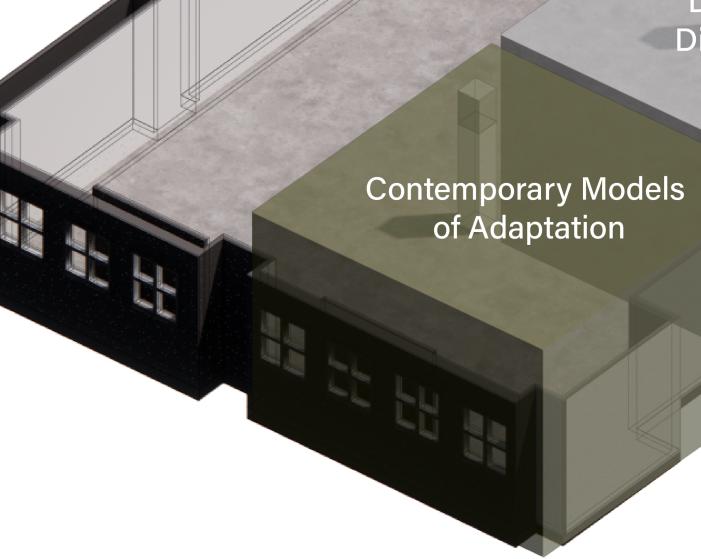
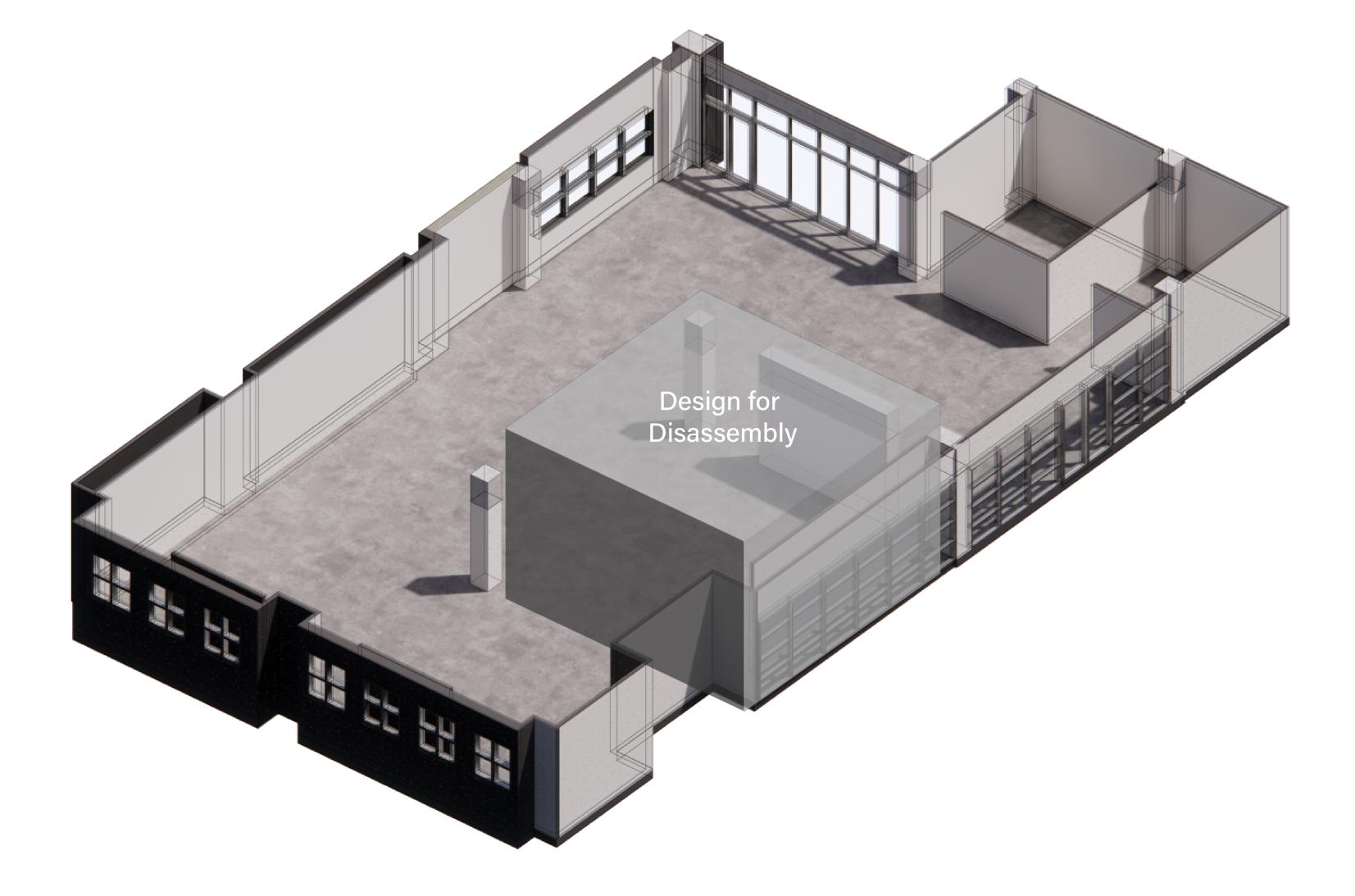
05 / DESIGN FOR DISASSEMBLY

INTRO CONCEPT DESIGN ROOMS MORE

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Design for Disassembly



INTRO CONCEPT DESIGN ROOMS MORE

ROOM 05 / DEFINITION





INTRO CONCEPT DESIGN ROOMS MORE

Design for Disassembly (DfD) is the design of buildings to facilitate future changes and dismantlement (in part or whole) for recovery of systems, components and materials. This ensures the building can be recycled as efficiently as possible at the end of its lifespan. Rather than ending up in a landfill, materials should find their way back into the "reduce, reuse, recycle" loop.

DfD involves understanding the structure's complete lifecycle and making provisions for the reuse of its parts in order to reduce both the consumption of resources and pollution.

ROOM 05 / CASE STUDY



INTRO CONCEPT DESIGN ROOMS MORE

Re-Source Exhibition / Lanza Atelier

NEW YORK, NEW YORK NOVEMBER 2021

Architecture studio Lanza Atelier has lined an art exhibition in New York with plywood tables and stools in varying sizes, which can be disassembled, flat-packed and distributed among visitors at the end of the show.

These are used to display 26 works from eme architects and designers, composed entirely fr leftover materials found in Storefront's storage When visitors purchase an artwork from the sh will also be able to take home the furniture piece which it was displayed in a bid to extend its lifes

"We wanted to propose an exhibition design that could have an afterlife," Lanza Atelier founding partner Isabel Martínez Abascal told Dezeen. "This means that the pieces work together as a whole but can then be distributed and become something else."

-Dezeen

ROOM 05 / CASE STUDY



INTRO CONCEPT DESIGN ROOMS MORE

Infinite Spaces / Refik Anadol Studio

ISTANBUL, TURKEY OCTOBER 2019 - OCTOBER 2020

Infinite Space is a collection of works that seeks to cleanse the doors of perception with the tools available to twenty-first-century artists. The exhibition explores memories and dreams through the mind of a machine by using data sets ranging from human memories, photographs of Mars, cultural archives and sea surface activity as data sculptures and paintings. These artworks are then displayed using immersive projection.

Our exhibit imagines a future where you can pack up your house and move it, a future where your home becomes your key to climate challenges. It allows visitors to physically explore this dynamic mode of thinking by projecting endless possibilities around them, and inviting them to build and manipulate these habitats in innovative ways to create a true community of climate citizens.



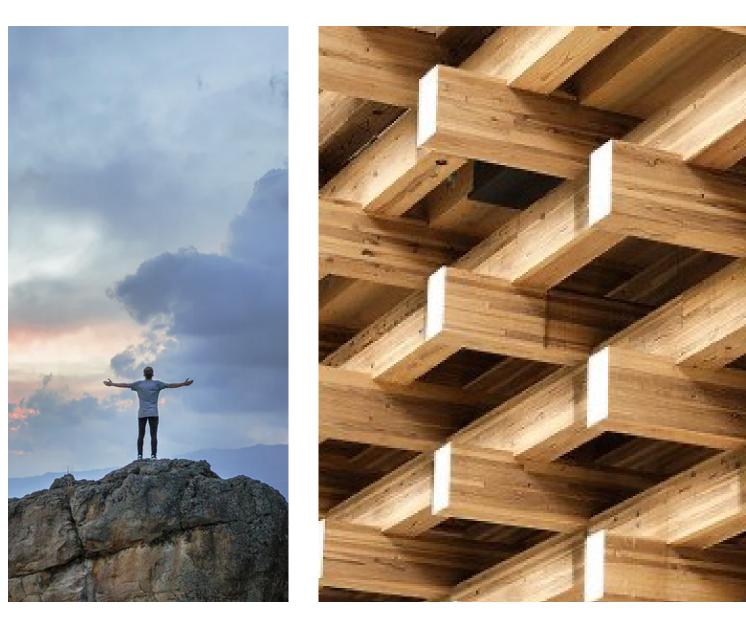
INTRO CONCEPT DESIGN ROOMS MORE













INTRO CONCEPT DESIGN ROOMS MORE

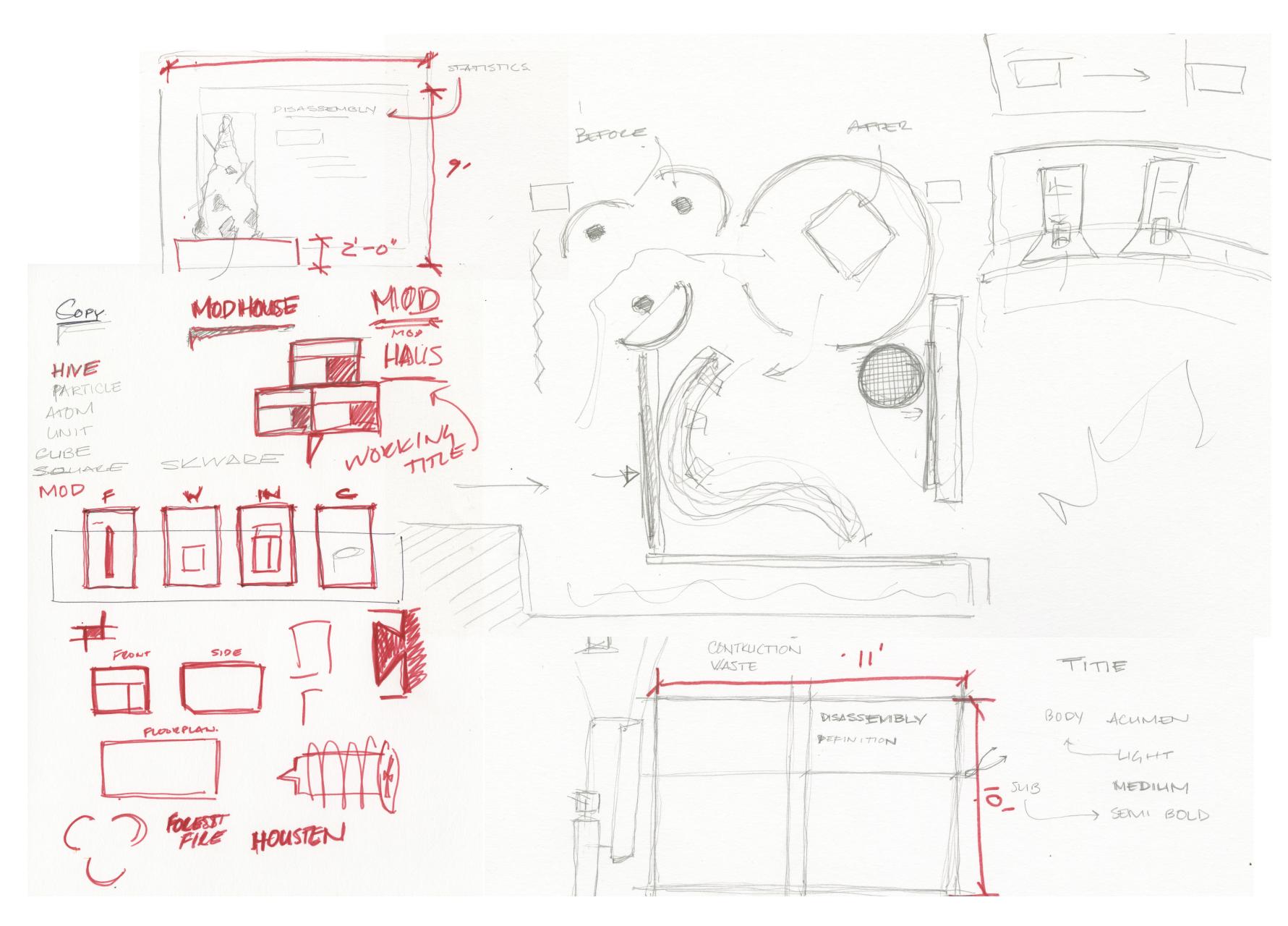










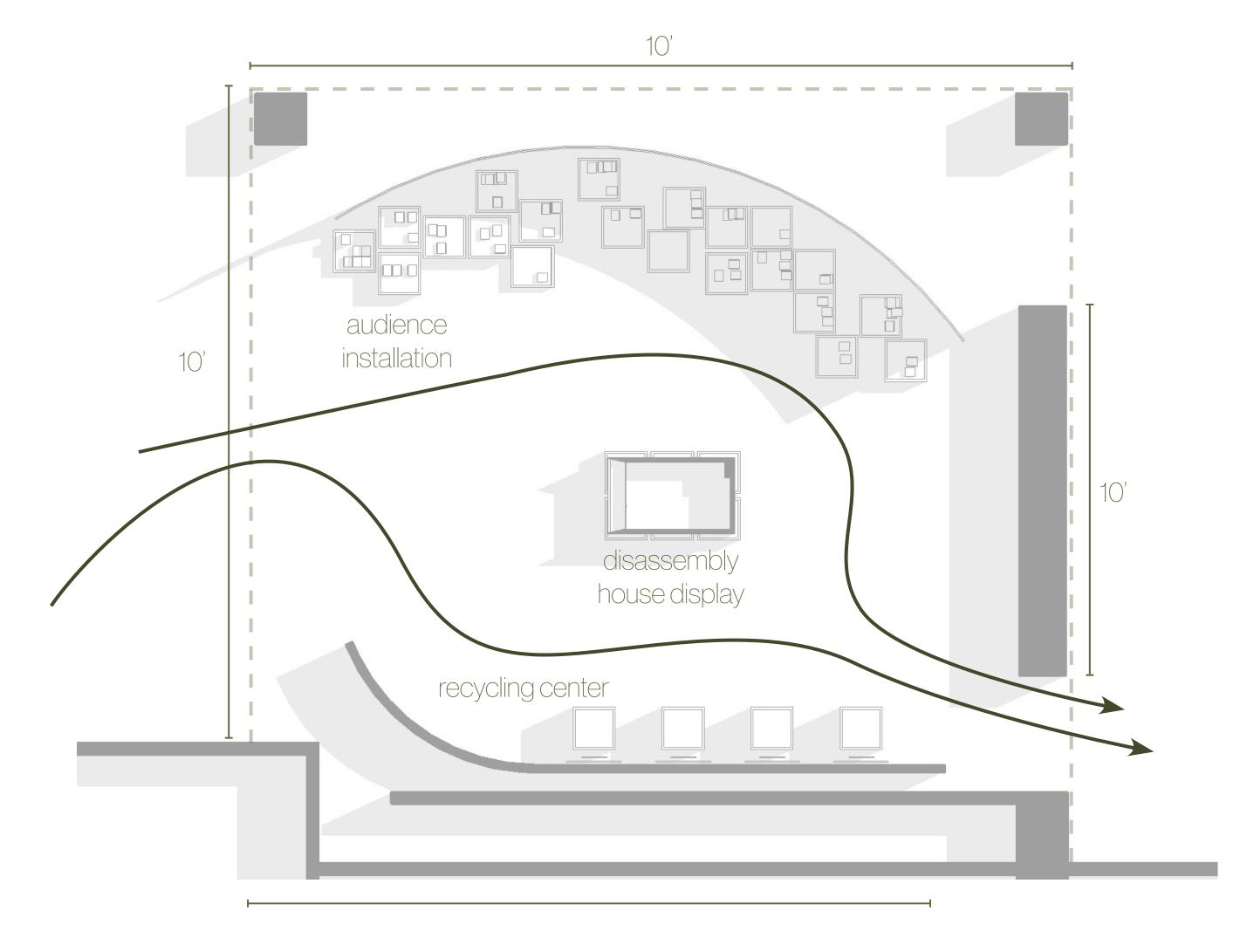


INTRO CONCEPT DESIGN ROOMS MORE

Ideation sketches explore different ways of deconstructing and demonstrating the concept of design for disassembly.



INTRO CONCEPT DESIGN ROOMS MORE



INTRO CONCEPT DESIGN ROOMS MORE



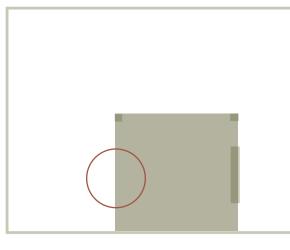




INTRO CONCEPT DESIGN ROOMS MORE

As the audience enters the space they are presented with a choice to move their house into the projected environment or to disassemble it.

> floor graphic acts as wayfinding: move or disassemble.



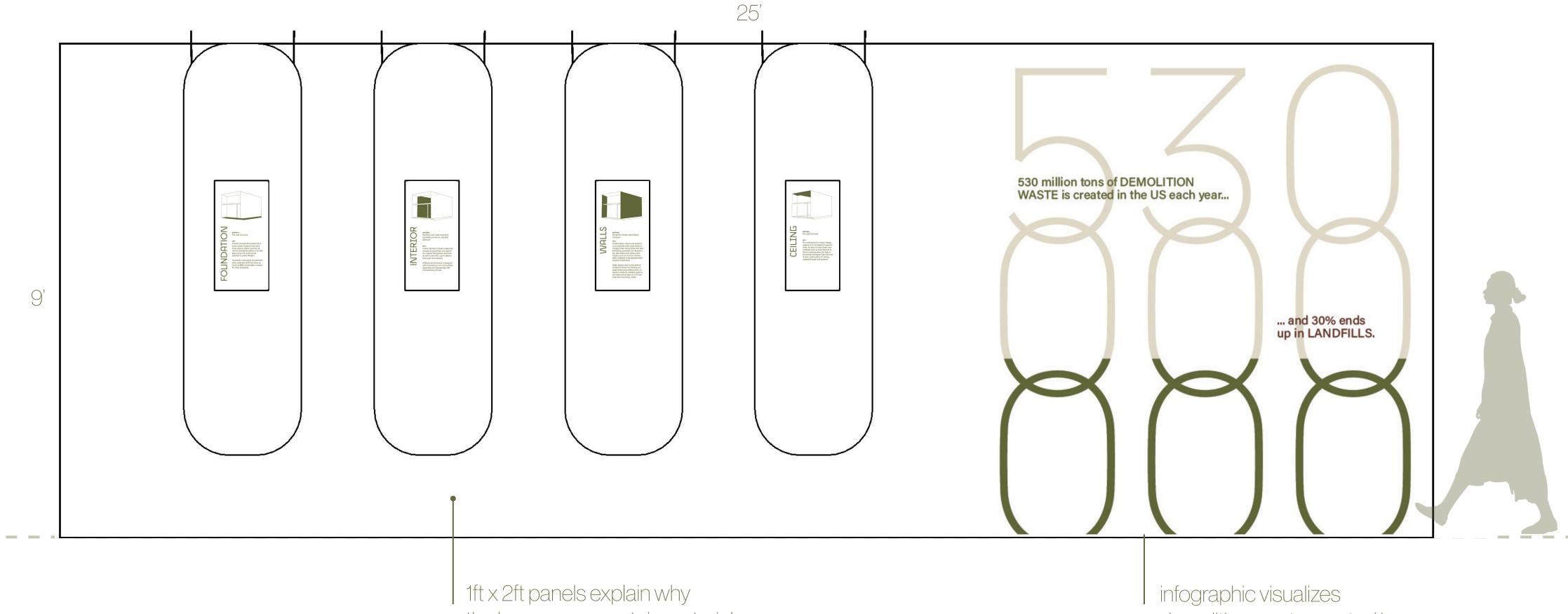






INTRO CONCEPT DESIGN ROOMS MORE

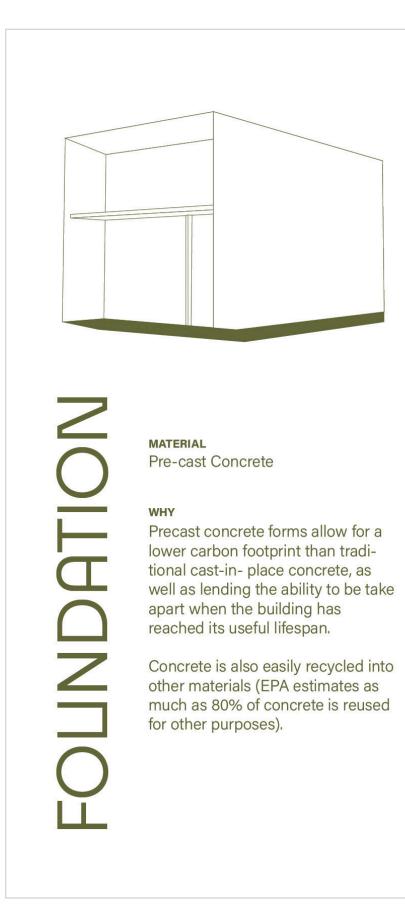


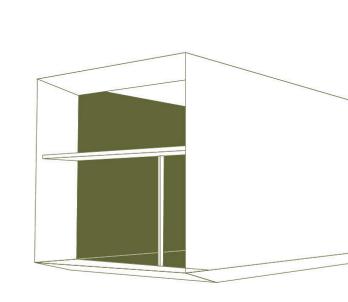


the house uses certain materials

INTRO CONCEPT DESIGN ROOMS MORE

infographic visualizes demolition waste created in the US each year





INTERIOR

MATERIAL

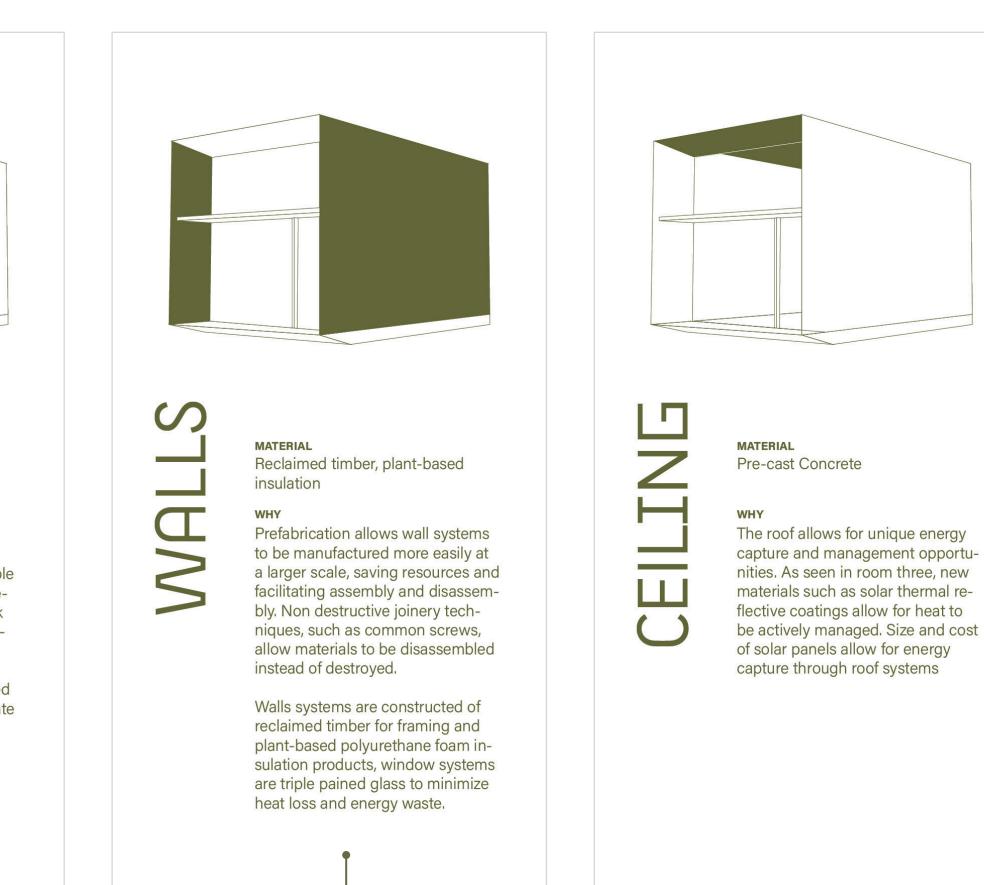
Bamboo, cork, post-consumer upholstery products, recycled plywood

WHY

Interior finishes include sustainable sources of wood floor and cabinetry material like bamboo and cork as well as low-VOC, paint alternatives such as limewash.

Millwork and Furniture is designed with modularity in mind to facilitate assembly and disassembly with mind toward next use.

INTRO CONCEPT DESIGN ROOMS MORE



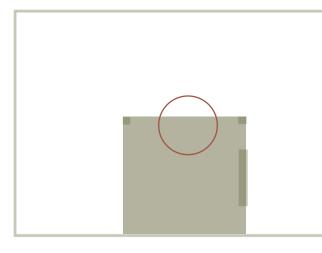
smallest type sizeat 32pt is easily readible and in compliance with ADA standards



INTRO CONCEPT DESIGN ROOMS MORE

Within the "**Move" option** visitions have the ability to place their homes in the projected environment.

infographic vinyl sticker introduces disassembly topic and credits architects







projection of environment

INTRO CONCEPT DESIGN ROOMS MORE

graphic messaging explains design for disassembly in more detail and credits the architects who designed the disassembly house

10'



birch wood recycling bins allow visitors to disassemble and recycle their houses

INTRO CONCEPT DESIGN ROOMS MORE





scale house shows real materials that would be used for actual construction

INTRO CONCEPT DESIGN ROOMS MORE





INTRO CONCEPT DESIGN ROOMS MORE