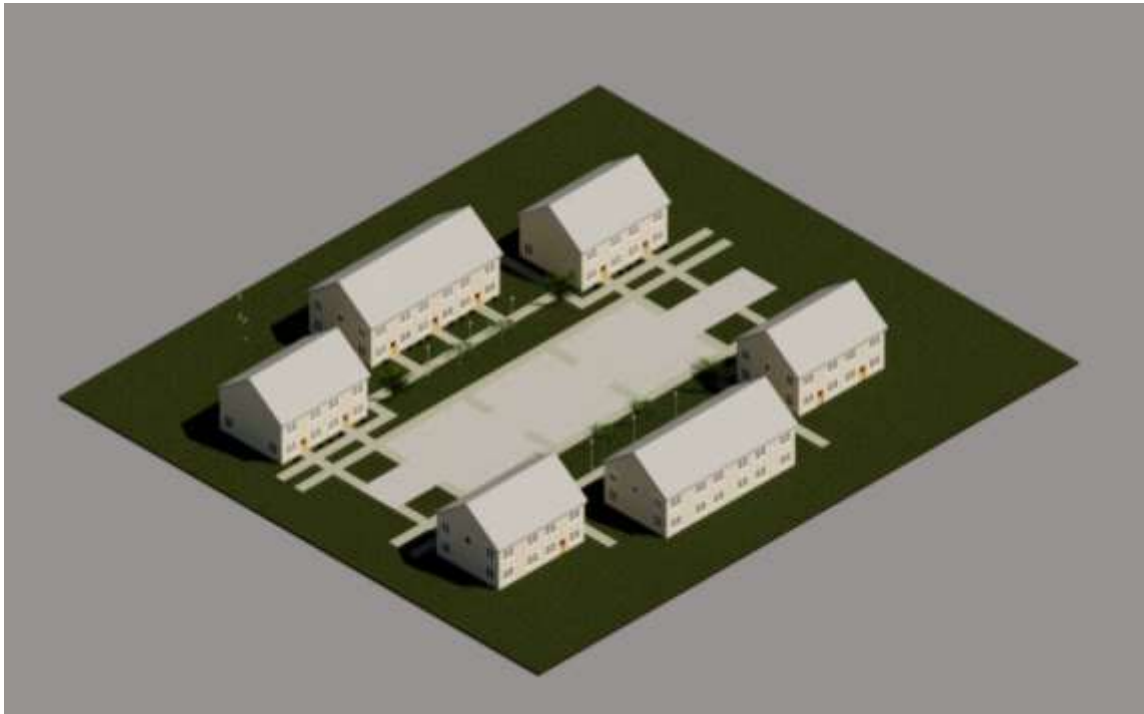


Cedar Hill Housing

Juan Parra Castro

Site Design



First Person Perspective



Exterior Two Point Perspective



Figure 1: 1 of 2 Main buildings housing 18 students



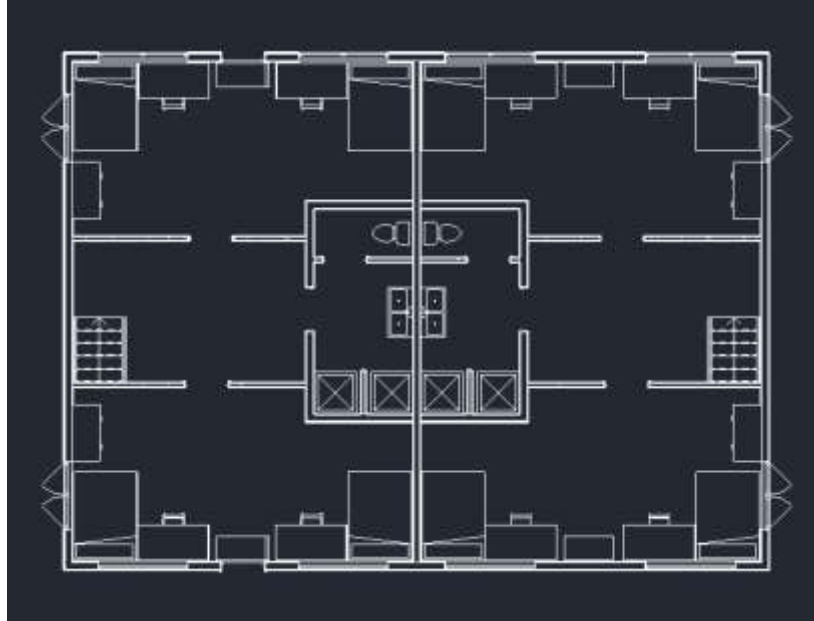
Figure 2: 1 of 4 Outer Buildings housing 12 students

Average Double Dorm



Floor Plans -

All residential buildings and dorms follow a similar structure to Elizabethtown College's Schreiber Quadrangle (Quad's) on Campus Road, including a kitchen and living room on the first floor, and two double bedrooms on the second floor, with a private single bathroom, double sinks, and two shower spaces. Each room measures at about 17' 0" x 24' 0", fitting two full beds, dressers, wardrobes and desks. The outer buildings are replicates of the center ones, however there will be two extra rooms in the attic for more space, in this area there will be a 5th roommate, with their own restroom. In total, these residential buildings will be housing about 70 students, who will all be upper classmen.



Section Drawing



Design Narrative -

- This neighborhood development proposal is meant to house upperclassmen, that is why this is more of a neighborhood, rather than a residence hall such as Ober, Royer, or Myer Hall. There is a good amount of relativeness to the Schreiber Quads, which is designed to give students more privacy, become independent, and prepare them to live in apartments/houses. This design on Cedar Hill will not have an entrance through East Cedar Street, but rather through Cherry Street which will be connected to this development, allowing students' safety, privacy and wellness.
- The shape of these homes are simple, easy on the eye, and very static and stable. While being at a higher elevation than its surrounding building, there is an "elevated plane which separates from surroundings and creates a domain within a larger spatial context." There are no secondary compositions due to all buildings being roughly the same size, however there is a regular composition of regular forms and adjacent spaces, rather than a clustered form.
- The roofs are designed using a structural wood joist which can be batt insulated, a layer of plywood sheathing, and finished with Asphalt Shingles. They are designed based off the Open Gable Roof, however, since there are some individual rooms in the attics, I plan on redesigning and creating dormer roofs, where an individual might peer out the window into the beautiful neighborhood.
- The Cedar Hill project is based on human scale and visual scale, "not actual dimensions, but how small or large something appears in relation to its normal size of other things.
- According to Le Corbusier and his theory "modular", he had seen the measuring tools from Egyptians, Greeks, and other civilizations as being "infinitely rich and subtle because they formed part of the mathematics of the human body, gracious, elegant, and firm, the source of that harmony which moves us, beauty." That is why the homes' compositions and grid are based on using proportions of the human body and its functional dimensions.