

Design Build Studio 7
ARC 407-510, 607-609 Design VII-X
B.E. & W.R. Miller BuildLab and Fairchild Shade House prototype
MW 1:30-6:00, Fall 2017
Adamson/Ceo

B.E. & W. R. Miller BuildLab

The School of Architecture's new Design/Build Studio building will be finalized by 2017. The project involves all aspects of outfitting and finishing the structural frame of the building with doors and panels to enclose openings, the outfitting of the containers designed to house materials and tools, and all set up of tools and tables to finish the building. Additionally, we will also take on a small project for Fairchild Tropical Botanic Garden.

Fairchild Shade House prototype.

This project is to design a kit-of-parts shade house prototype that can be built by unskilled labor, assembled and disassembled as needed. It is a prototype because it will be the design that will be repeated as much as 30 times and perhaps more, if the design is economically-feasible. The project is to supplement the Million Orchid Campaign Fairchild has undertaken, to restore the native orchid population in Dade County. The StemLab project undertaken by faculty Jim Adamson and Austin Matheson and completed in 2016, provided the momentum to jump start the program at the county level with a mobile orchid propagation lab used by area schools. Now that more than 20,000 orchids have grown to a size that needs further attention, and a different growing environment, Fairchild has generously supported the design and construction of a shade house prototype to finish the growing process. The shade house will provide area schools with the necessary structure to finish the growing cycle making the orchids large enough to be transferred to in-ground and aerial tree sites to complete the process.