OREGON BILDS

ARCH484/584

CRN 10000 / 10001 – Spring 2024  Mon / Wed / Fri 1:00-4:50pm (6 credits)
Instructors: Roger Ota, Holly Nuovo

PROJECT DESCRIPTION: OregonBILDS is a residential design-build program that has been active for the last 11 years. BILDS stands for “Building Integrated Livable Designs Sustainably,” which describes the overall goals of the program. In the past, Architecture, Landscape Architecture, and Interior Architecture students have designed and constructed one affordable residence each year.

This spring studio will be focused on the development of two affordable residential units in a ‘cottage cluster’ of five units on a site in Cottage Grove, Oregon for Habitat for Humanity. The studio will work within a previously designed site plan, to refine the siting and configuration of two custom residences, with the eventual goal of permit drawings.

A LOCAL MODEL:

THE STUDIO: The entire studio will work collaboratively toward developing a unit designs that can be constructed by Habitat for Humanity staff and volunteers, and UO students in Cottage Grove. The first two weeks of studio will be dedicated to defining the problem in terms of program, site constraints, code restrictions, and client directives. Each student will make an individual proposal and unit plan. The studio will then work collectively to synthesize the best elements of each design into two cohesive proposals that will be developed throughout the term. The end result will be a set of permit drawings.

DESIGN ISSUES TO BE STRESSED:

In the first part of the term, an analysis of the site, development restrictions, environmental response strategies, and preliminary budget analyses will be central to the generation of schematic design proposals. After proposals are reviewed by the client, the focus will shift to design development: refining the character of the project, with special emphasis on plan characteristics, structural systems, finishes, details, and site specifics. The following concepts will be featured during the design process:

- The nature of sustainable architecture.
- Fundamentals of residential design – site and building design, budget, code analysis, and development of drawings for permitting.
- Fundamental issues of affordable housing.
- Integration of building technology to define/support the spirit of the project.
- Collaboration, teamwork, and the role of the individual in the design process.