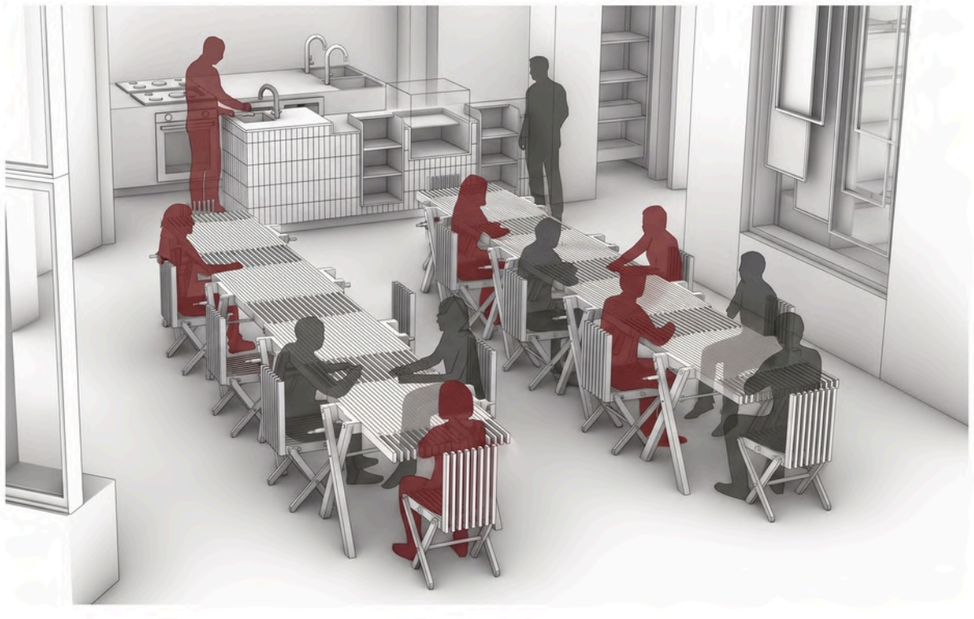
PERSPECTIVE VIEW

The community kitchen is a warm, social hub where food preparation and communal gathering intersect with everyday resourcefulness. Designed for inclusivity, it features a long communal table for shared meals and cooking sessions, as well as a small pantry area stocked with shared ingredients and material offcuts.



AXONOMETRIC VIEW

FRONT VIEW



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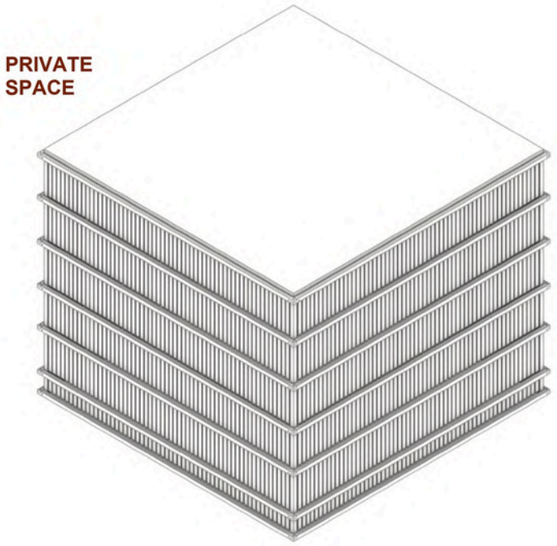
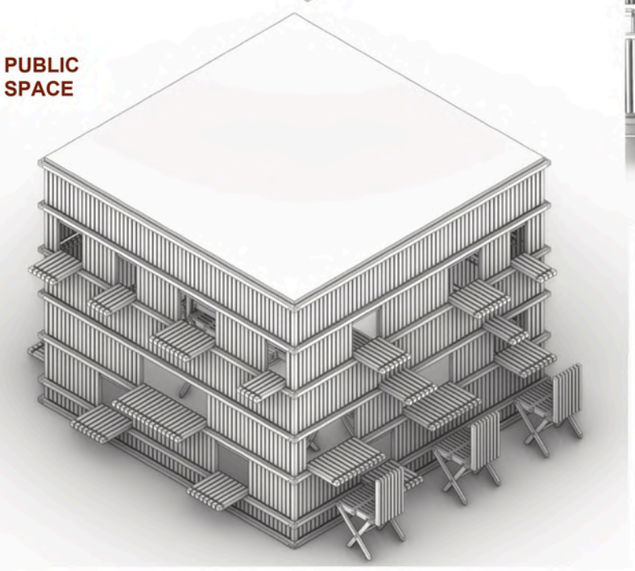
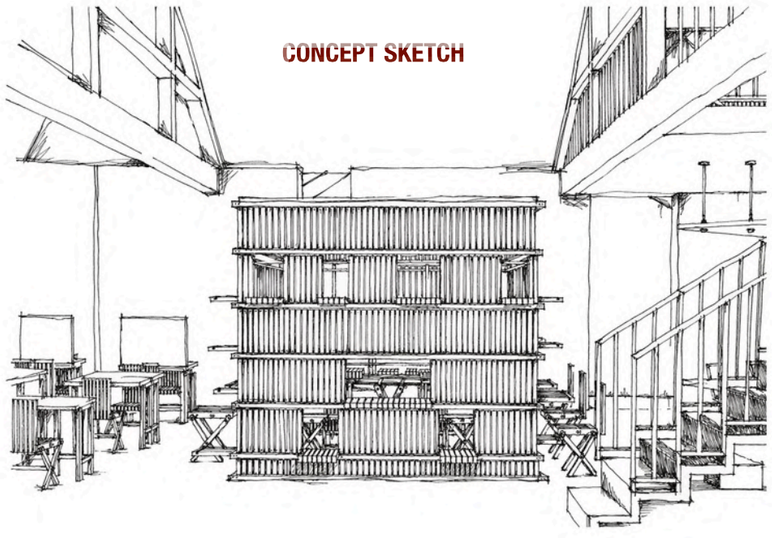




VIEW

Within the co-working zone, activities range from focused individual tasks like writing, coding, and remote work calls to collaborative sessions including project planning, client video conferences, and small team brainstorming. The space accommodates freelancers from the tate community seeking a productive alternative to home offices, students requiring quiet study environments, and local entrepreneurs hosting informal pitch meetings or prototype reviews.



CONCEPT SKETCH

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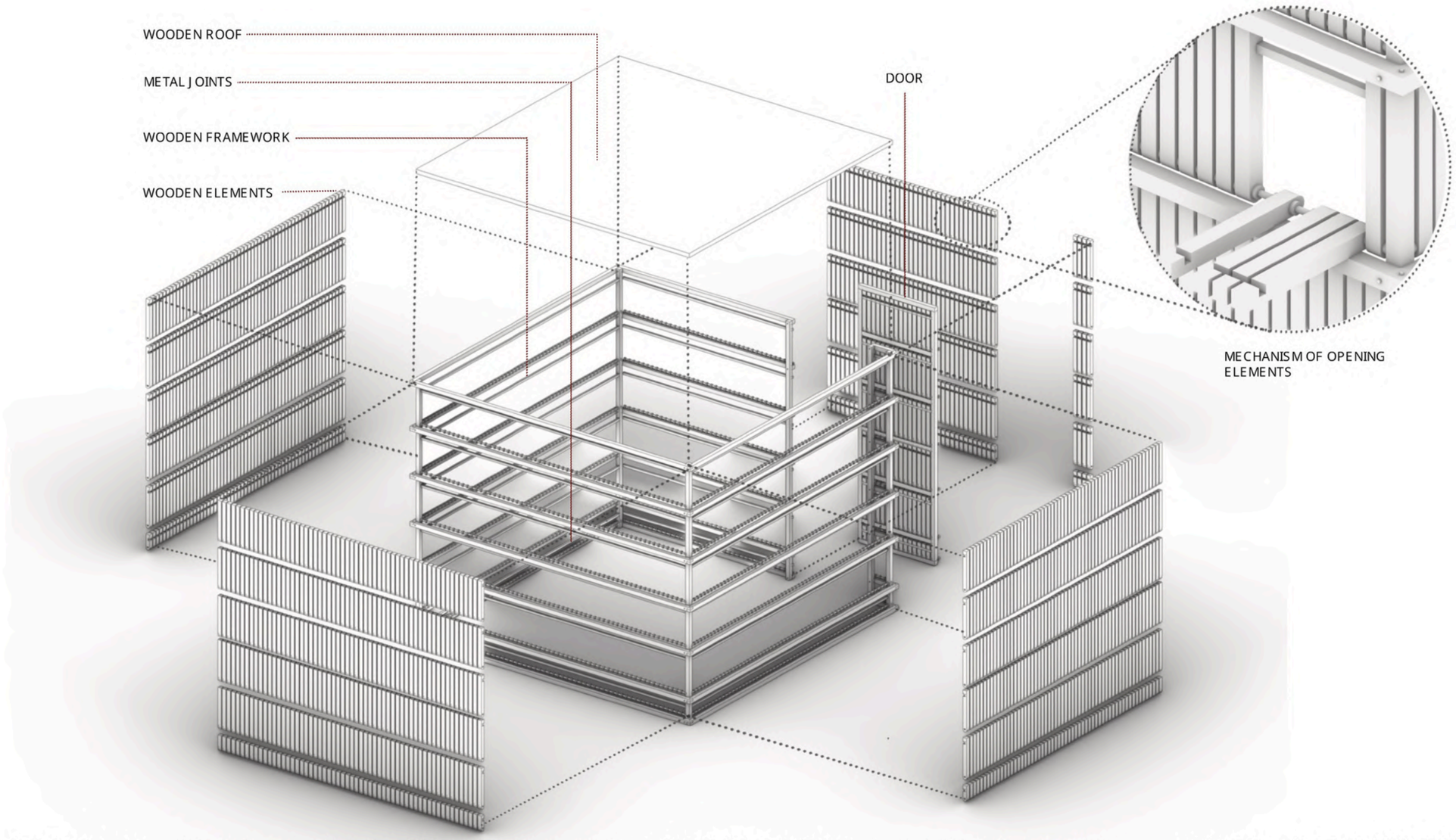

The Public Box operates as a spatial paradox: a transparent social beacon that draws people in while offering nested layers of retreat. Externally, it presents as an open civic hub a glazed ground-floor volume with a generous threshold, communal seating, and visible activity that invites passersby to linger, converse, or observe workshop life unfolding.

This outer shell performs the social function of connection, anchoring the streetscape and signaling inclusivity. Internally, the box contains a private meeting pod and quiet co-working area acoustically separated through careful material layering, thermal mass, and planted buffers rather than opaque walls so visual permeability is maintained without sonic intrusion.

The transition from public to private is graduated: a covered external bench bleeds into a shared foyer with hot-desking, which then compresses into focused pods for two-to-four-person meetings, and finally a hushed individual nook for concentrated work. This nested configuration allows a single compact footprint to serve multiple civic needs simultaneously, embodying the principle that privacy need not mean isolation and that public life benefits from the quiet labor happening just behind its surface.

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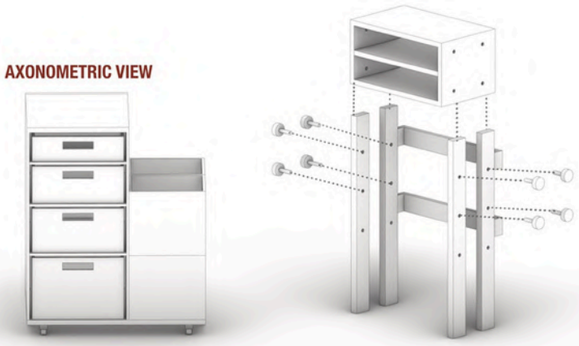
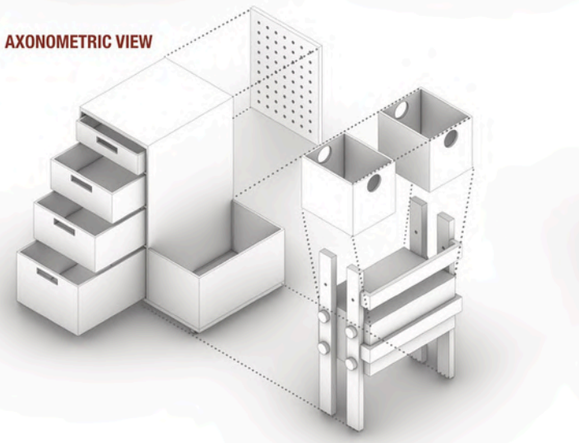
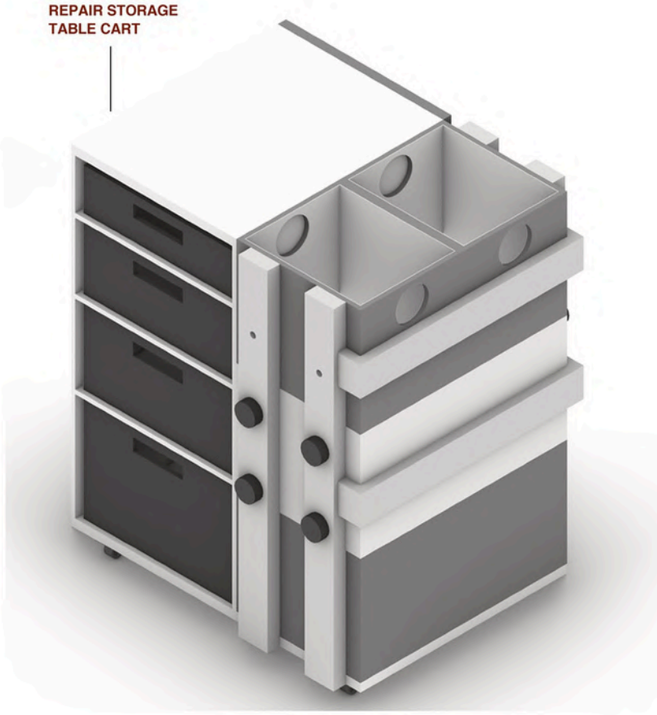
AXONOMETRIC VIEW



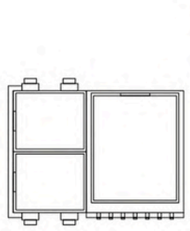
AXONOMETRIC VIEW



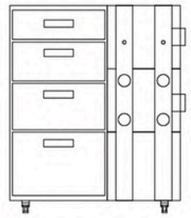
REPAIR STORAGE TABLE CART



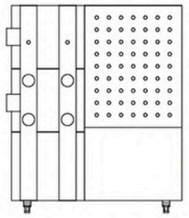
Each cart contains a complete, category-specific tool kit, allowing users to move, share, or borrow tools and perform repairs independently within the space. Each cart is dedicated to a specific repair type: cart 1 belongs to soft repair (textile + bags), cart 2 belongs to small object repair, cart 3 belongs to basic electronics (limited), and cart 4 belongs to learning / student repair. The system transforms the workshop into a flexible repair ecosystem, where tools, users, and activities continuously adapt and move.



MOBILE CART PLAN
SCALE 1:100



MOBILE CART FRONT ELEVATION
SCALE1:100

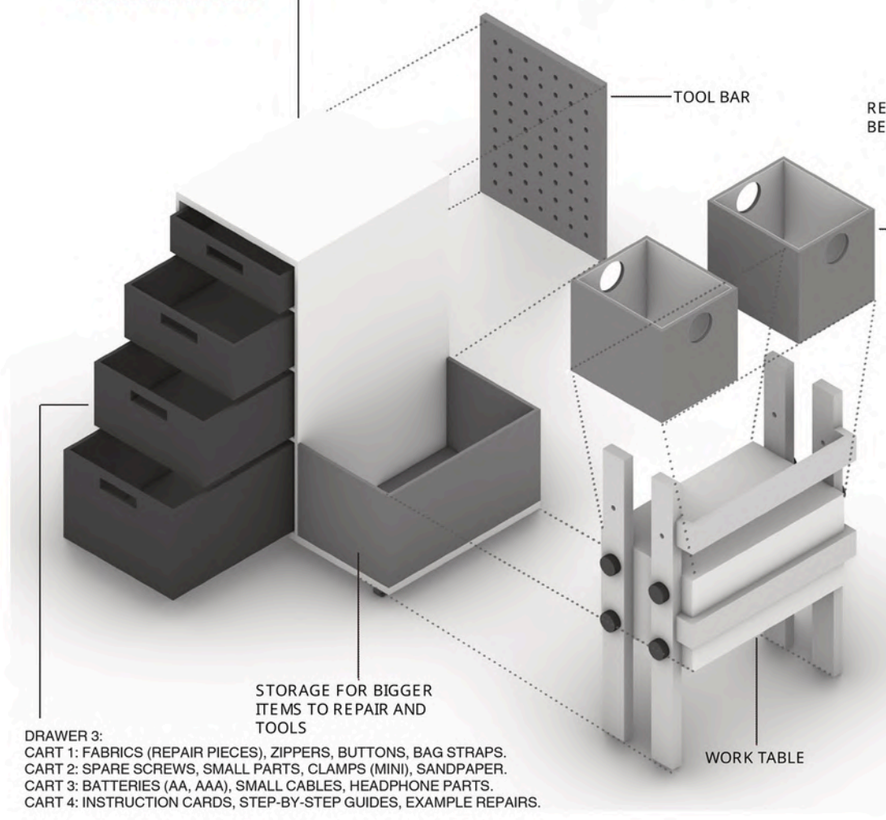


MOBILE CART BACK ELEVATION
SCALE1:100

DRAWER1:
CART 1: NEEDLES, THREADS, PINS, MEASURING TAPE.
CART 2: SCREWDRIVERS (SET), HEX KEYS, SMALL PLIERS.
CART 3: PRECISION SCREWDRIVERS, CABLE TESTERS.
CART 4: SIMPLE TOOLS, SMALL SCREWDRIVERS,GLUE.

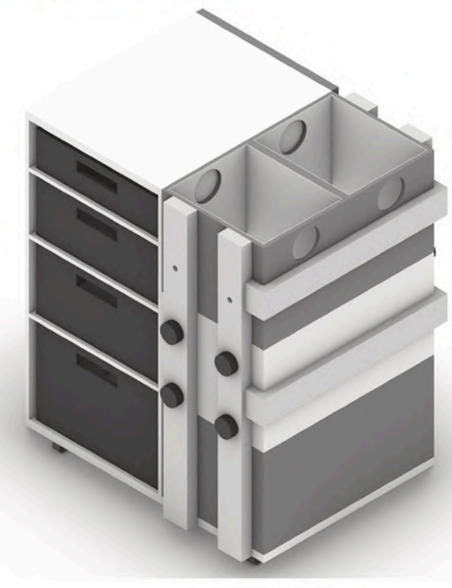
DRAWER 2:
CART 1: SCISSORS (FABRIC), SEAM RIPPER, SMALL CUTTING MAT, CHALK.
CART 2: ADJUSTABLE WRENCH, HAMMER (SMALL), GLUE, TAPE.
CART 3: WIRE CUTTER, INSULATION TAPE, CONNECTORS.
CART 4: PRACTICE KITS: FABRIC PIECES, BROKEN ZIPPERS, BUTTONS, TOY PARTS.

AXONOMETRIC VIEW



DRAWER 3:
CART 1: FABRICS (REPAIR PIECES), ZIPPERS, BUTTONS, BAG STRAPS.
CART 2: SPARE SCREWS, SMALL PARTS, CLAMPS (MINI), SANDPAPER.
CART 3: BATTERIES (AA, AAA), SMALL CABLES, HEADPHONE PARTS.
CART 4: INSTRUCTION CARDS, STEP-BY-STEP GUIDES, EXAMPLE REPAIRS.

MECHANISM OF SHELVES



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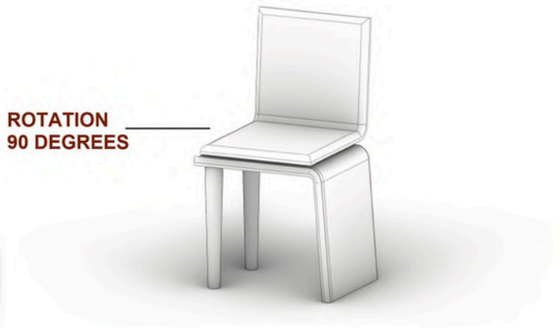
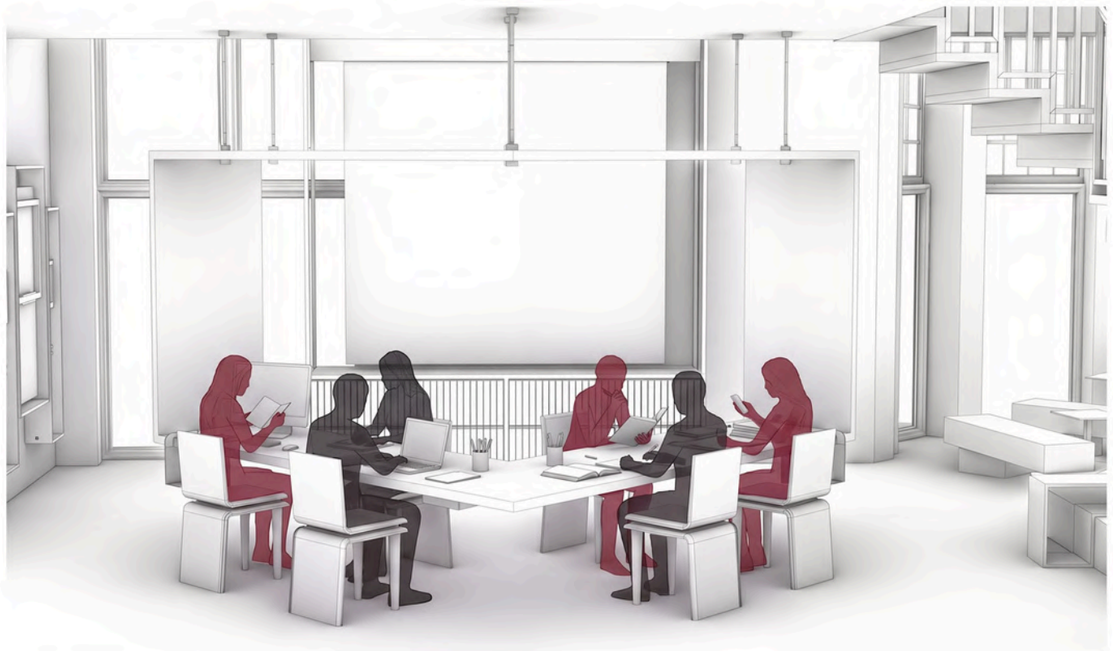
ROTATING CHAIR



The collaboration zone is designed as a suspended furniture system, hung from the main structure using a cable framework, creating a floating deck-like space. This area functions as a network zone, startup hub, and creative loft, supporting meetings, brainstorming sessions, and collaborative work.
A video projector is integrated into the space for presentations and shared visual engagement. The triangular geometry of the table eliminates the dead zones typically found in rectangular tables, allowing more fluid interaction and equal access from all sides. The chairs are designed to rotate 90 degrees from each side, enabling easy access and interaction without the need to reposition, allowing users to connect and collaborate effortlessly.



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CO-WORKING MIX MEDIA

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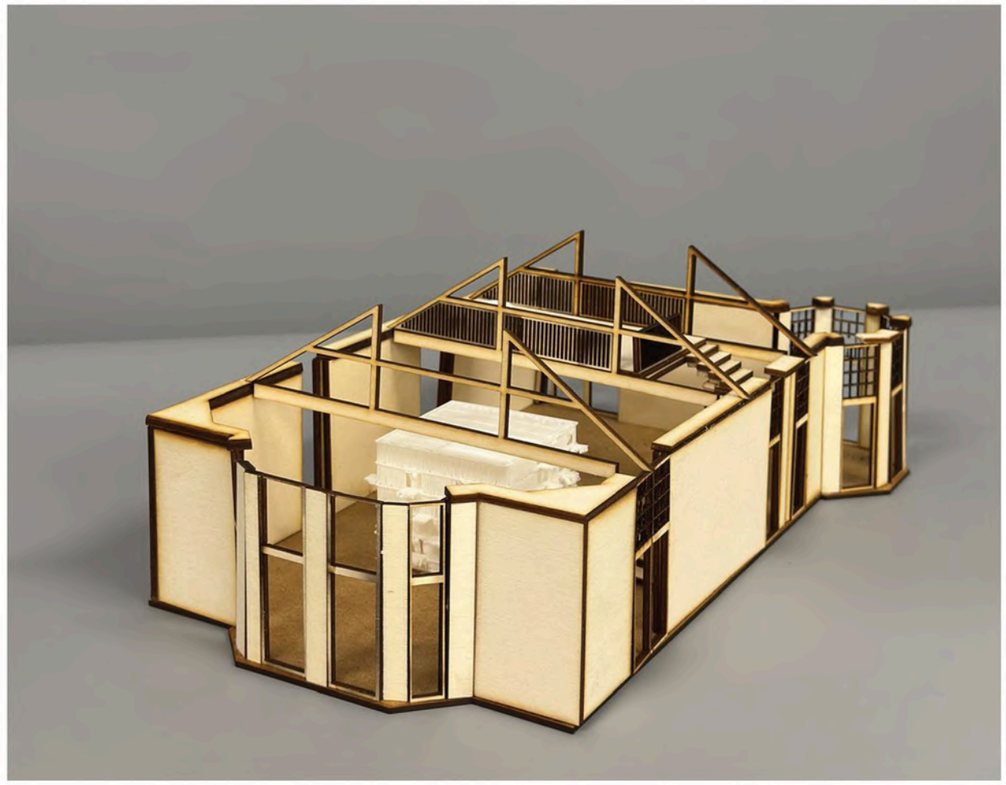
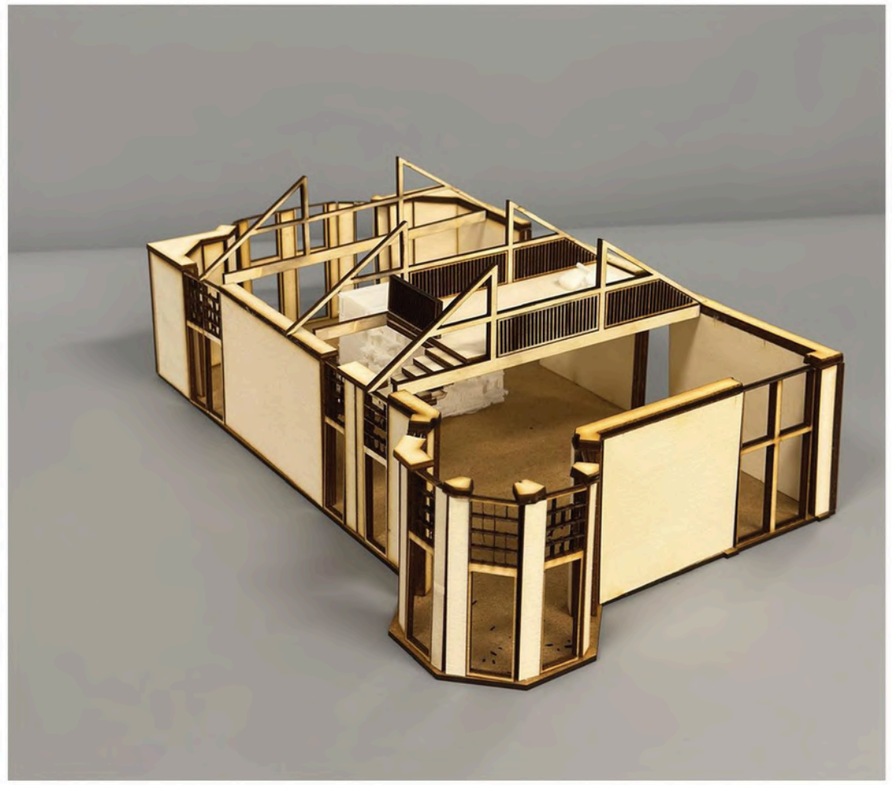
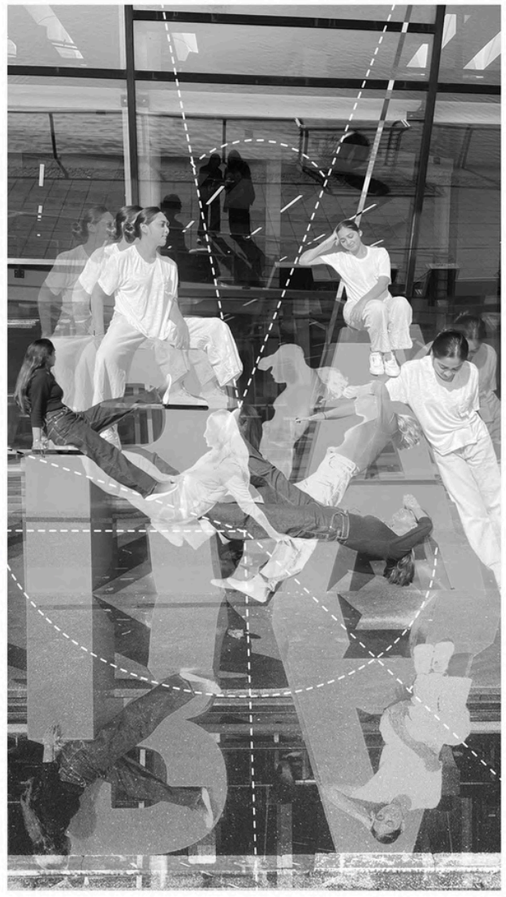




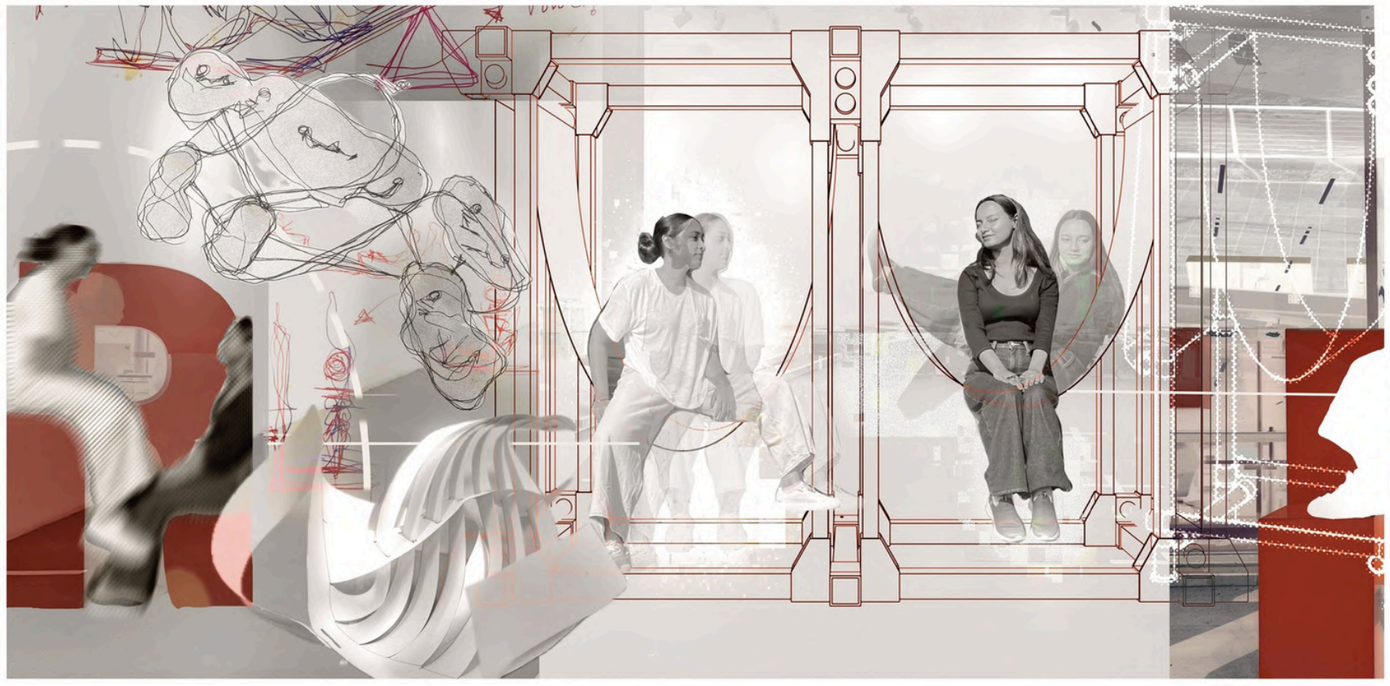
DIALOUGE

Exploring **POWER BALANCE** through **BODY EXTENSIONS**

The structure of a design influences power balance by guiding how the body extends, leans, and forms angles while interacting with it. Elevated, rigid, or angular structures encourage upright or stretched postures that feel controlled and powerful, while curved or flexible structures allow the body to recline, bend, and relax, shifting power through softer extensions. Changes in height, slope, and support points affect the body's center of gravity, creating balance, tension, or instability.

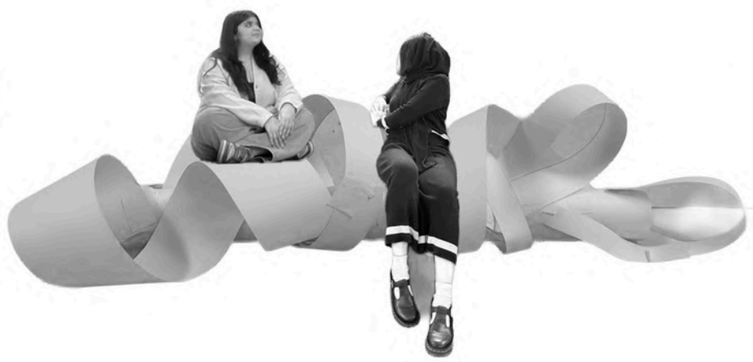


Power balance created by body extensions and angles strongly influences the structure, stability, and expression of a design, whether the design is a character, product, building, vehicle, or visual composition.



DIALOUGE

CONCEPT EXPLORATION THROUGH PAPER MODEL



1. LEVELS
Hierarchy - Structure

Stepped levels create hierarchy and structure. Height differences influence power dynamics. The surfaces arrangement guide how bodies sit and interact.

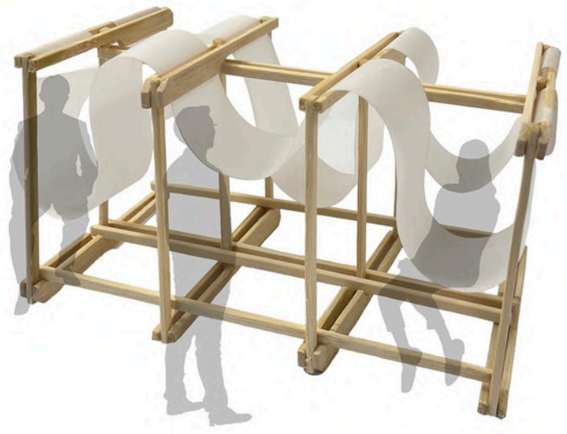
2. ORGANIC SHAPE
Curved - Flexible

Organic shape create curved backs, bent spines, and varied leg positions. The body settles into the form rather than sitting on it, encouraging informal, dynamic postures.

3. FLOWING FORMS
Fluid - Adaptable

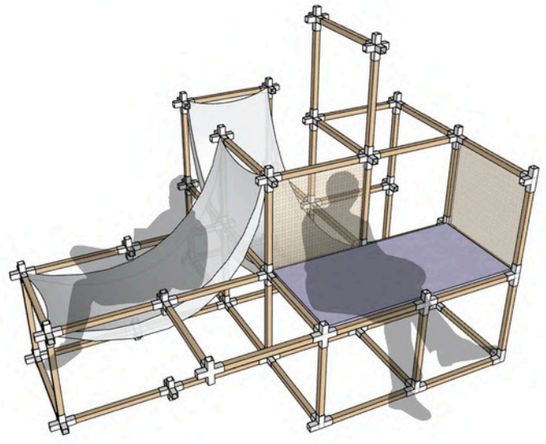
Flowing forms encouraging the body to strecth, recline, and adjust rather that sit upright. How fluid structures can shape extended positions, adaptable ways of sitting.

CONCEPT DESIGN 1



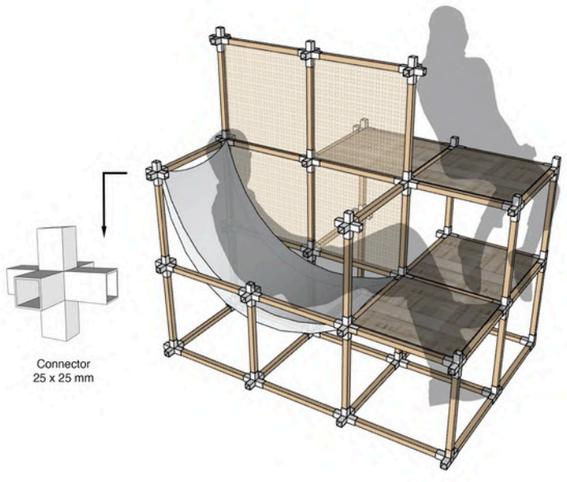
KEYWORDS
Combining Addition, Position and Levels as Power Dynamics

CONCEPT DESIGN



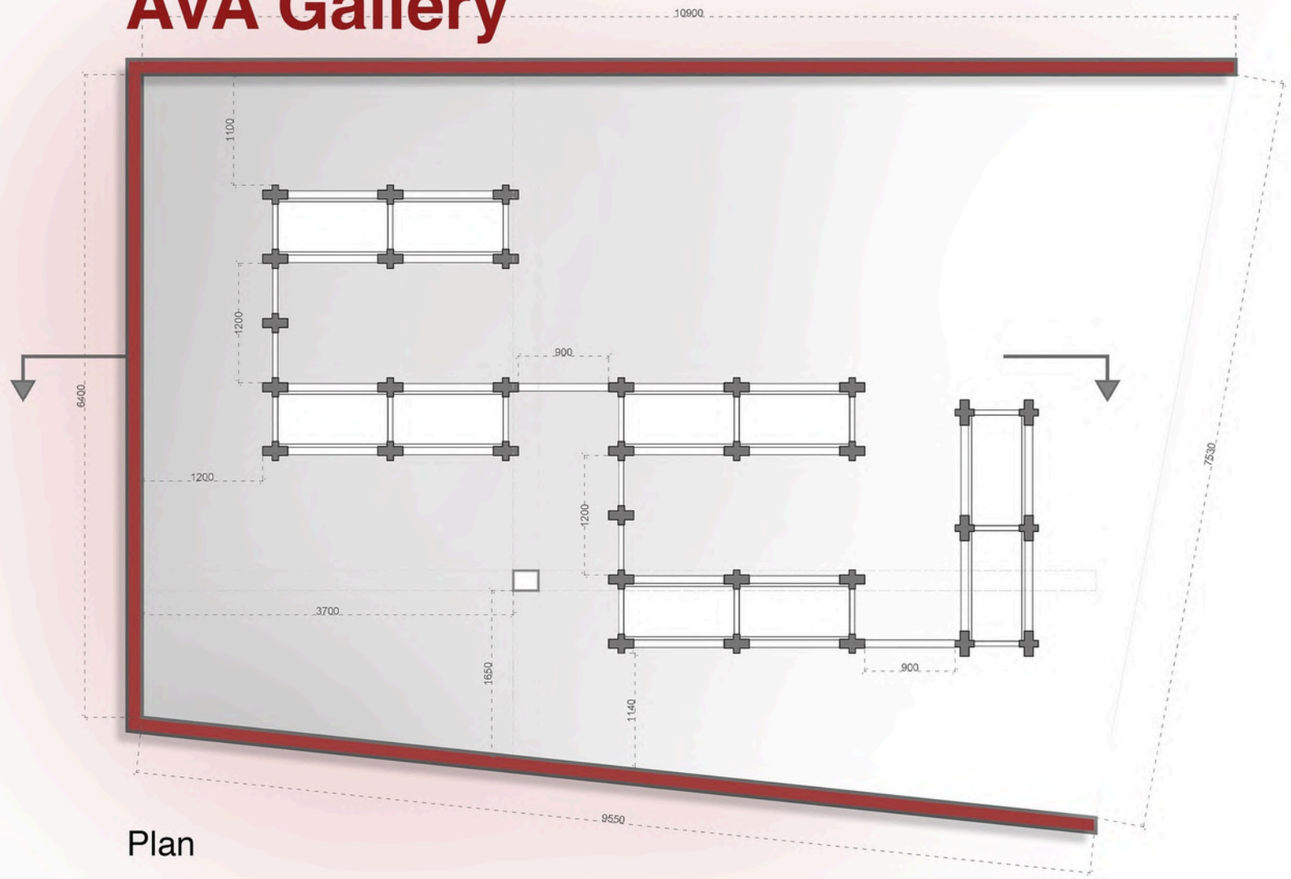
KEYWORDS
Exploring transformation and combination with Modular Joints

CONCEPT DESIGN

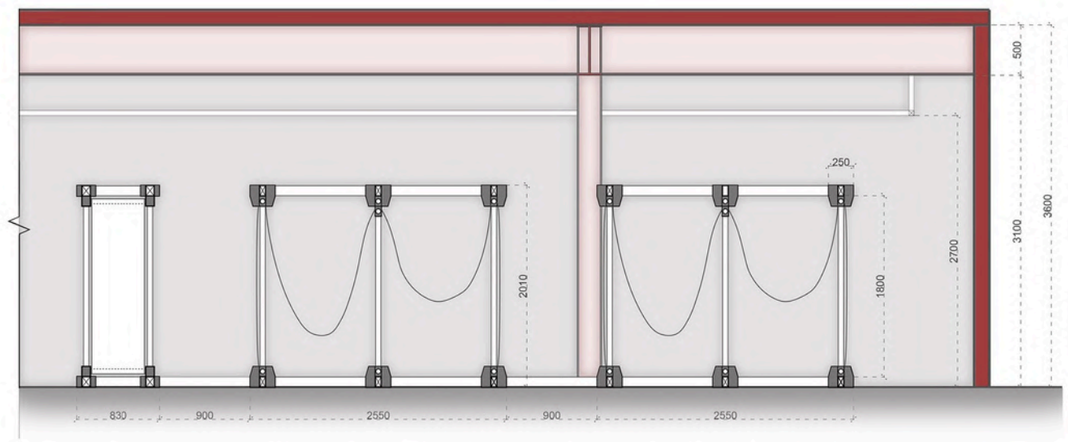


DIALOUGE

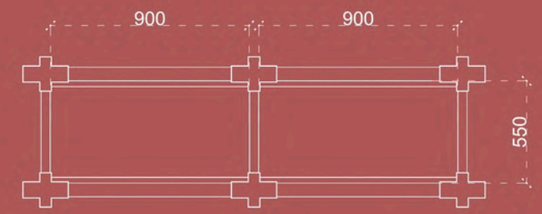
AVA Gallery

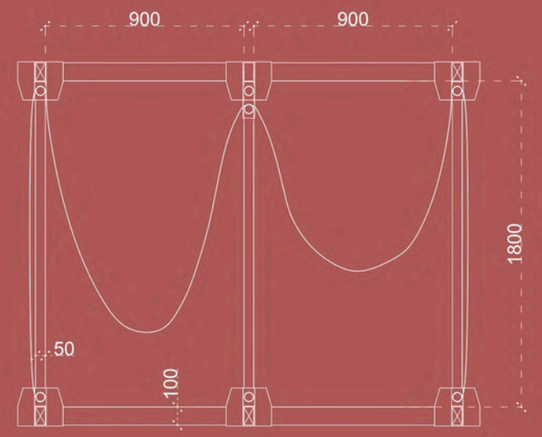


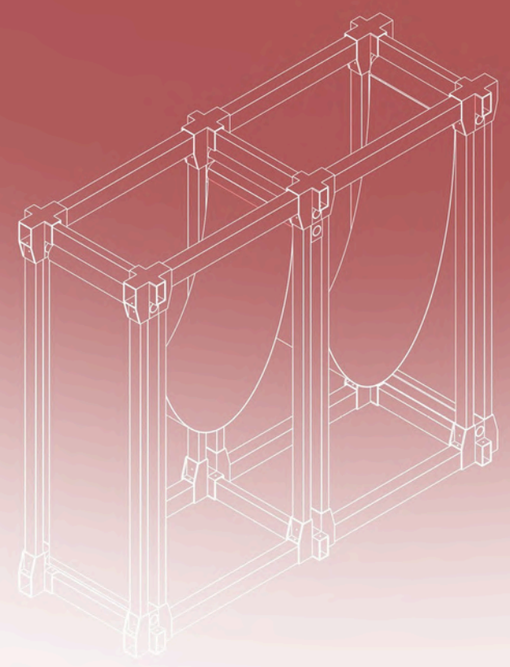
Plan



Section







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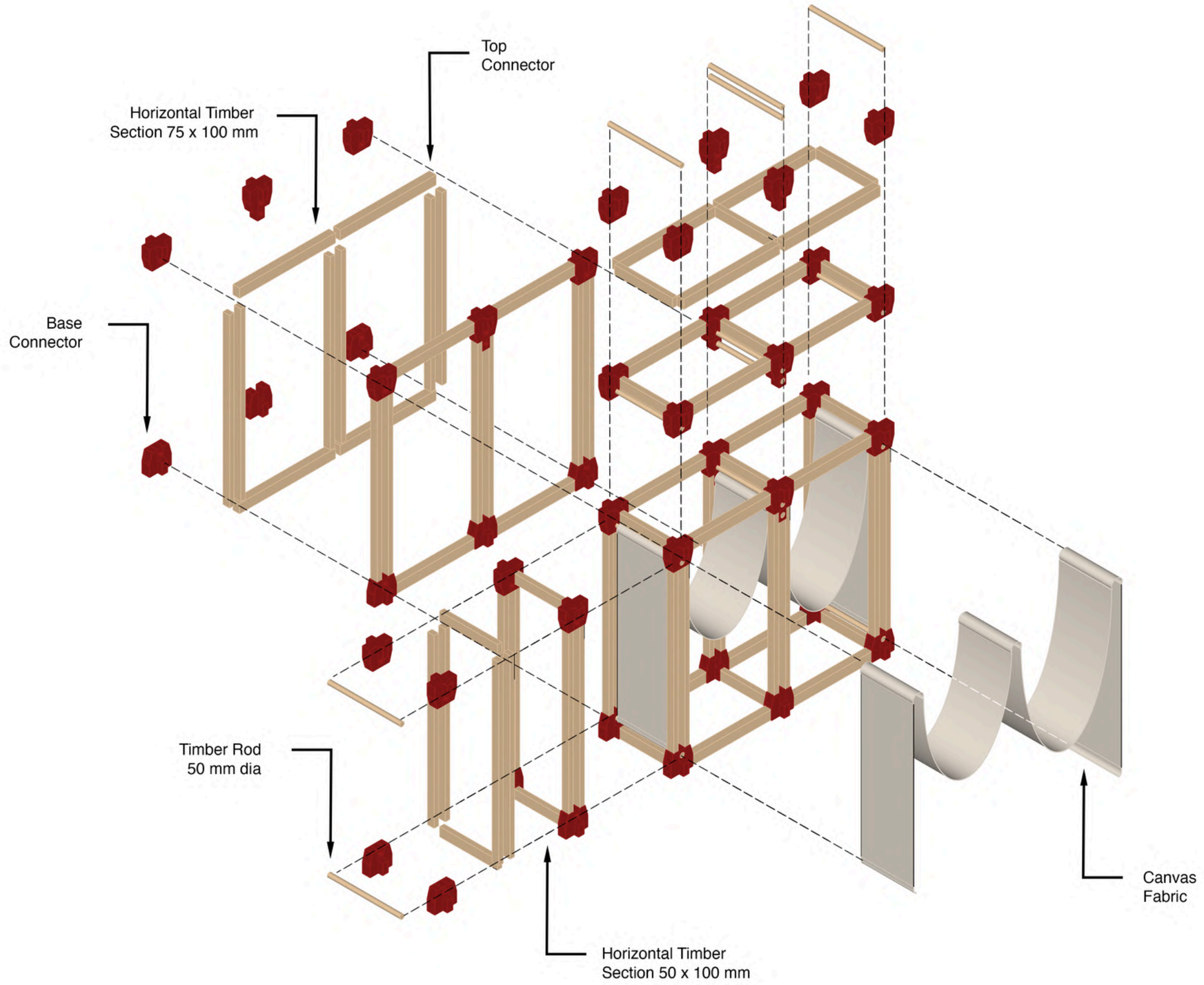
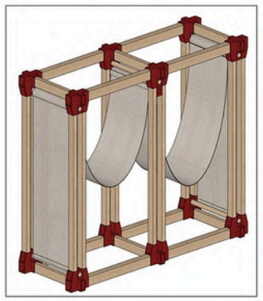
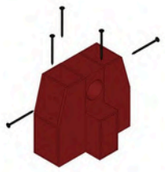
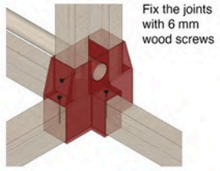

Top
Connector
Horizontal Timber
Section 75 x 100 mm
Base
Connector
Timber Rod
50 mm dia
Horizontal Timber
Section 50 x 100 mm
Canvas
Fabric

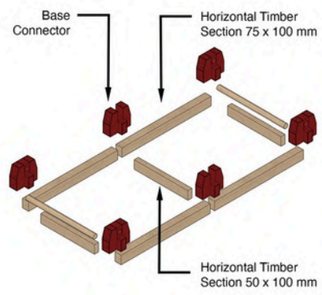
DIALOUGE

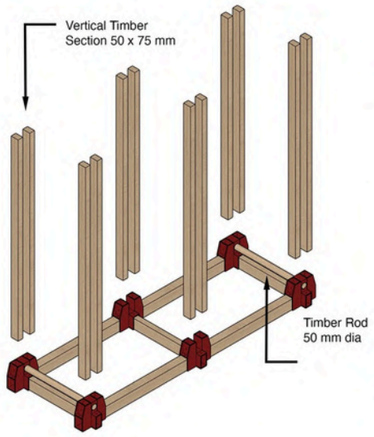
Structure Assembly Guide

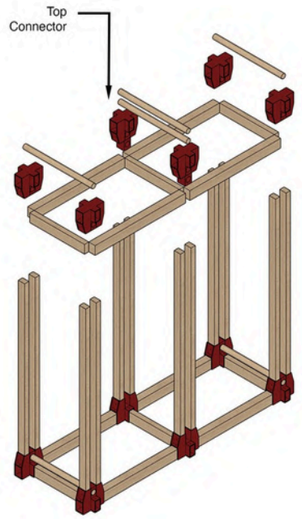


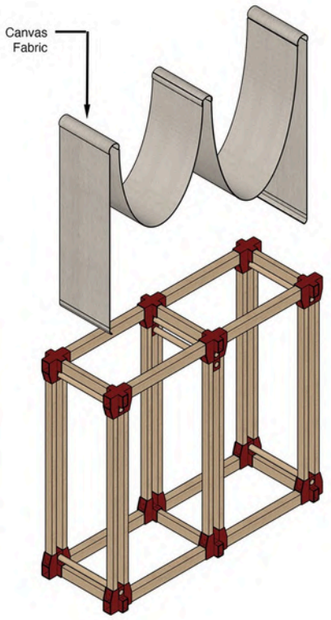










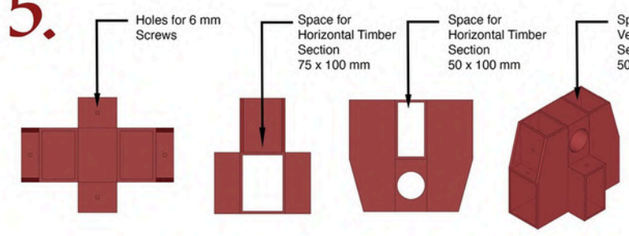


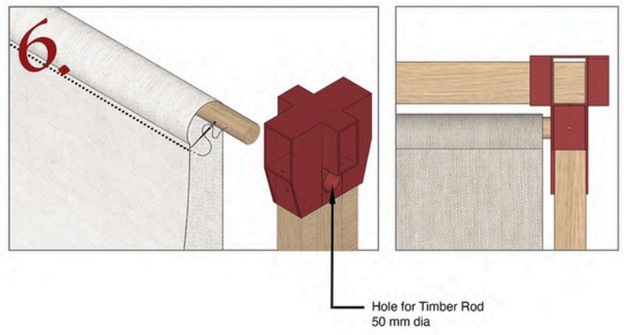
1. Base Assembly

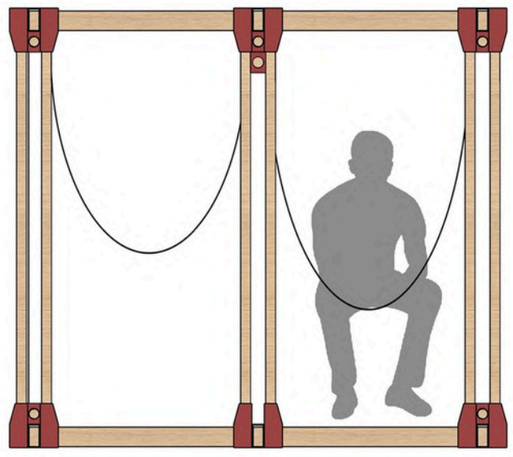
2. Vertical Assembly

3. Top Assembly

4. Fabric Assembly







5. 3D Printed Plastic Connector Details

6. Fabric Rod Connection

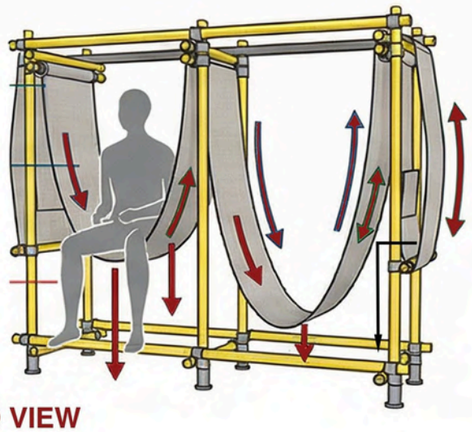
7. Installation Front View

8. Installation Side View

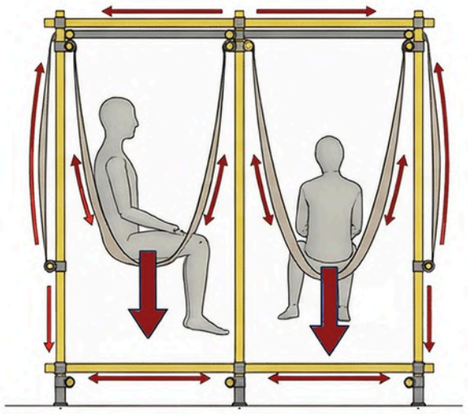
DIALOUGE

1:1 SCALE MODEL

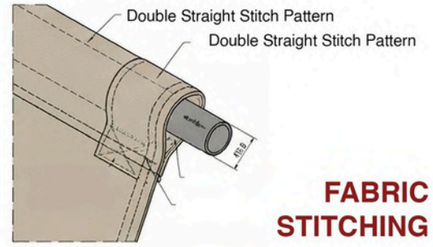
HUMAN SCALE MODEL TO TEST AND ACHIEVE PROOF OF CONCEPT



3D VIEW

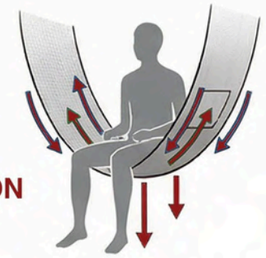


ELEVATION



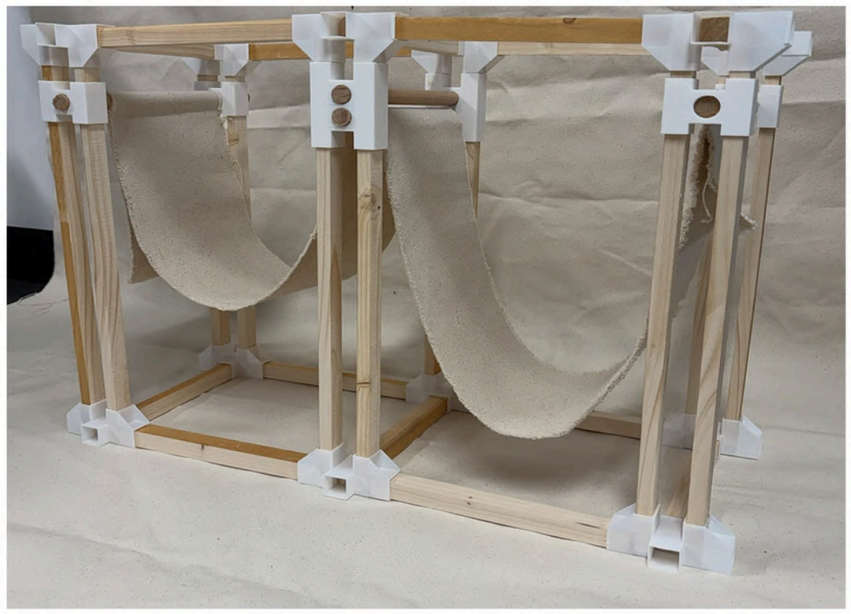
FABRIC STITCHING

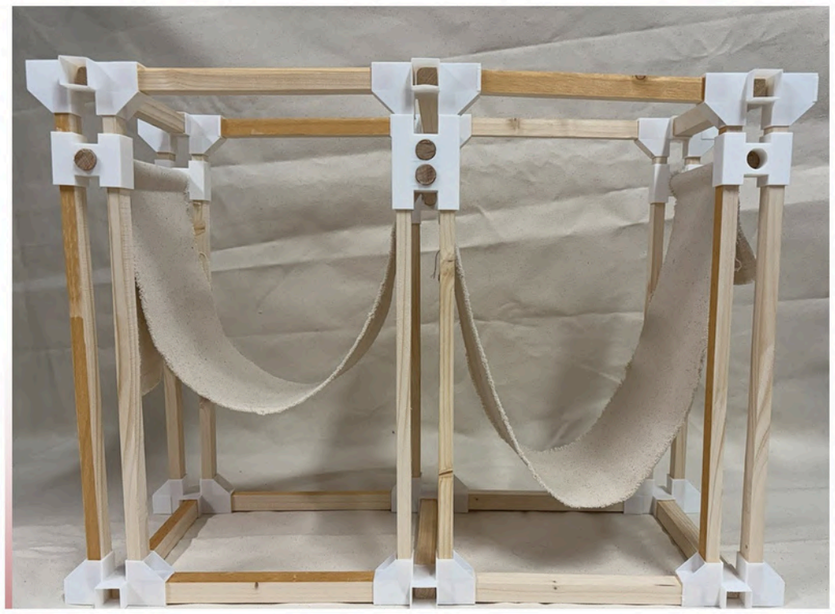
WEIGHT DISTRIBUTION



Metal instead of wood is used to construct the structure with scaffolding pipes to test strength and proof of concept. This allows evaluation of how the system carries load and distributes weight, demonstrating that the fabric can safely support two people. The combination of rigid metal and flexible fabric reveals a clear power balance: the structure provides stability while the fabric responds to the body.

1:4 SCALE MODEL





DIALOUGE

Assembly Process of the Installation

Estimated Time of Assembly 02 hours 16 minutes

bit.ly/InstallationAssemblyTesting