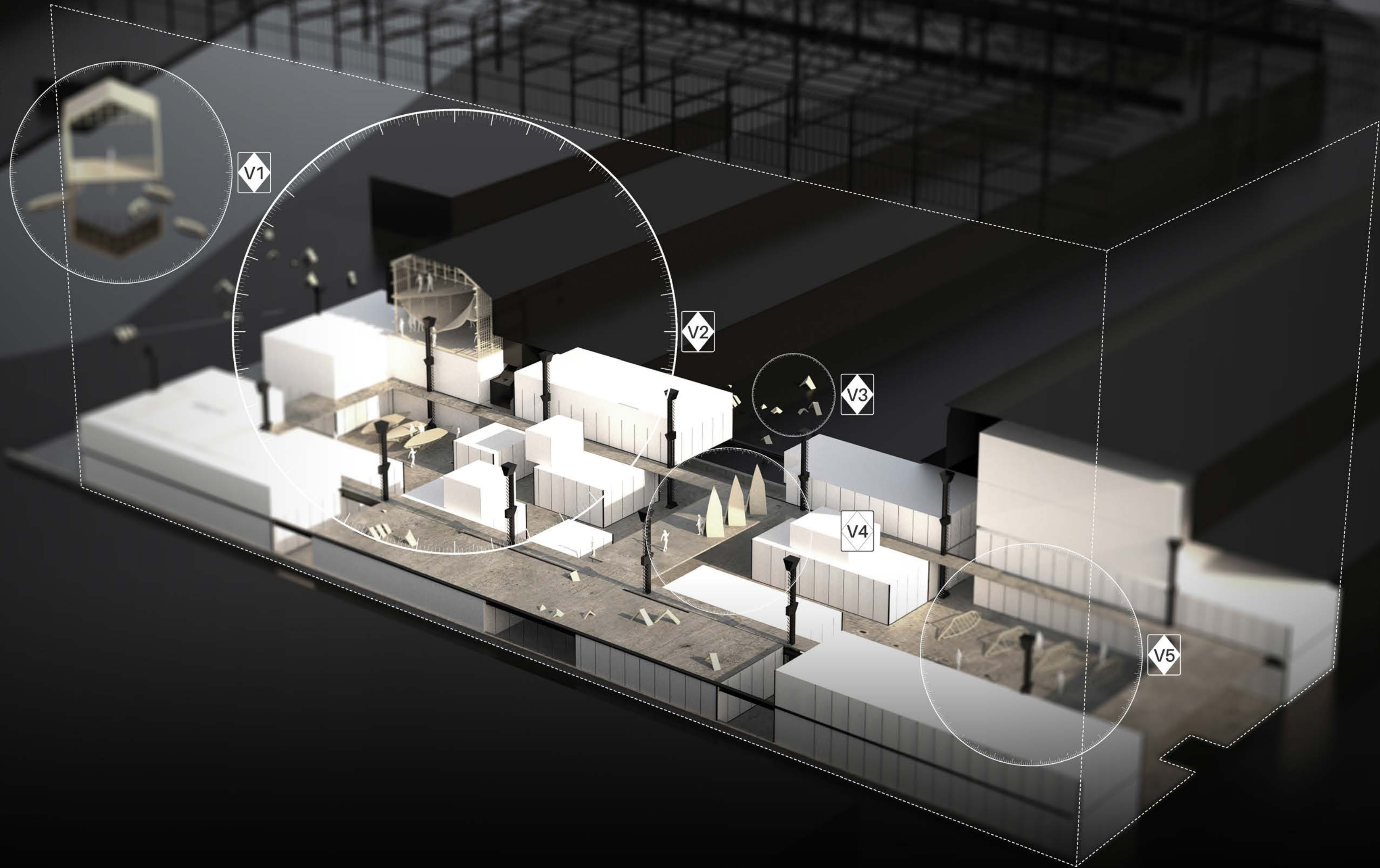| SITE	B.	S.	C.
The Brooklyn Navy Yard	BK	NY	US

SK⊙⊙L HAUS

SKOOL HAUS operates on the principle that learning can happen at any time and in any place. The project proposes a flexible system of diverse components that can be deployed (on land and in water) to accommodate different types of learning environments. The system can also be configured to create inviting urban spaces and cultural platforms for engaging the local community. Taking cues from the rich history and industrial context of The Navy Yard, the project appropriates industrial naval materials, structures and techniques in the design of ONE Lab's new educational facility. The use of innovative timber technology in conjunction with boat building techniques promote an interdisciplinary process that relies on the collaboration between students, boat builders, physicists, fabricators, and material scientists. The result is a smart and sensitive facility that respects the architectural language of Building 128 while providing a space that supports active learning and innovation.

★ Aerial Perspective VIEWS

V1 A floating SKOOL HAUS takes to the New York City waterways for a first-hand discovery of urban ecologies.

V2 ONE Lab space with deployable library and communal work stations filling the Flex Space that leads to the Fab Lab.

V3 Urban Furniture, Landscape Elements and Playscapes encourage interaction between Building 128's Tenants.

V4 Deployable bookshelves and exhibition displays in the Flex Space allow Tenants to openly share their research.

V5 Urban Furniture and Landscape Elements create communal spaces for intellectual debates between Tenants.

ACCESSIBLE LEARNING

Deployable LIBRARY & EXHIBITIONS

SKOOL HAUS operates on the principle that learning can happen at any time and in any place. Taking inspiration from Fjærland, a small municipality known as Norway's Book Town, SKOOL HAUS proposes to have numerous book shelves and exhibitions displays deployed in the Flex Space throughout Building 128.

LEARNING

Native Interior & Exterior PLANTINGS

Urban Furniture and Landscape Elements will enable Building 128's Tenants to cultivate various types of vegetation. These interior and exterior elements will create lively spaces filled with vibrant colors and fragrant smells. There's also the potential to provide a local food source for the Navy Yard and its surrounding neighborhoods.

PLANTING

PLAYSCAPES for Active Education

SKOOL HAUS promotes Active Learning. With this, an important part of the proposal is the idea of Interactive Playscapes (for all ages). Sprinkled throughout the Flex Space of Building 128 and the surrounding site, these elements provide opportunities for users to explore issues related to texture and material, detail and construction, math and science, landscape and ecologies.
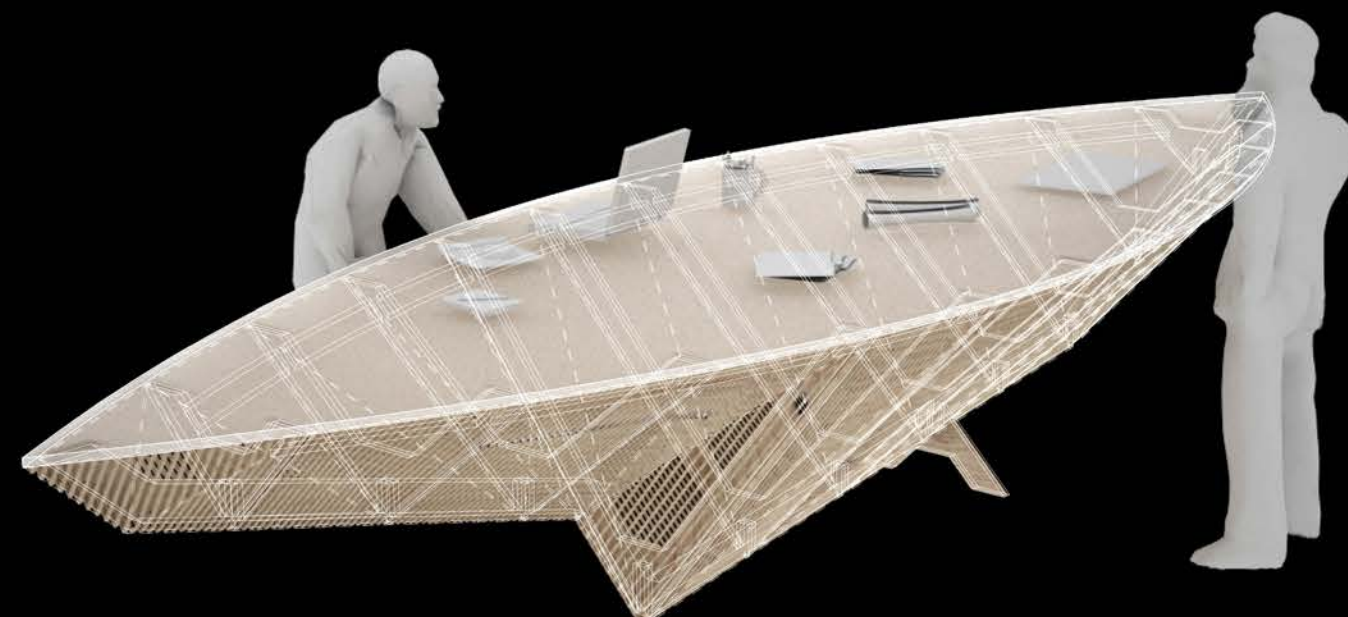
PLAYING

D1 Deployable Library & Exhibition Displays

- Stackable sections for easy assembly.
- Interchangeable ribs at varied depths.
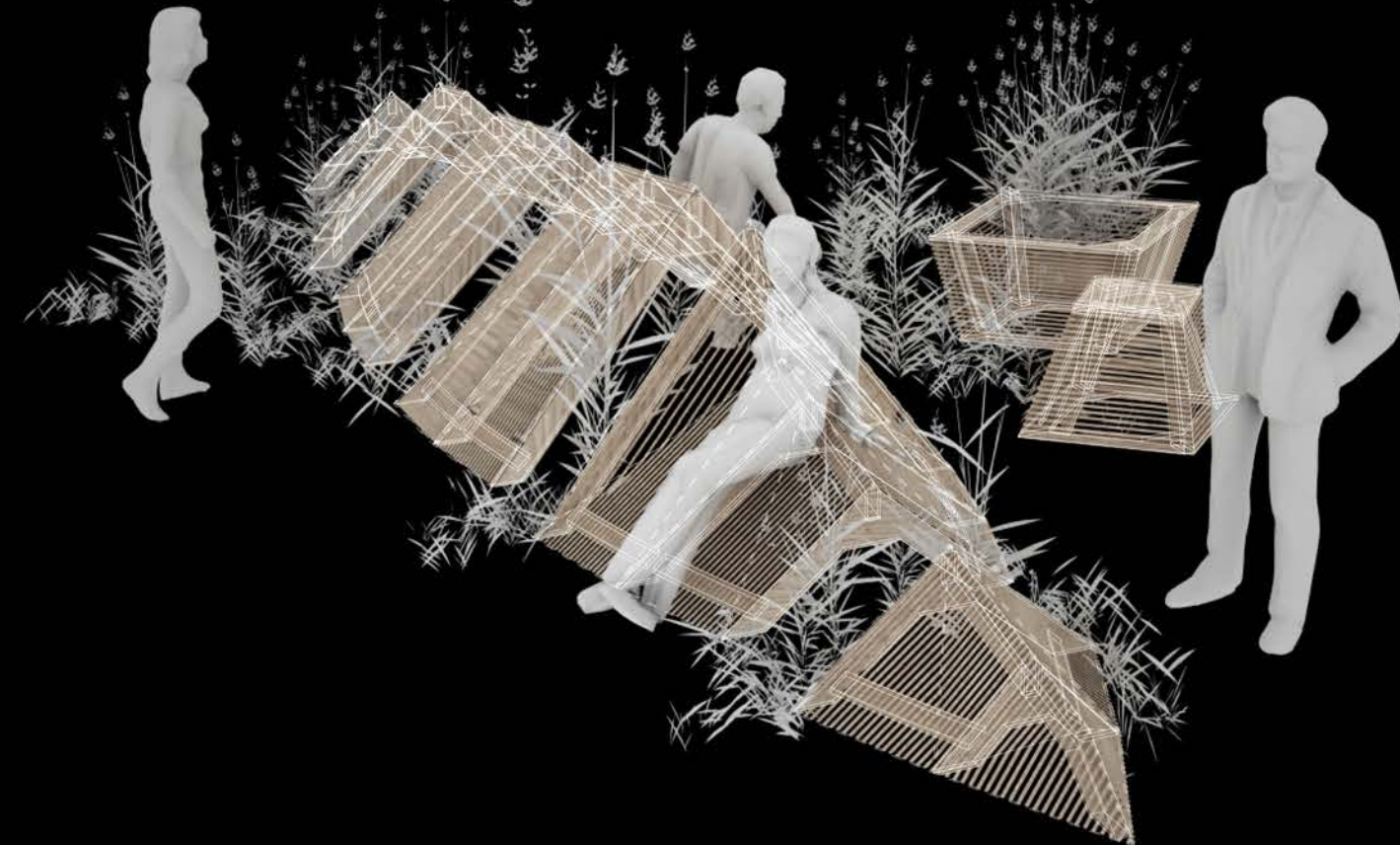- Skin-on-frame construction adaptable for a wide range of materials.

D2 Communal Workstations

- Large surface supports flexible use.
- "Hot-Desking" system encourages collaboration and teamwork.
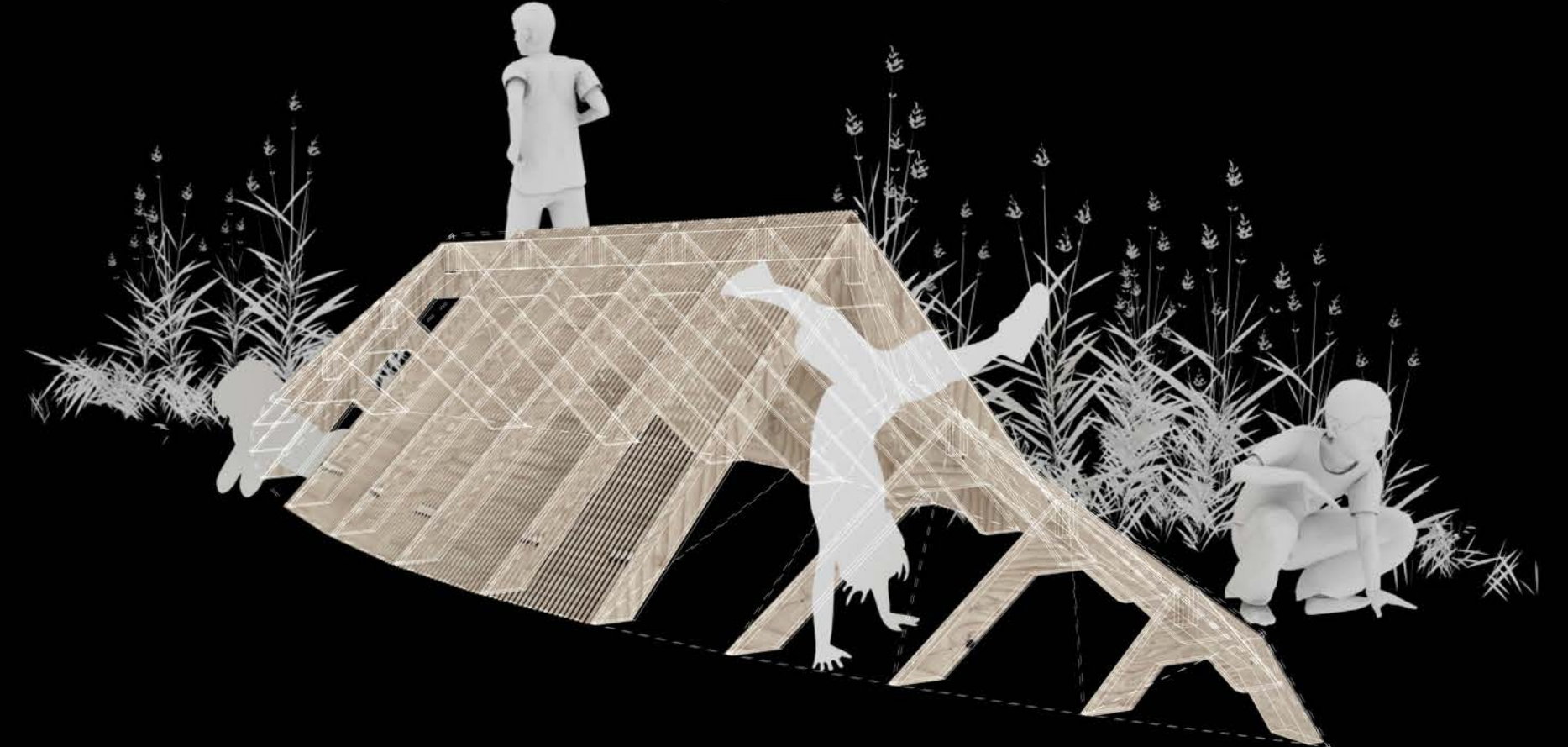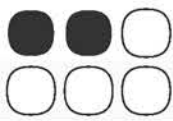- Each station serves as a hub for power and network connections.

D3 Urban Furniture & Landscape Elements *(Indoor & Outdoor)*

- The varying heights of each modular section support different uses, from individual stools to larger seating arrangements.
- Stretchy fabric and other softer materials can be used as the skin.

D4 Interactive Playscapes

- Lightweight version of modules allows children to build their own playscapes.
- Interactive modules promote creative uses.

CONTEXTUAL INSPIRATION

Existing Site Condition

Re-Purposing Industrial PALLETS

SKOOL HAUS proposes to collect and clean-up unused Industrial Pallets in and around The Navy Yard. Once revived, the re-purposed timber is used to create a flexible wall system that can accommodate shelving, projection screens, exhibition boards, etc. The space may become a library, an auditorium, a gallery, and so on...
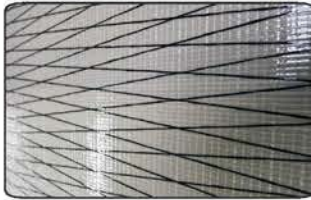
PALLETS

Borrowing BOAT Building Techniques

SKOOL HAUS revisits the boat building roots of the Navy Yard. The project explores complex configurations at various scales. Students will exercise their math, science and fabrication skills in collaboration with professional boat builders to construct learning spaces to be distributed both on land and in water throughout and around Building 128.

BOATS

Classrooms that FLOAT

The construction of SKOOL HAUS enables floating billets and barrels to be inserted into the floor structure. The result is an educational facility that thrives both on land and in water. Thus SKOOL HAUS could be used as a floating classroom to provide hands on educational opportunities to learn about the area's urban ecosystems.

PONTOONS

Seating Textiles Inspired by SAILS

A number of the Furniture elements experiment with the use of sailing textiles. These innovative materials provide durable surfaces for listening and lounging.

TEXTILES

Multi-Functionality with a FLY SYSTEM

The SKOOL HAUS attic space is equipped with a functioning Fly System. This enables users to store components (like lighting, work surfaces, seating elements, etc.) in the otherwise unusable attic space. When needed, elements can quickly and quietly be accessed. The Fly System also speaks to the architectural language and visual aesthetic of the existing building.

FLY SYSTEM

Flexibility with Industrial FORKLIFTS

Inspired by boat storage facilities, SKOOL HAUS operates on the idea of a Dry Stack Storage System. Using industrial forklifts, the varying scales of design elements (shelving units, work surfaces, seating structures, floating floor systems, etc.) can be easily moved throughout the complex to accommodate the diverse needs of Building 128's users.

FORKLIFT

Structure for STORAGE and DISPLAY

The simple timber wall system provides a flexible structure with ample opportunities for storage and display. Among the many potential uses the system may hold books, store fabrication materials, display prototypes/products and provide surface area for the display of visual information. The system appeals to a wide variety of disciplines, from Fashion, to Publishing, to Fabricators, to Information Designers, and so on...

STORAGE

The FLOATING FLOOR System

SKOOL HAUS takes inspiration from urban parking tower structures. With a pulley system in place, users are able to move the "Floating Floor" up and down within the space.

FLEXIBILITY

FLOATING FLOOR SYSTEM

V1 Informal Auditorium Seating & Pin-Up Space(s)
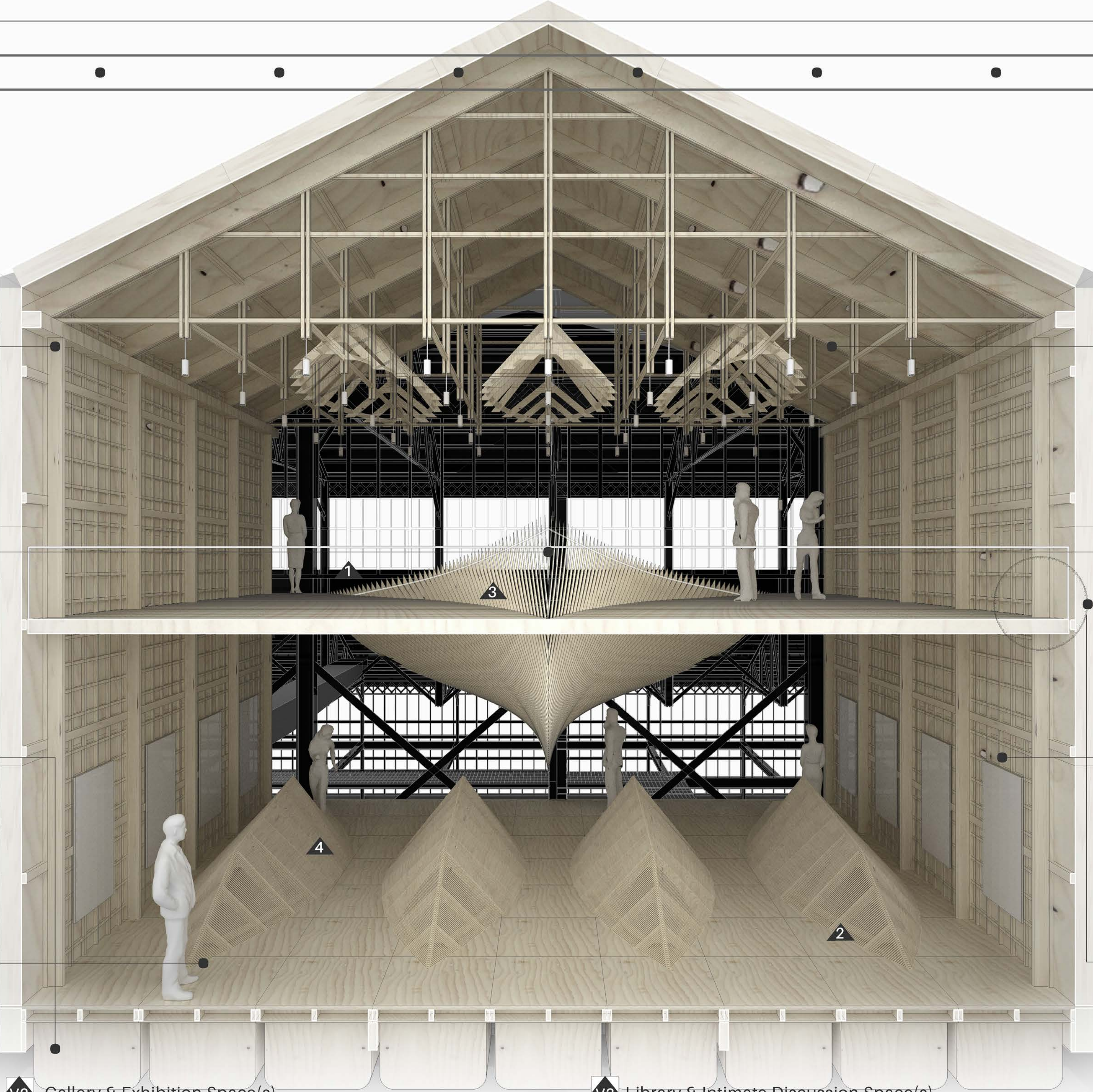
V2 Gallery & Exhibition Space(s)

V3 Library & Intimate Discussion Space(s)

V4 Open Concept Studio Space(s)