

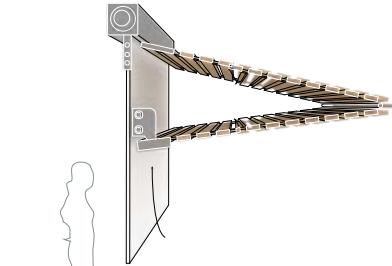


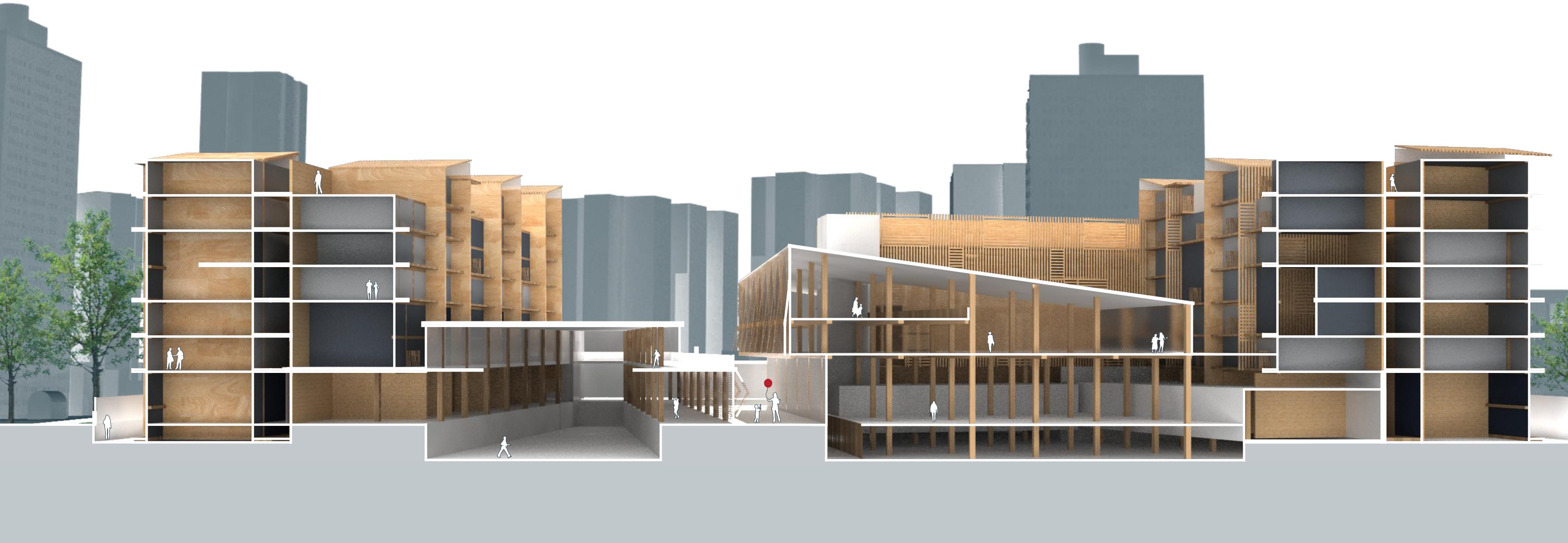
DENISE BLANKENBERGER | architecture | design



MEDLEY | fall 2015 | solo competition

This project, awarded for its "urban responsiveness," is founded on the Lower East Side Manhattan's characteristic sense of community and neighborhood. The layering of culture, people, place, and frames into a community identity inspires a similar layering of structure and materials. Medley stitches together the three distinct program categories with similar but different personalities. Medley is more than a compilation of parts; its strength lies in the connections and correlation between the three programs. The repeated use of sun shading and timber structural systems weaves the Market, Warhol Museum, and Villas together elegantly.

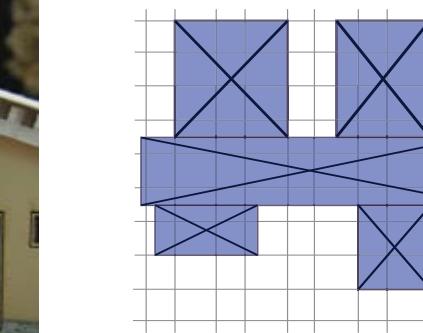
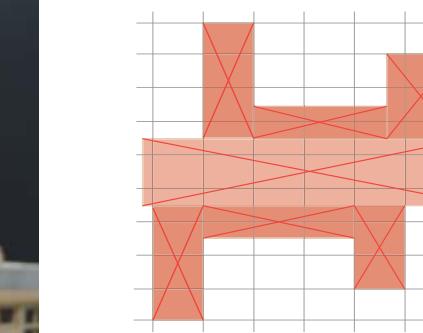
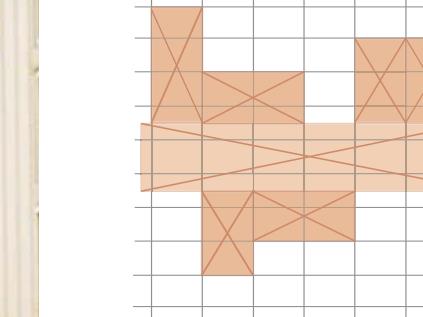






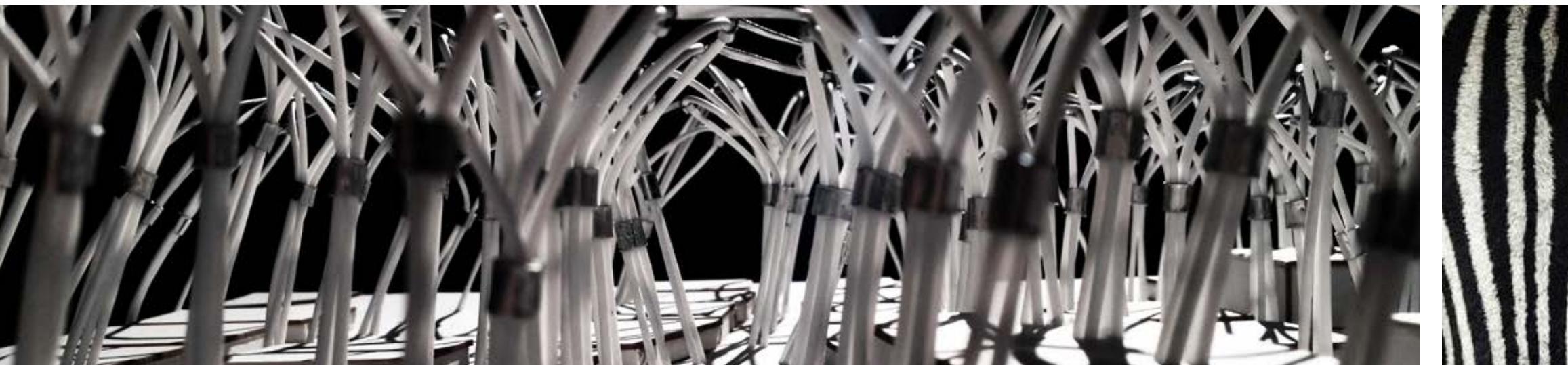
CENTER FOR URBAN ECOLOGY | fall 2015 | solo project

The CUE Outreach Center is an elegant solution to the challenge of sustainable and efficient design, implementing the eight strategies of the Living Building Challenge in a small urban ecology visitor's center. It is the physical manifestation of the values taught at the facility. A variety of engaging experiences are presented to its visitors: viewing the spillway water collection system nested between the exposed rafters of the butterfly roof; walking among the local flora on the second-level green roofs and inside the greenhouse; testing out the operable windows of the passive ventilation system; playing on the exterior terrace spaces; and much more.



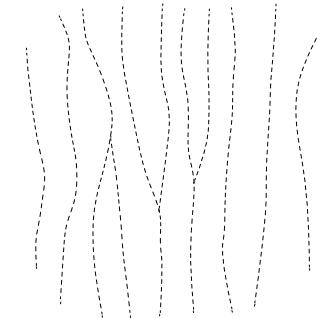
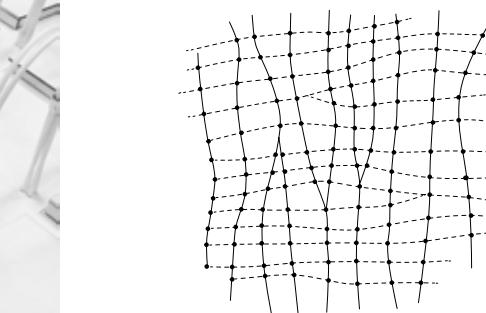
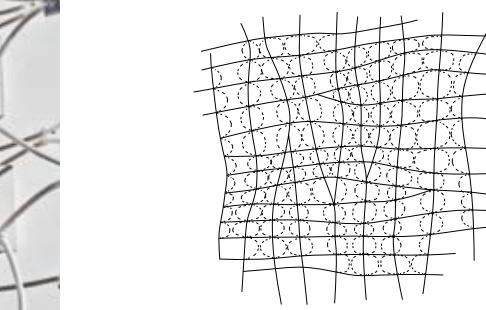
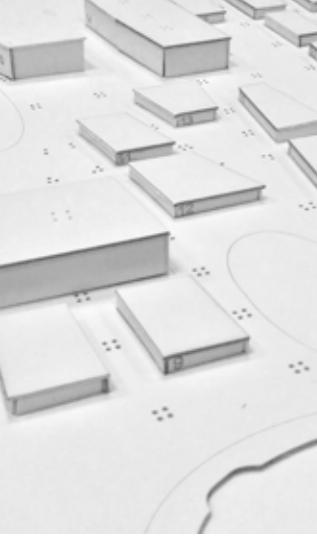


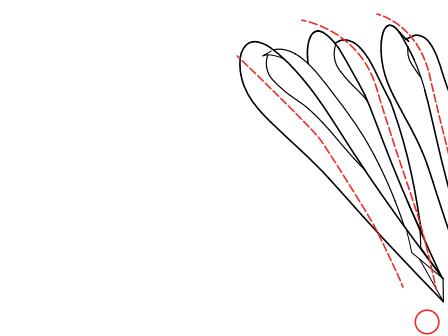
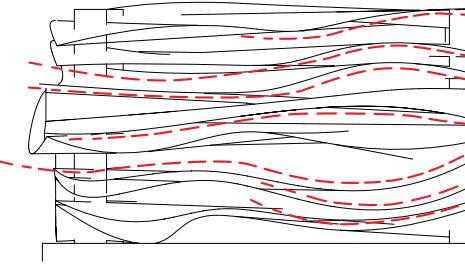
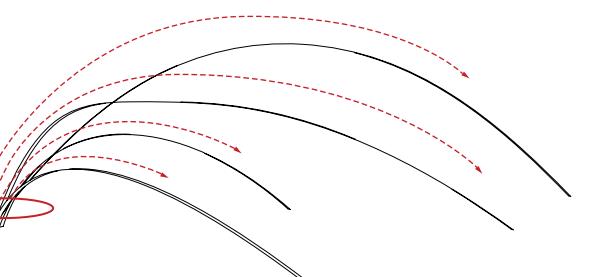
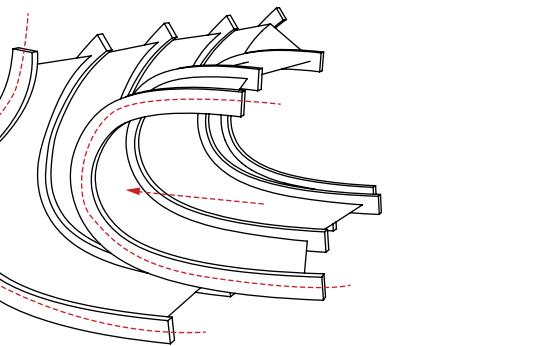
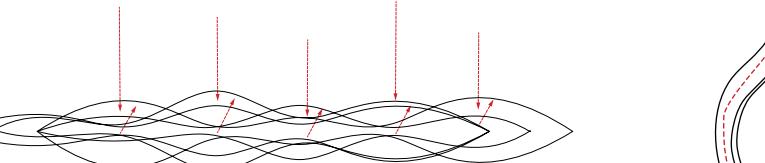
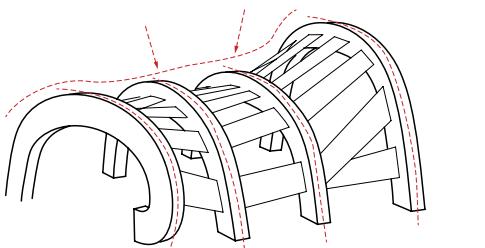
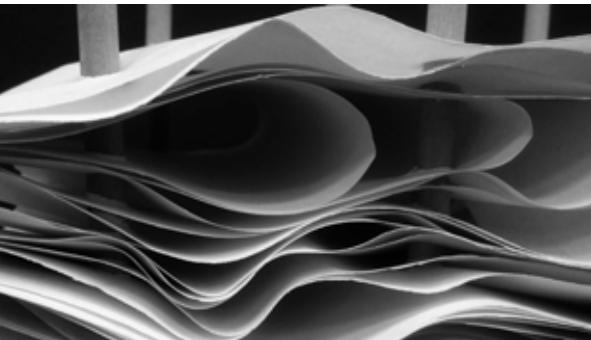
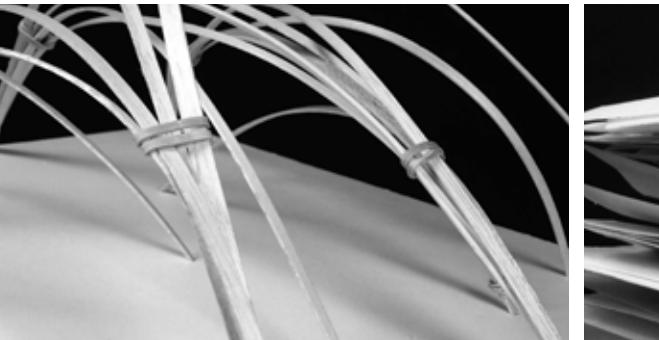
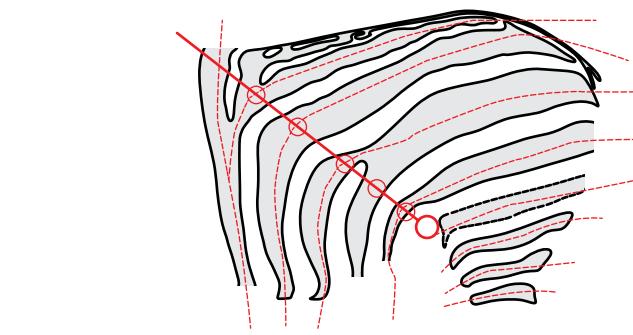
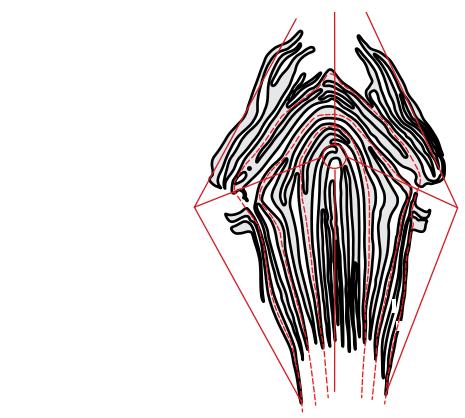
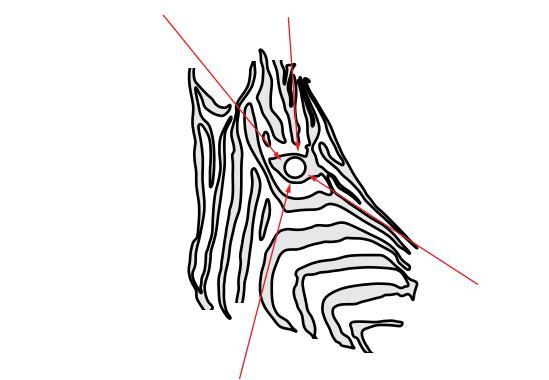
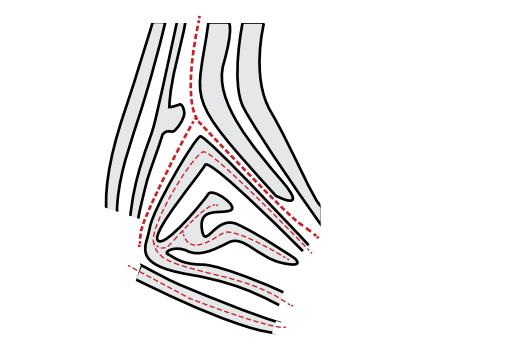
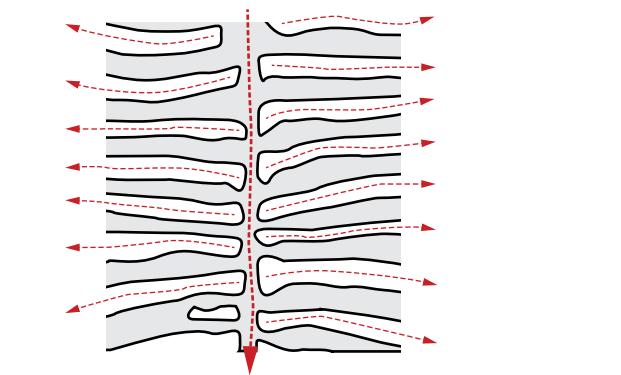
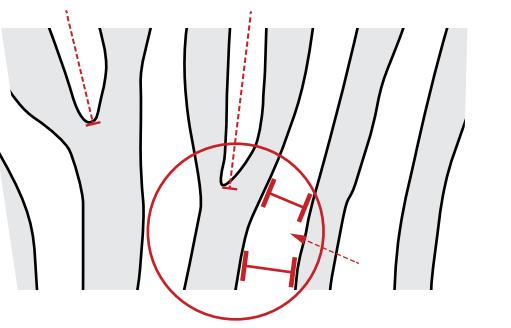
- site
- water
- energy
- health
- materials
- process
- equity
- beauty



DAZZLE MARKET | fall 2013 | team research + solo project

The Dazzle Farmer's Market began as an aggregate study of zebra stripes in an effort to apply biomimicry to architecture. A set of six rules were created based on the generation of the zebra pattern as it related to the geometry of the animal itself. These rules were then implemented in the study models for exploration of light, enclosure, and long-span structure. A combination of the concept models were used to design a proposed Farmer's Market for downtown Muncie, Indiana. The Dazzle Market uses a zebra-stripe generated floor plan with varied-height steel arches and tensioned fabric to enclose the booth spaces.





branching and parallel lines

axial alignment

compression

focal point

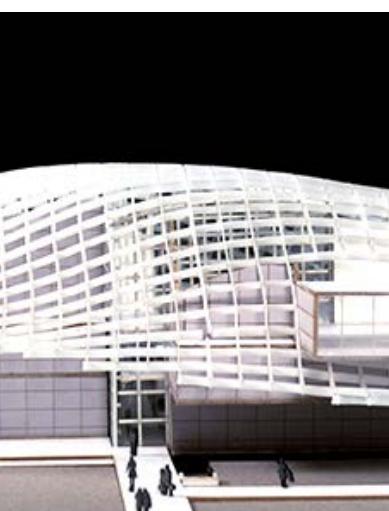
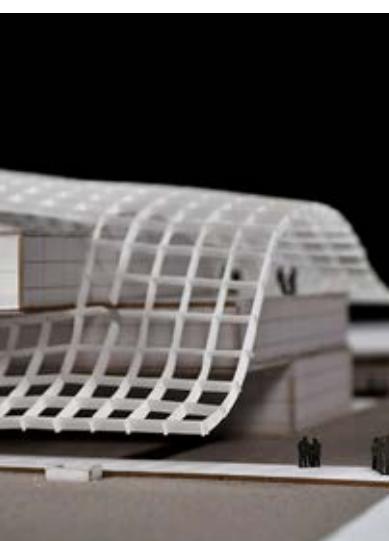
expansion

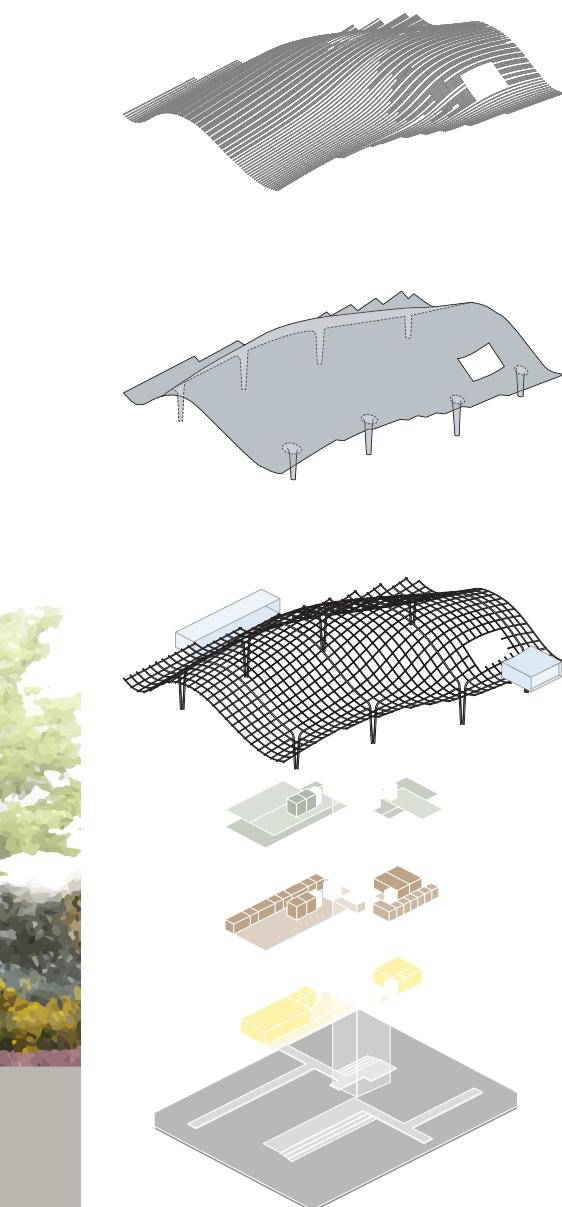
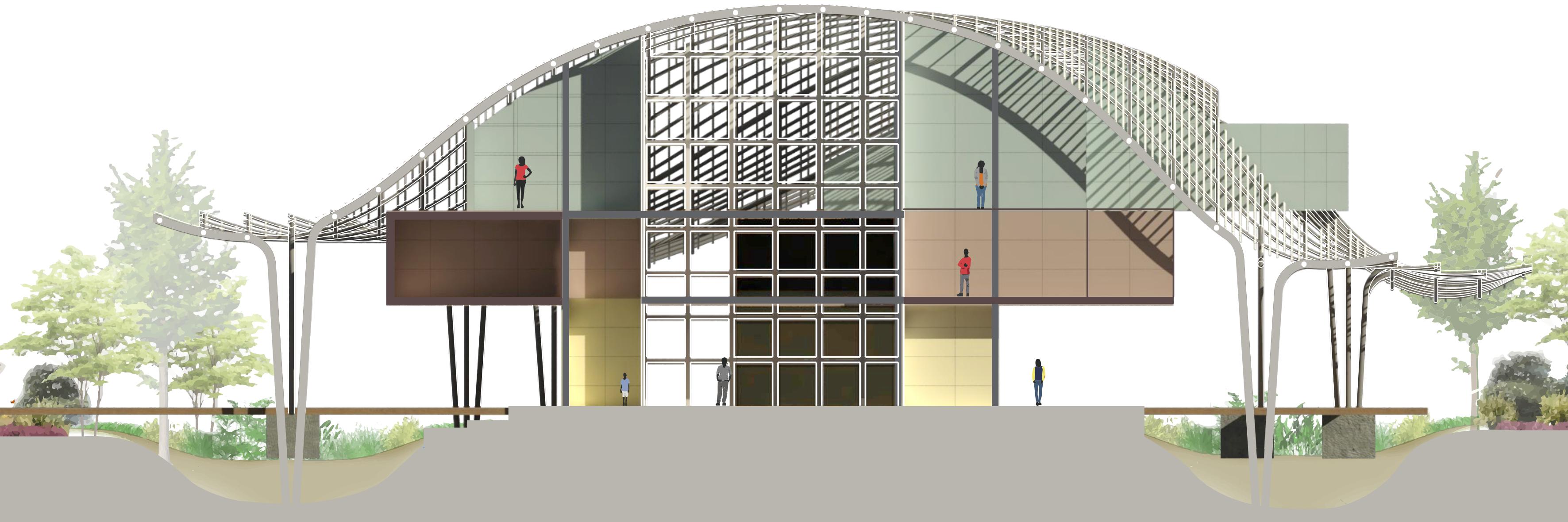
pivoting



VOILE | spring 2015 | team competition

The careful entanglement of steel serves as a delicate, poetic material rather than its tough, forbearing counterpart. Beginning with lightweight steel as a building material, the skin also functions as the structure, molding and meshing to form a delicate entanglement of pieces. The interwoven gridshell references iconic New Orleans wrought-iron balconies by creating dynamic lighting that casts shadows that entice people to indirectly experience the structure. The steel interacts at human level, creating interstitial spaces between gridshell and interior program, except for special moments that occur when the program boxes punches through this gridshell.



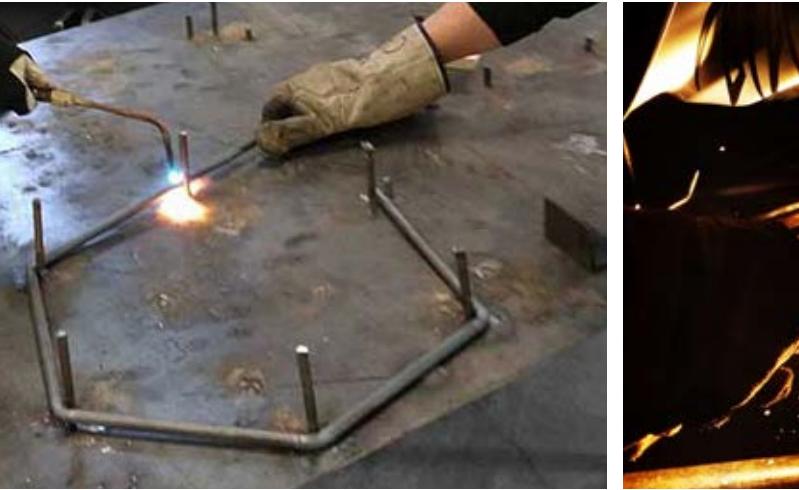
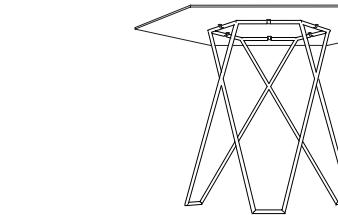
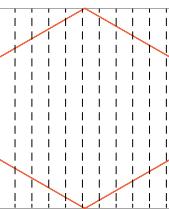
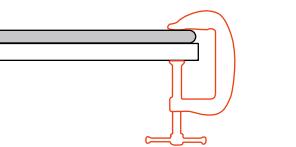
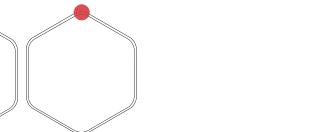
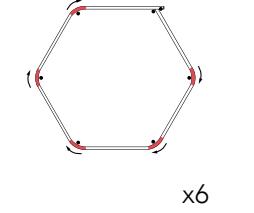
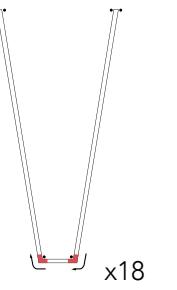




FURNITURE DESIGN | fall 2014 | team collaboration

Growing Places Indy commissioned two Ball State architecture studios to work on a design-build project deemed "GRIDfarm" in Indianapolis, Indiana. Deliverables included a rebar gridshell skinned with repurposed RCA Dome fabric, a vegetable wash station, and retrofitted shipping containers. This three-person team was responsible for six tables to be used on-site, built from donated chalkboards and 1/2" steel rods. The challenge was to design a table that fit seamlessly into the other pieces of the project, especially the intricate woven chair design. The final design boasts hexagonal tabletops and a three-leg base attached to a hexagonal ring.





Chop

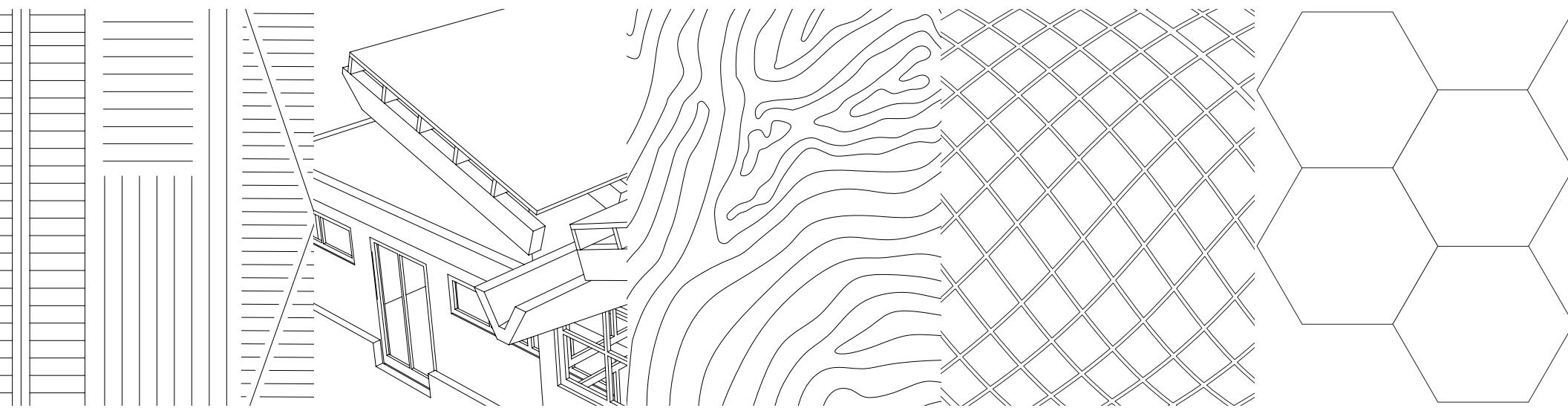
bend

weld

smooth

cut

join



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