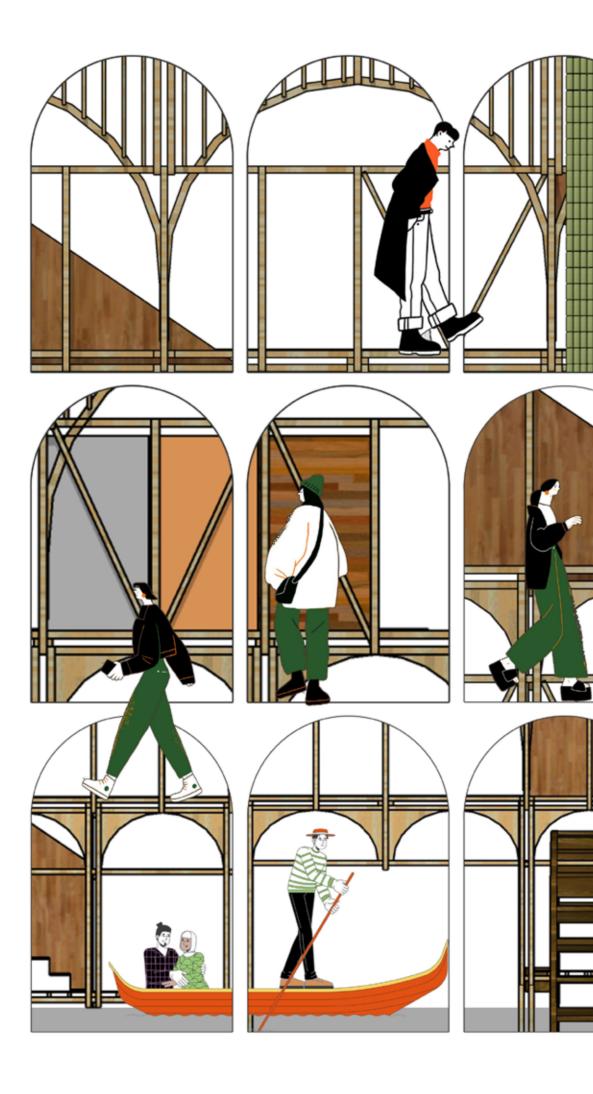
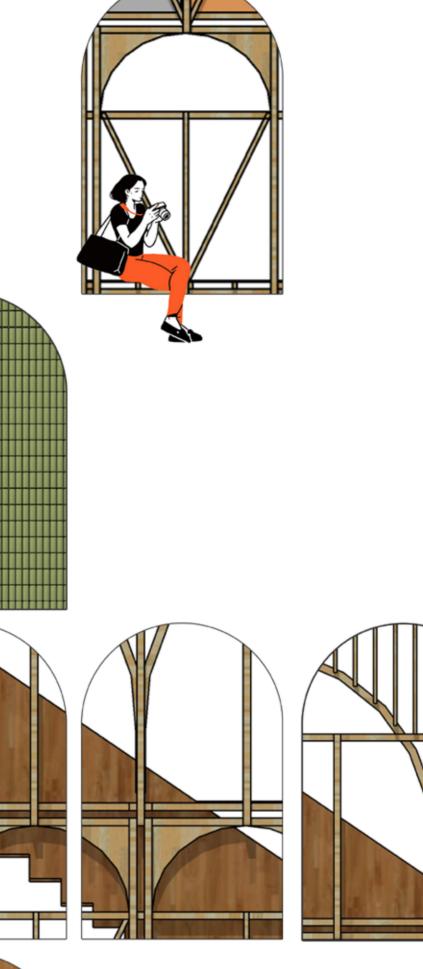
MOVING STORIES

HOW CAN USER-GENERATED DESIGN LANGUAGES BE INTEGRATED TO TRANSFORM URBAN CORRIDORS IN CANTERBURY?





PORTFOLIO

CARD7035 : MA ARCHITEWCTURE/ FINAL REALISATION 23/24 UNIVERSITY FOR THE CREATIVE ARTS | CANTERBURY

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STORIES OF THE CORRIDOR



Seasonal festivals

River punting

Graffiti/street art

Creative initiatives

ABSTRACT

Understanding socio-spatial behaviors and patterns, how people interact and use space in a social context. Creating a new architectural design language is a multifaceted task that involves navigating challenges while capitalizing on opportunities for innovation, cultural expression, sustainability, and community engagement. Designing incomplete structures requires a strategic and thoughtful approach that balances current functionality with future potential.

Key words

User stories

User generated designs

Urban corridors

Street performers

Window displays

Canterbury

Design languages

DESIGN PROGRAMME

DESIGN DIRECTIVES

01.



BALANCING TOURISM AND RESIDENT NEEDS

Difficulty navigating crowded spaces, especially for families with strollers. Limited availability of public restrooms. Traffic congestion and parking difficulties during festivals.

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02.

VANDALISM/ UNWANTED GRAFFITI

Unwanted or offensive graffiti upsetting some viewers.

Difficulties differentiating between sanctioned street art and vandalism.

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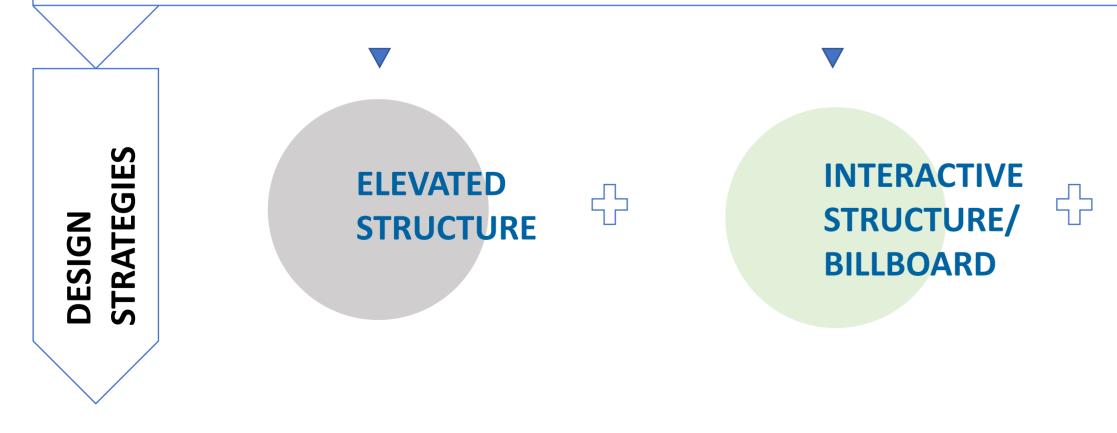




The materials are intended to create a strong visual link across the site, while also remaining sensitive to the historic structure.



Potential to stop vandalism graffiti art in Canterbury, engage user interactive ideas canvas/ billboard



03.

LACK OF SPACE FOR SEATINGS GROUP DISCUSSIONS, WORKSHOP AND RESEARCH

They don't have proper place to stay research and group works Lack of Co working space

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04.

RIVER CORRIDOR

Seasonal work (April – September) Lack of visitors in September to February



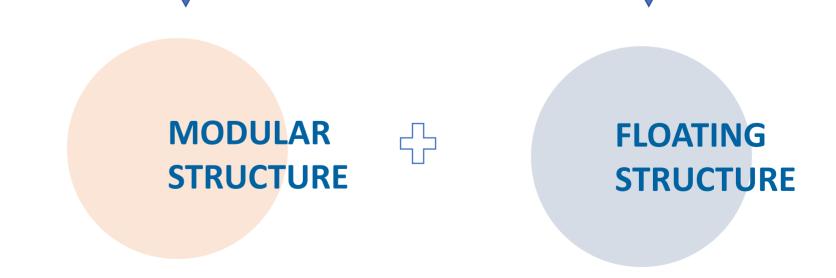


Allows direct pedestrian connection from street level, bridges the road and recreational space – all while creating new spatial possibilities for cultural events and gatherings.



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Relates to the river corridor and enhance the relationship with visitors



DESIGN PROGRAMME

RESEARCH METHODOLOGY & ANALYSIS

CASE STUDIES:

Analyze successful implementations of

focusing on material choices, design

modular walkways in other historic cities,

aesthetics, and community engagement.

LITERATURE REVIEW

Explore existing research on modular walkways, temporary structures in historic cities, and sustainable urban

design principles.



SITE ANALYSIS:

Identify potential locations in Canterbury where modular walkways could be beneficial, considering pedestrian traffic patterns, construction zones, and areas earmarked for development.



PUBLIC INTERVIEW QUESTIONER:

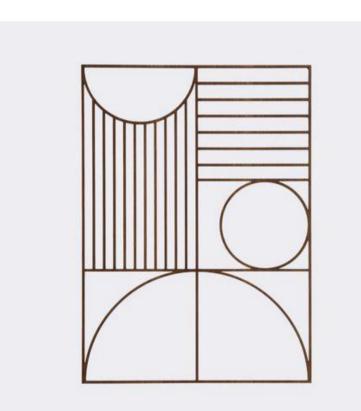
Conduct surveys and interviews to understand public perception of modular walkways and gather community design preferences.

DESIGN DEVELOPMENT

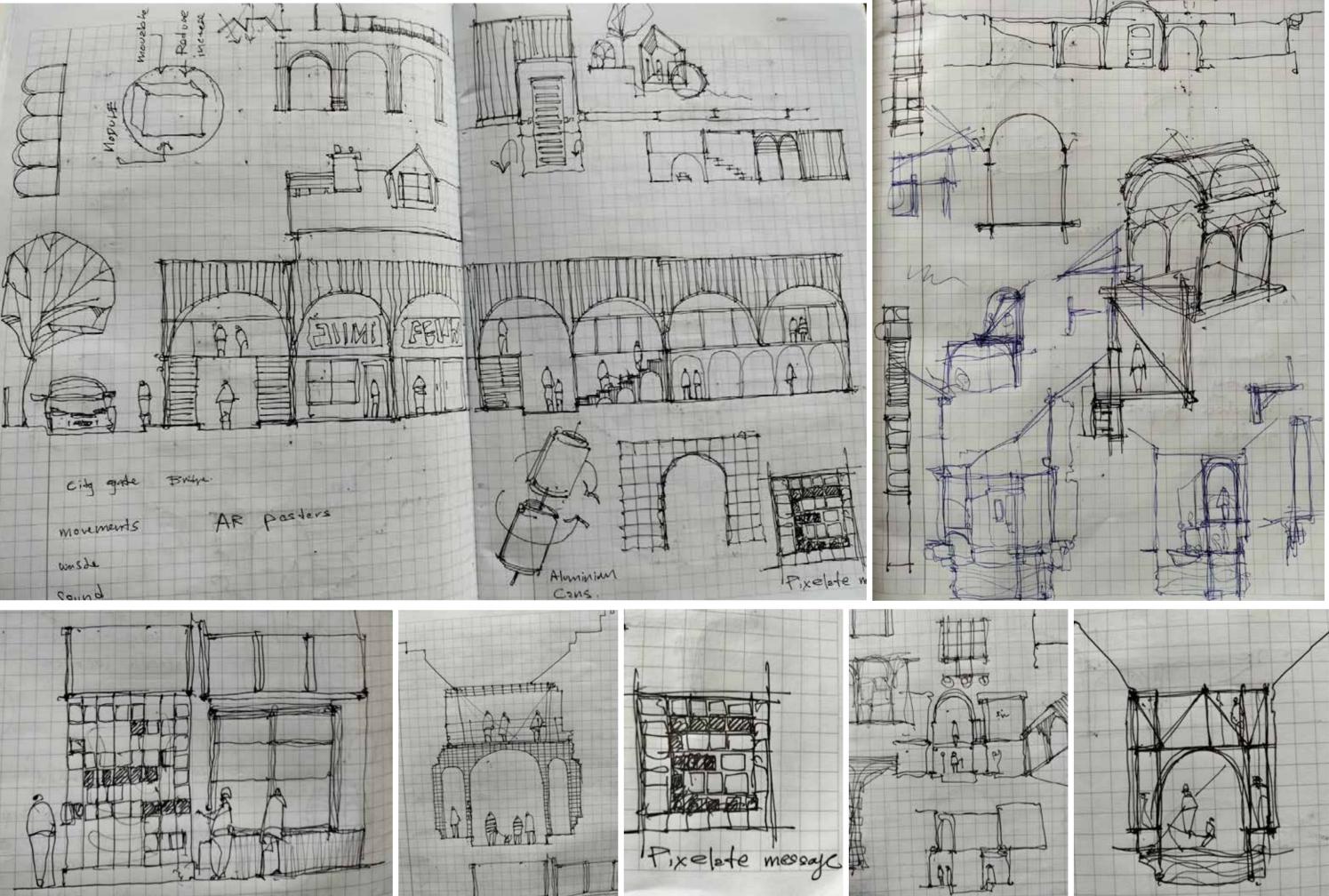
Design inspirations

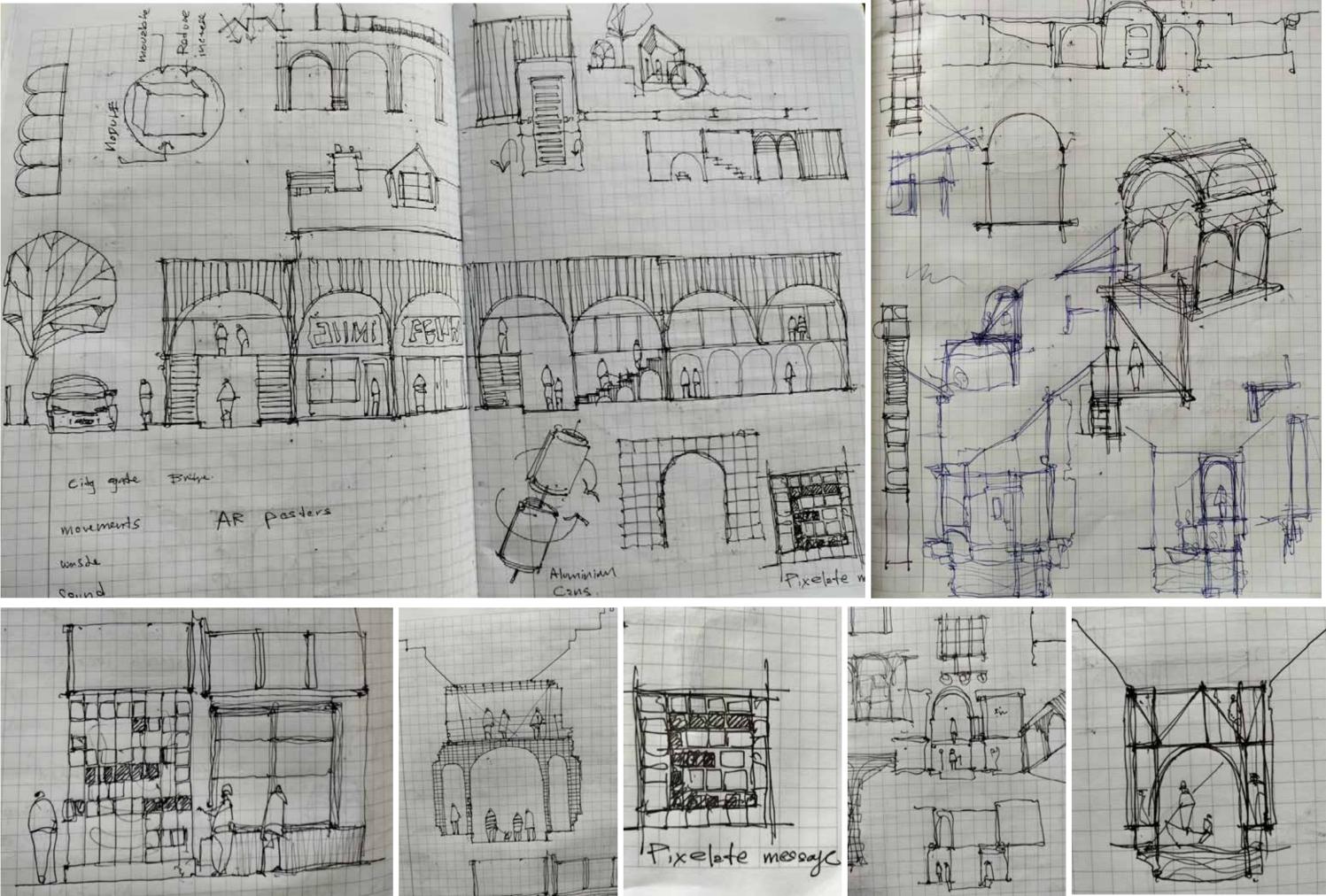


Medieval facades

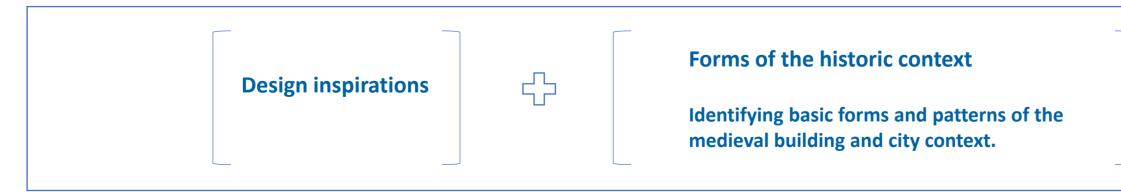


Forms of the historic context



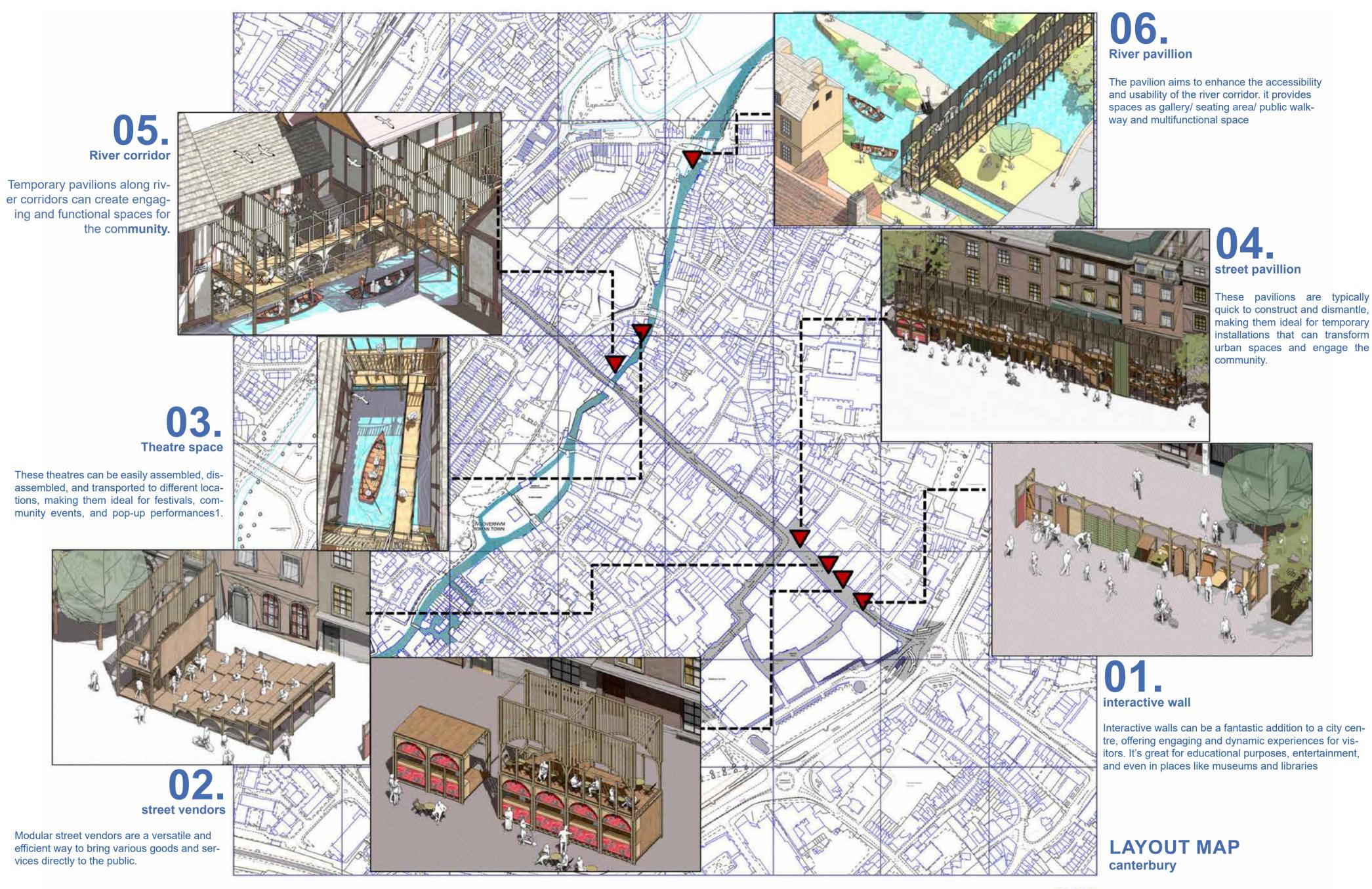


Free hand sketches





MASTER PLAN



SCALE 1:1000

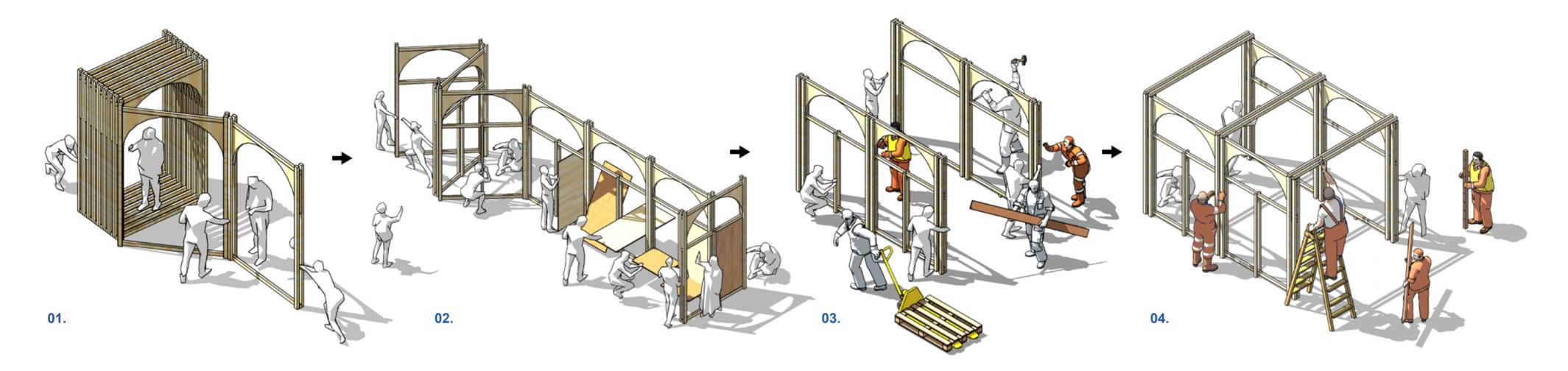
MASTER PLAN

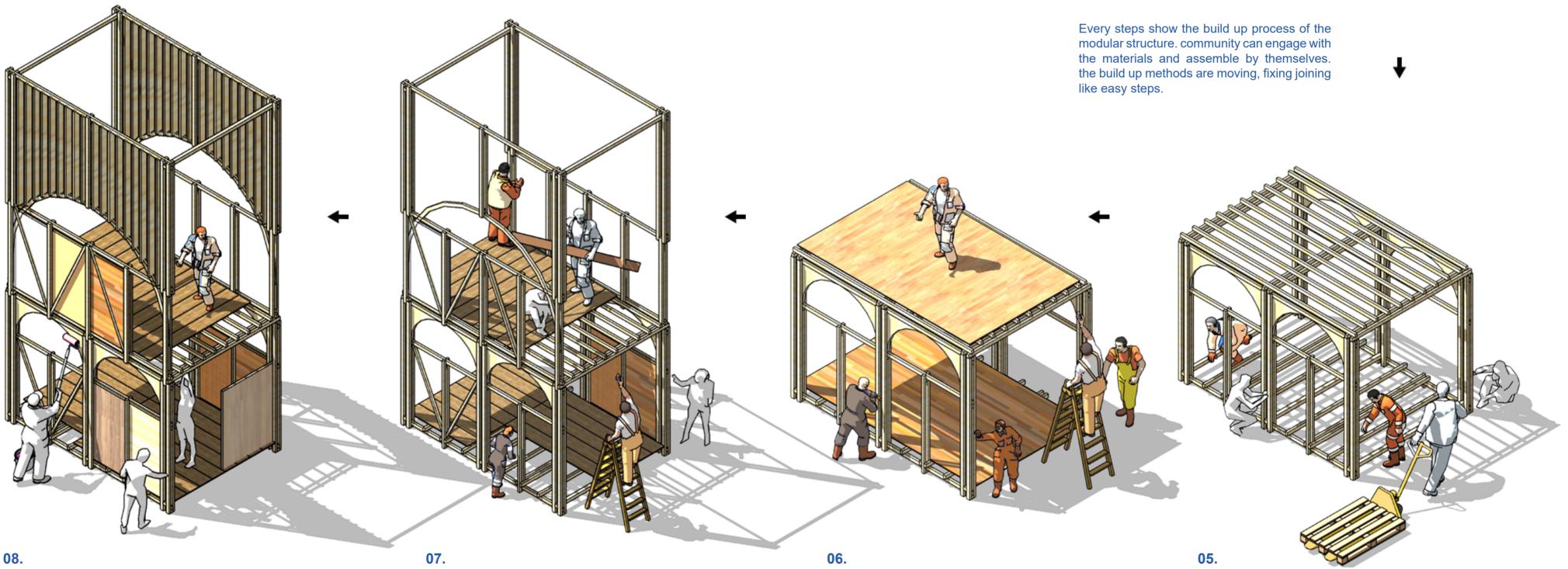




The basic form of the module is a **Arch** which is inspired from the context. This prima-ry form works as a generative form to build the related modules.

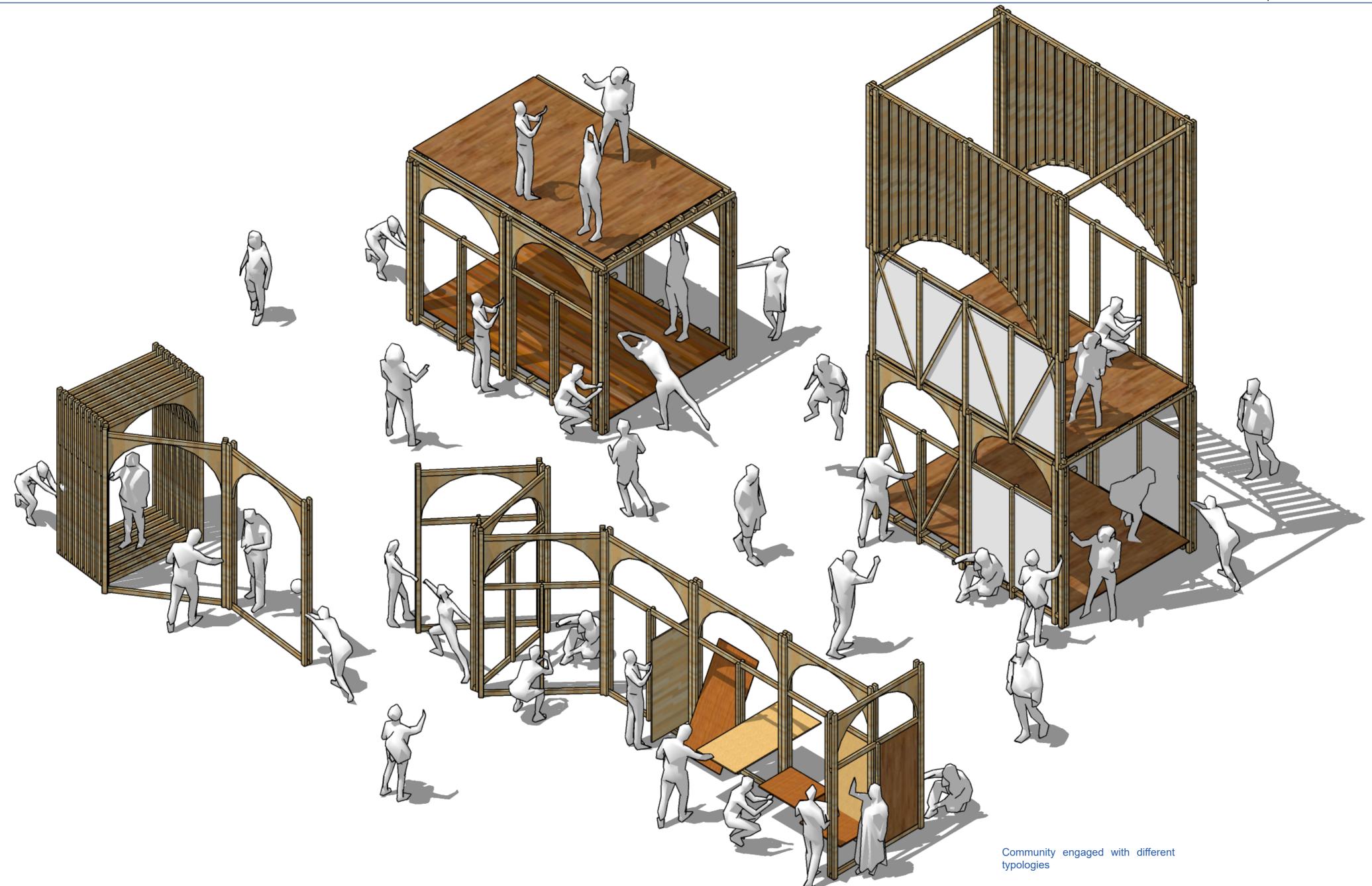
BUILD UP PROCESS





08.

BUILD UP PROCESS



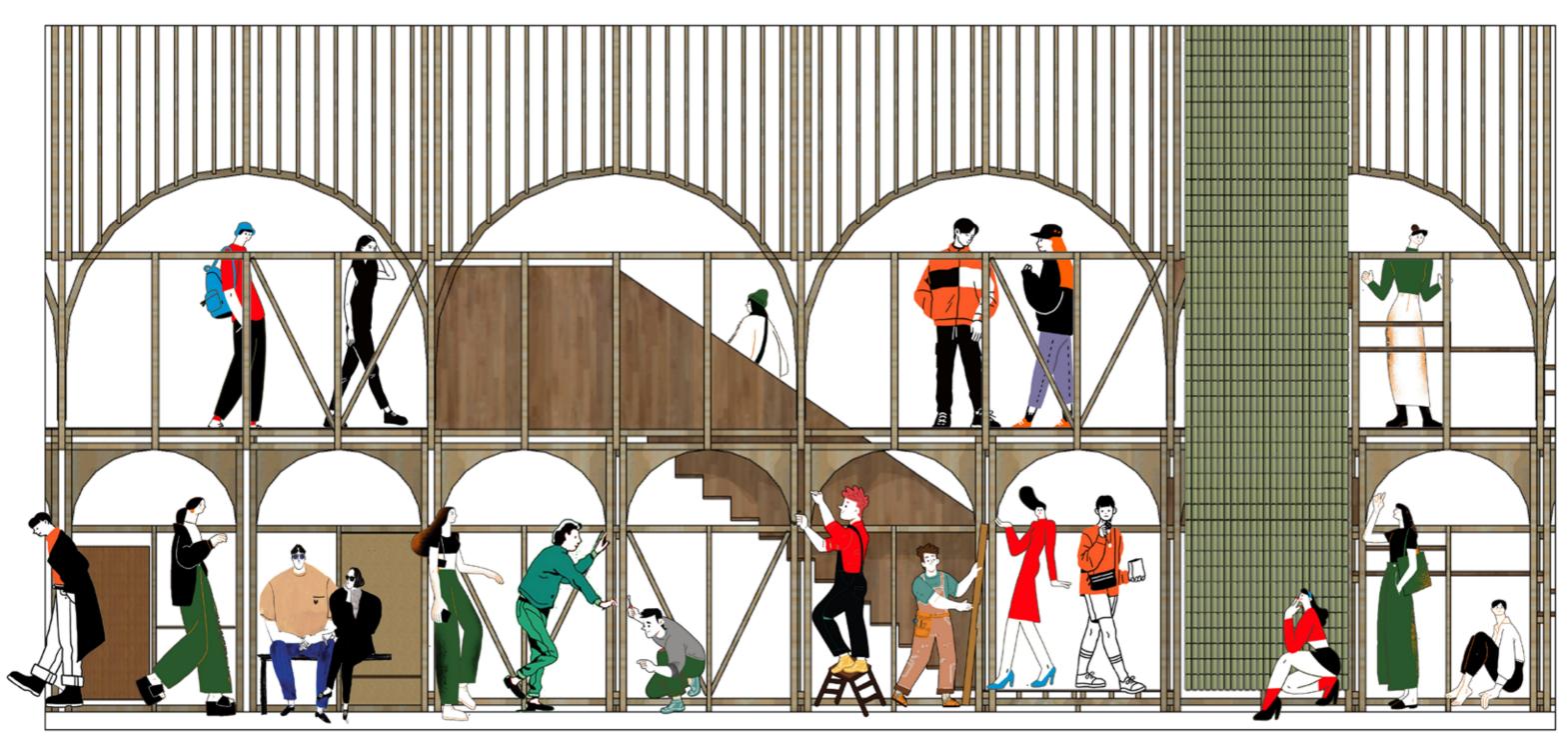
BUILD UP PROCESS

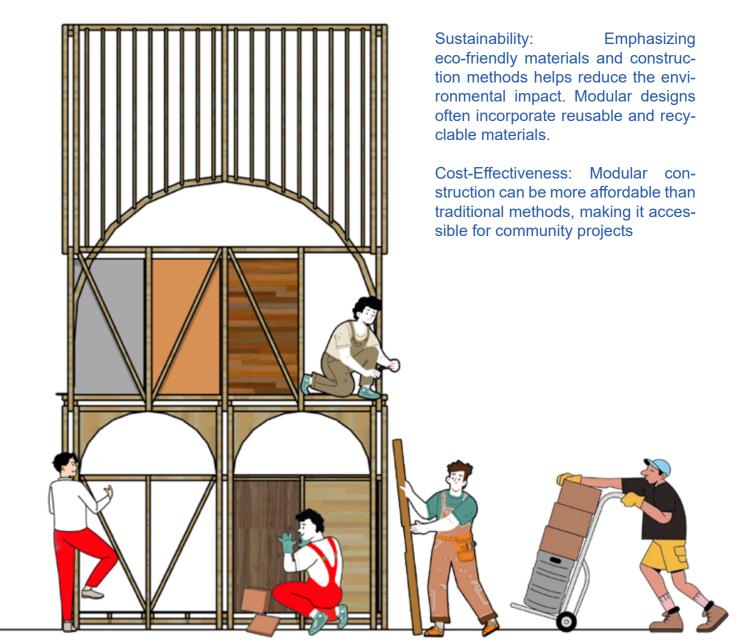


Community Involvement: Engaging the community in the design process ensures that the structures meet their needs and preferences.



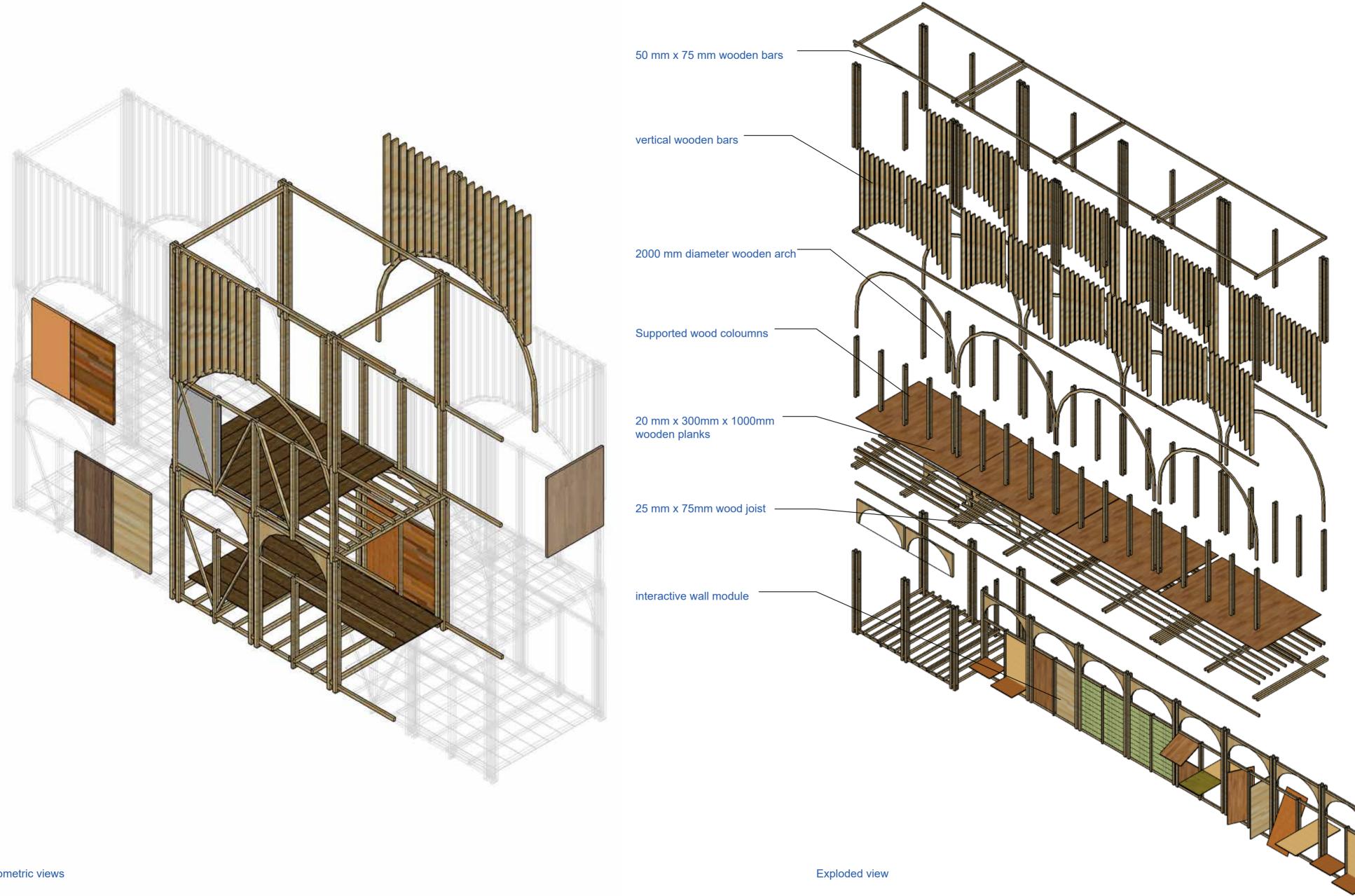
Modularity: Using modular compo-nents allows for flexibility and scalability. Structures can be easily expanded, reduced, or reconfigured based on changing needs





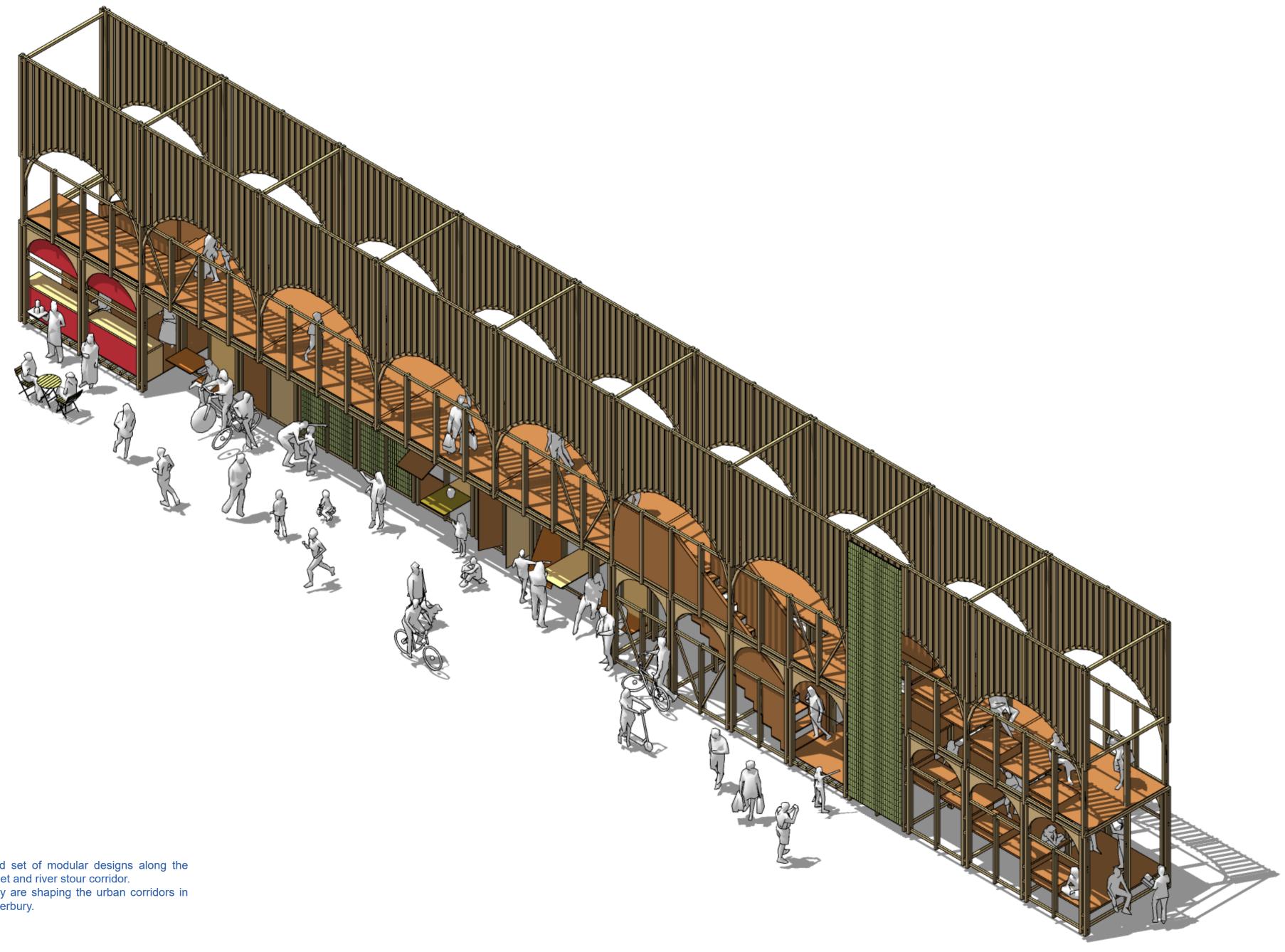
Community-driven modular design focuses on creating adaptable and sustainable structures that meet the specific needs of a community.

ISOMETRIC DETAIL VIEW



isometric views

EXTENDED MODULE

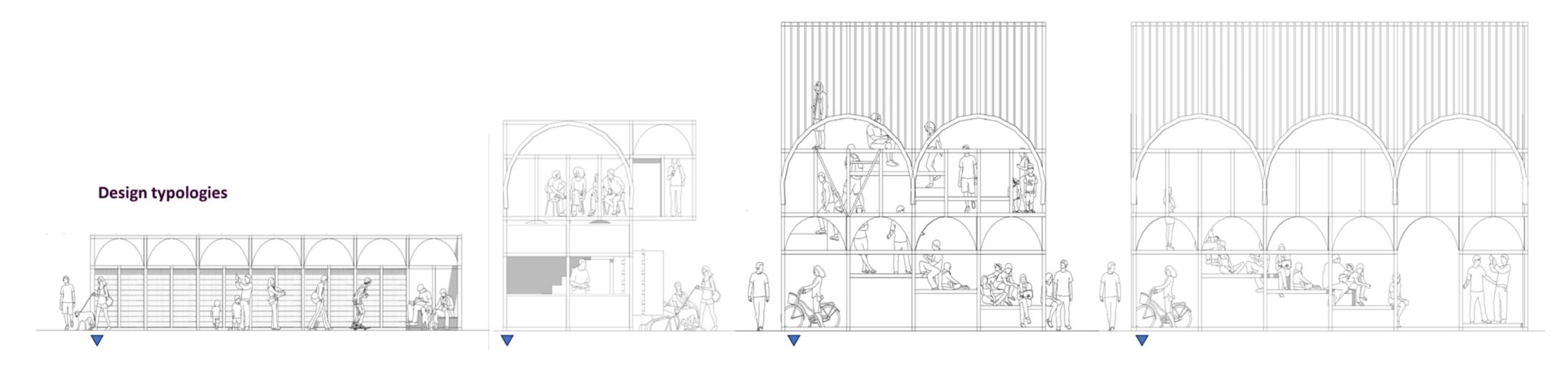


Proposed set of modular designs along the high street and river stour corridor. How they are shaping the urban corridors in the Canterbury.

MODULAR TYPOLOGIES

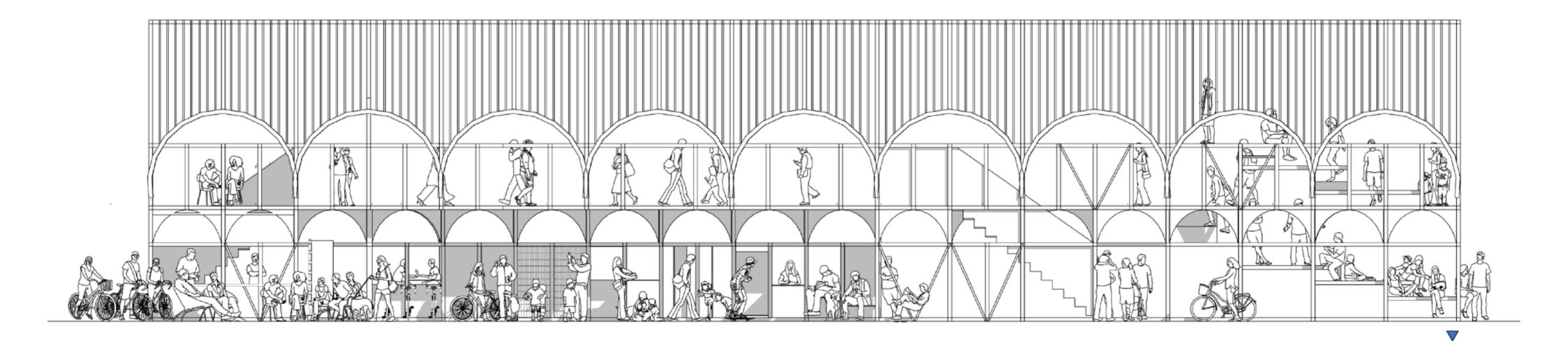
01.STREET PAVILLION 02.INTERACTIVE WALL 01 03.INTERACTIVE WALL 02 04.STREET VENDORS 05.MODULAR THEATRE

DESIGN TYPOLOGIES



Modular walkways can be a great solution issues in Canterbury. Here's how:

Increased Pedestrian Capacity: During peak market hours, Canterbury's streets can become congested with shoppers. Modular walkways can create additional pedestrian areas, allowing for a more comfortable and safe shopping experience. Improved Accessibility: Modular walkways can be designed to be accessible for people with disabilities, including ramps and handrails. This ensures everyone can enjoy the markets. All-Weather Protection: Modular walkways can be covered with weatherproof materials like tensile fabric to protect shoppers from rain, sun, or snow. This allows markets to operate year-round, regardless of the weather. Vendor Flexibility: Modular walkways can be easily reconfigured to accommodate vendors of different shapes and sizes. This creates a more flexible and adaptable space for the market.

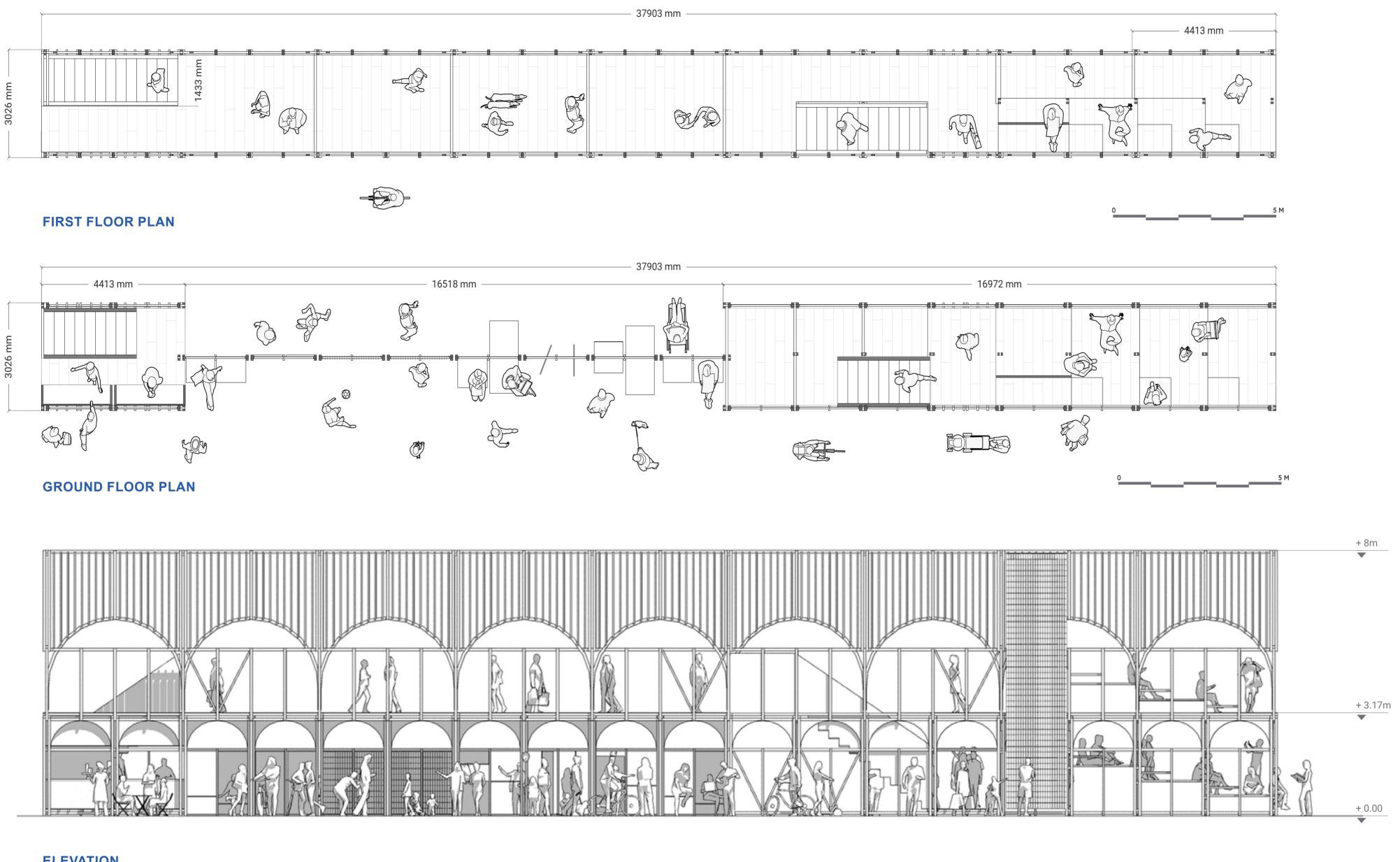


DESIGN TYPOLOGIES

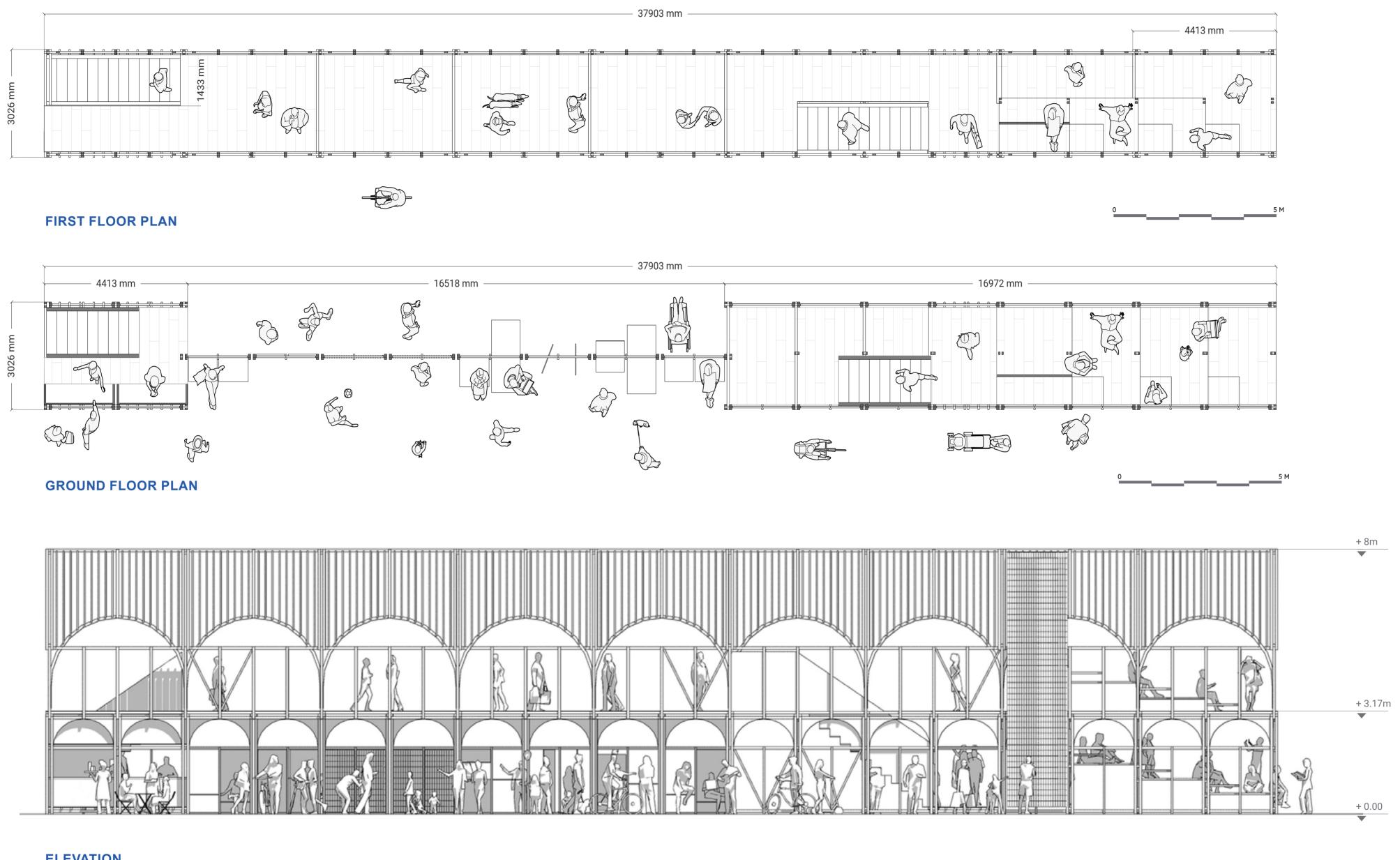


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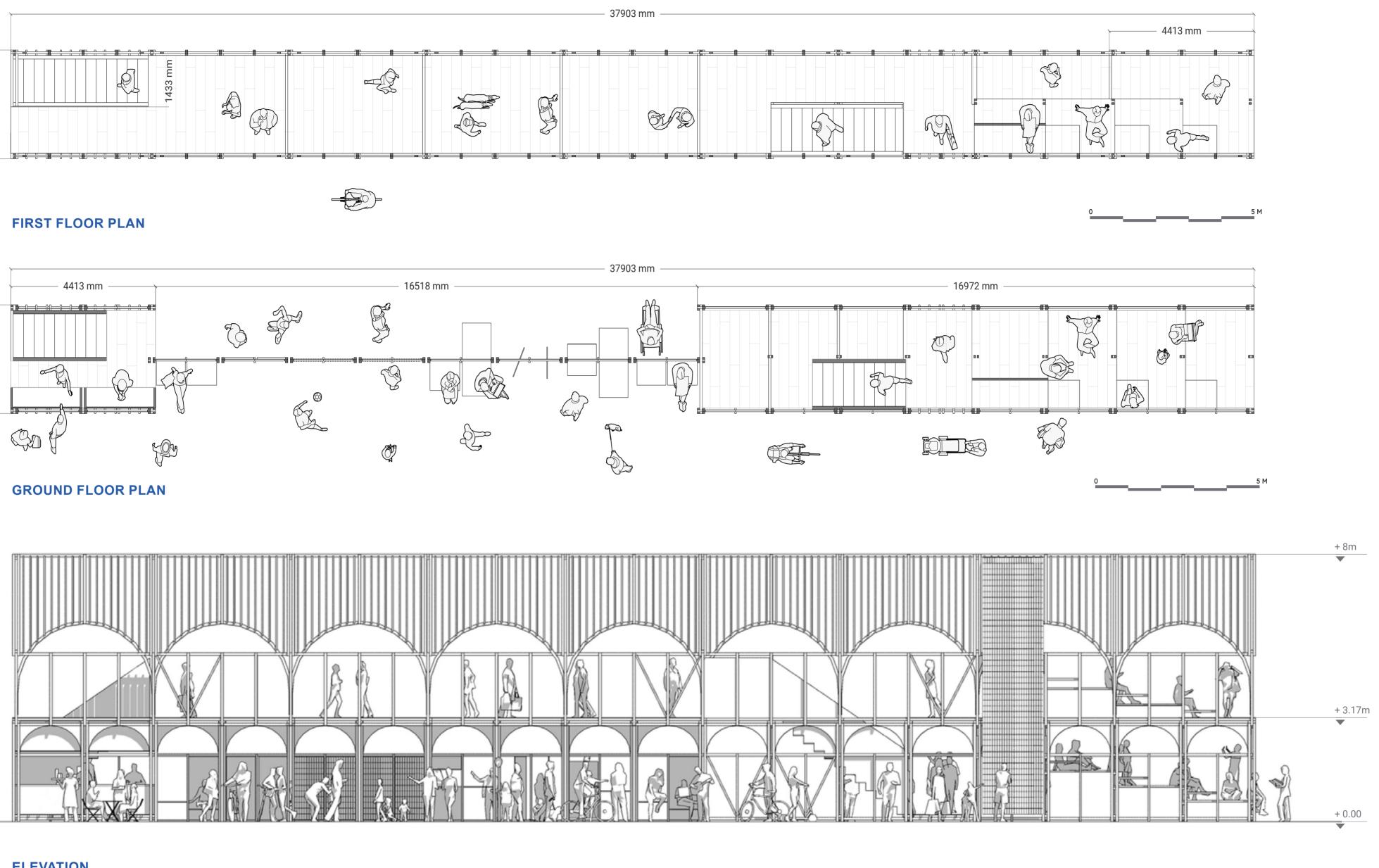
TYPOLOGY 01-STREET PAVILLION











ELEVATION

18

5 M

STREET PAVILLION



Modular walkways can create additional pedestrian areas, allowing for a more comfortable and safe shopping experience.



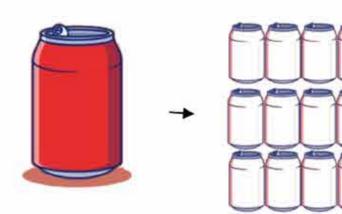




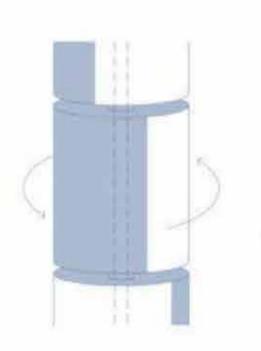
Final Realisation | MA Architecture

TYPOLOGY 02- INTERACTIVE WALL 01

Collect Tin Cans: Gather tin cans of various sizes. Clean them thoroughly and remove any labels.

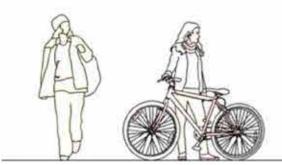




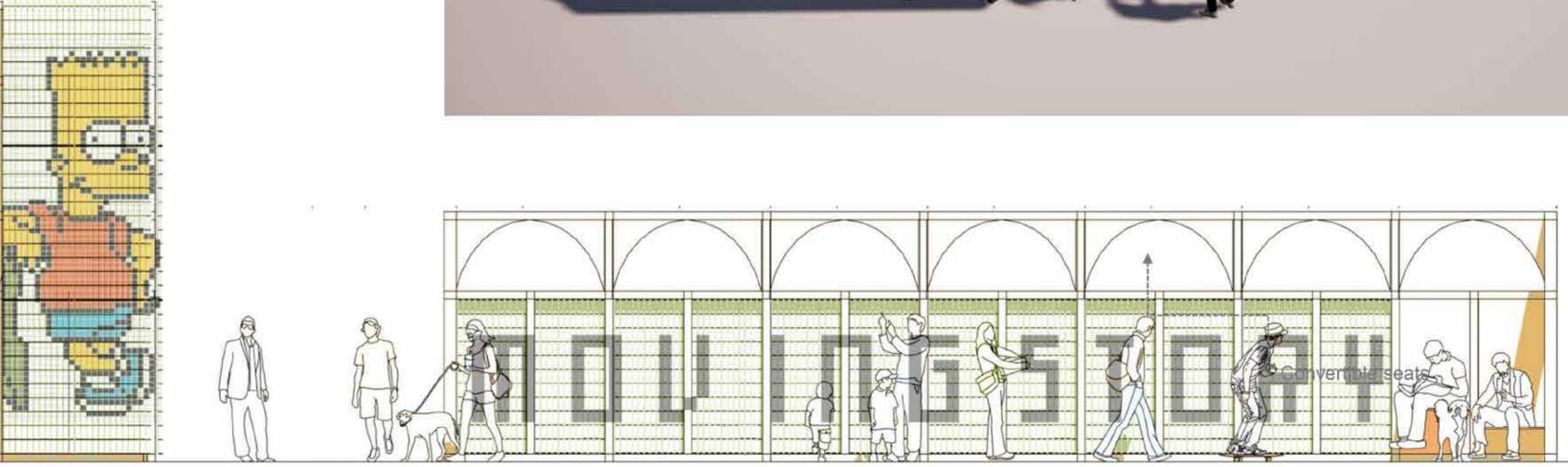


INTERACTIVE WALL/BILLBOARD

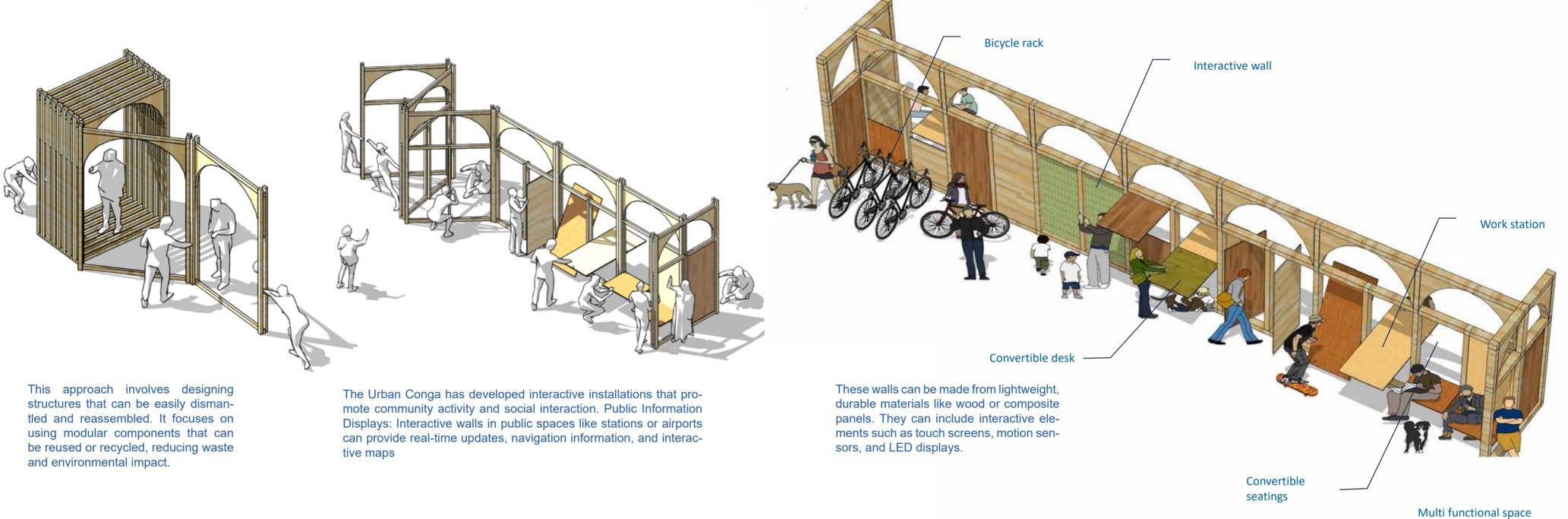
the structure a facade of tin cans, which are arranged in vertical. The metal cans are painted on half of their surfaces so people on the staircase can rotate them to form messages or images that become visible on the external walls.





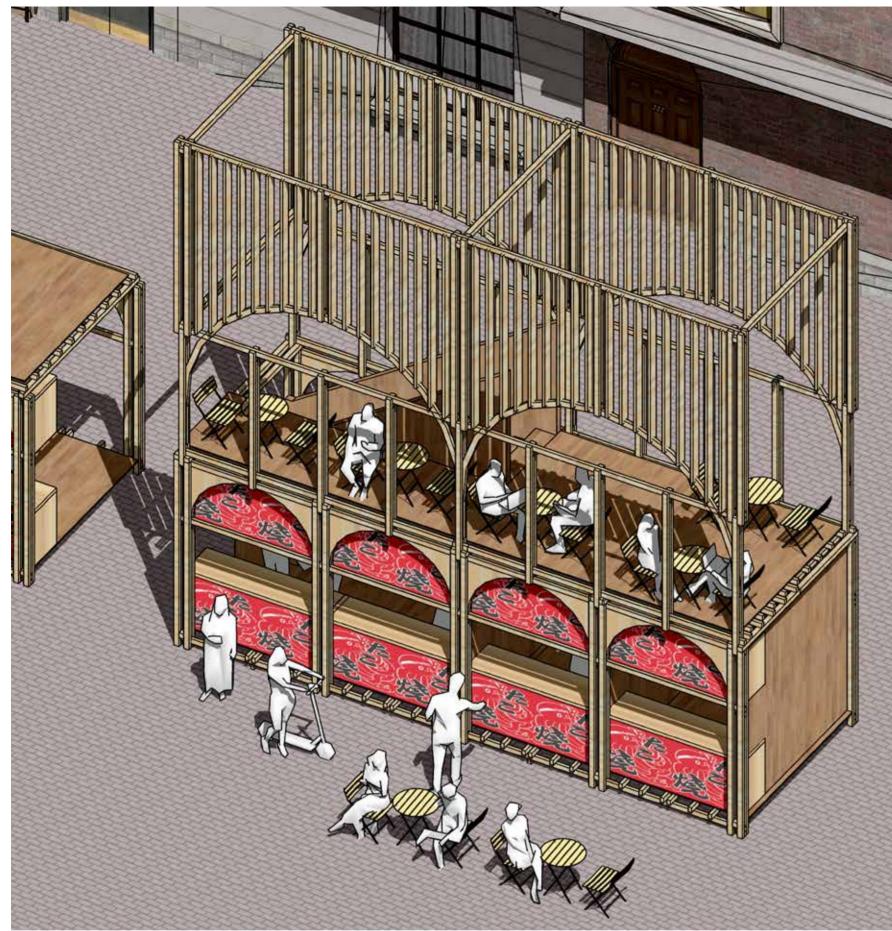


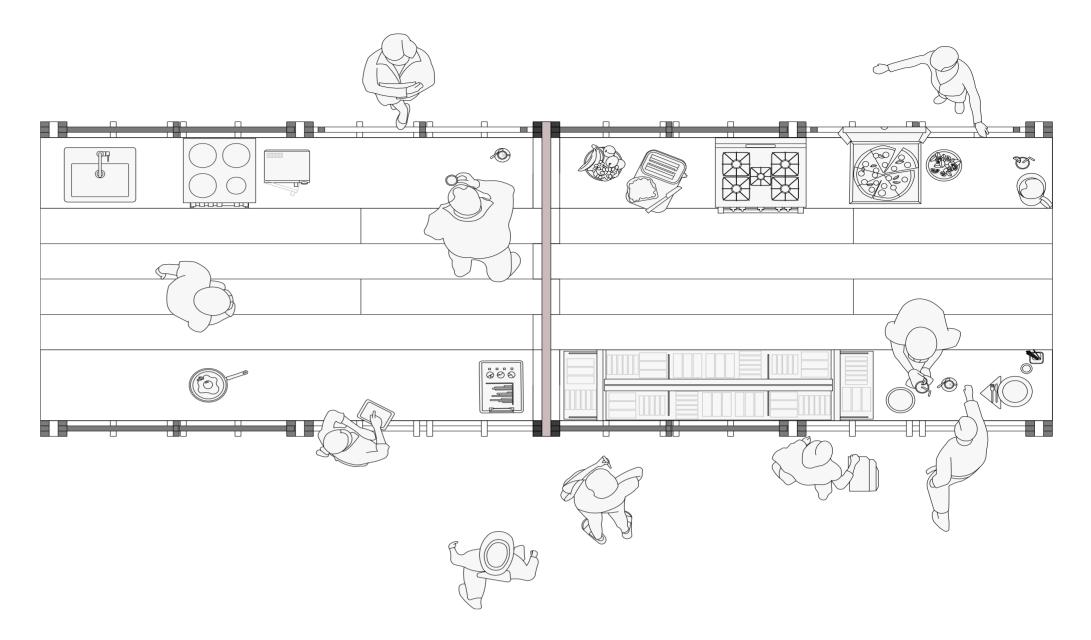
TYPOLOGY 03 - INTERACTIVE WALL 02





TYPOLOGY 04 - MODULAR STREET VENDORS



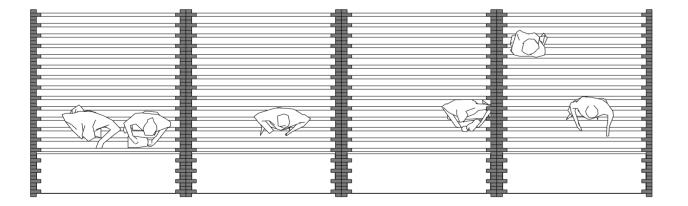


Modular Design: These vendors are built using modular components that can be quickly assembled and disassembled. This makes them ideal for temporary setups at events, markets, and busy city centres.

Portability: The modular units are designed to be lightweight and portable, allowing for easy transportation to different locations. Customization: They can be customized with branding, colors, and additional features like LED lighting, signage, and storage solutions. Durability: Made from high-quality materials such as stainless steel and aluminum, these units are built to withstand various weather conditions.

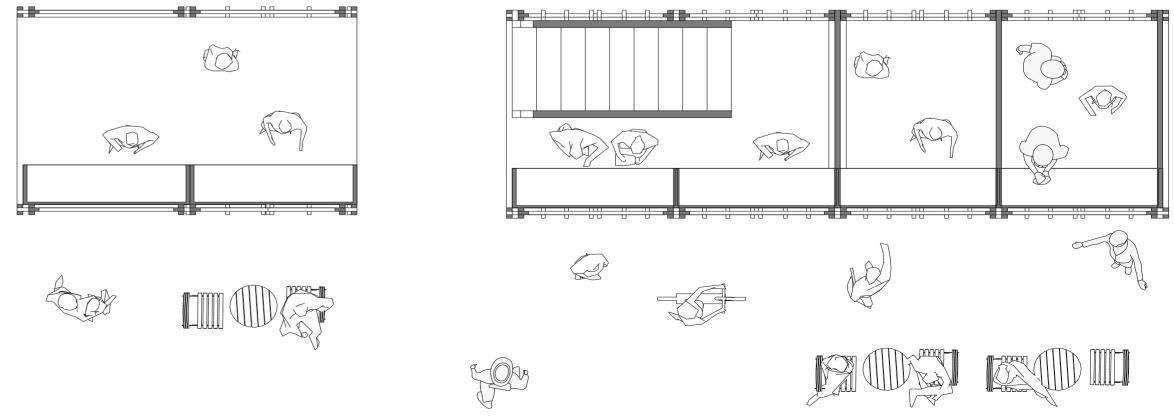
Benefits

timing

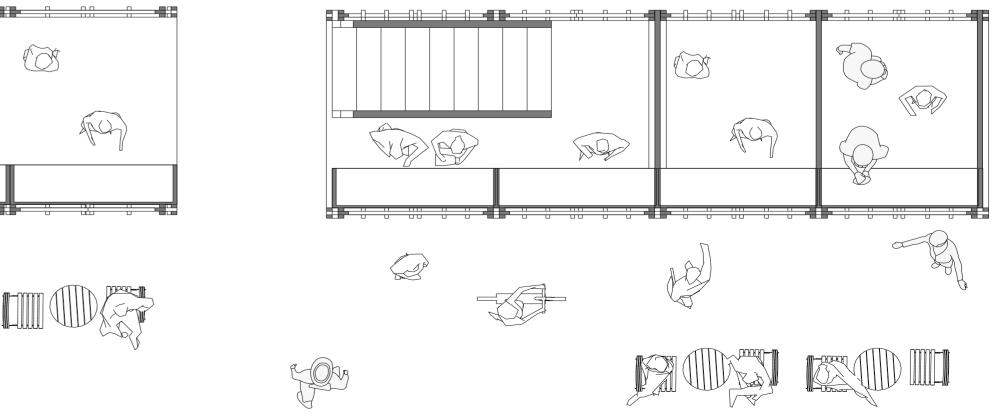


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Flexibility:Ideal for pop-up events, seasonal markets, and festivals, these vendors can be set up and taken down quickly, providing flexibility in location and

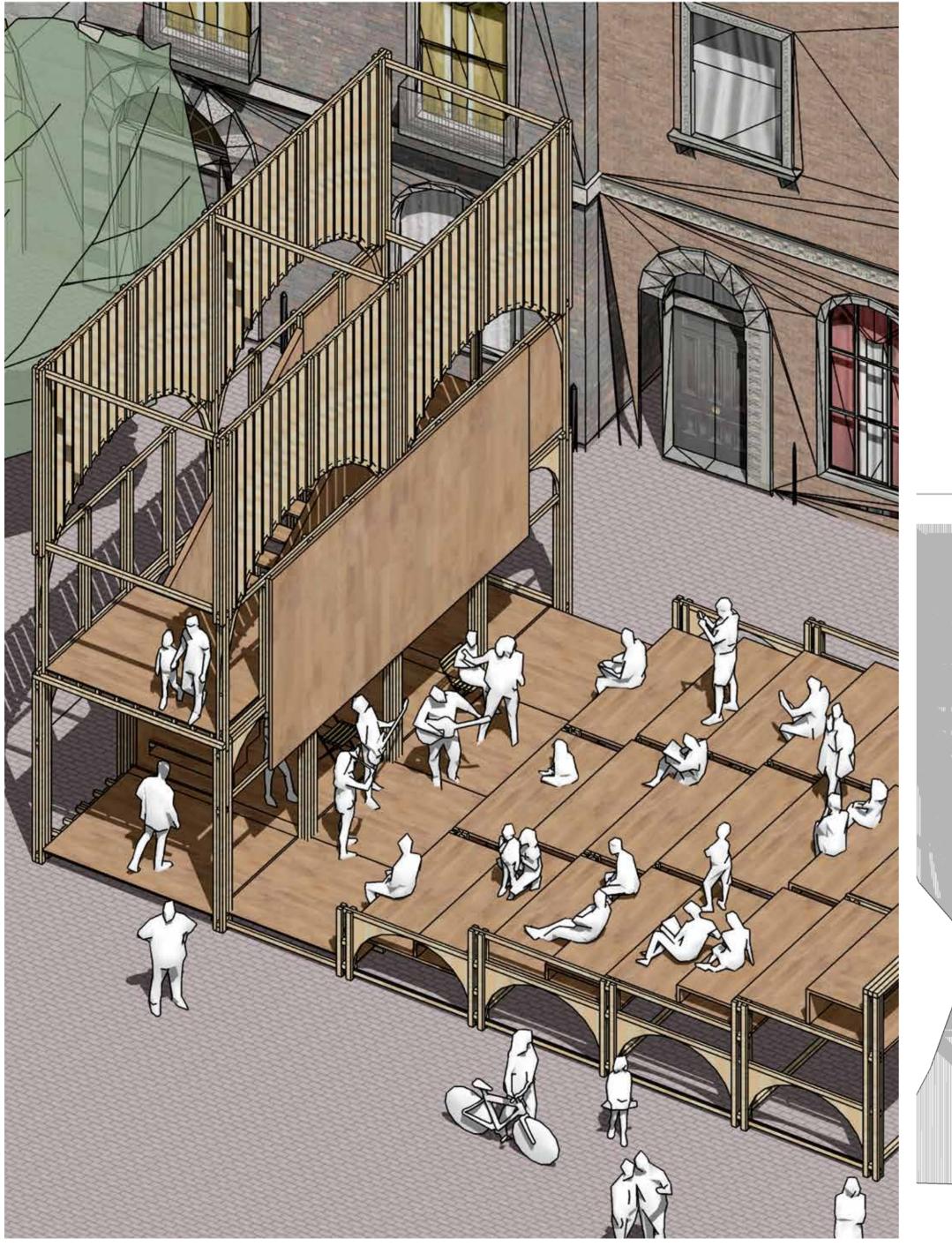
Cost-Effective: Compared to permanent structures, modular vendors are more affordable and can be reused for multiple events. Economic Impact: They contribute to the local economy by providing accessible goods and creating job opportunities

MODULAR STREET VENDORS



Many types of modular street vendors

TYPOLOGY 05 - STREET THEATRE



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Modular street theatres are a fantastic way to bring live performances to various locations with ease and flexibility. Here are some key features and benefits:

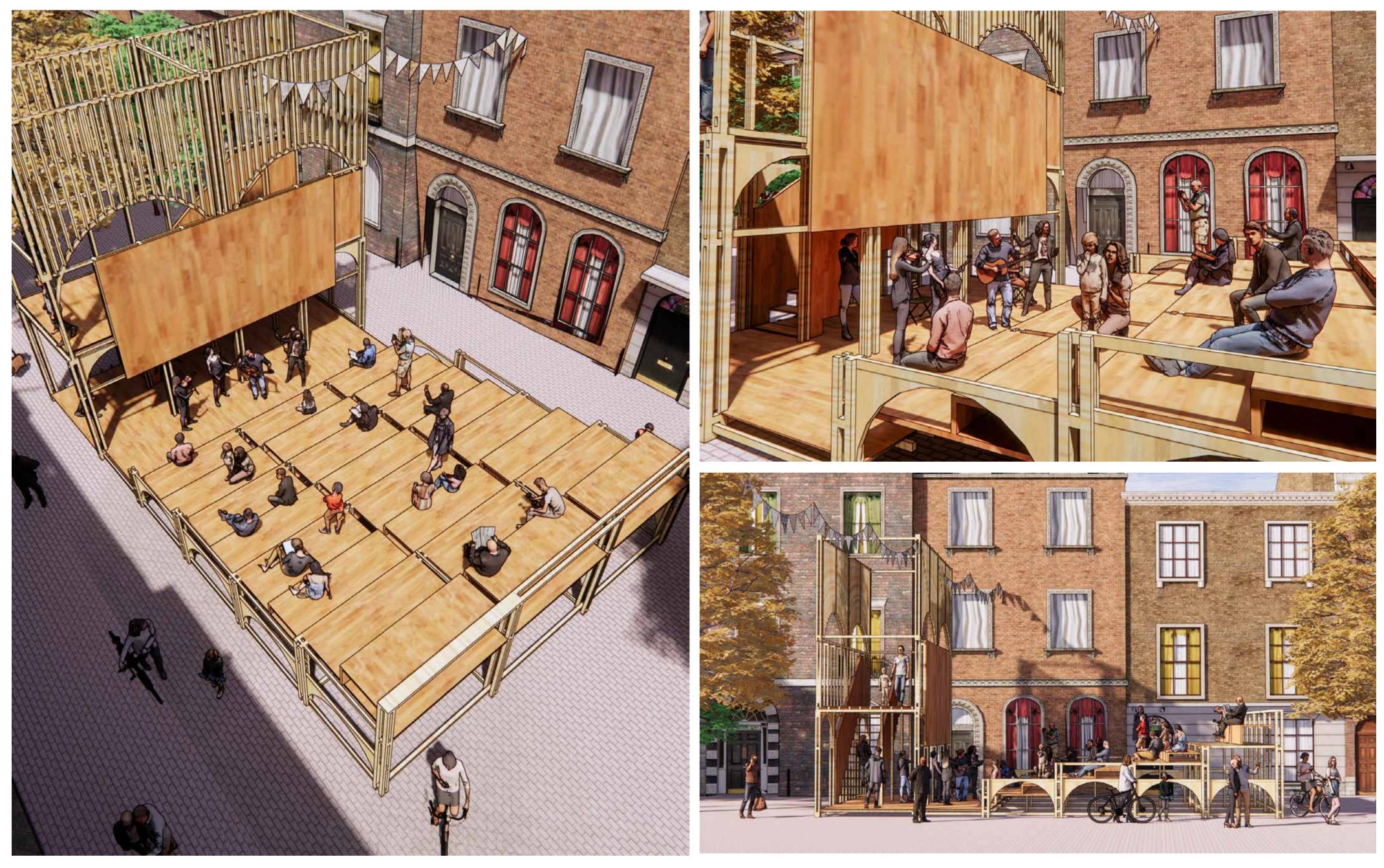
Mobility: These theatres can be easily assembled, disassembled, and transported to different locations, making them ideal for festivals, community events, and popup performances.

Customization: You can design these theatres to fit specific needs, including seating arrangements, stage size, and technical requirements like lighting and sound systems.

Sustainability: Many modular theatres are built using eco-friendly materials and methods, such as circular construction and natural lighting, which help reduce the environmental impact.



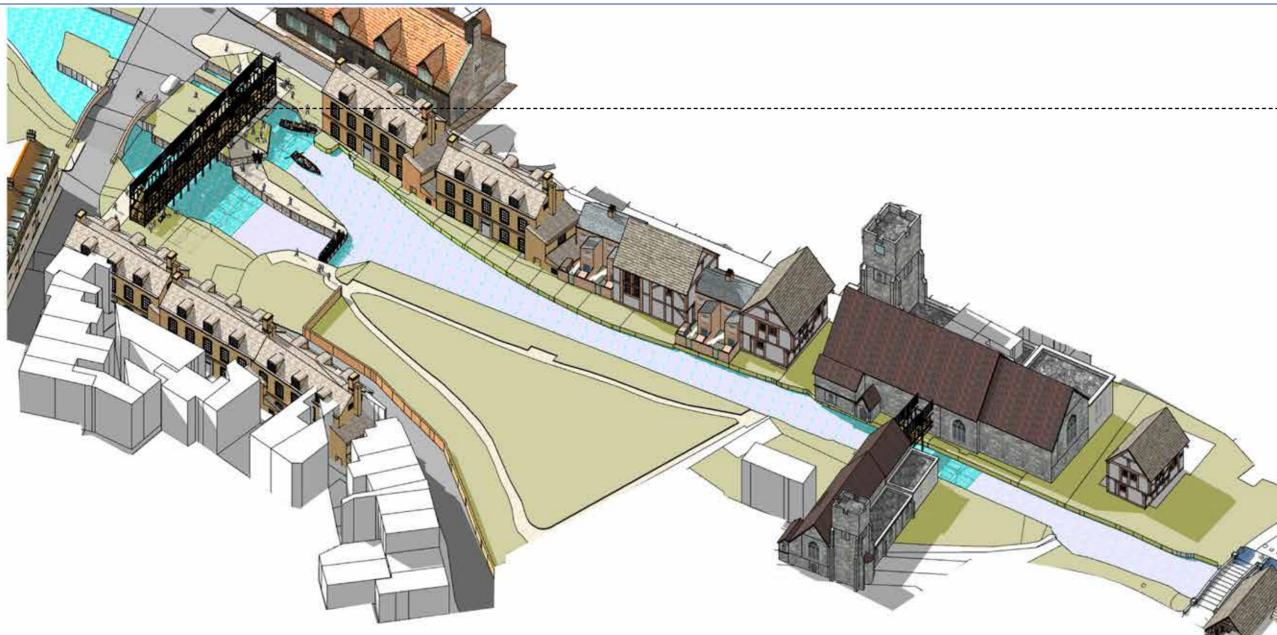
STREET THEATRE



RIVER CORRIDOR

PLANS / SECTIONS / ELEVATIONS / DETAILS / 3D IMAGES

MASTER PLAN RIVER CORRIDOR



01

Proposed river corridor structures provide tourist attraction to the area. It increases the user engagement and user activities among the area.





River corridor pathways

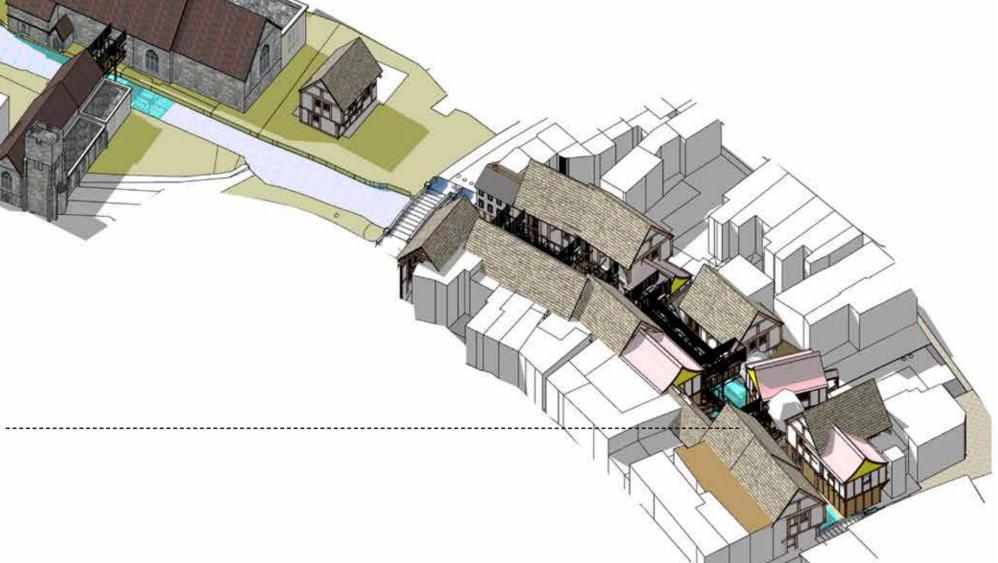
River corridor temporary seasonal installations

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Modular design / elevated walkways

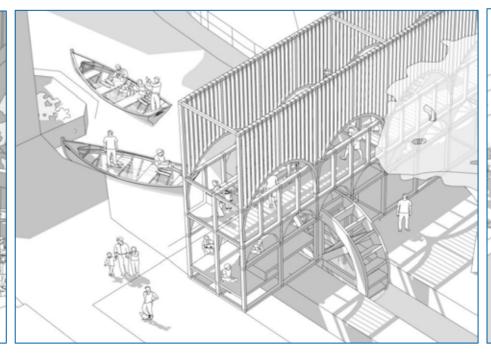


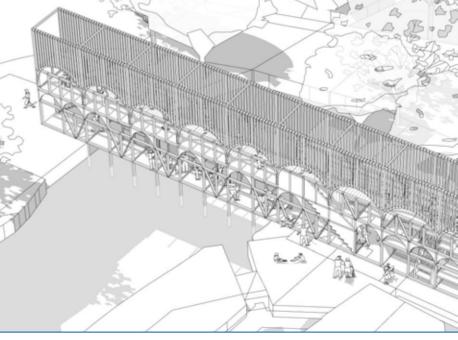
Proposed pavilion over the river as bridge. It provide multifunctional spaces and a self sustainable module works with electricity.



River stour design proposals

Proposed set of modular designs along the river stour corridor. These interventions are increasingly user engagement. How they are shaping the urban corridors in the Canterbury





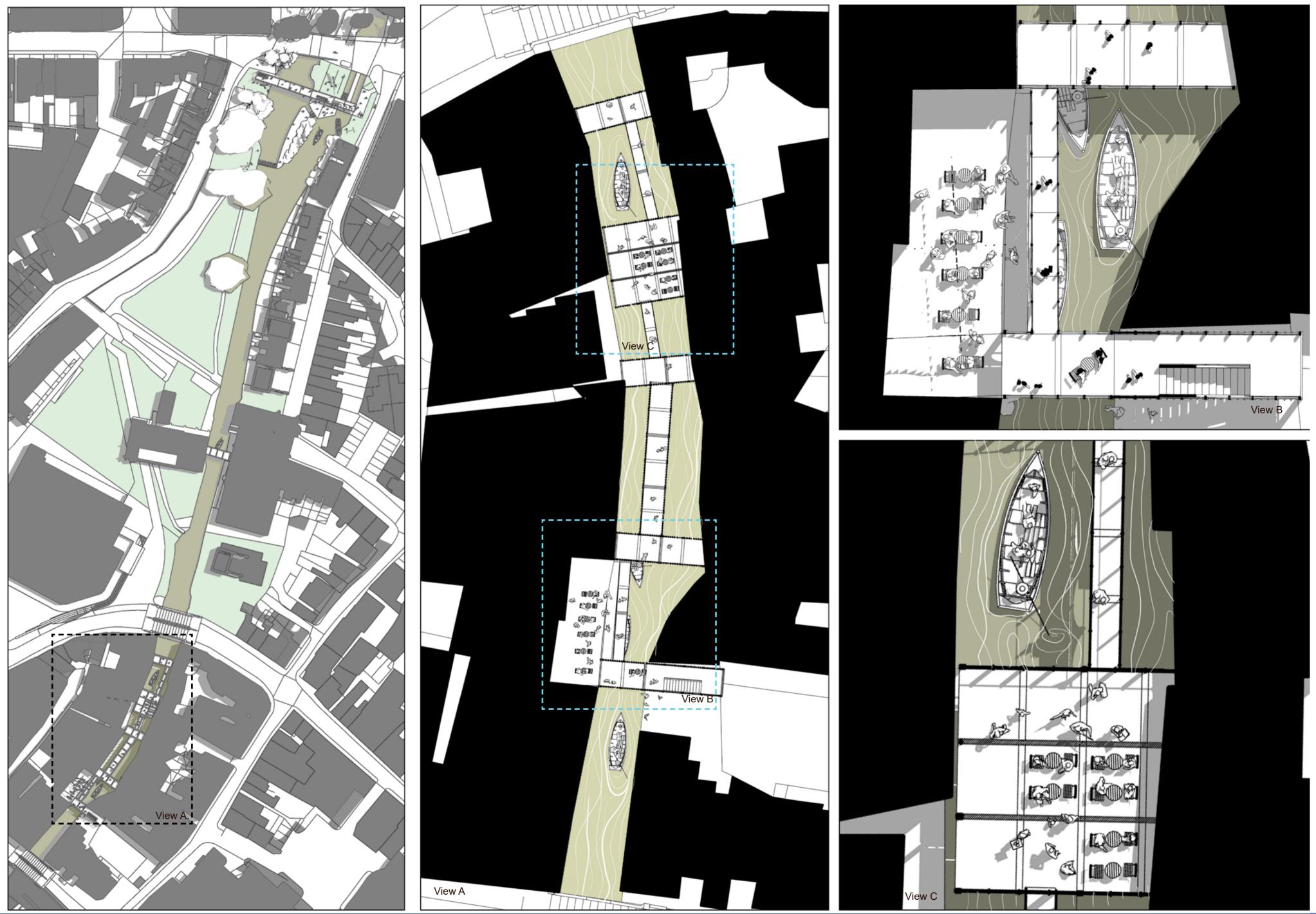
 \bigtriangledown

Mill powered electricity Existing water mill regenerate into supply water powered electricity to the whole building as a sustainable module

Research center Gallery space

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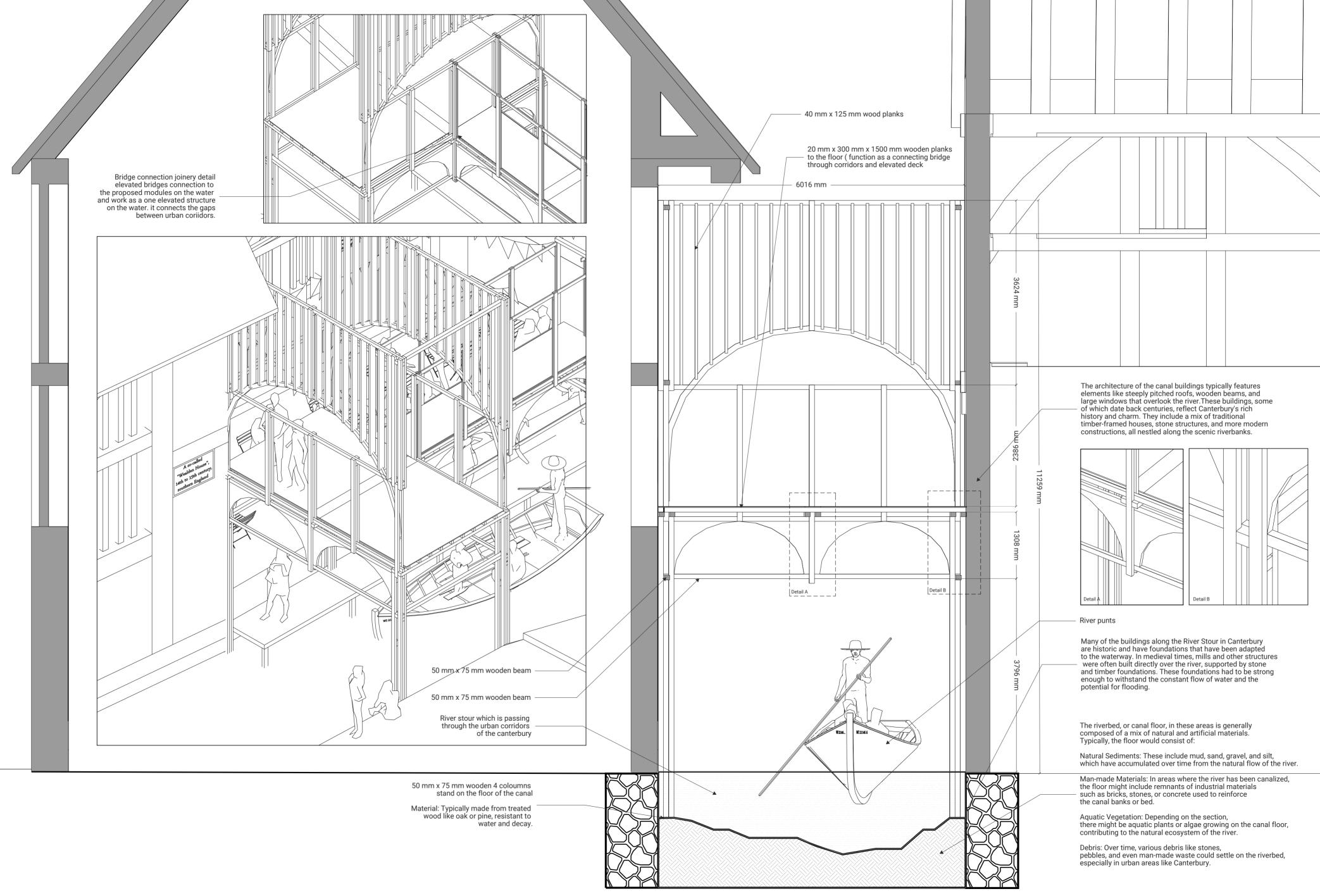
LAYOUT PLANS



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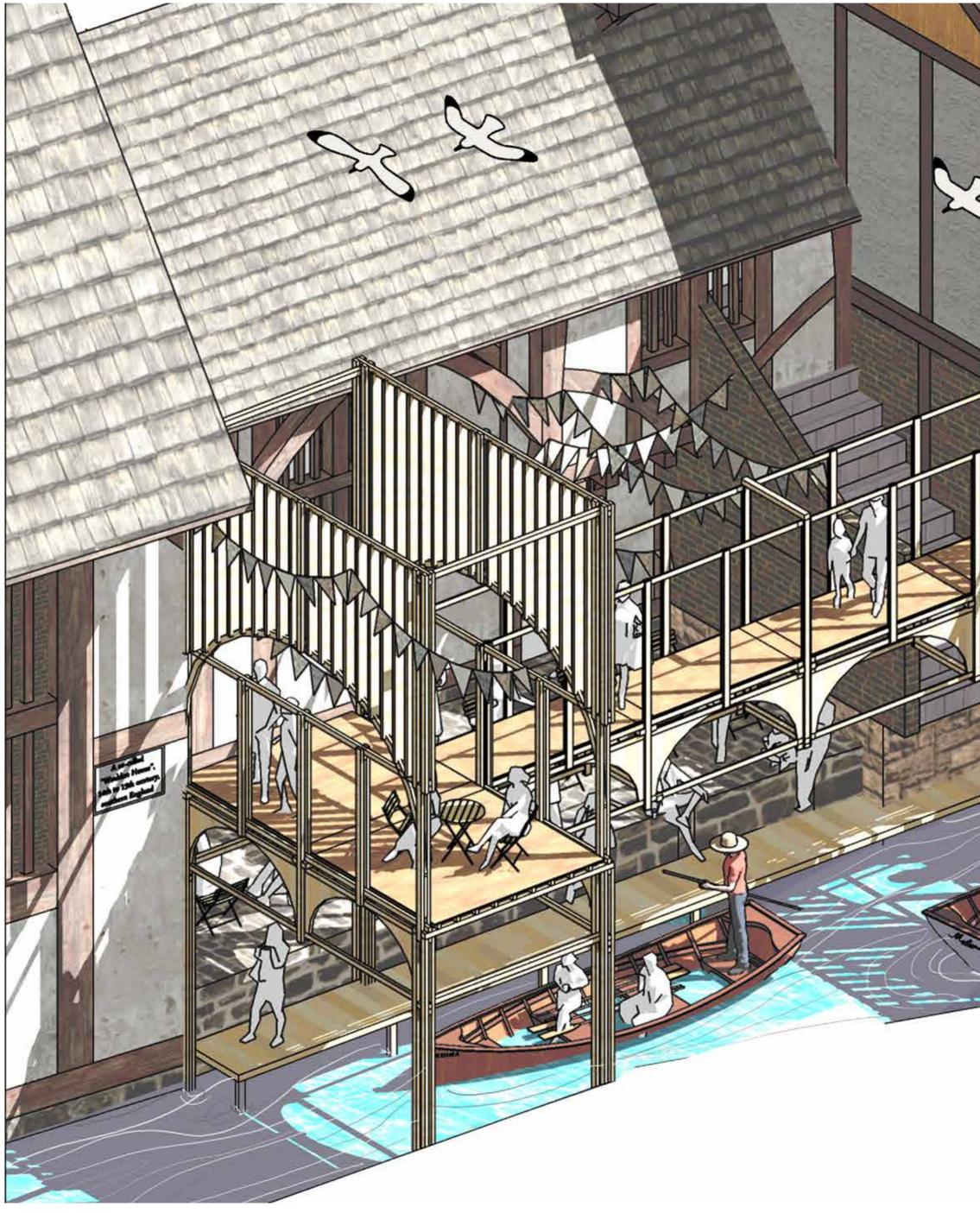
Final Realisation | MA Architecture

SECTION / DETAILS



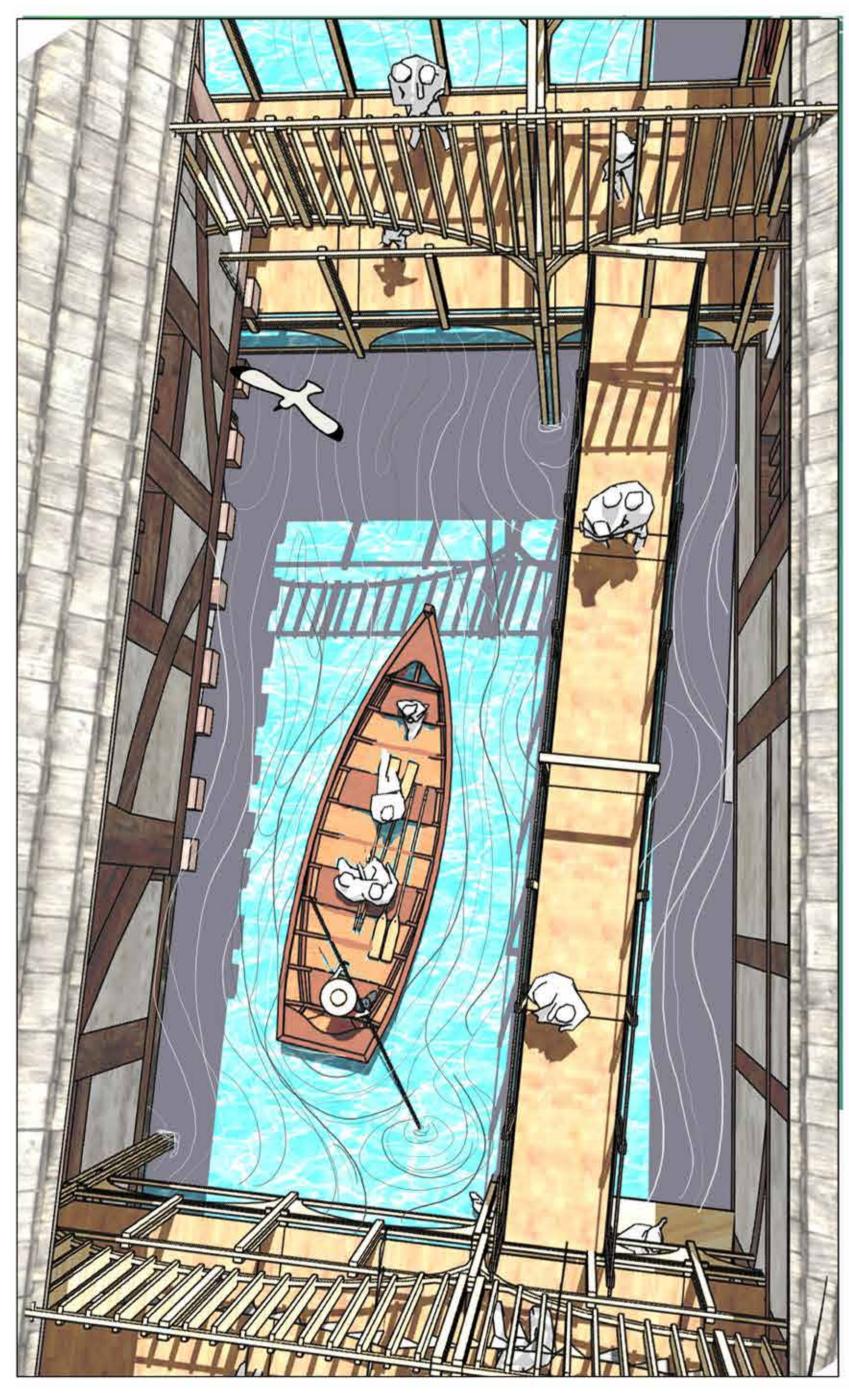
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SECTIONAL PERSPECTIVE / ISO VIEW

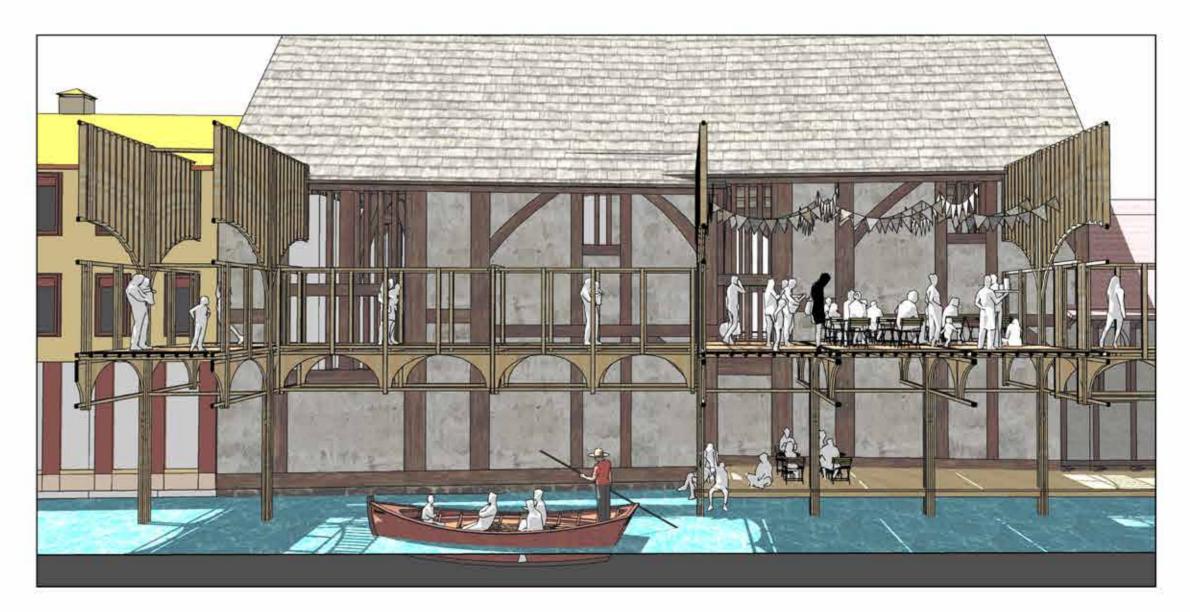


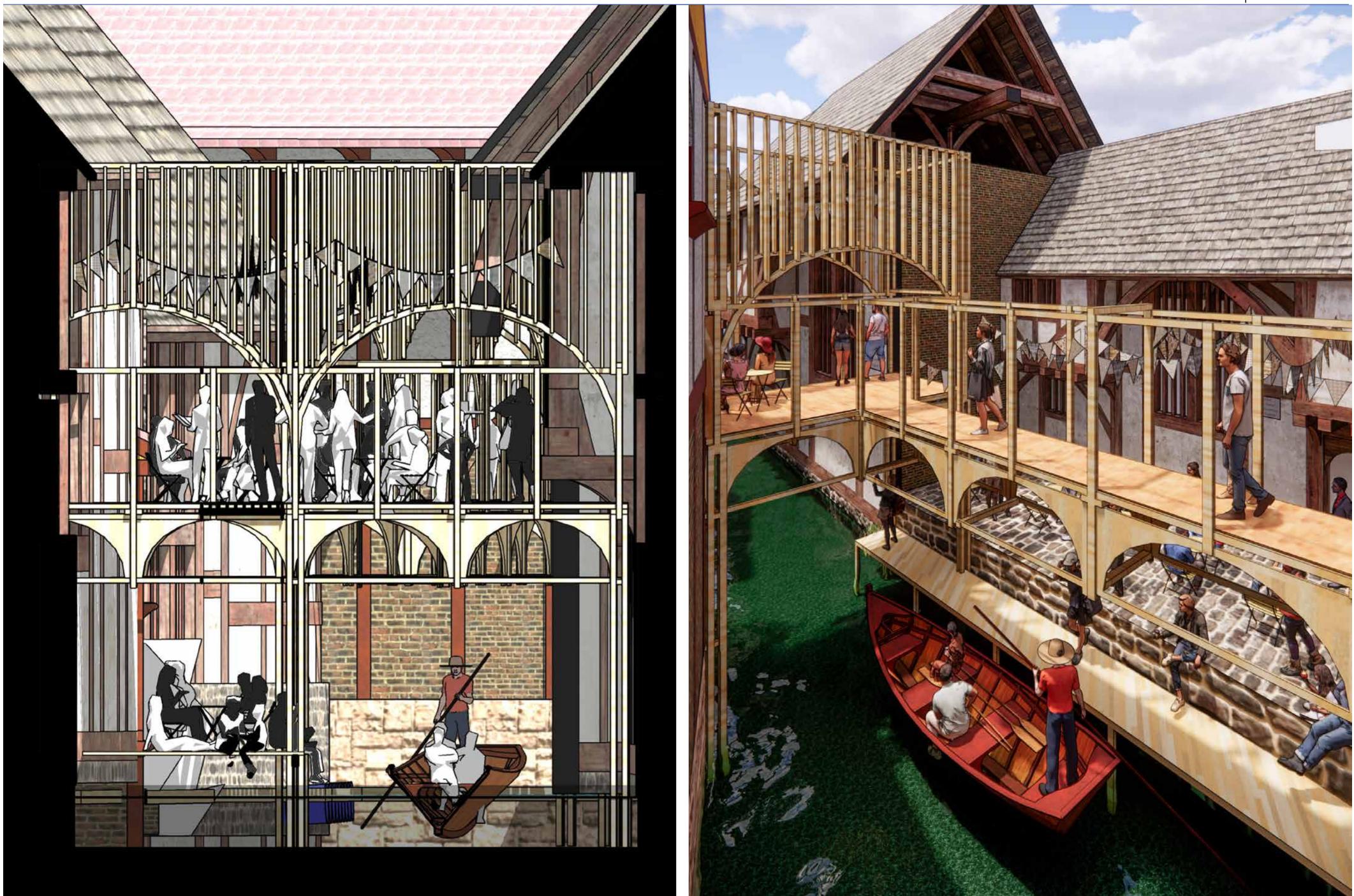
Temporary pavilions along river corridors can create en-gaging and functional spaces for the com**munity.** The pavilion aims to enhance the accessibility and usability of the river corridor. it provides spaces as gallery/ seating area/ public walkway and multifunctional space

2D ILLUSTRATIONS











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RIVER PAVILLION

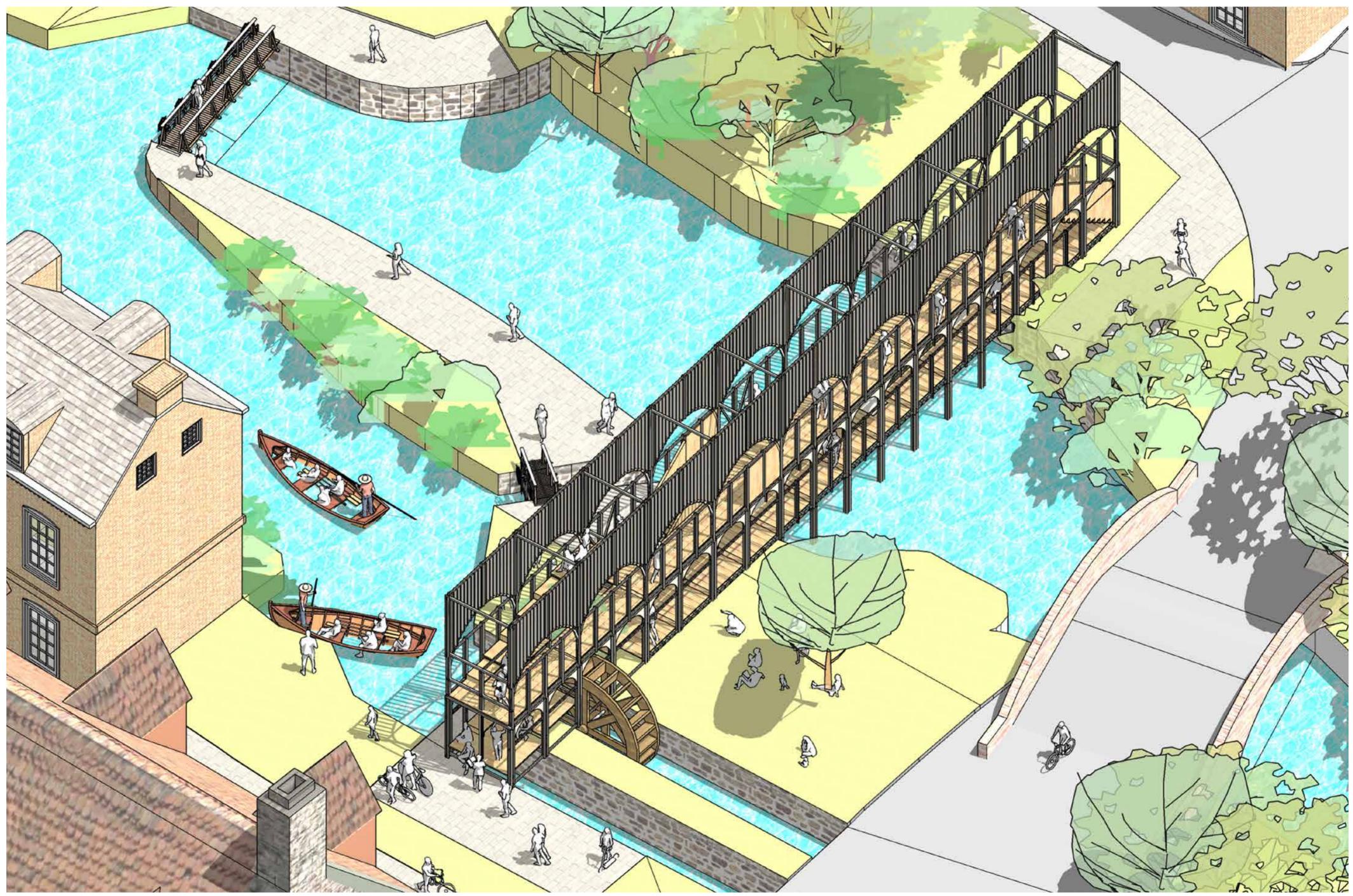
PLANS / SECTIONS / ELEVATIONS / DETAILS / 3D IMAGES

LAYOUT PLAN

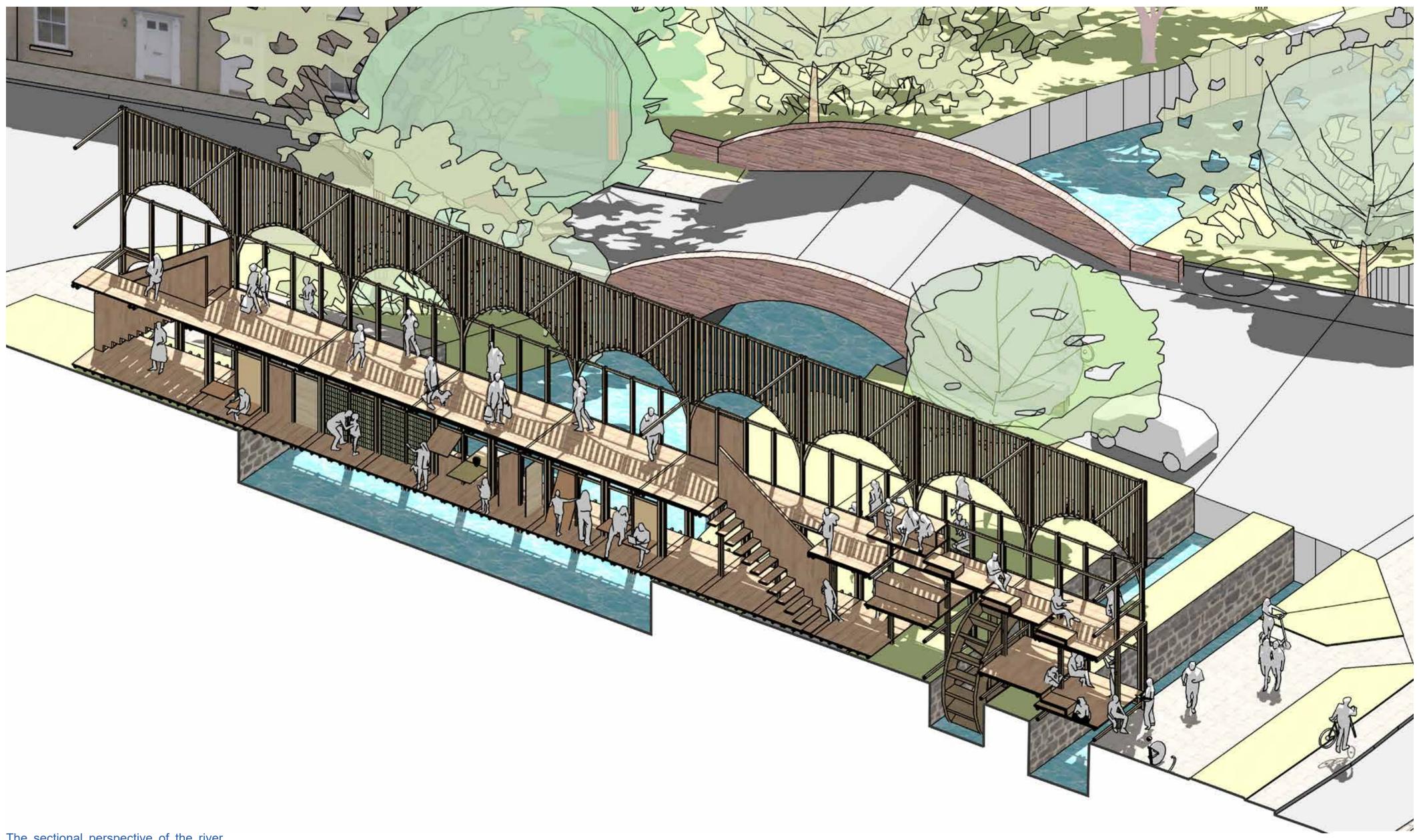


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RIVER PAVILLION

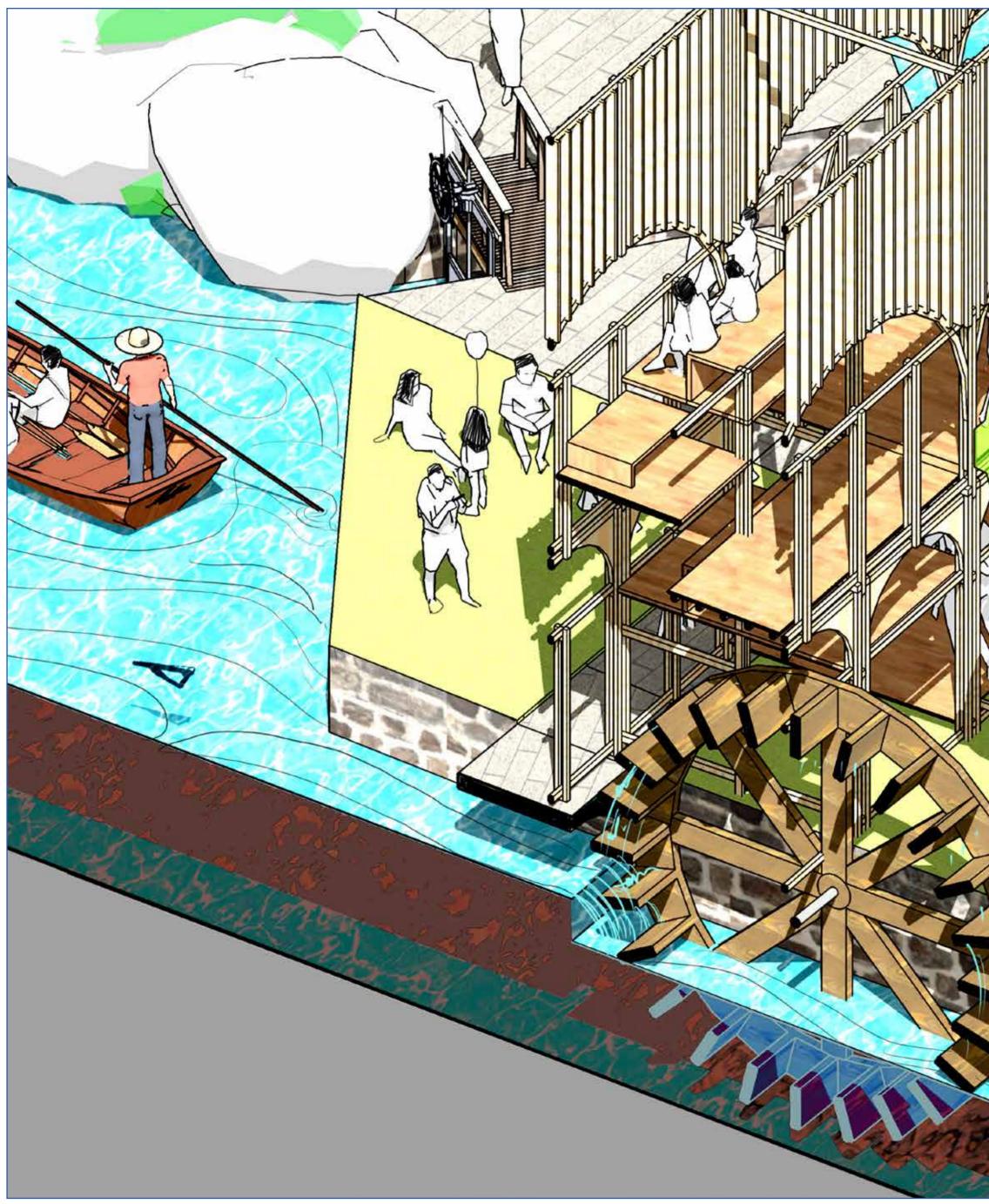


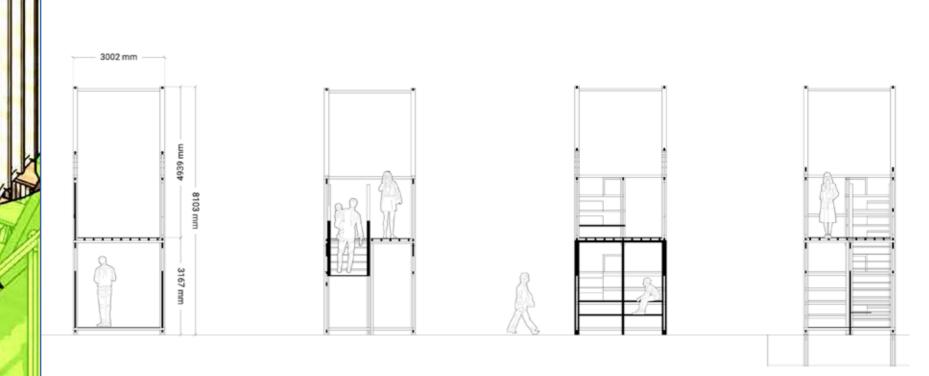
SECTION



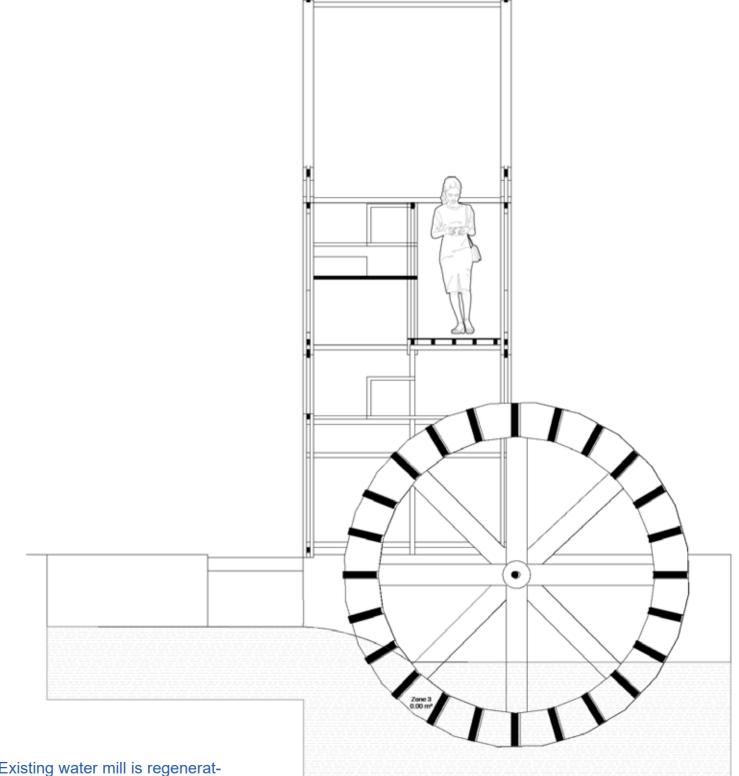
The sectional perspective of the river corridor pavillion.

DETAILS





sections of river pavbillion

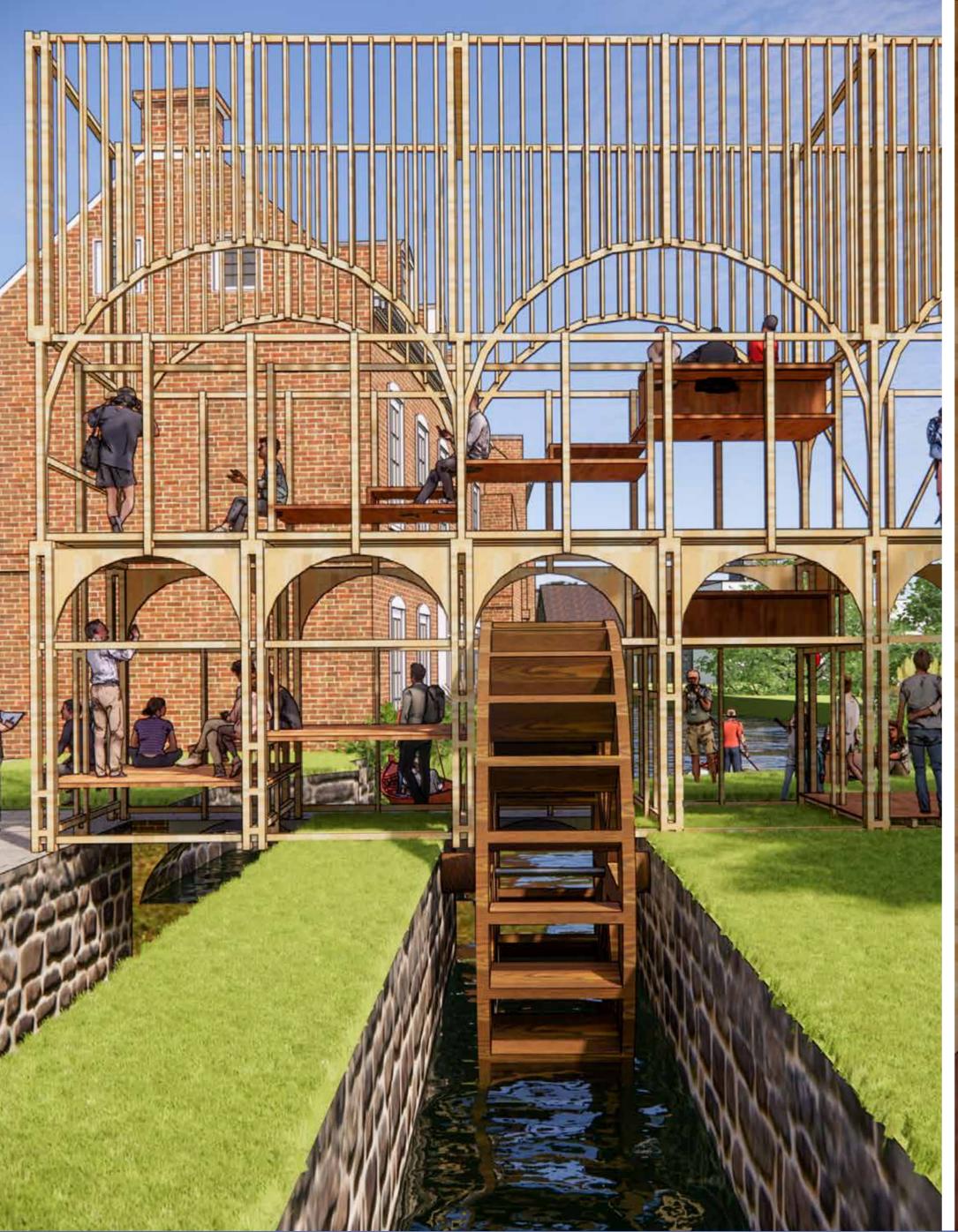


Existing water mill is regenerated using the design proposal. water powered electricity will be supply to the proposed area which is working as sustinble module



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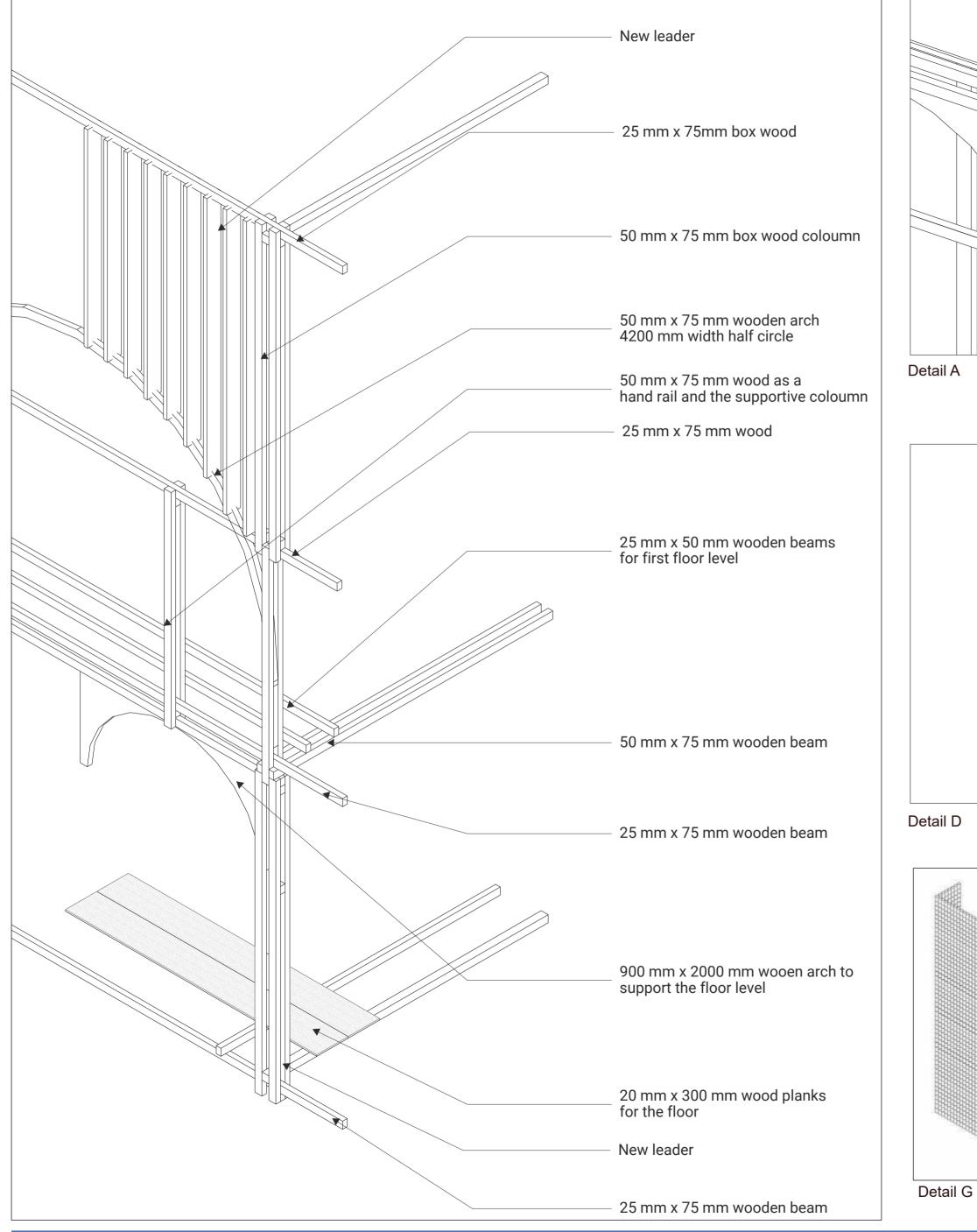




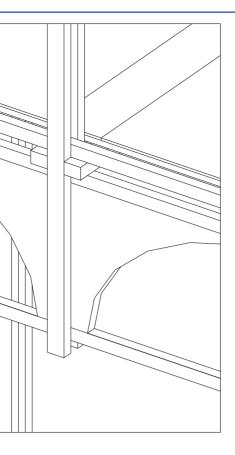


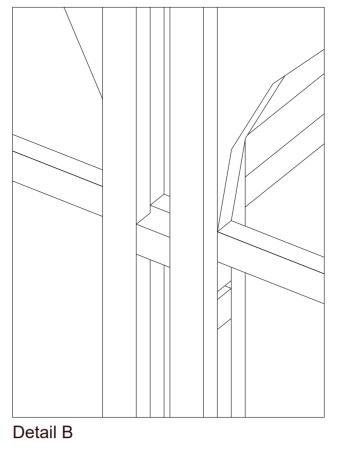


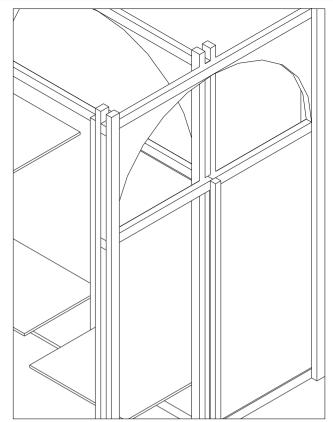
CONSTRUCTION DETAILS



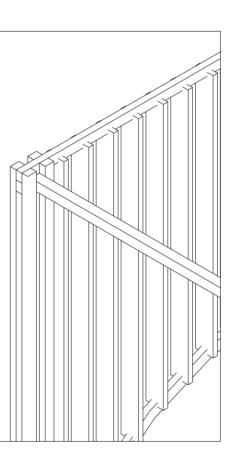
Final Realisation | MA Architecture



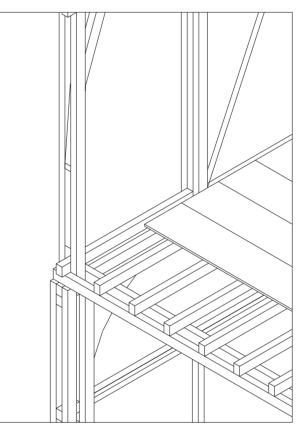




Detail C

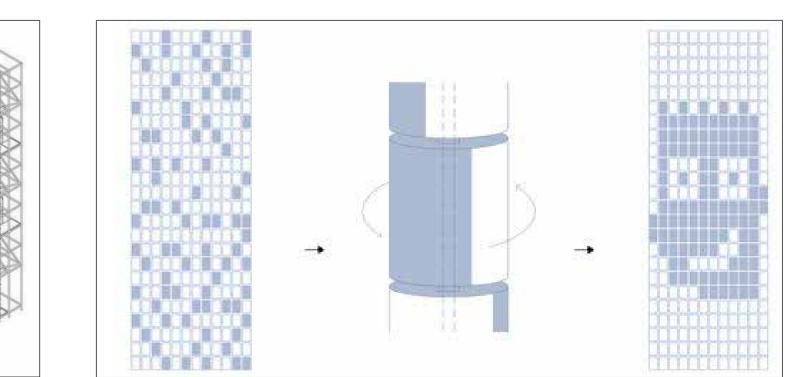


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Detail E

Detail F



Detail H

IMPLEMENTATION PROGRAMME

Community Engagement: Involving residents and stakeholders in the design process is crucial to ensure the walkways meet the needs of the community and respect the city's heritage.

Pilot Project: Consider a pilot project on a limited section of the historic city to test the concept and gather feedback before wider implementation. By carefully considering these factors, modular walkways can become a valuable tool for enhancing accessibility and pedestrian enjoyment in a historic city, fostering a vibrant and inclusive urban environment.

PROJECT PHASES		6 MONTHS	12 MONTHS	24 MONTHS	BEYOND
PHASE 01	 FEASIBILITY STUDY AND DESIGN Conduct a comprehensive feasibility study to assess costs, benefits, legal requirements, and public opinion. Develop detailed designs for the walkways, considering aesthetics, accessibility With existing infrastructure. Secure necessary permits and approvals from relevant authorities. 				
PHASE 02	 PILOT PROJECT Construct a pilot walkway in a designated area (e.g., a section of High Street) to test the design, functionality, and public acceptance. Monitor usage patterns, collect feedback through surveys and community meetings, and make adjustments as needed. 				DEVELOP/ADD OR REMOVE (MODULAR ADAPTABILITY)
PHASE 03	 EXPANSION AND ROLL OUT Based on the success of the pilot project, secure additional funding and finalize plans for expansion to other corridors. Phase the construction of walkways in other designated areas, prioritizing areas with high foot traffic or accessibility concerns. 				

PROGRAMME SUCCESSFUL FACTORS

STRONG PUBLIC ENGAGEMENT

Active community involvement throughout the planning and design process is crucial for successful implementation.

COLLABORATION WITH LOCAL BUSINESSES

Partner with local businesses to explore revenue-generating opportunities and ensure the walkways benefit the local economy.

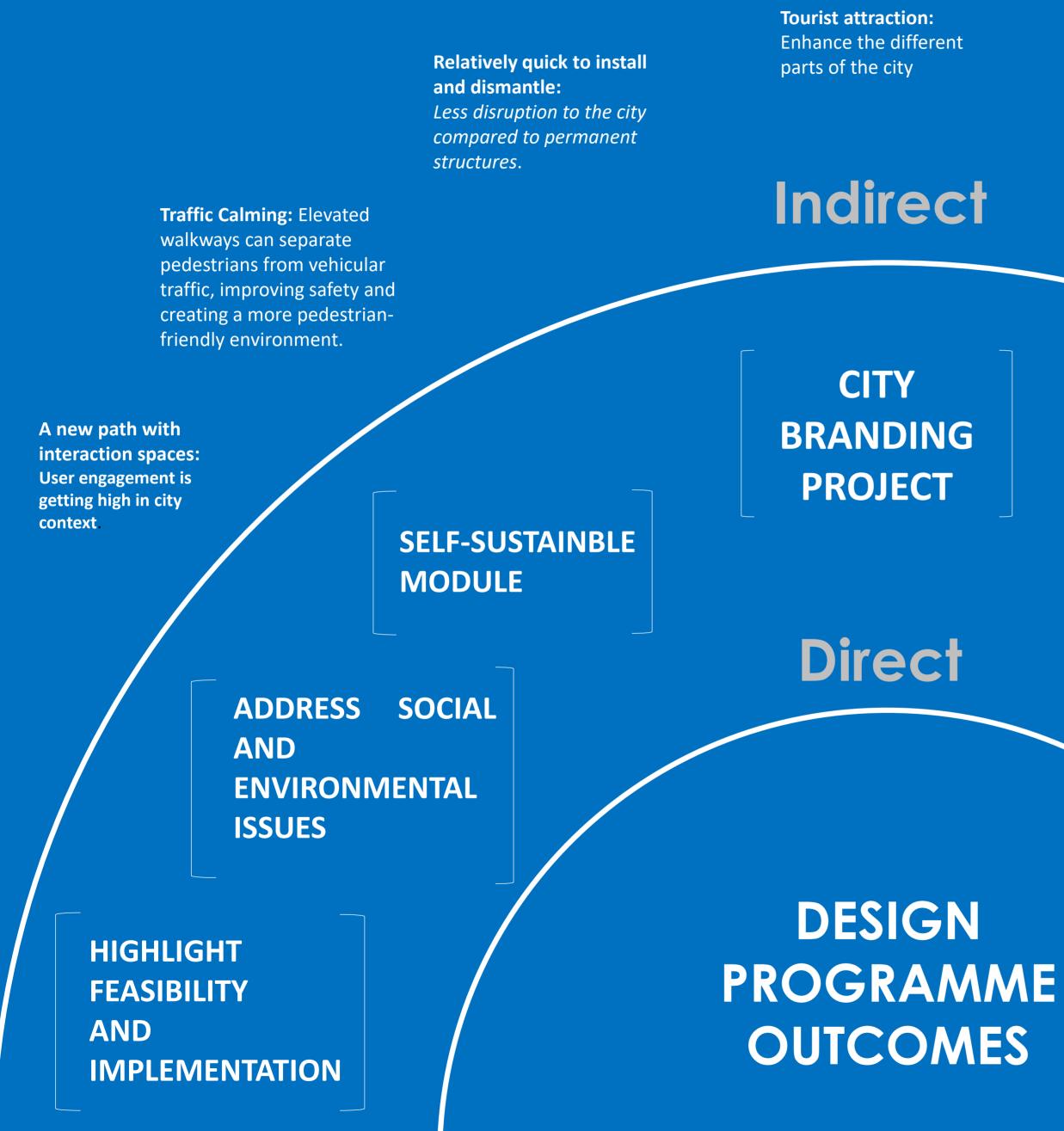
VISUAL APPEALING

The walkways should be aesthetically pleasing, functional, and integrate seamlessly with the surrounding architecture.

SUSTAINABILITY

Use sustainable materials and construction practices to minimize the environmental impact of the project.

DESIGN PROGRAMME OUTCOMES/CONCLUSION



Adaptable:

The design of the pathway can be adjusted to fit different needs and locations.

Minimal environmental impact:

Depending on the materials used, the temporary structure could have a lower environmental footprint than permanent construction.

Flexibility:

Modular systems allow for easy adaptation to different historic streetscapes and future needs.

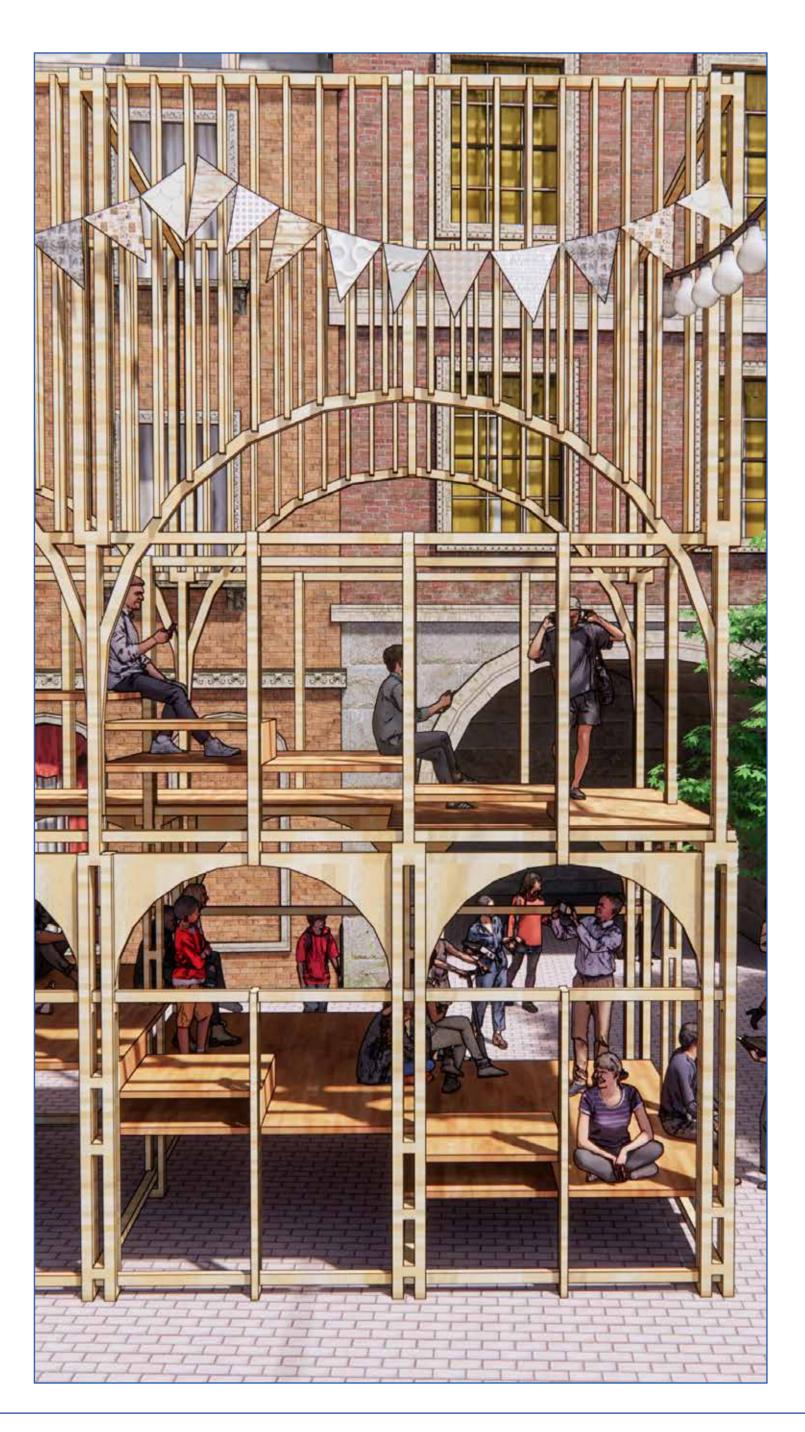
EMPOWER THE COMMUNITY

> **FOCUS ON CO-CREATION**

CONTINUE SHAPING THE CORRIDOR LANGUAGE

DESIGN PROGRAMME OUTCOMES/CONCLUSION





DESIGN TYPOLOGOES



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