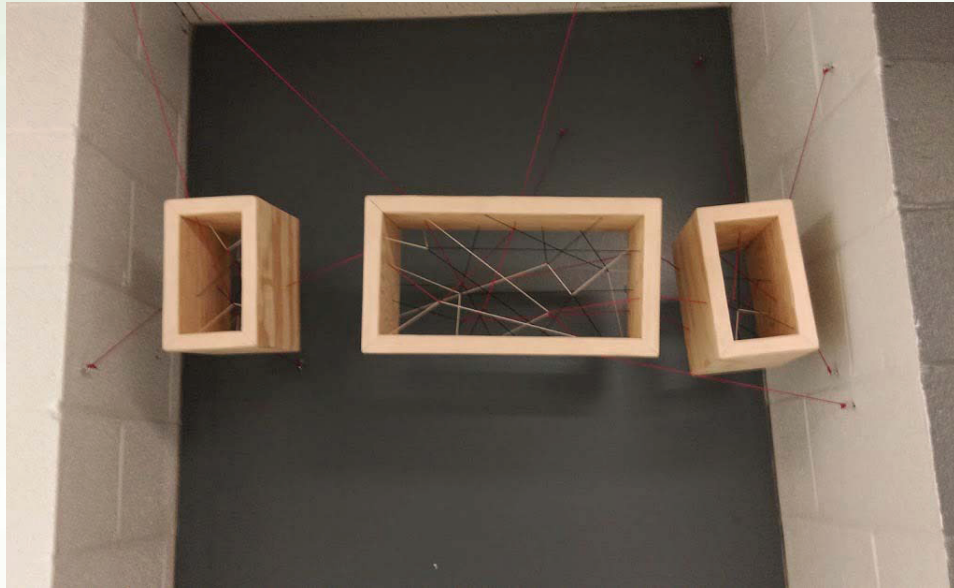


CODY SNELLENBERGER

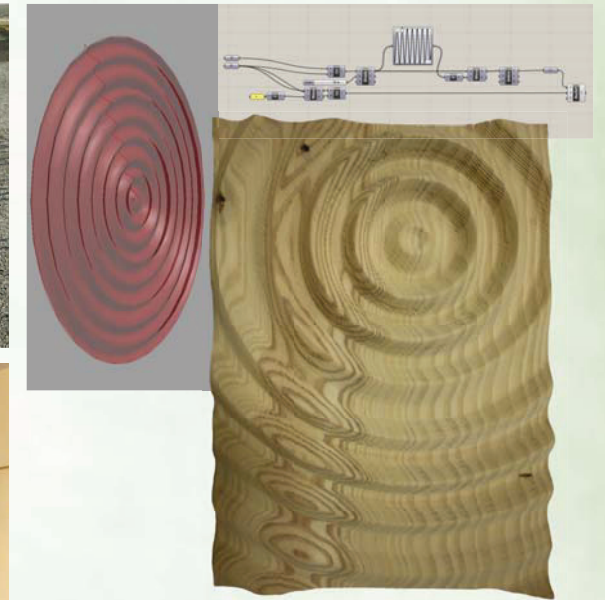
BODY OF WORK

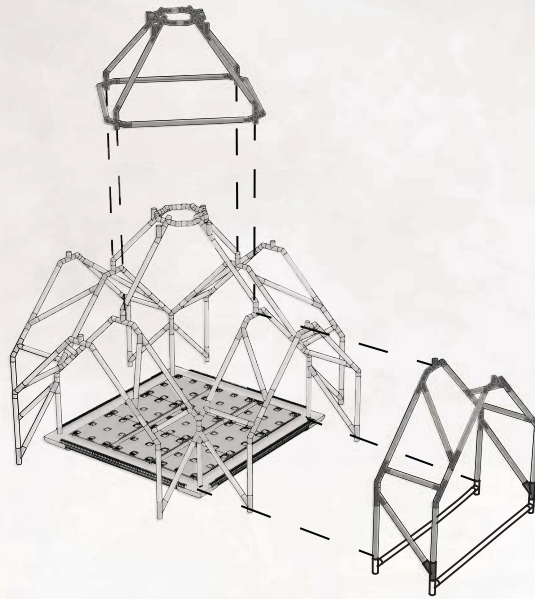
DOCUMENT SUMMARY	PROJECT ONE PERSONAL FABRICATION	furniture/art/exploration, 2014–early 2015.
	PROJECT TWO CMPBS: VILLAGE IN A BOX	disaster relief proposal, mid 2013.
	PROJECT THREE SOLAR DECATHLON CONSTRUCTION	reconstruction and renovation, late 2013.
	PROJECT FOUR BIKE RACK FABRICATION	fabrication and documentation project, mid 2012.
	PROJECT FIVE HUCK TRAILS PAVILION	documentation project, fabrication proposal mid 2012.
	PROJECT SIX ACSA TIMBER IN THE CITY	senior project, competition entry mid 2013.
	PROJECT SEVEN TIMBER FRAME	constructed work, completed march 2014



PROJECT 01 | PERSONAL FAB PROJECTS

PROJECT SUMMARY | As the sons of a carpenter, both my brother and I grew up on job sites and in wood shops. These environments shaped us both to pursue carpentry, and professions which lend themselves to appreciation for craft. This collage of images is a sample of personal, and commissioned project I've built since 2014.

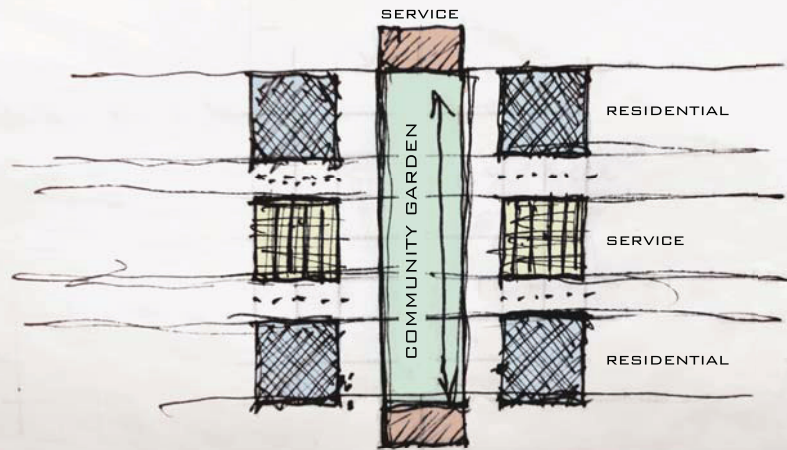
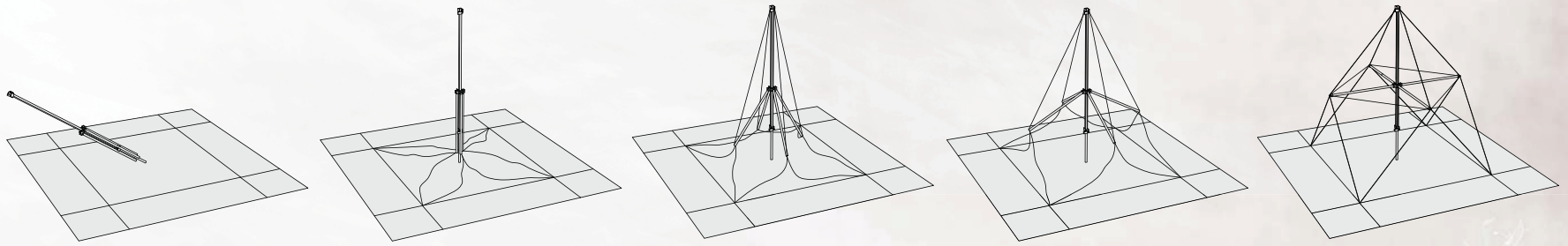
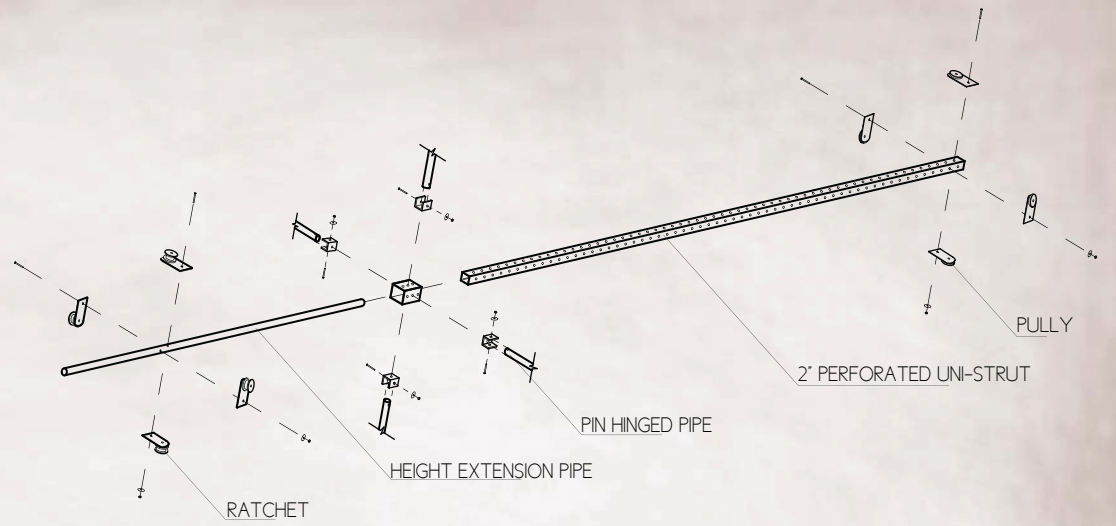
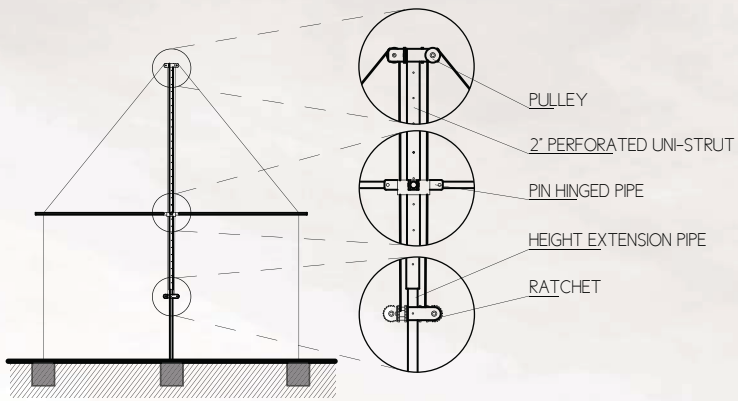




PROJECT 02 | CMPBS VILLAGE IN A BOX

PROJECT SUMMARY | Conceptual design proposed by Pliny Fisk at the Center for Maximum Potential Building Systems during my time as an intern there. Project consists of a rapidly constructed building prototype which can become a permanent housing solution in emergency disaster relief scenarios. This prototype combats the negative effects of current disaster relief housing, such as tent cities becoming slums. Multiple iterations of VIB (village in a box) were worked through during my internship. Strategies included using off the shelf HDPE pipe's and fitting to create a complex concrete formwork, using lightweight tent structure as a substrate for adhering permanent structure, as well as proposing strategies for utilizing local materials uniquely in order to produce a finished structure. A built prototype of an iteration using bamboo and hdpe pipe fittings was produced by myself and fellow intern Jordan Frazin for the 2013 SXSW Eco Conference.

PROJECT TEAM | Pliny Fisk III, Jordan Frazin, Ramya Prakash





PROJECT 03 | TEXAS A&M SOLAR DECATHLON

PROJECT SUMMARY | The award winning 2009 Solar Decathlon project, designed and built by students and faculty at Texas A&M University under the leadership of Pliny Fisk III, served several years on demonstration campuses, after which it was decided that it would be relocated to the Center for Maximum Potential Building System's site in Austin, TX. Center employee's and interns acted as team leaders directing a crew of 10 Americorps volunteers through the projects construction over a 3 month period. This series of photos illustrates the buildings preparation to be moved as a modular unit, sitework prep (completed by CMPBS staff exclusively), and establishment on site.

RESTORATION

PREPERATION

RELOCATION





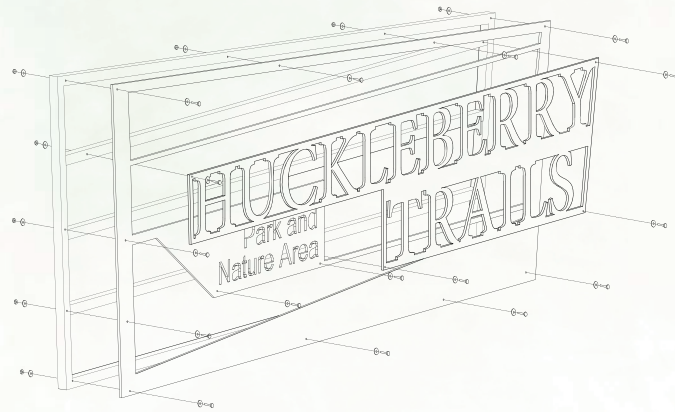
PROJECT 04 | THE BIKE RACK

PROJECT SUMMARY | Explorational design for a functional art installation. Formally responds to accommodate any bike style, shape, or size. Bikes are rolled into position in a single motion, and held in place by the 2x4 framing, as well as the mounted fins, which provide stability, perforations for locking, as well as aesthetic appeal. This installation was designed and built in a 2 week charrette. Design and Fabrication timelapse video produced per studio requirements.

DESIGN TEAM | Hunter Lloyd, Colin Linden.



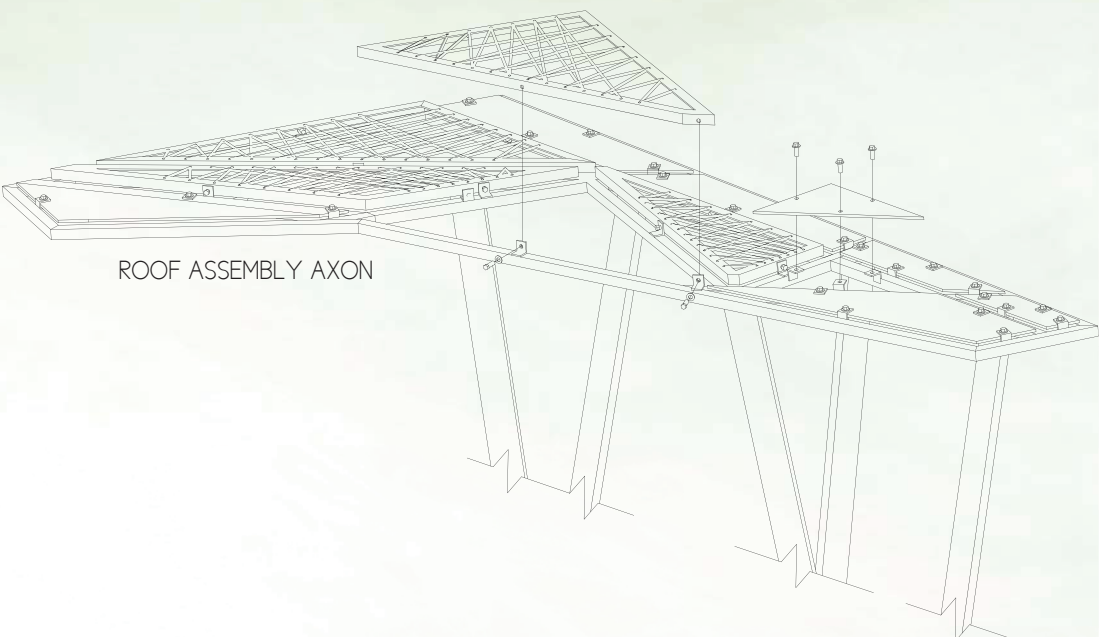
Louisiana Tech Architecture - The Bike Rack Arch335 Spring 2012
[Link to view timelapse design and construction video.](#)



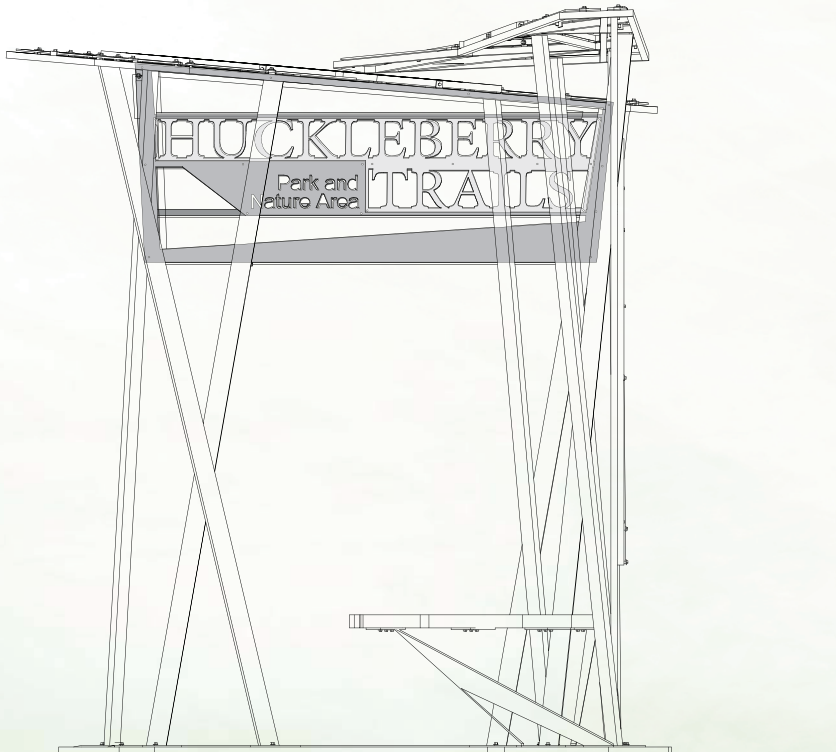
PROJECT 05 | HUCKLEBERRY TRAILS PARK KIOSK

PROJECT SUMMARY | Proposal for a kiosk in a local park which would accommodate a small bench, and serve as a map station to ease wayfinding through the walking trail, as well as establish a formal southern entry to the park from the adjacent neighborhood. Formal intent is referential to the wooded locale, with tall, spindly vertical members, and cable panels in the roof meant to mimic a birds nest or tree canopy.

DESIGN TEAM | Matthew Cox, Matthew Huffman

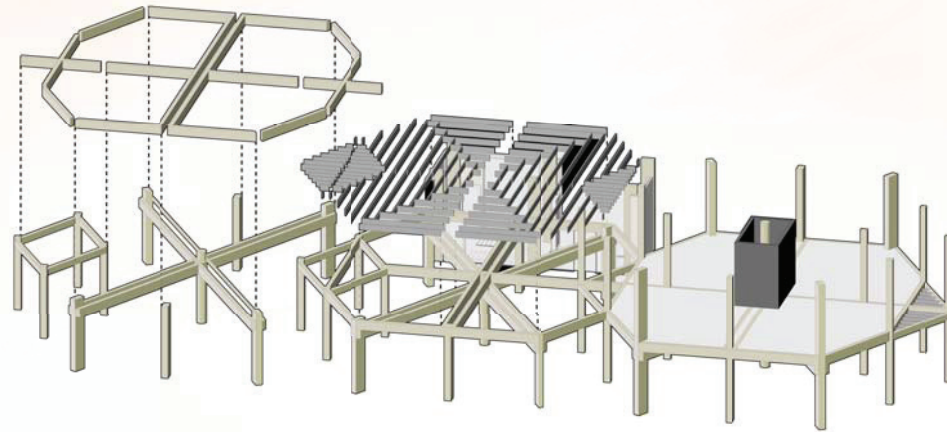


ROOF ASSEMBLY AXON



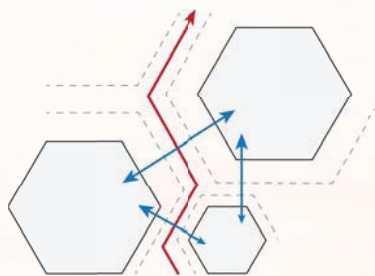
NORTH ELEVATION



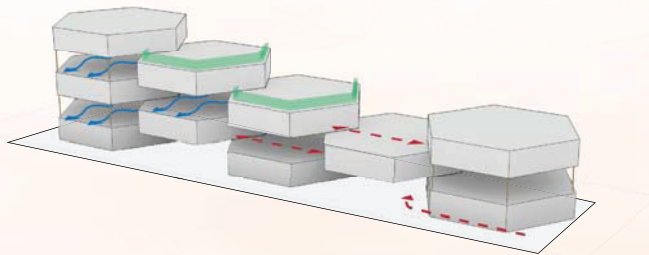


PROJECT 06 | ACSA TIMBER IN THE CITY

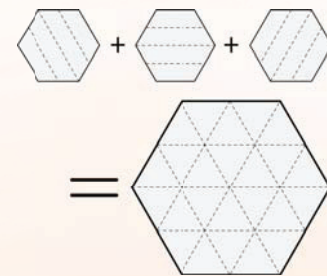
PROJECT SUMMARY | ACSA competition submittal, 2 quarter capstone studio project. A design for a mixed use timber structure building in Red Hook, Brooklyn. Required program elements include: wood production facility, digital fabrication lab, residential units (varying sizes), and a public bike access hub. Project executed using Vectorworks BIM software as primary production tool. Designed around the concept of using hexagons as a formal block, in order to create unique adjacencies within the structure. Utilizes staggered block stacking along the southern site edge, creating open balcony spaces between apartment spaces, as well as leaving views open to the water directly across from site, for those occupying northern site spaces. The eastern site edge is covered open air market space, creating room for bicycle hub access easily to the public. The inner courtyard is framed as private spaces for residents and workers. Sequenced construction was a primary driver in the design; building the wood production facility first, using its product as a means for the rest of the buildings construction.



UNIQUE ADJACENCIES

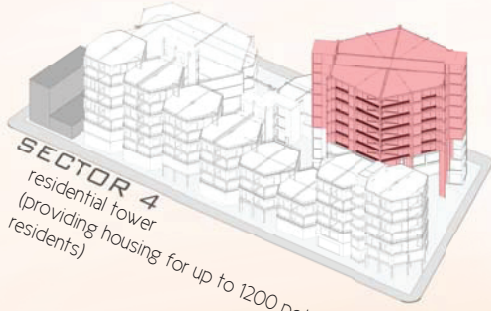
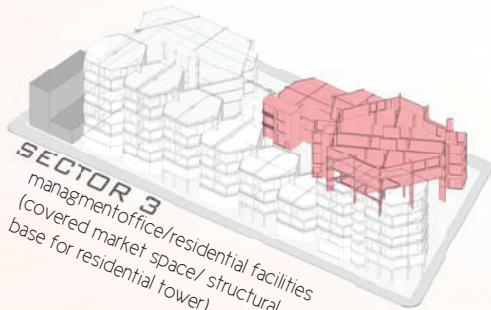
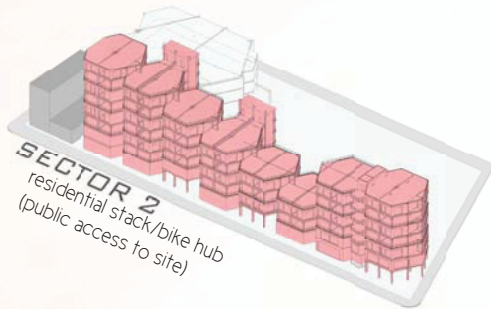
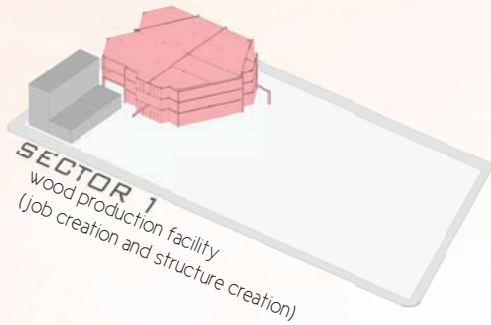


STAGGERED PROGRAM STACKING

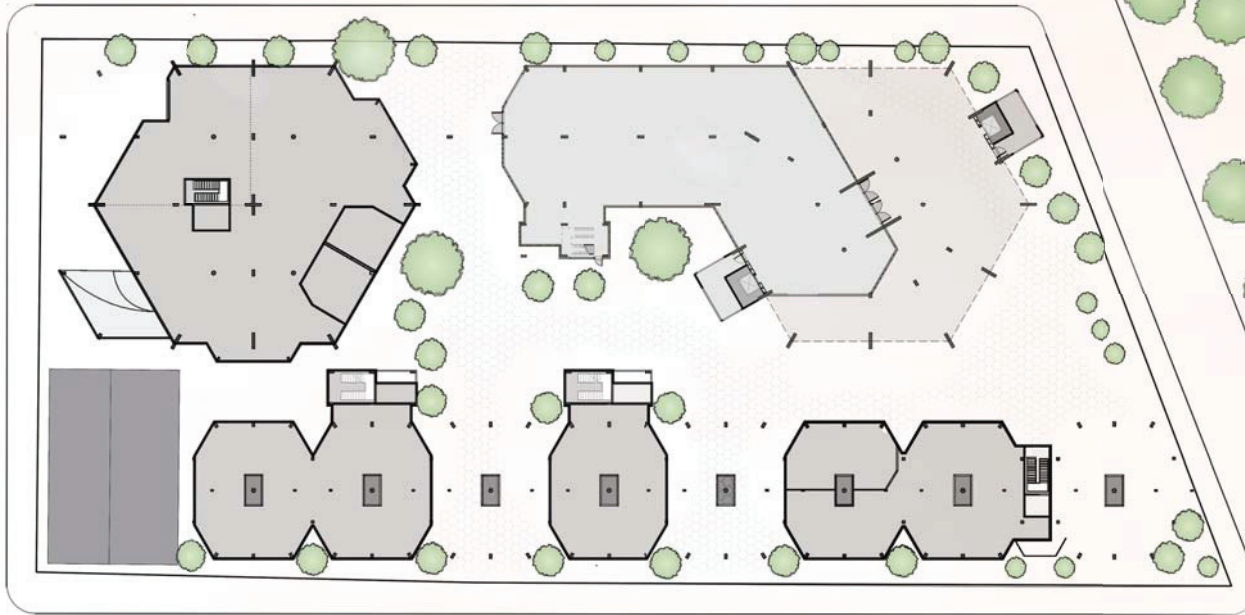


HEXAGON AS STRUCTURAL UNIT

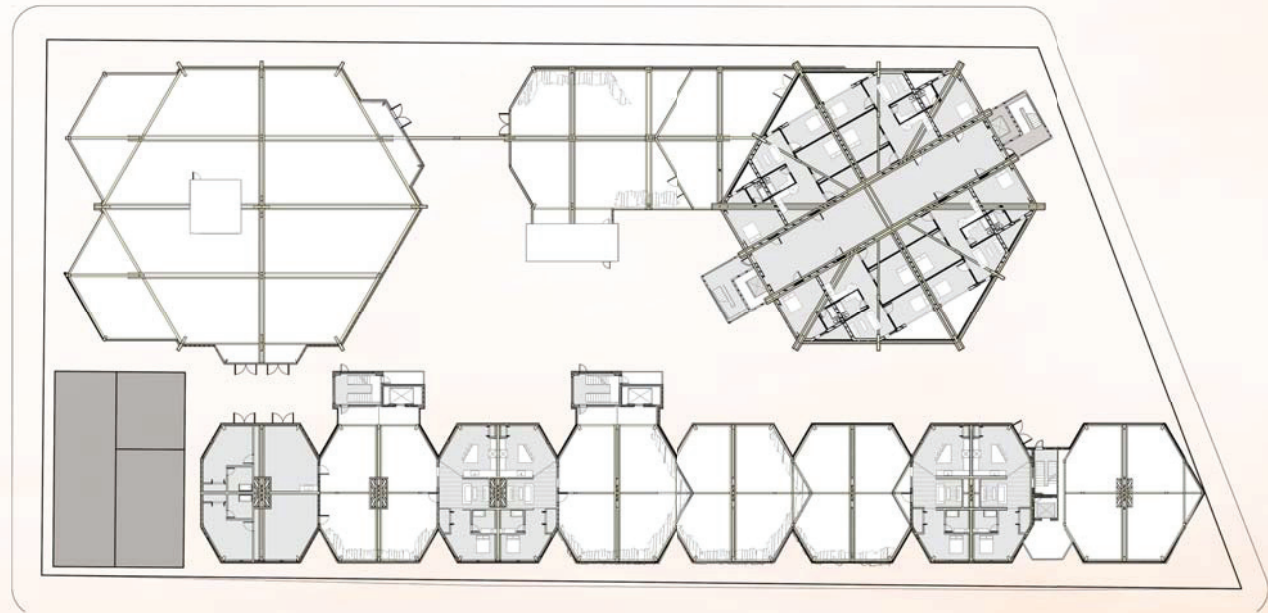
CONSTRUCTION SEQUENCE



RENDERED CROSS SECTION



GROUND FLOOR PLAN



UPPER FLOOR PLAN



PROJECT 07 | TIMBER FRAME

PROJECT SUMMARY | This timber frame structure was built on our family land in Sterlington, LA to provide a shelter for my brother's wedding. My dad and I shared overarching design, while I designed and fabricated all of the structural detail brackets. The timbers are local cypress sourced from a nearby mill. All labor was shared between the two of us.

