COLLEEN DUONG

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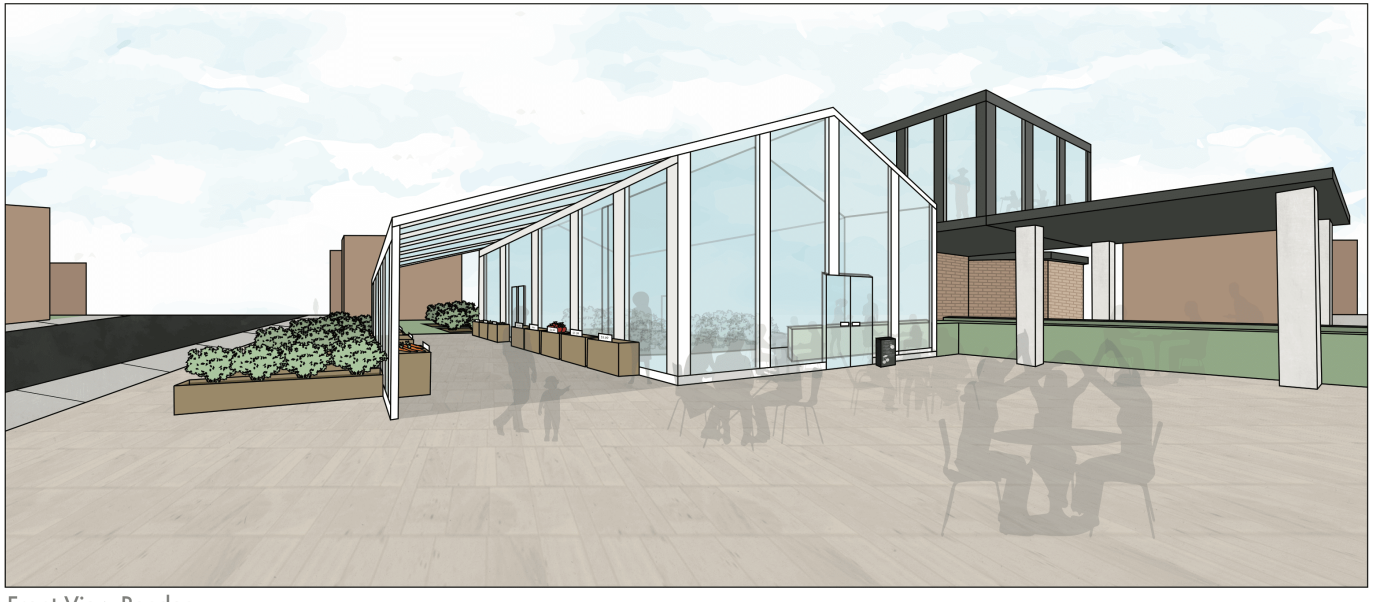
URBAN AGRICULTURE CENTER 01

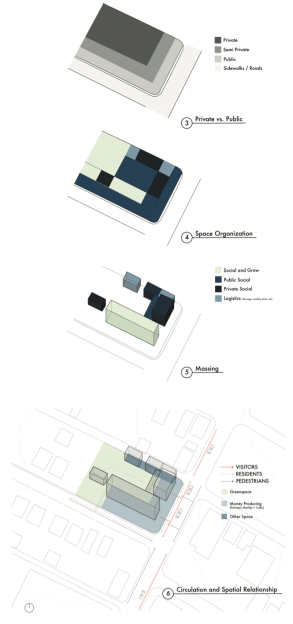
YEAR: FALL 2017
LOCATION: SANKOFA COMMUNITY GARDEN IN HOMEWOOD, PENNSYLVANIA
PROJECT: DESIGN PROPOSAL

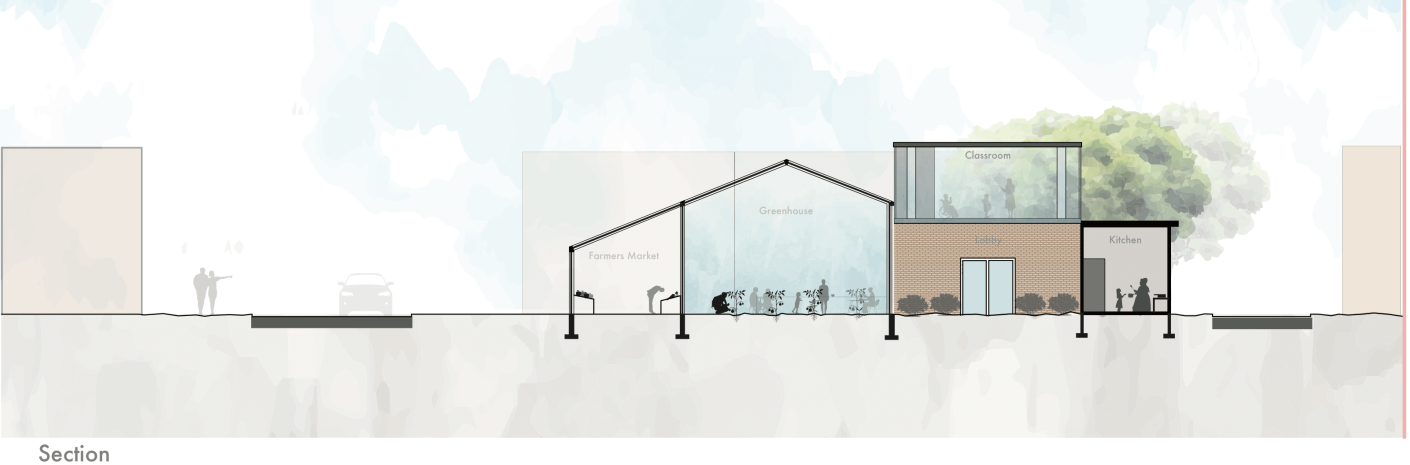
Each student developed a building proposal for a new center for Urban Agriculture in Pittsburgh. The site was speci cally Sankofa Community Garden located in Homewood. The center will serve as a hub supporting urban gardening and farming activity in Pittsburgh. The center will also become an outreach center allowing for education and community engagement from the citizens of Homewood. I focused on the main circulation aspect of the area when creating a design proposal



Front View Render

Plan



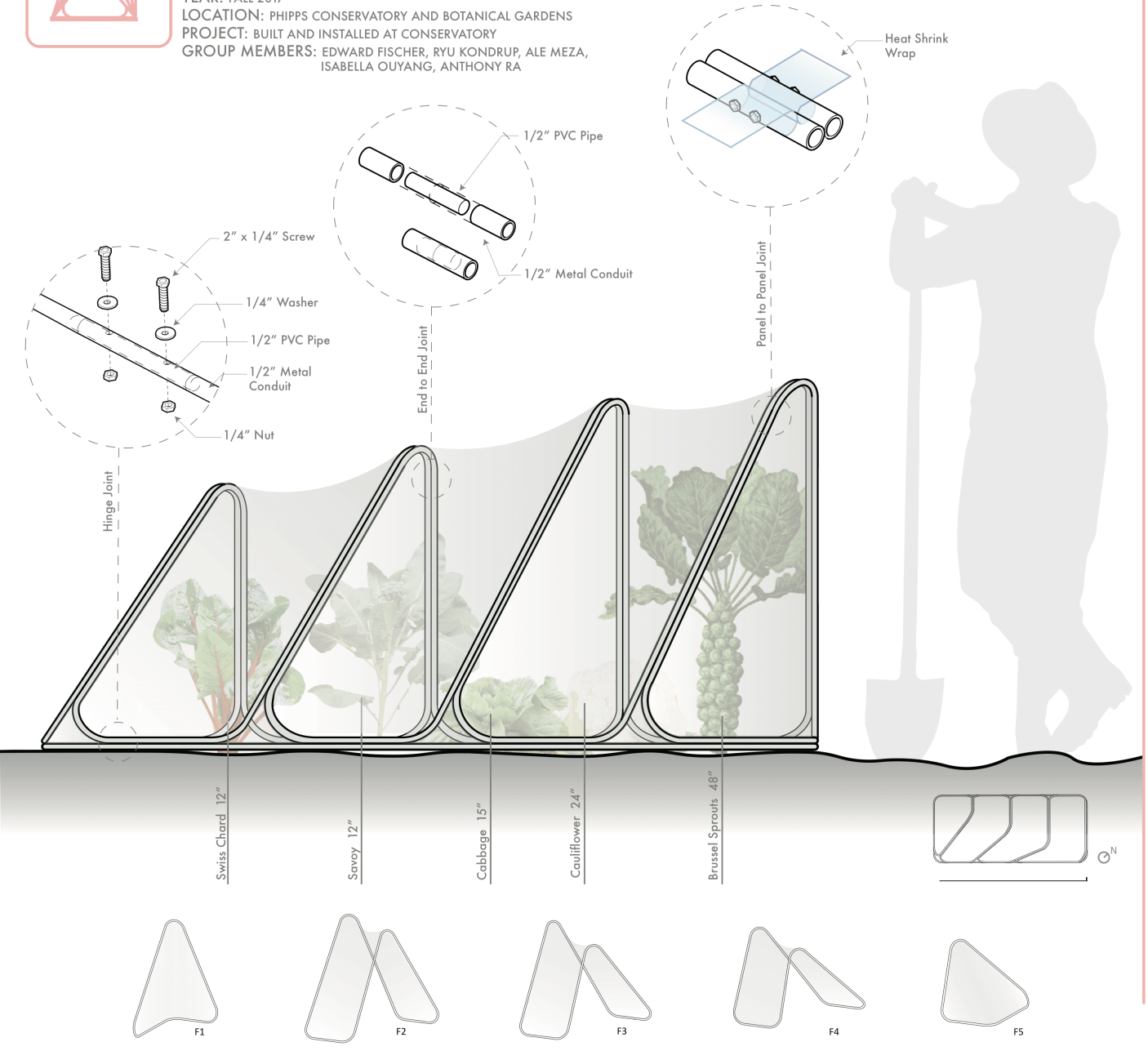


Section

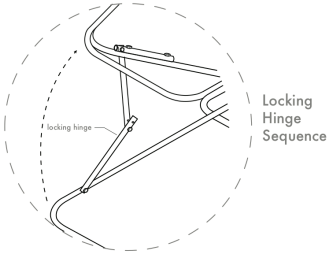
Back View Render

HOOP HOUSE 02

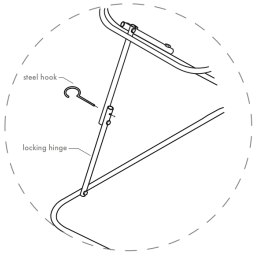
YEAR: FALL 2017
LOCATION: PHIPPS CONSERVATORY AND BOTANICAL GARDENS
PROJECT: BUILT AND INSTALLED AT CONSERVATORY
GROUP MEMBERS: EDWARD FISCHER, RYU KONDRUP, ALE MEZA, ISABELLA OUYANG, ANTHONY RA

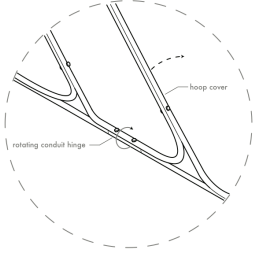


Each group designed a hoop house for the Edible Garden at Phipps Conservatory after being assigned a speci c planting arrangement. Our group's planting arrangement was a 16 foot long planting plot that was partially blocked from the sun by a towering building. Key components that had to be kept in mind was: are the plants easy to maintain and water? Is the hoop house to assemble and diassemble seasonally? Will the plants be protected from frost and get enough sunlight?

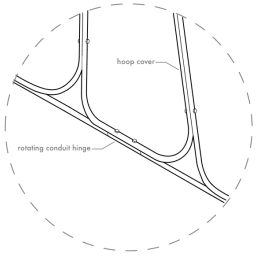


Locking Hinge Sequence





Rotating Hinge Detail



Side View

Front View

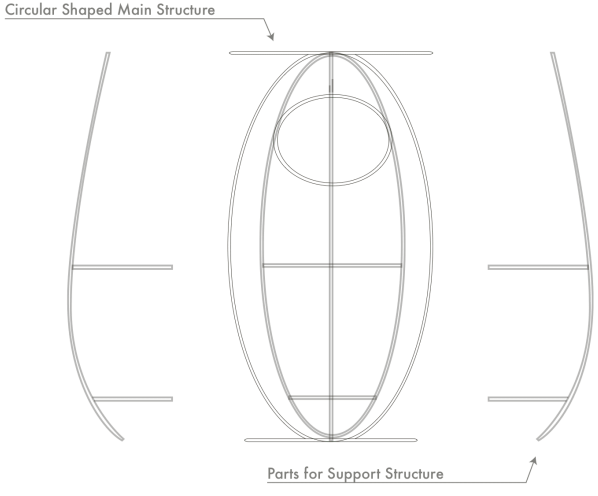
Open Front View

Opening Hinge Detail

FOLDED GARDEN 03

YEAR: FALL 2017
LOCATION: PHIPPS CONSERVATORY AND BOTANICAL GARDENS
PROJECT: BUILT AND INSTALLED AT CONSERVATORY
PLANT: PARSLEY

Folded Garden is a project focused on constructing a growing armature to sustain a plant through the season's rst frost. Students were given the opportunity to explore di erent shapes and plant properties that they wanted to take into account when constructing an armature for their given plant. The materials that were given included 0.062" or 0.032" thick wire and heat shrink wrap.



Side Elevation

Front Elevation

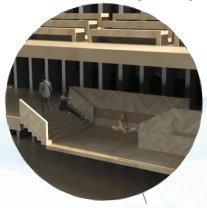
Top Elevation

PARASITE 04

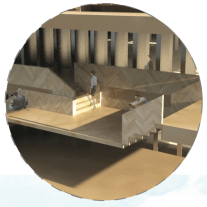
YEAR: SPRING 2017
LOCATION: HUNT LIBRARY AT CARNEGIE MELLON UNIVERSITY
PROJECT: DESIGN PROPOSAL

The design proposal aimed to try and add more study spaces to an existing building, Hunt Library, which is located on Carnegie Mellon University's campus. For my design proposal I tried to create an "ant farm" system to the library to allow people outside to be able to have a sense of what is happening inside through all of the stairs and study spaces that visitors will constantly be moving around.

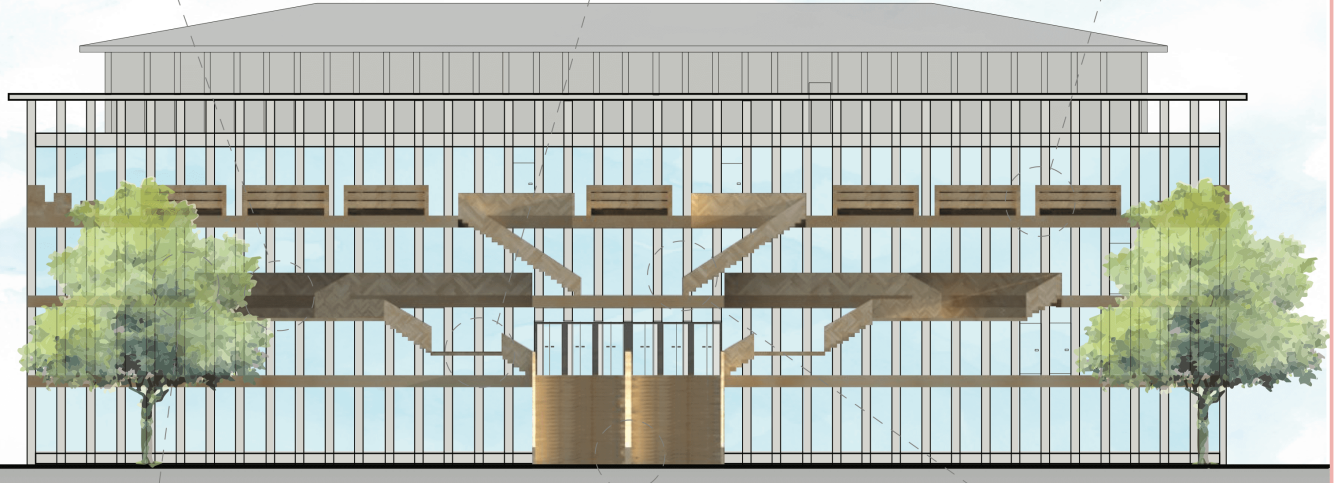
Floor 3 Study Steps

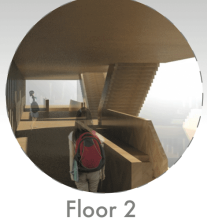


Floor 3 Study Steps



Floor 4

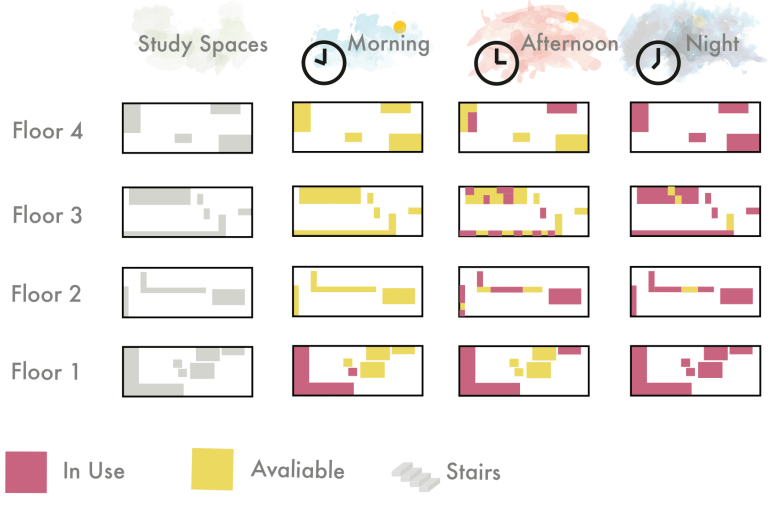


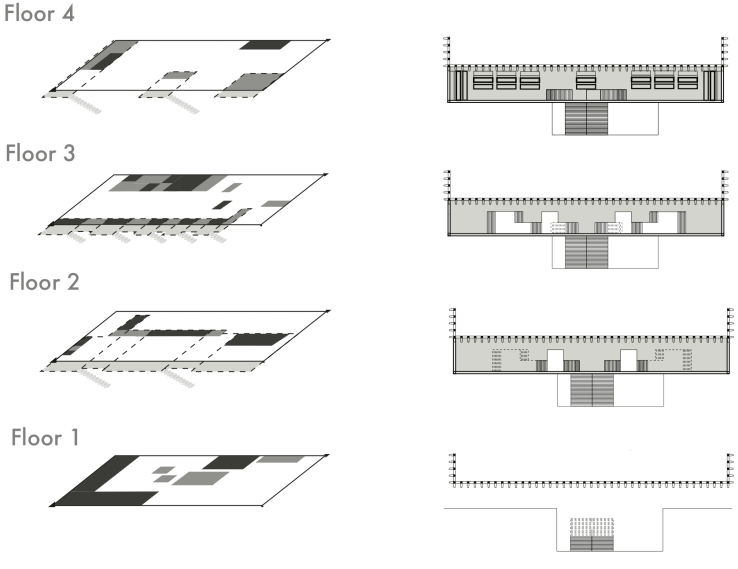


Floor 2

Entranceway

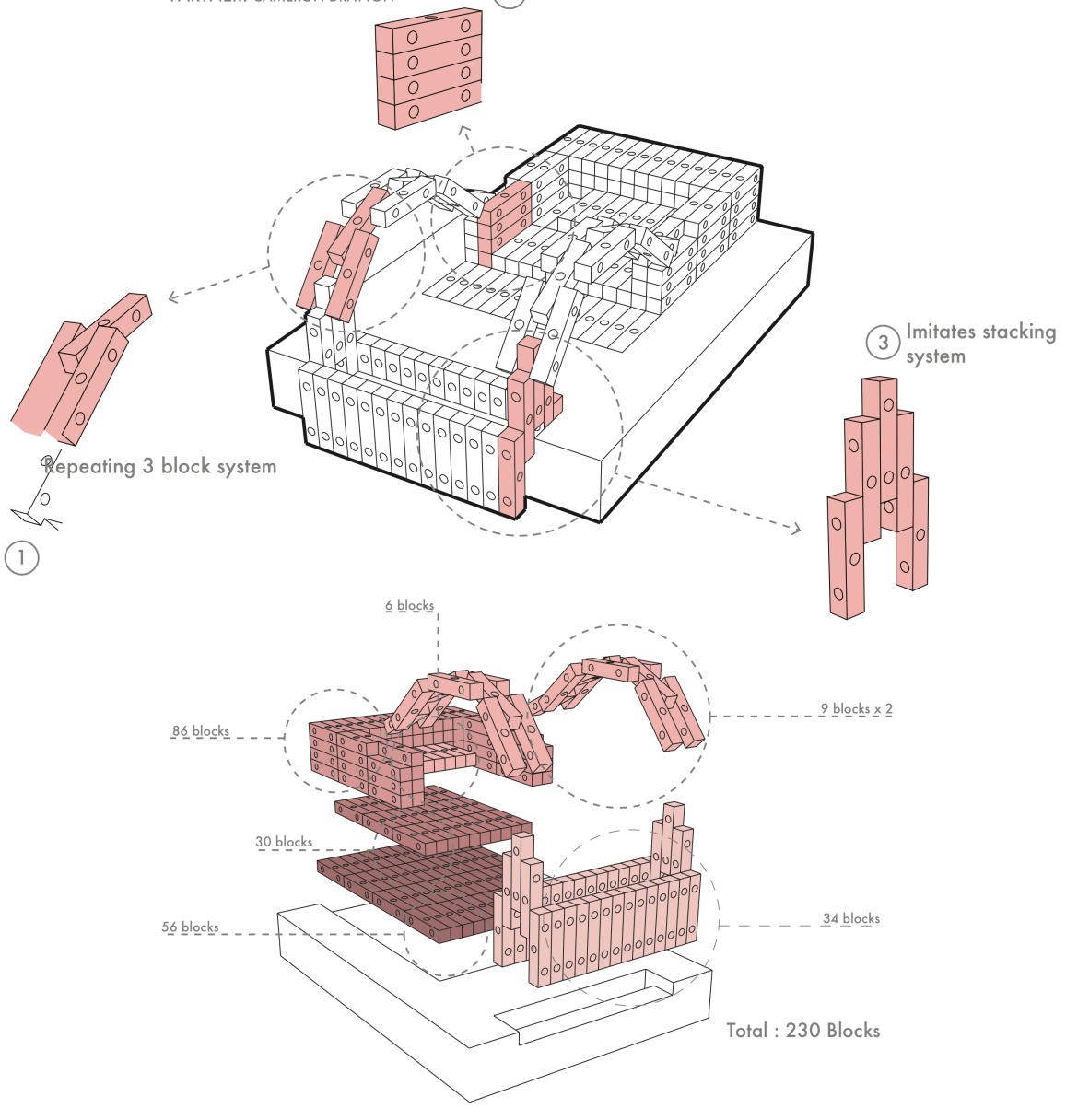
Floor 2 going to Floor 3



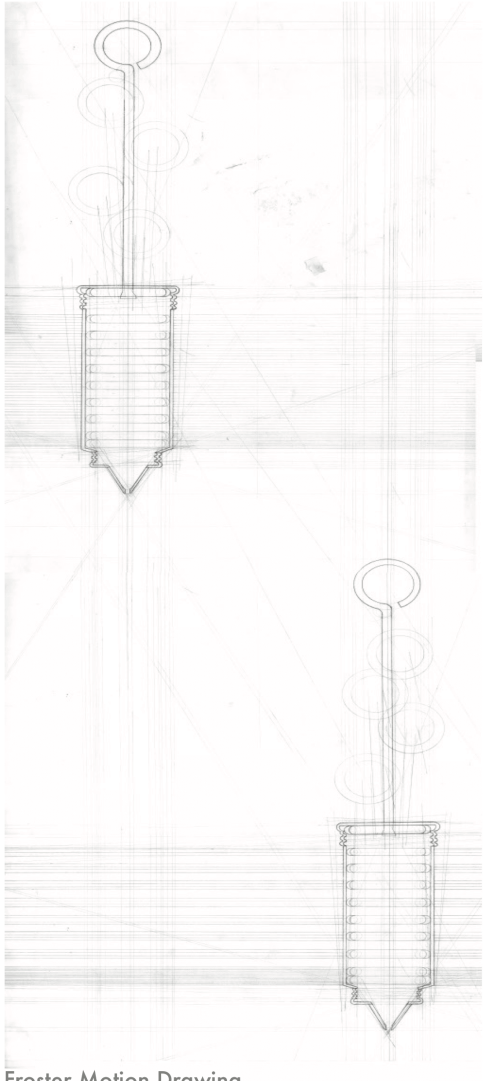


MOTION 05

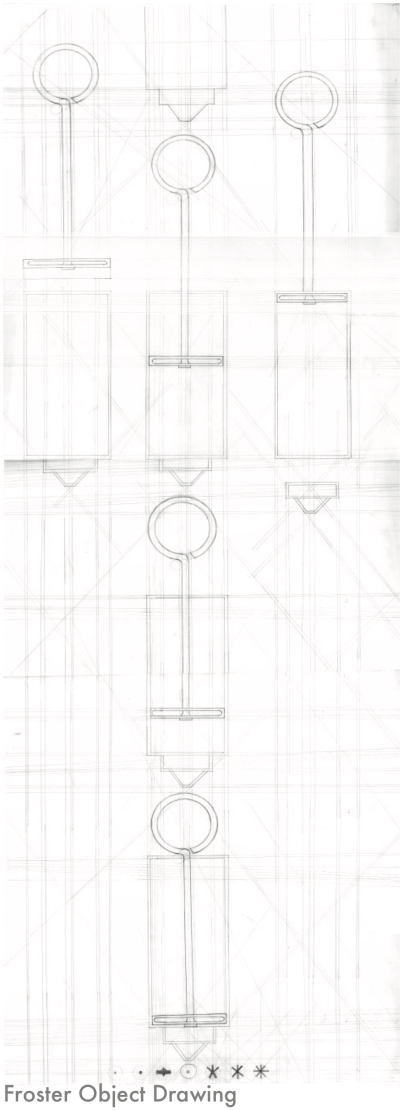
YEAR: SPRING 2017
LOCATION: n/a
PROJECT: DESIGN
PARTNER: CAMERON DRAYTON



Each student was given a different kitchen tool: froster. After studying the shape of the tool and studying how it moves, students were paired up to try and create a motion model that represented both of their kitchen tools. My partner's tool was a potato cutter. The concept of our model was to make the entire model using the exact same piece repetitively over 200 times. The verbs we were trying to aim for in our model were: layering, splitting, time, and bending. There are two sides to the model to represent the two different kitchen tools, the left represents the froster and the right more rectangular part represents the potato cutter being bridged together with the same sized piece



Froster Motion Drawing



Froster Object Drawing

CUBE HOUSE 06

YEAR: FALL 2017
LOCATION: LAKE ERIE
PROJECT: DESIGN PROPOSAL

Wedding pavillion proposal that incorporated space and site strategies. The cube (wedding pavillion) is dimensioned at 20' x 20' x 20'. Spaces are carved out using 8' tall hedges that encompass the entire lot. There were several different types of areas that has to be placed on the site such as: the pavillion entry/arrival space, pavillion ceremony area, pavillion preparation area (upstairs), reception garden spae, meal serving space, restroom, storage space, etc. My design aimed to create a straightforward path for the visitors so that they would be able to directly go from one program to the next. I also wanted to the bride and groom to be able to have a view of lake erie from the area where they were giving their vows (view 4 on the left).

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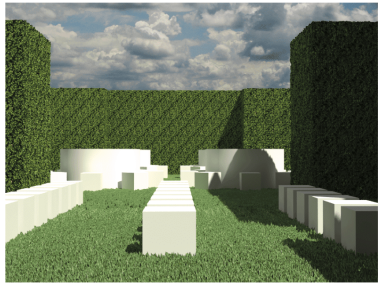

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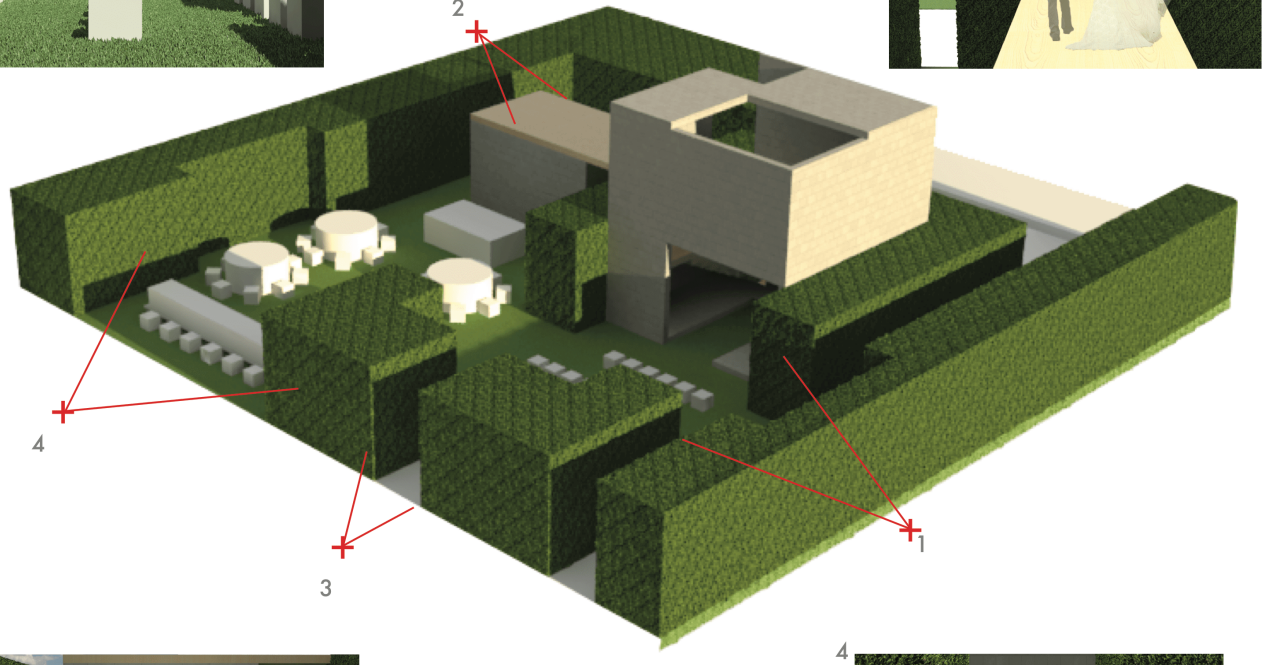

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