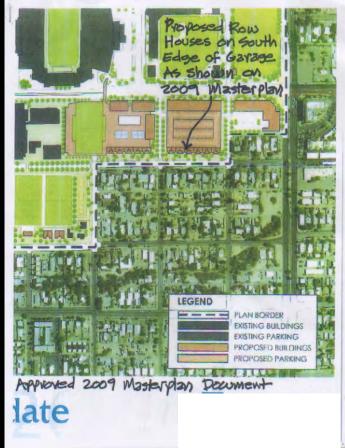


SOUTH STADIUM ROWHOUSES: Design-Build from Macro to Micro



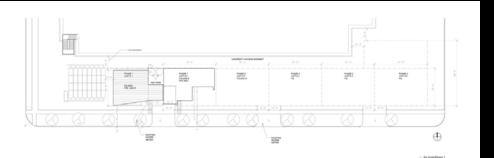


A decade-long design-build project necessitates an organizational strategy that allows design of an entire project while also creating subcomponents that facilitate new design opportunities and a sense of authorship by each generation of students involved.

Context: a new Master Plan for the University in 2009 resulted in heated conflict between the University and an adjacent residential neighborhood over projects in the expansion zone. Besides the removal of existing housing stock, a new parking garage would be much larger in scale than the residences at the expansion boundary. Eventually, the University and neighborhood association reached an MOU that included a "visual buffer" between the parking structure and the neighborhood.







Project Overview: in 2014, an Architecture professor proposed to the University and neighborhood association that students design and construct a row of small houses to mitigate views of the parking garage, transition the street edge back to a residential scale, and help stabilize the residential boundary. A 2015 studio produced and presented multiple masterplan proposals to joint meetings of the neighborhood association and the University's planning committee. With unanimous support from the stakeholders, the South Stadium Rowhouses became an official University project.

Project Components: after completion of the parking structure, the masterplan proposals were handed off to new generations of students in 2018, who would design the individual housing units, produce construction drawings, and build the rowhouses. Depending upon their year level in the Architecture programs, students could be involved in one, two or three semesters of the sequence. They might, for example, design and draw construction documents, then build for one semester. Or, they might come in during building semesters and inherit many design decisions already in place. The accompanying presentation illustrates how deeper and more focused design projects each semester gave students the opportunity for full engagement and authorship of the projects as they were realized.

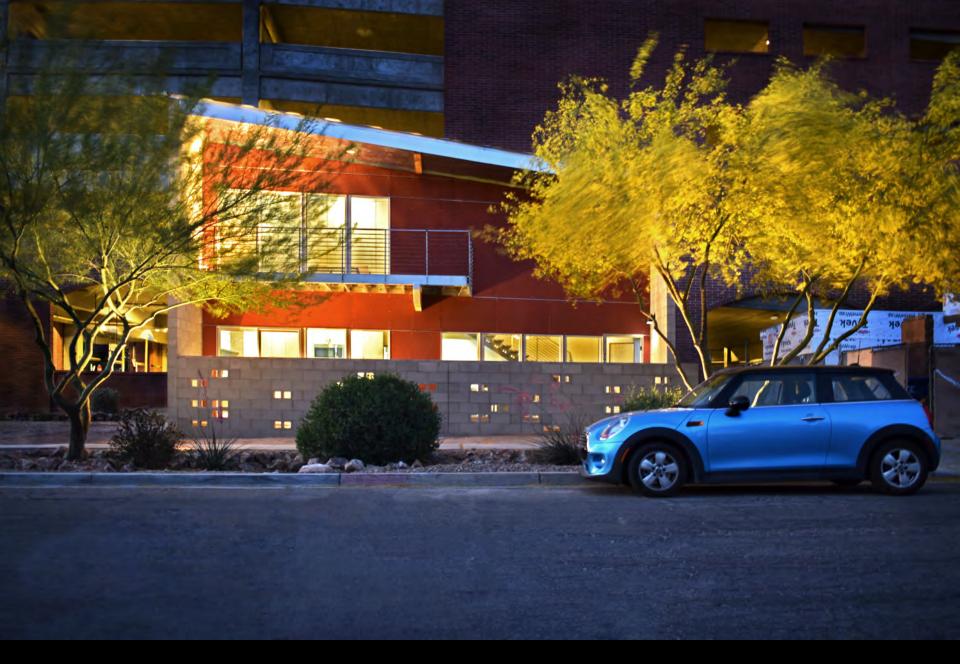


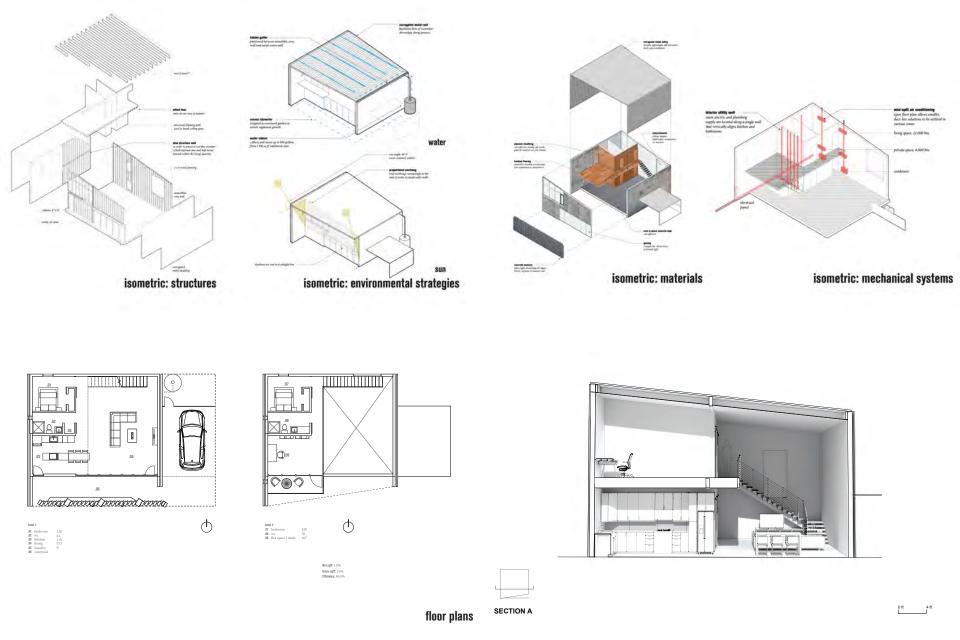






GENERATION 1: Master Plan designs produced for south stadium site by 2015 studio illustrate density and scale.





GENERATION 2: Design and Construction Documents for Rowhouse 1 - Fall 2018



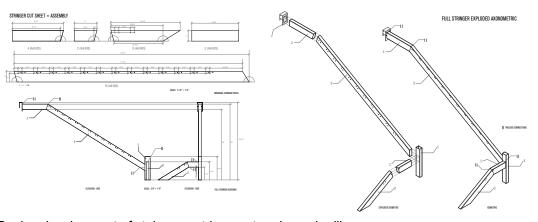








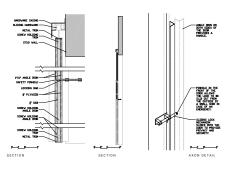
GENERATION 3: Construction of Rowhouse 1 by Architecture Students - Spring and Fall 2019





Design development of staircase; stringers, treads, and railings

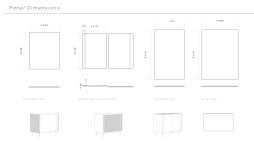






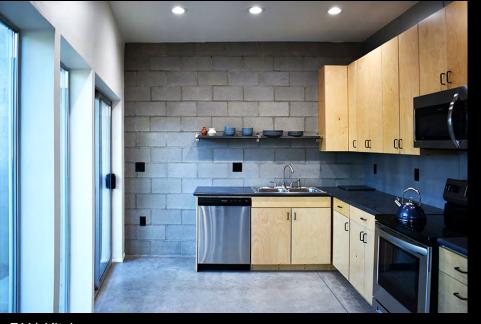
Design development of plywood bedroom and bath core





Design development of bathroom cabinets, fixtures, and finishes

Examples of Focused Design Projects by Rowhouse 1 Construction Team (Generation 3)



RH1 Kitchen



Loft Study Area



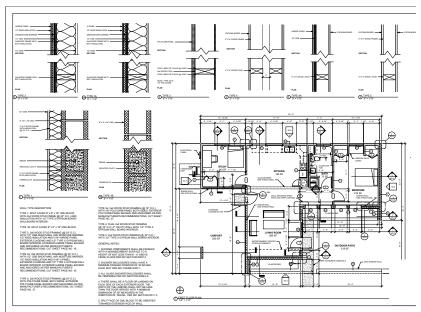
Living Room and Stairs to Loft



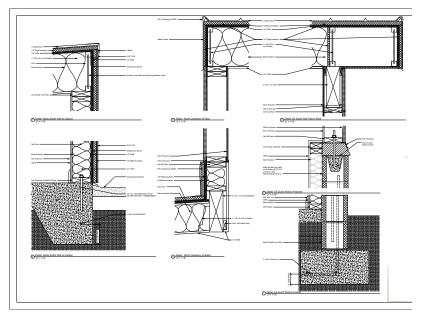
Stacked Bedrooms and Bathrooms











GENERATION 2: Design and Construction Documents for Rowhouse 2 - Fall 2018





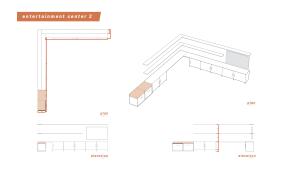








GENERATION 4: Construction of Rowhouse 2 by Architecture Students - Spring and Fall 2020



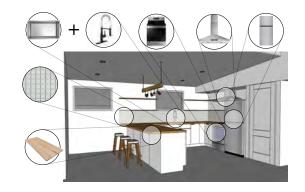
Invitory built-ins

wood pricing

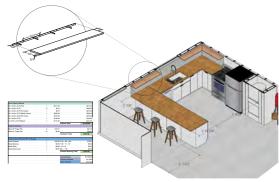
wood pricing



Design development of built-in furniture pieces

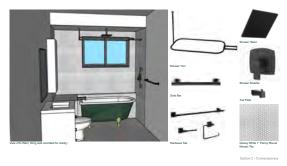






Design development of kitchen cabinets, appliances, and finishes









Design development of bathroom cabinets and finishes

Examples of Focused Design Projects by Rowhouse 2 Construction Team (Generation 4)



RH2 Living Room



Bathroom / Laundry



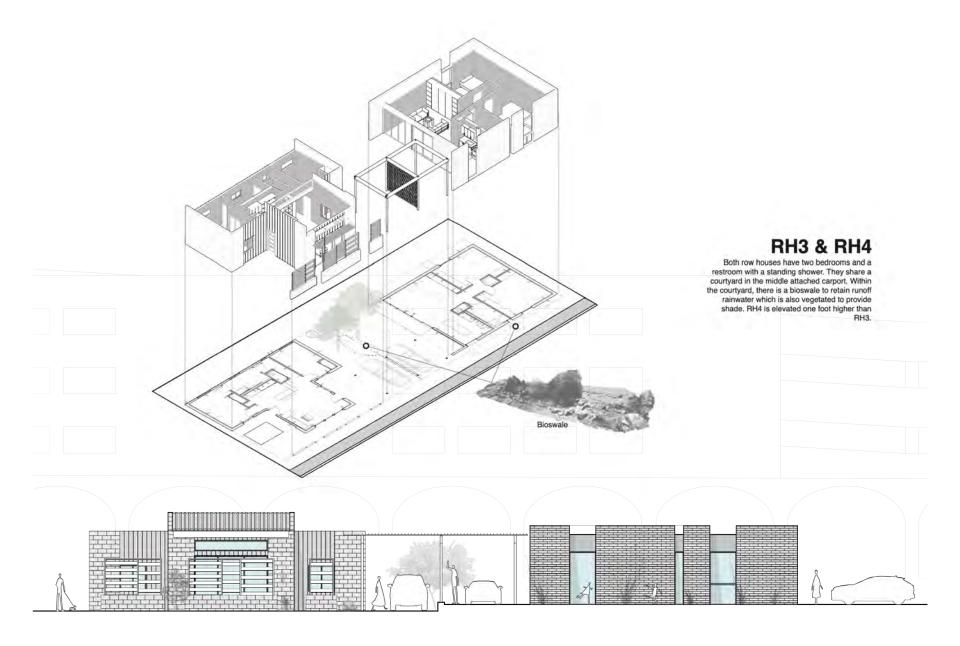
Kitchen / Dining / Living Areas



Bedroom 1



Rowhouses 1 & 2 with adjoining carports: RH1 serves as station house and residence for campus medical students who comprise the EMS team; RH2 is a residence for visiting scholars.



GENERATION 5: Design and Construction Documents for Rowhouse 3 & 4 – Spring 2021











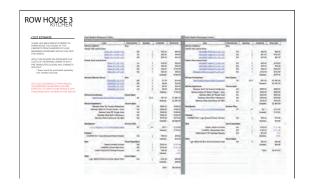


SOUTH STADIUM ROWHOUSE 3 & 4: under construction now GENERATIONS 5 & 6

Spring 2021 – Fall 2022

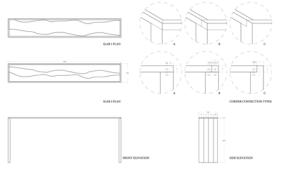


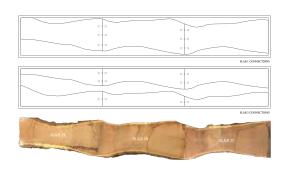




Design development of kitchen cabinets, fixtures and appliances

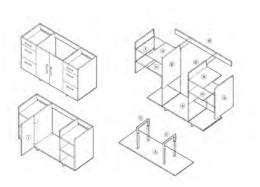


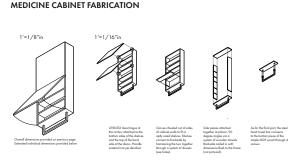




Design development of bar counter with salvaged lumber



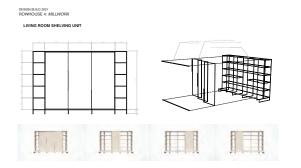


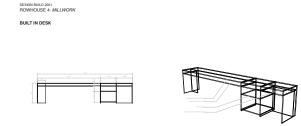


Design development of bathroom fixtures and finishes

Examples of Focused Design Projects by Rowhouse 3 Construction Team (Generations 5 & 6)

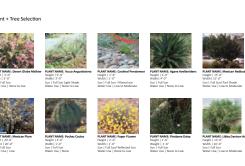






Design development of built-in furniture pieces



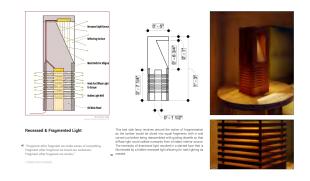




Design development of landscape features







Design development of light fixtures using salvaged lumber from an historic campus building

Examples of Focused Design Projects by Rowhouse 4 Construction Team (Generations 5 & 6)









GENERATIONS 5 & 6: Construction of Rowhouse 3 & 4 by Architecture Students - Fall 2021 – Fall 2022 GENERATIONS 6 & 7: Rowhouse 5 (final unit) - 2023