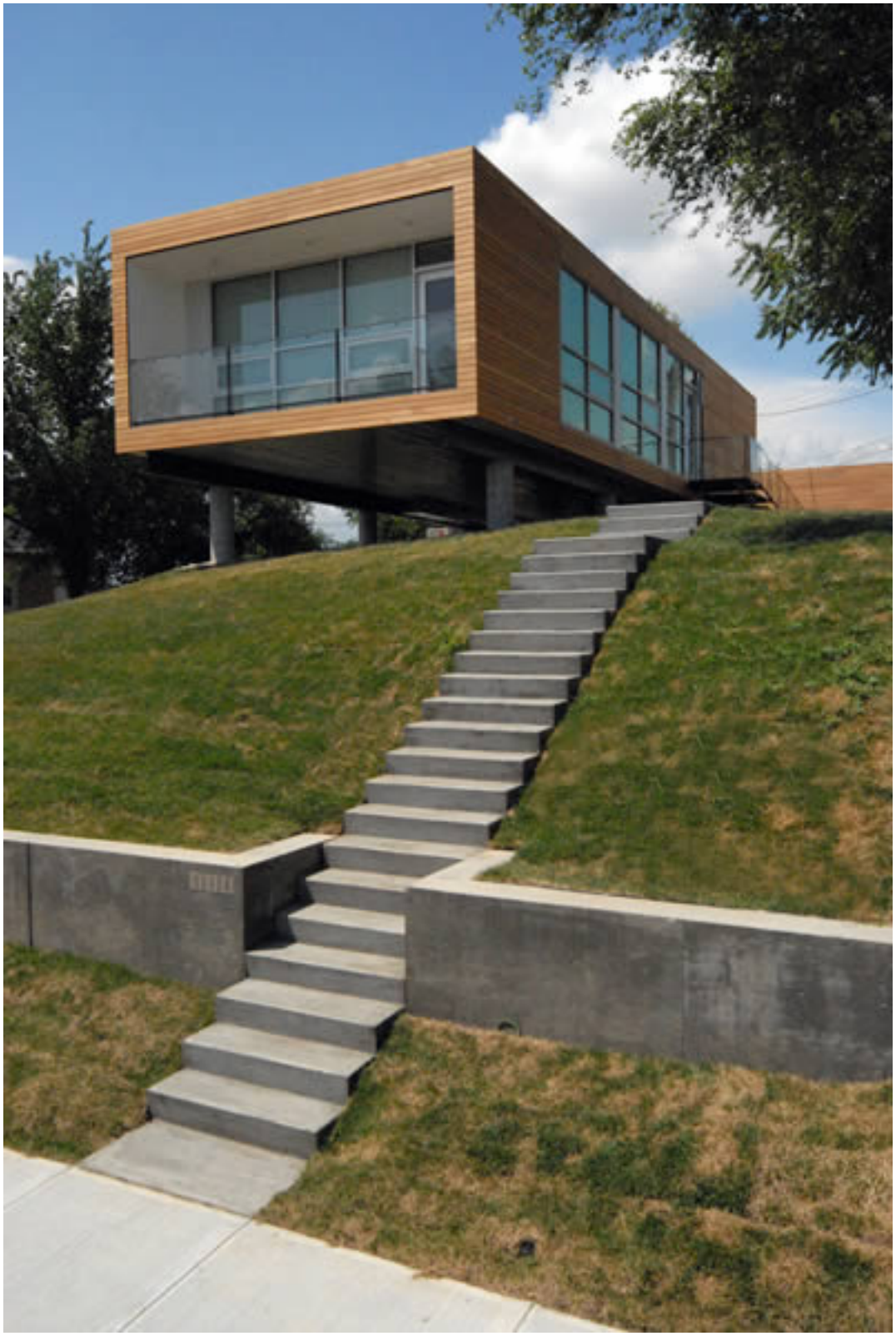
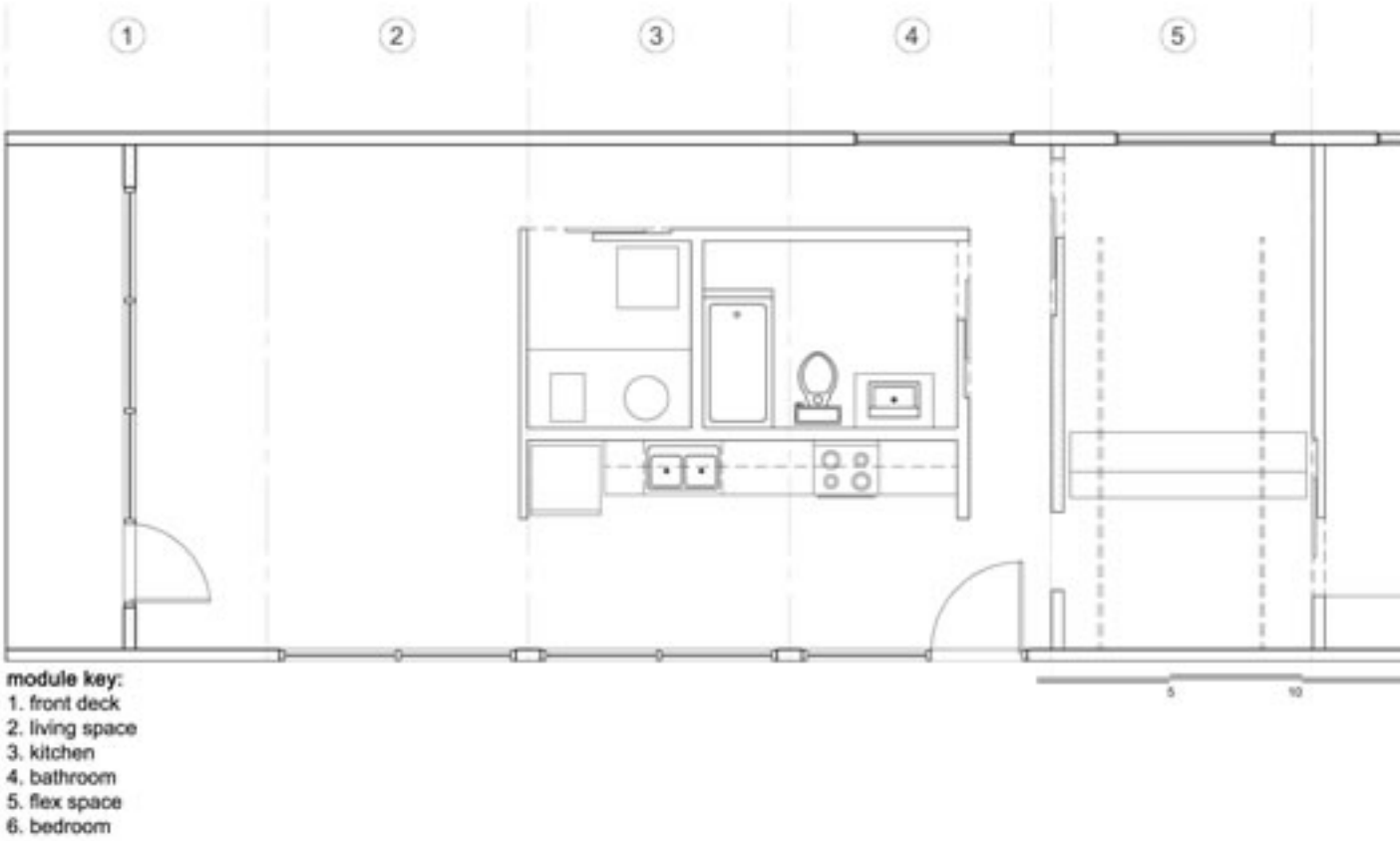


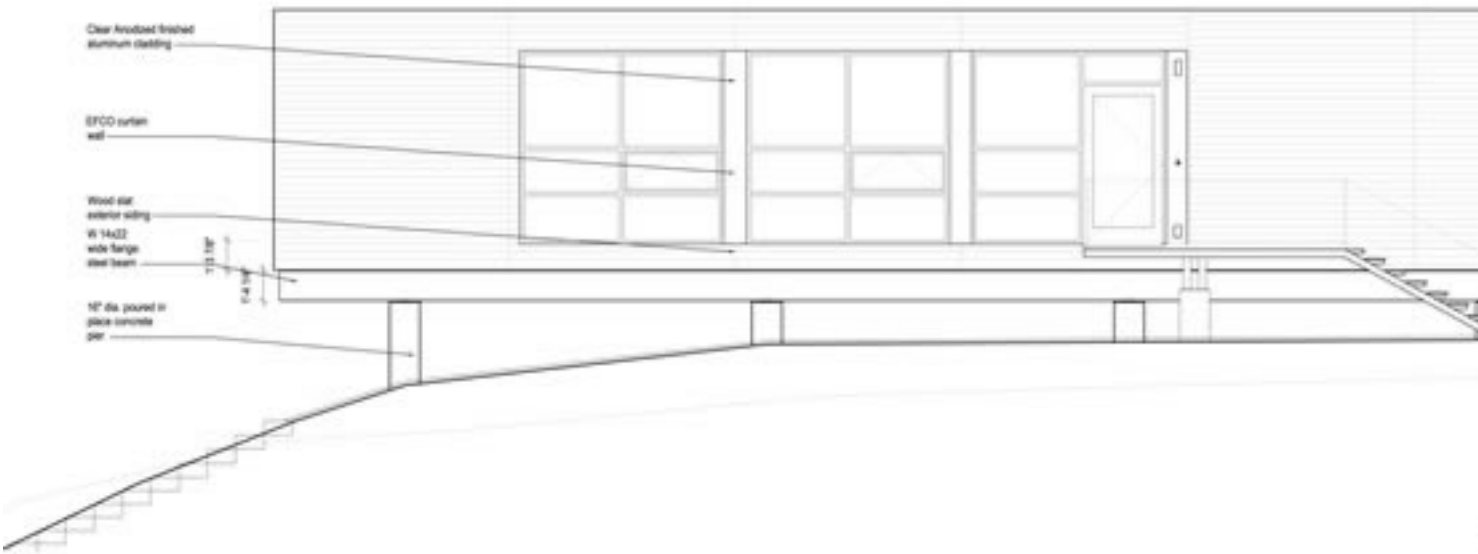
Previously featured on Archinnovations for their Sustainable Prototype , Studio 804 is a design/build program at the University of Kansas School of Architecture and Urban Planning. Studio 804 provides students with critical knowledge that prepares them for their future work as young architects in a rapidly changing and challenging profession.

This is another tour-de-force by this program. Constructed in the spring of 2006, Modular 3 is a prefab house perched from the highest point in its local vicinity. It offers a magnificent view of the downtown Kansas City skyline, accentuated through extensive floor-to-ceiling glazing. Chosen not only for its view, the siting of Modular 3 fills in a once vacant lot, intended as a part of the solution towards the renewal of the city.

Modular 3 takes full advantage of the 1,200 square feet of living space offering two bedrooms and one bath, with a movable storage wall that creates a flexible design where a single bedroom can become an office and separate storage space. Careful consideration was taken in

controlling and utilizing day-lighting in the floor plan.





Wood is the natural material of choice for building the prefabricated units, as it is economical, easy to assemble, and flexible in maintaining structural tolerances. Floor and roof trusses are made with TJI-230, used for their ability to span long distances, provide HVAC, electrical, and plumbing access, and their relative lightness which is crucial to the prefabrication process. This combination of wood components poetically utilizes and takes advantage of the properties of

both natural and engineered lumber.

[illegible]