LIGHTSHED
ARCHITECTURE

(im)permanence
STATEMENT

TRAIL

SEAT

SHOP

REPAIR

PROTECT

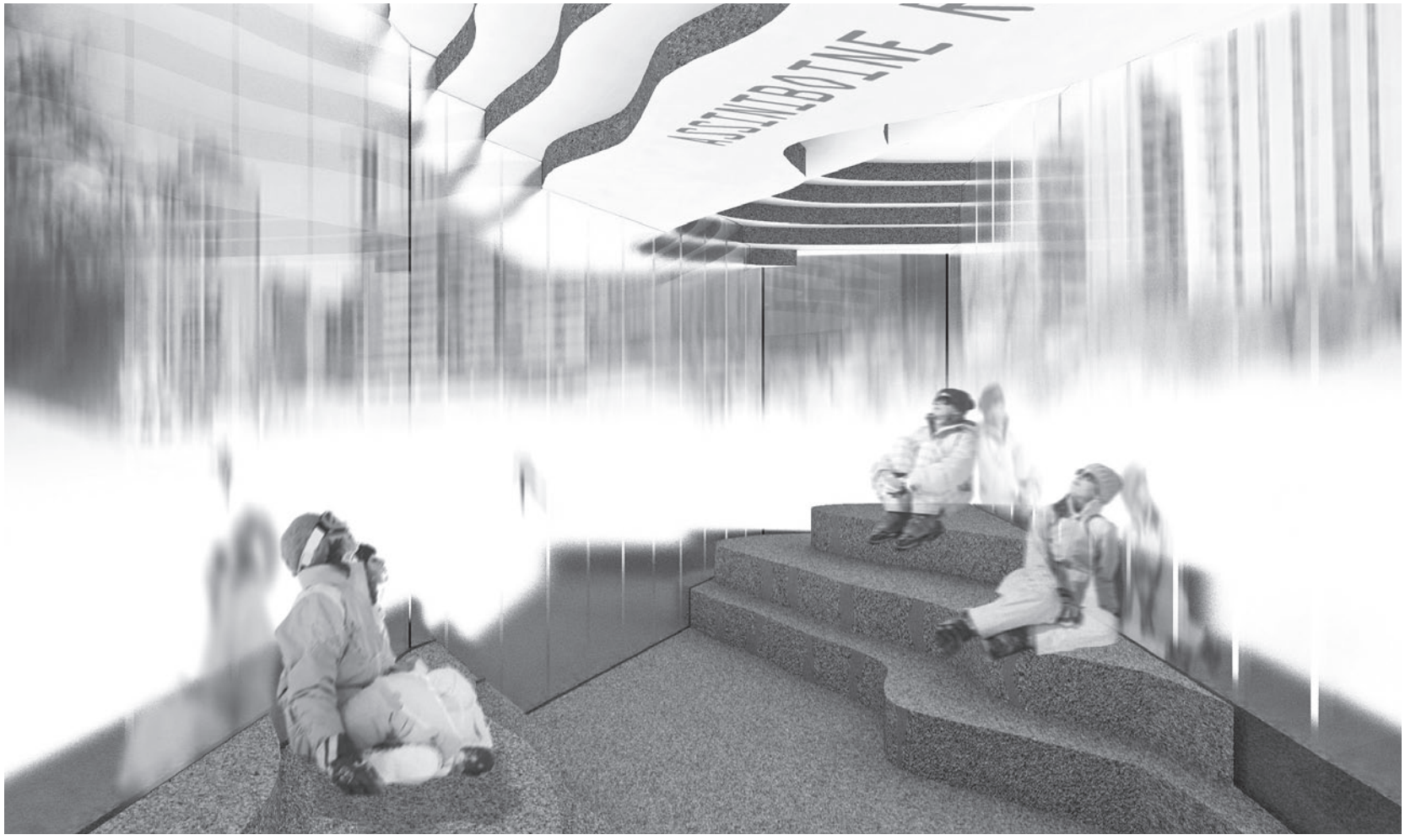
LEARN

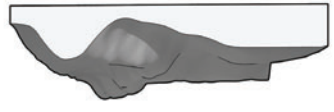
WALK

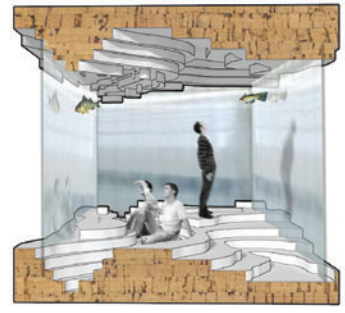
DWELL

TRAIL

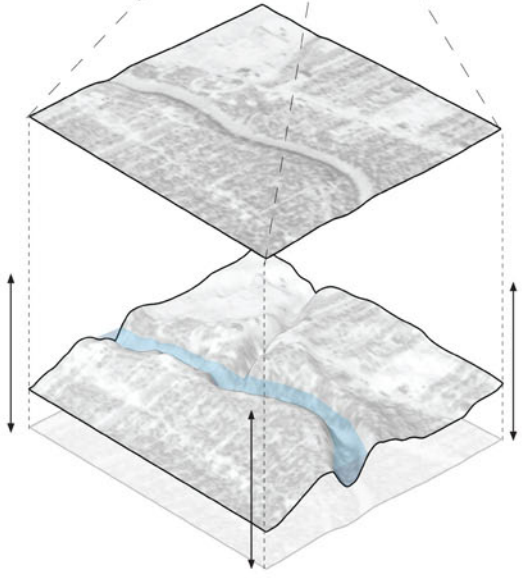
During the winter season, Canada's rivers turn to icy surfaced trails for exploration and adventure. This proposal introduces a trail visitor to a space that reflects the context of the Assiniboine River Trail while providing a warm resting place. By mapping and scaling down an imprint of the adjacent riverbed, the space reveals a hidden topography that supports and shapes the volume of the trail. Upon entry, a visitor occupies the conceptual "in-between" space that resembles suspended water molecules. The ceiling topography (a cast imprint of the sitting surface below) gives a visitor new perspective of the river's depth. A layer of photo-luminescent paint amplifies the ceiling topography and provides a lantern or beacon during the evening. Along with emulating sheets of ice, the poly carbonate walls insulate, stabilize, and allow passive solar gain into the space.

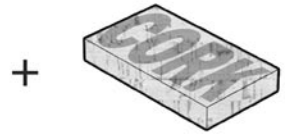


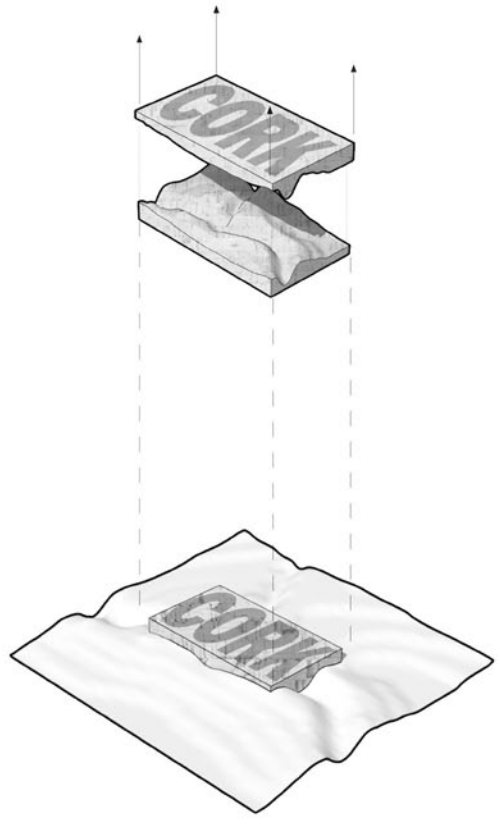


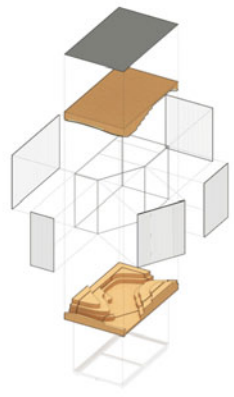



km 7
km 10
km 9
km 8
km 6
km 5
km 4
km 3
km 2
km 1



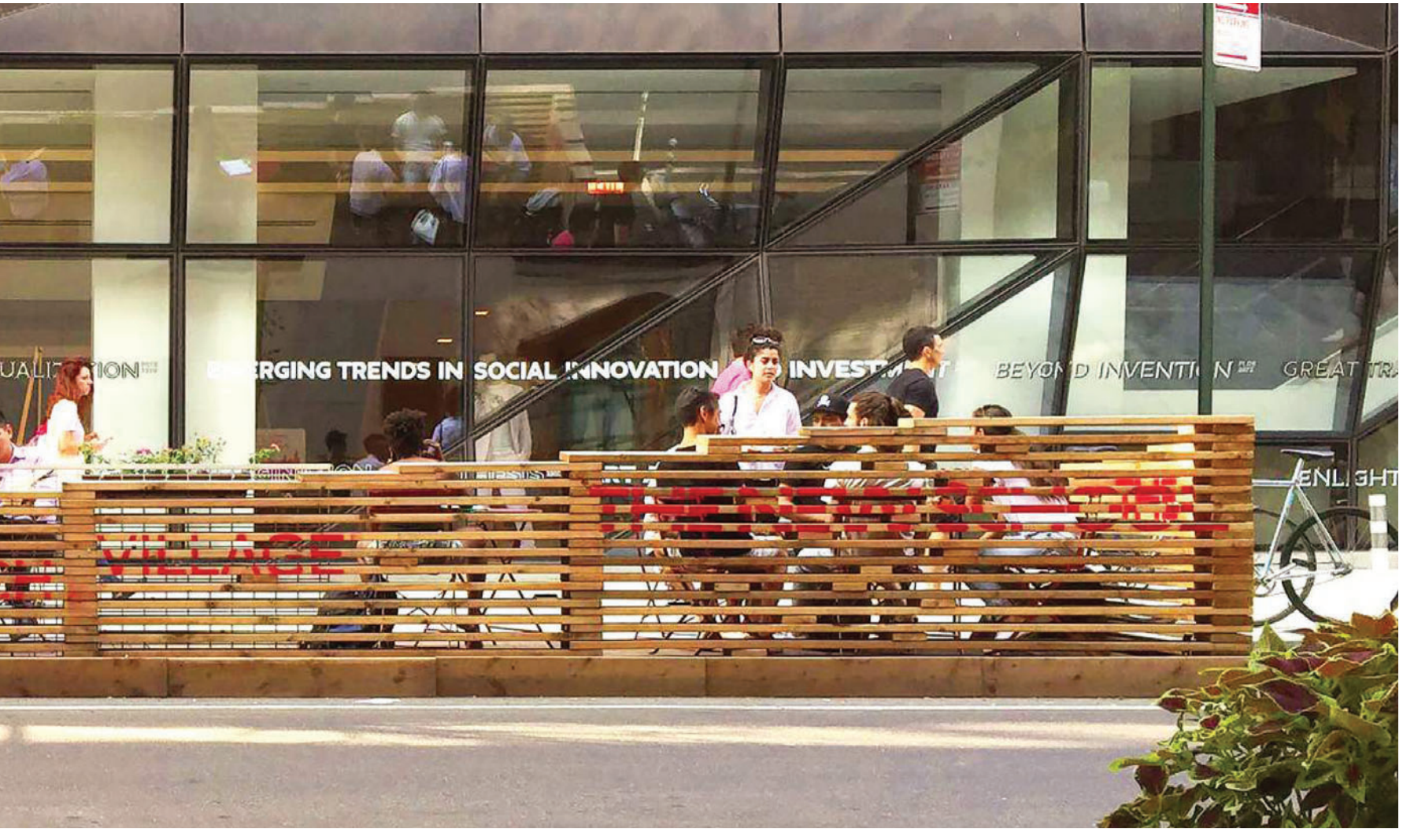

CORK

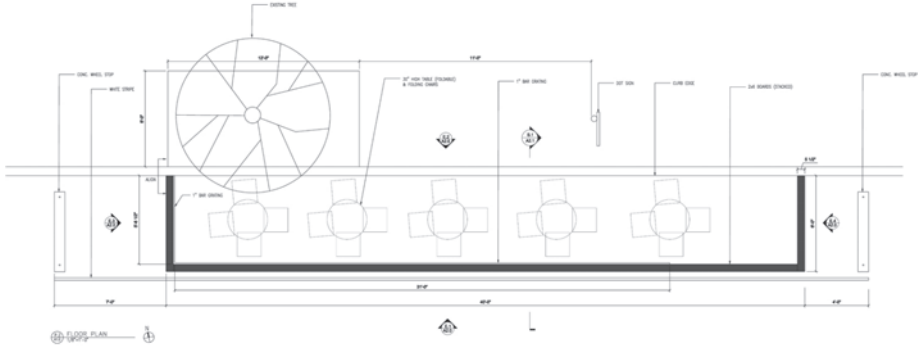

CORK
CORK

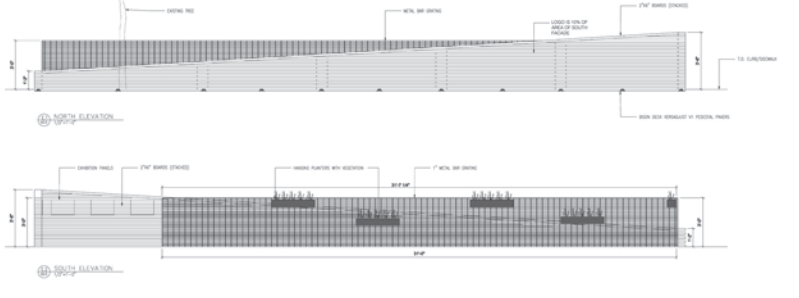


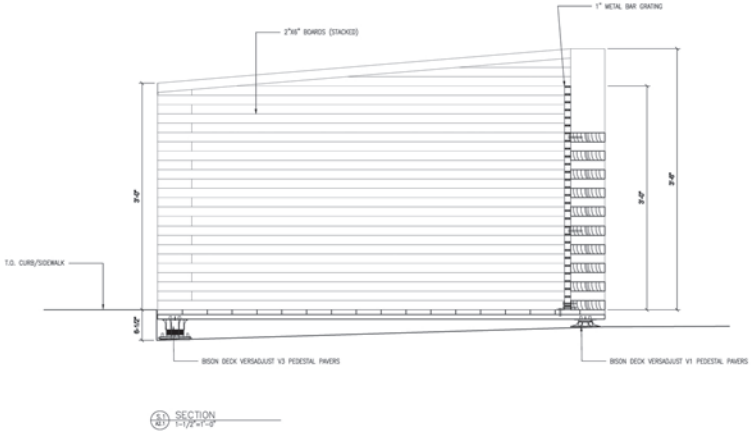
SEAT

The DOT Street Seats is a seasonal program that reclaims portions of New York City's streets for much needed public space. These public spaces generally include an attractive setting for eating, reading, working, meeting a friend, and taking a rest. We worked with the DOT to create a proposal that re-imagines the standard street seats design. This seasonal installation provided a pocket of thoughtful public space at the north-east corner of 13th Street and 5th Ave in the Greenwich Village neighborhood of New York City. The 40 ft x 6 ft design incorporated the necessary seating and tables and utilized off-the-shelf lumber to provide stability, while offering a delicate veil of visual permeability.
The materials will be complete reused and deployed for future outdoor seasons.

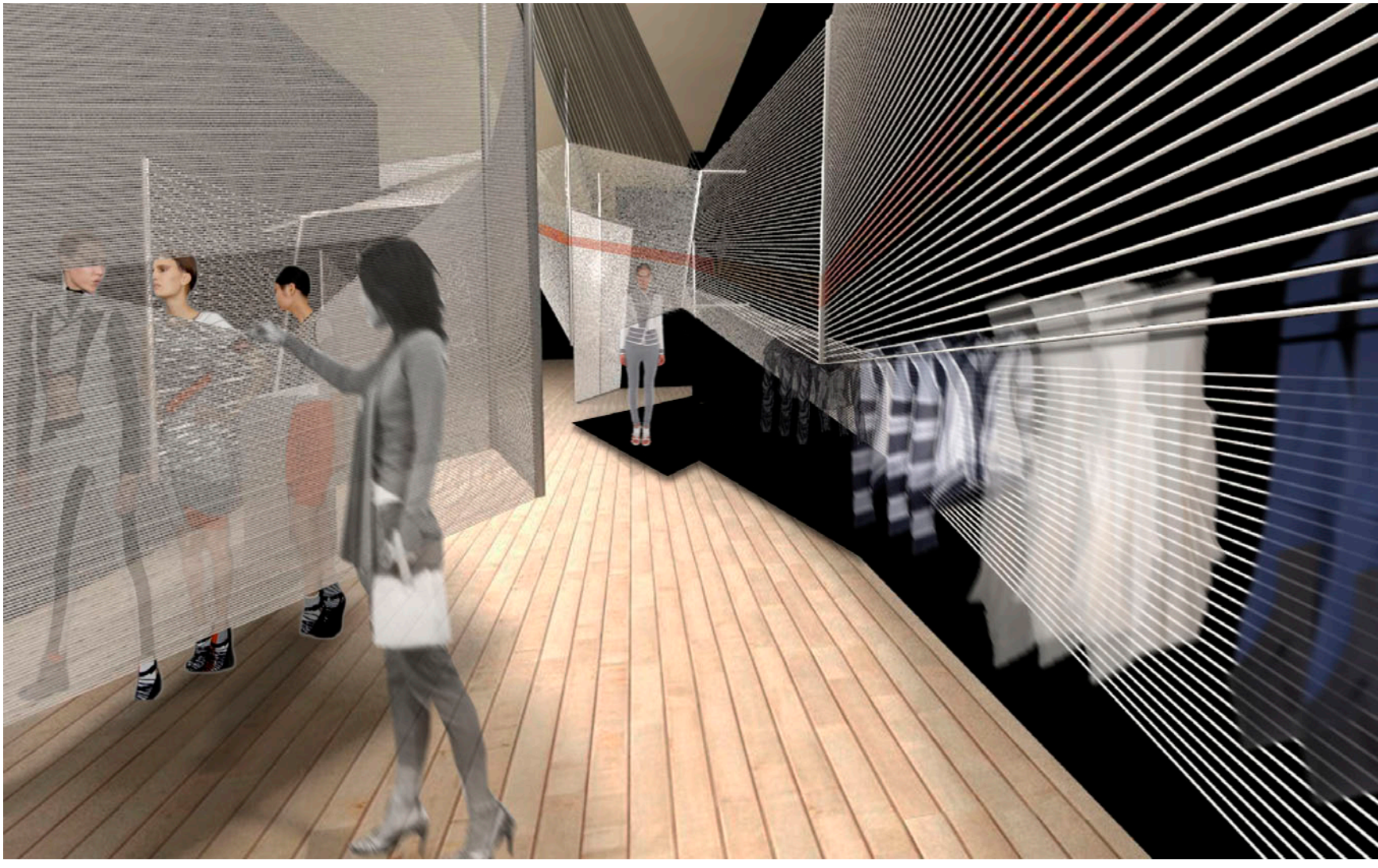

ERGING TRENDS IN SOCIAL INNOVATION
INVEST
BEYOND INVENTION
GREAT
ENLIGHT
VILLAGE






1" METAL BAR GRATING
2"X6" BOARDS (STACKED)
3'-0"
3'-0"
3'-6"
T.O. CURB/SIDEWALK
6-1/2"
BISON DECK VERSADJUST V3 PEDESTAL PAVERS
BISON DECK VERSADJUST V1 PEDESTAL PAVERS
SECTION

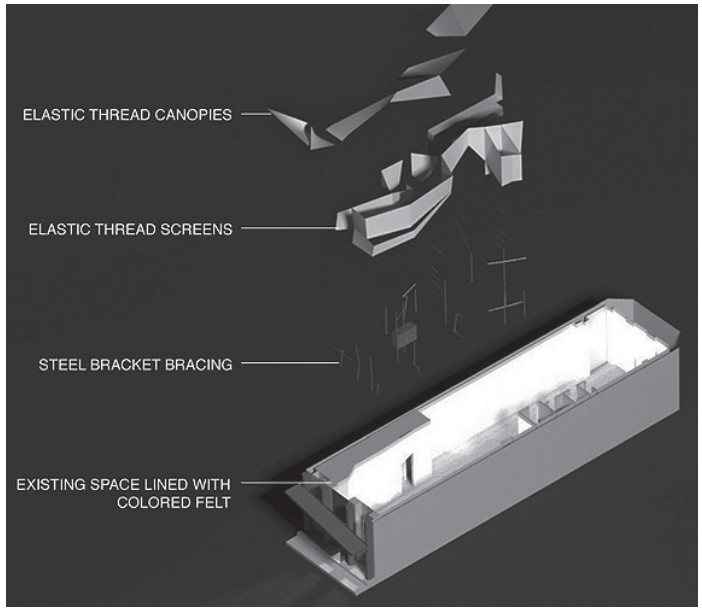

This platform is
public space and
is not reserved
to patrons of any
particular business
Please watch your step

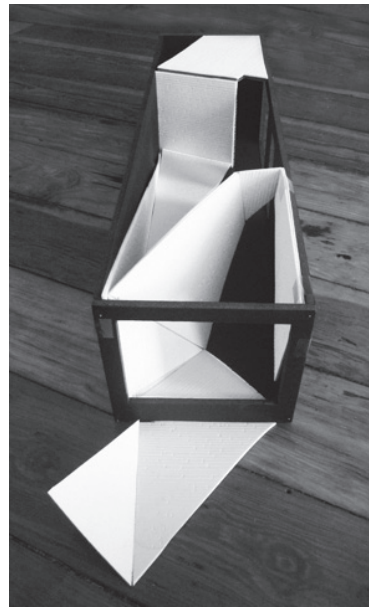


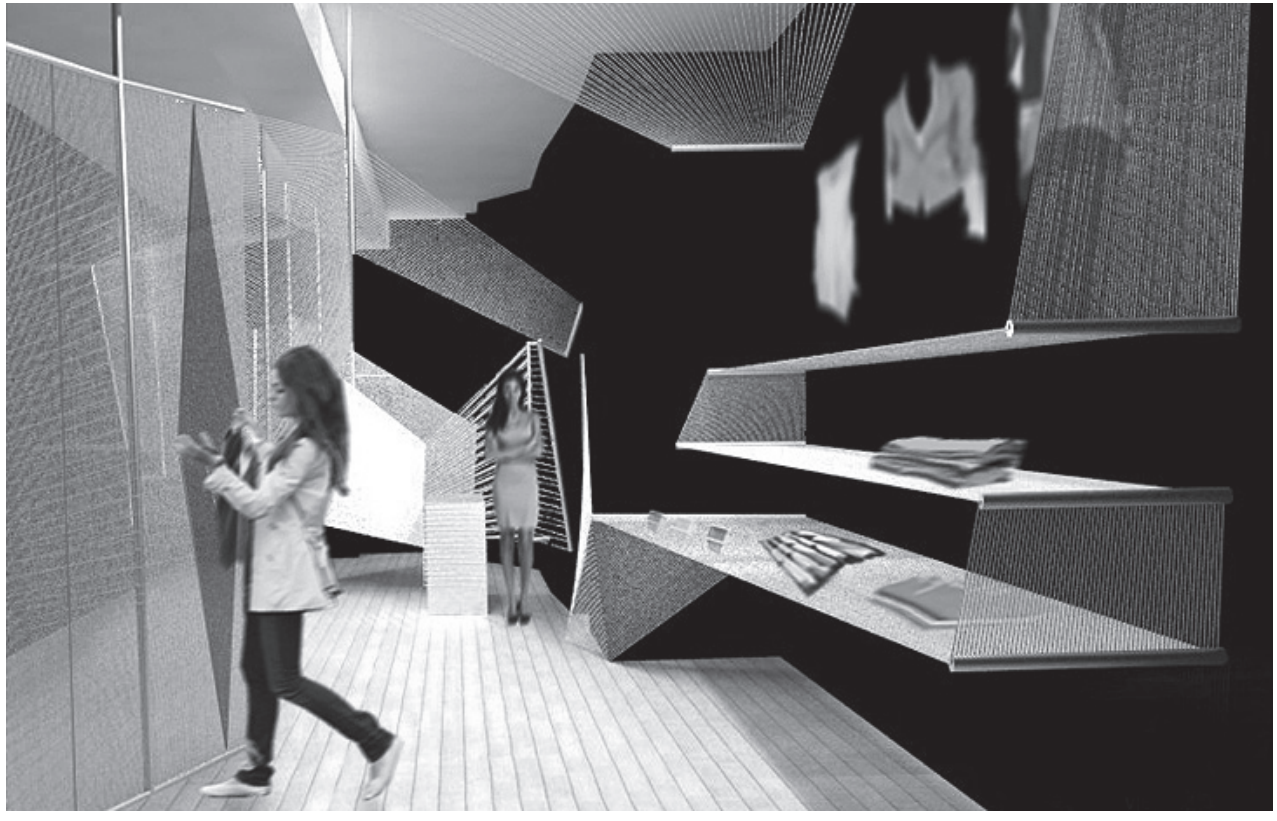
SHOP

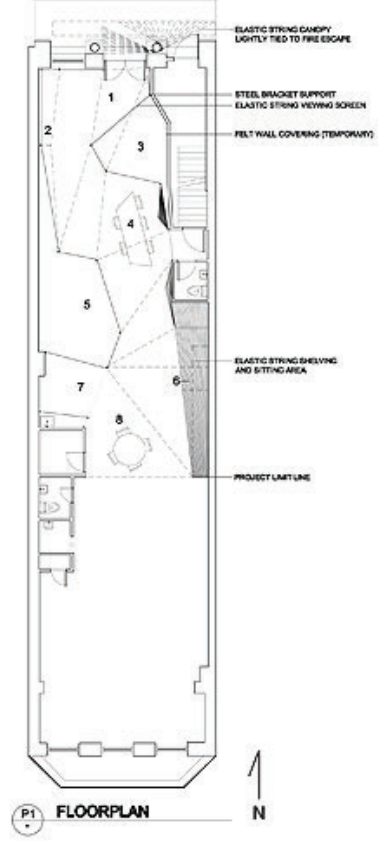
Our design proposal for a pop-up fashion boutique began by re-conceptualizing a simple material: thread. We were interested in exploring the threshold at which a linear element, like thread, begins to take on the properties of a planar surface. This process of transformation, from line to plane, is the very foundation of textile manufacturing. Our proposal seeks to translate this concept into an installation by, in effect, magnifying the detail. Controlling the adjacency and directionality of many individual threads would allow us to create surfaces that screen, guide, and encourage visitor interactions.

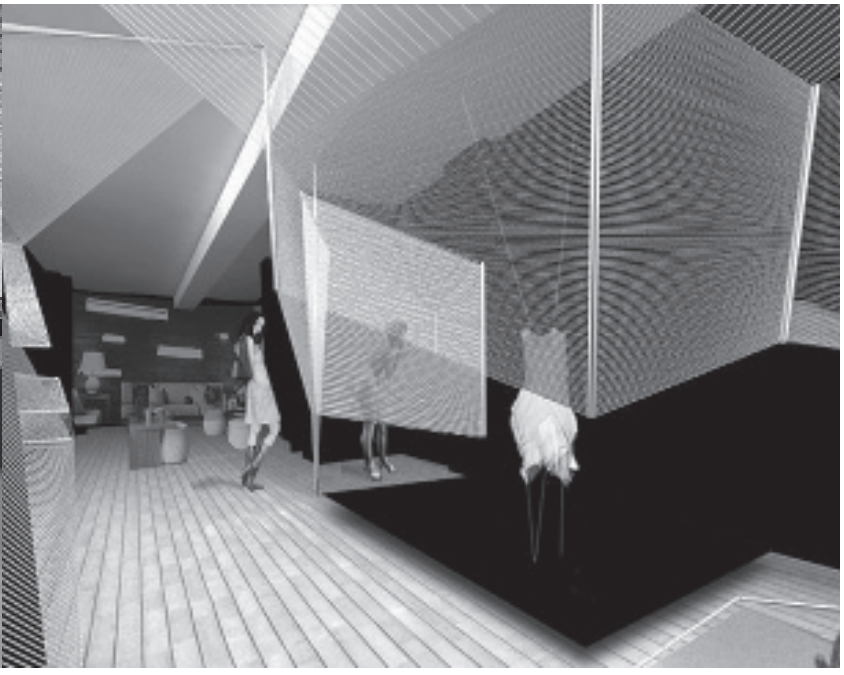
It is based on the ancient technology of a simple loom, whereby a “warp” layer of thread is stretched across a rigid frame. In this case the elastic thread is to be guided by a system of prefabricated steel scaffolds that can be fully recycled. The planes created by the threads form screens, shelving, presentation spaces, and fitting rooms for the shop.

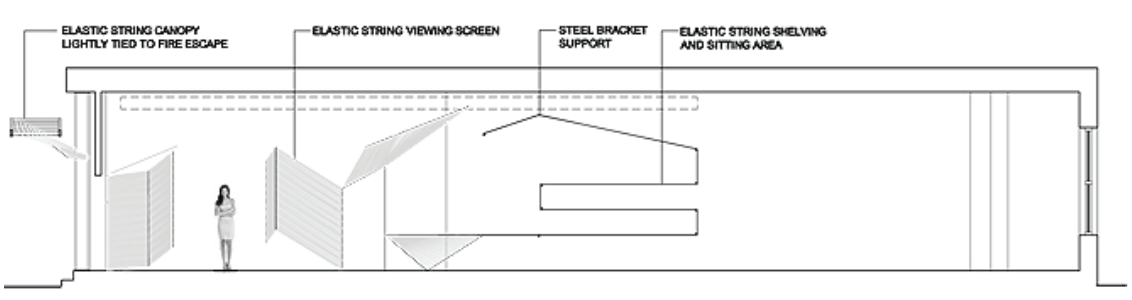

ELASTIC THREAD CANOPIES
ELASTIC THREAD SCREENS
STEEL BRACKET BRACING
EXISTING SPACE LINED WITH COLORED FELT



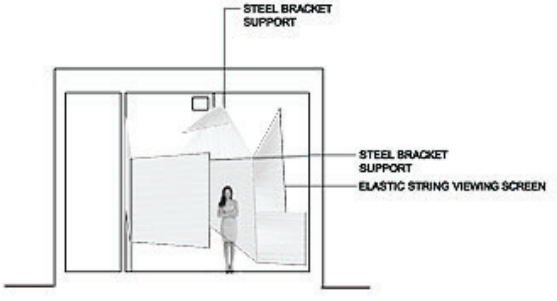



ELASTIC STRING CANOPY LIGHTLY TIED TO FIRE ESCAPE
STEEL BRACKET SUPPORT
ELASTIC STRING VIEWING SCREEN
FELT WALL COVERING (TEMPORARY)
1
2
3
4
5
ELASTIC STRING SHELVING AND SITTING AREA
6
7
8
PROJECT LIMIT LINE
P1
FLOORPLAN
N





S1 - LONGITUDINAL SECTION FACING EAST



S2 - SHORT SECTION FACING SOUTH

REPAIR

The Bicycle Outpost is a prototype that explores infrastructure for cyclist by providing amenities regarding maintenance, repairs, and education. The Outpost is mobile and dimensioned so it can move between various indoor and outdoor locations. The construct provides tools, air pump, built-in bicycle stand, photo-luminescent paint, and vending machine for patch-kits and lights. Fabrication techniques of CNC milling plywood allowed for easy fabrication and assembly in a single day.

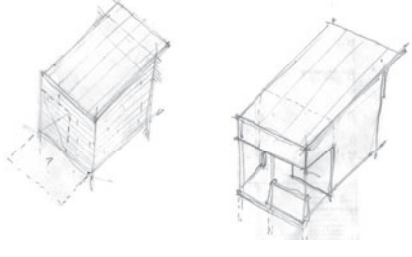

BICYCLE


BICYCLE
OUTPOST


THE NEW
SCHOOL

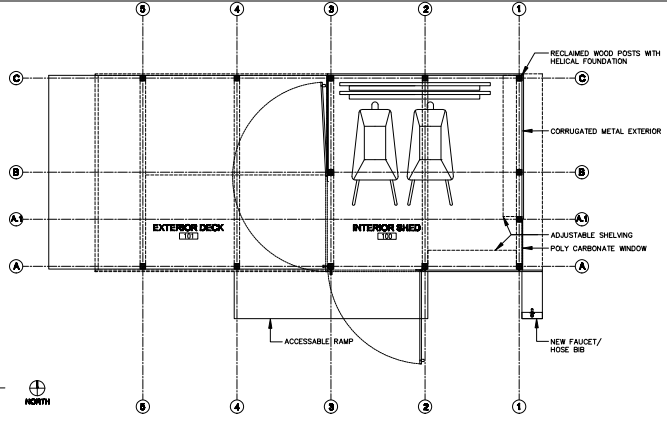
PROTECT

This design-build project for an educational farm in Homestead, Florida helps to support their public teaching program with livestock. Built from free, reclaimed cypress, this structure provides shelter for the goats and border collie living on the farm. The design allows the structure to be open completely through the north-south axis, while adding overhead enclosure for protection from the elements.

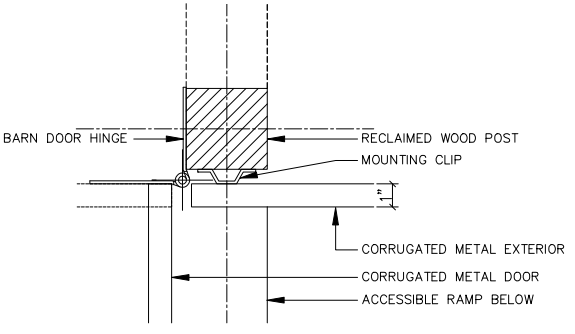


LEARN

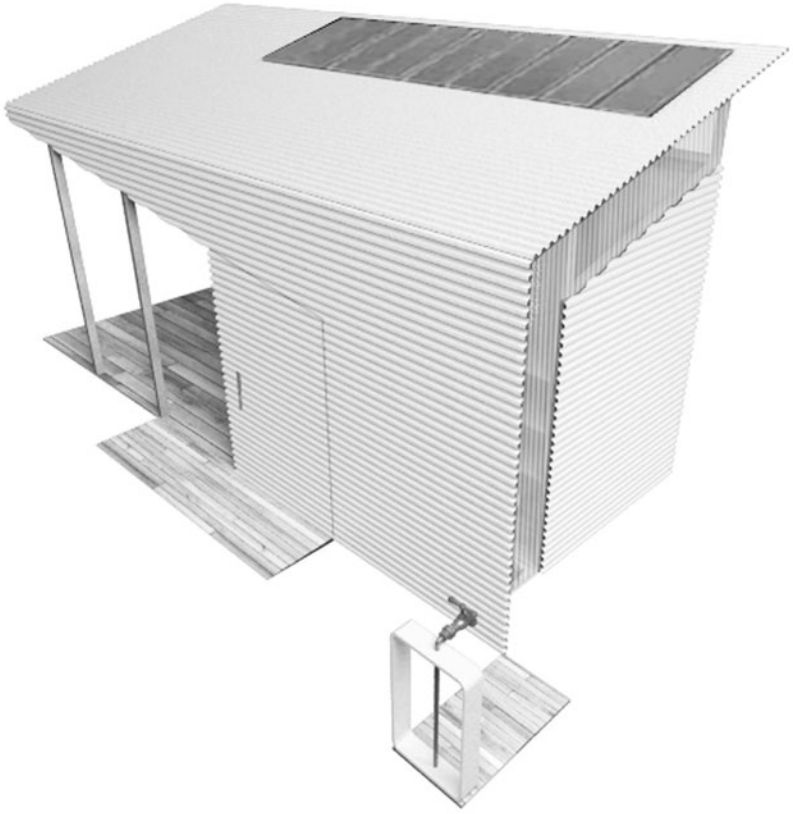
The design for the Ward 1 Learning Shed aims to become a “living & functioning landmark” for the Sudbury Community Garden located in Ontario, Canada. The construction method utilizes reclaimed lumber as the structural frame for a corrugated metal cladding. The corrugated metal serves as a durable and inexpensive skin, which is able to resist harsh weather and everyday wear-and-tear. A helical pier foundation provides stability, while maintaining flexibility for the structure to be moved if needed. Two main doors open the corner, allowing the interior space and exterior deck to become a singular learning space. With the large doors and accessible ramp, the shed can easily accommodate any user and the loading/storage of larger tools.

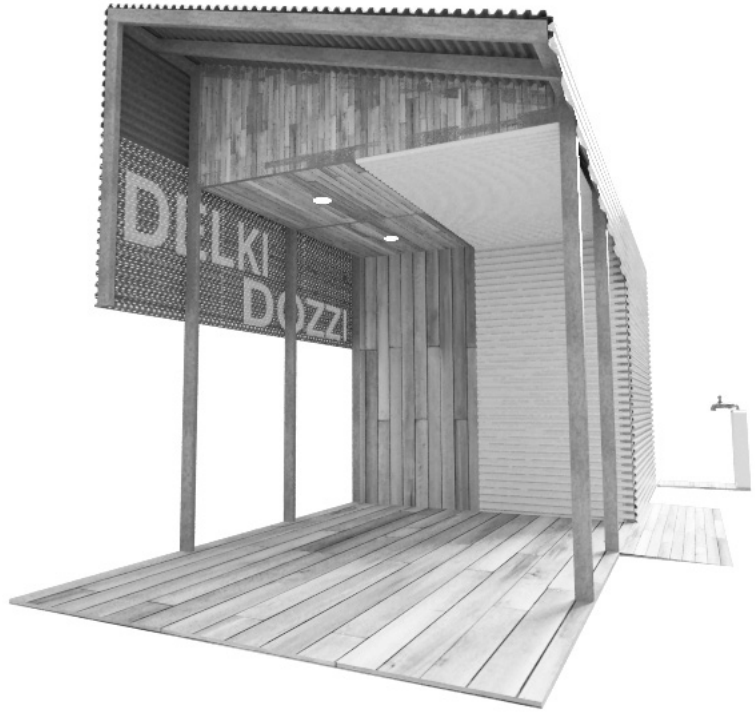


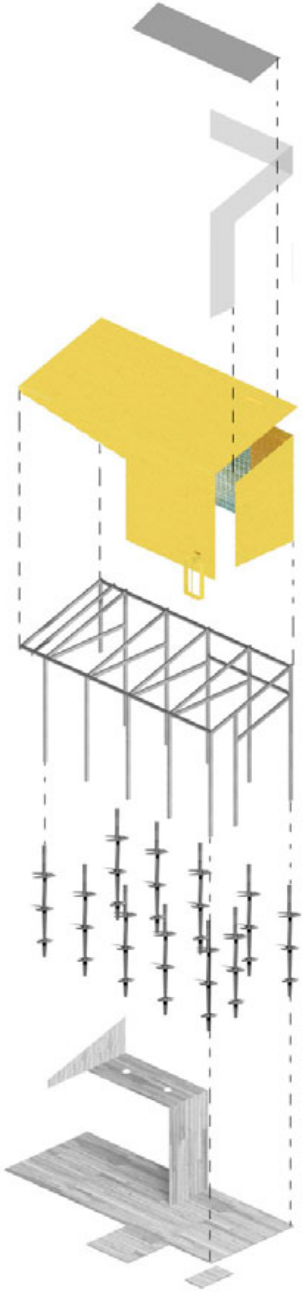
P.1 / A1.1 MAIN FLOOR PLAN NORTH



D.1 / – DOOR & STRUCTURE DETAIL

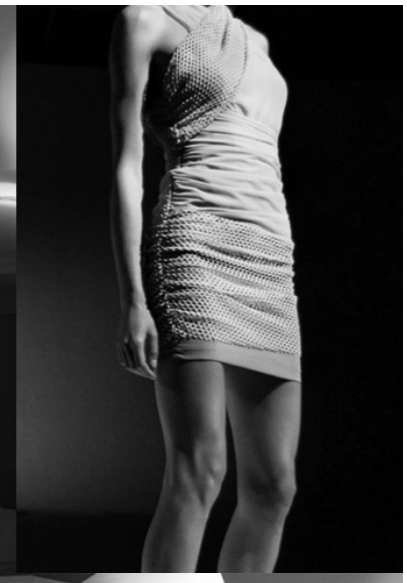


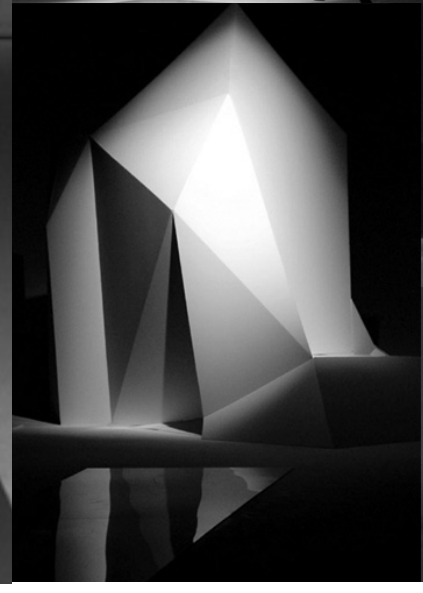


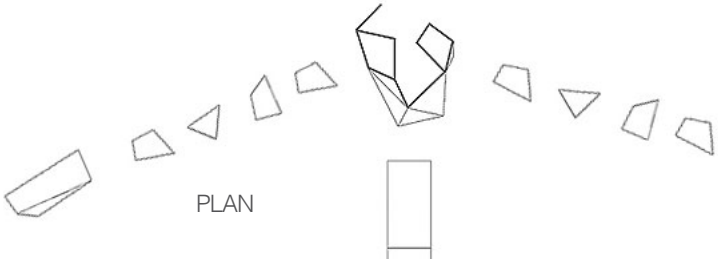


WALK

The goal of this installation was to create a mobile runway for public fashion shows in New York City. The design can take on multiple configurations and mainly utilizes dramatic light and shadow by way of a simple structure. This glacier-like structure aligns with the "runway of light" setting up the main axis for a presentation. The facets of this "glacier" interact with other light sources to create a fulcrum from which light is received and reflected. The structure is formed from interlocking sections of powder coated sheet metal that can collapse for transport and easily expand in a new space.

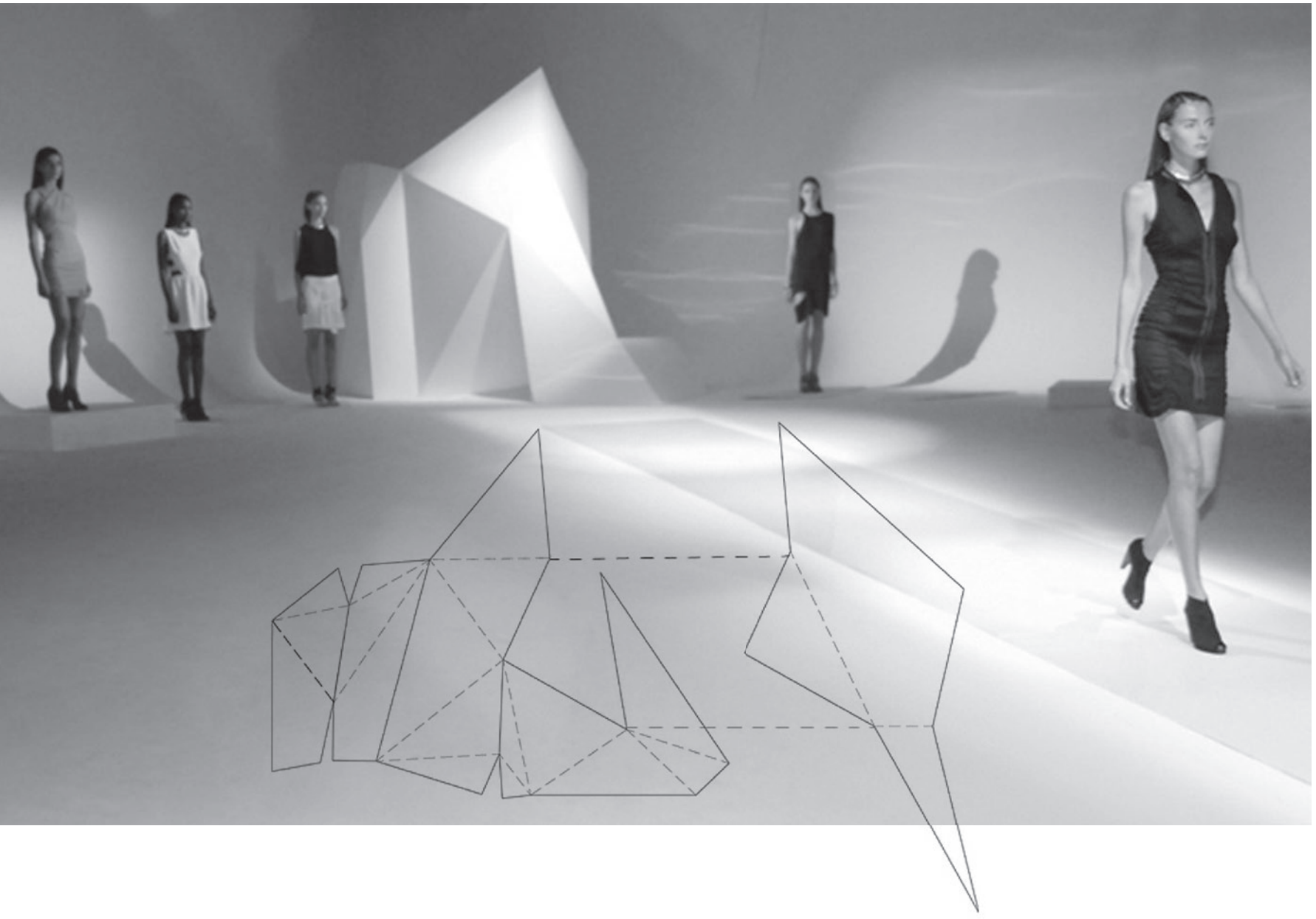






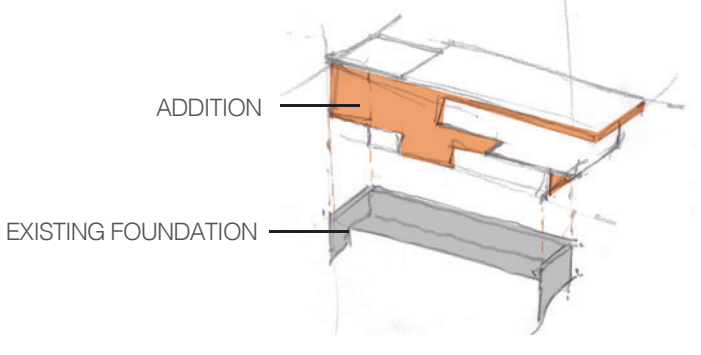
PLAN

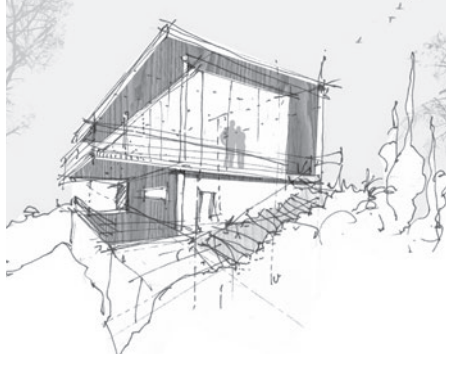
SECTION

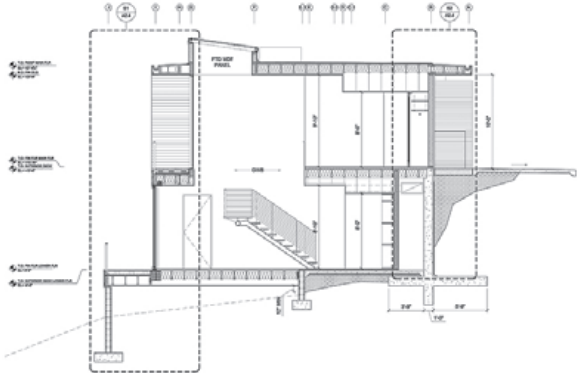


DWELL

This two story residence was designed to slip over an abandon concrete foundation using high efficient wall systems and locally milled cedar panels. The design strategy opens up the southwest facade to take advantage of the seasonal transition provided by the deciduous tree canopy. Vibrant shade and light fill the openings during warm months, while the spaces receive passive solar heating during the winter months. Lastly, the two levels of the house shift horizontally to create internal openings that connect the existing concrete spaces with penetrating light from the tree tops above.


ADDITION
EXISTING FOUNDATION





EAST-WEST SECTION
1/8"=1'-0" FACING NORTH