

**FLOOR PLAN**  
1" = 12"

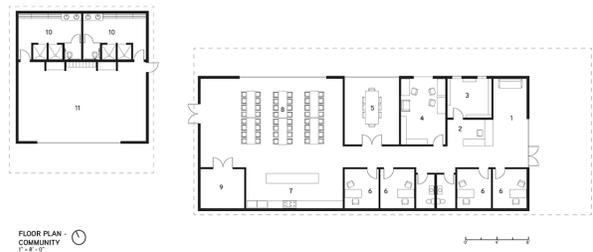
This urban microhousing community is a mix of smaller single occupant and larger family units which aims to create a cohesive community that provides a place of safety and restoration for homeless veterans. Organizing the project around interior courtyards breaks down the larger community into smaller, more manageable, and accountable circles.

From more social outward facing to more quiet, inward facing units, the layout of the site intends to allow for a range of individual personalities. Larger open spaces made for a variety of activities allows the residents to adapt their community as they see fit.

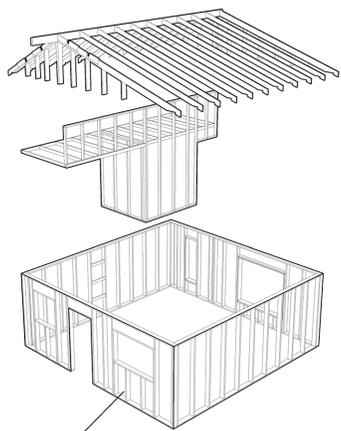
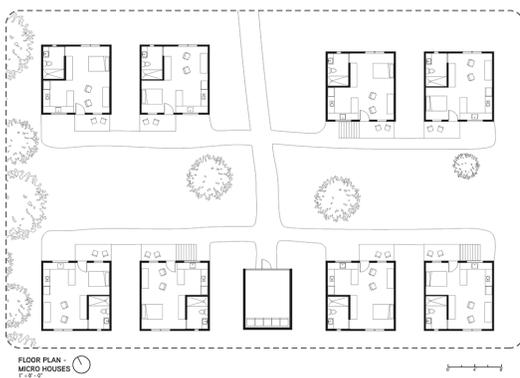
46 Total Units | 33 single occupant - 400 sqft | 13 family - 600 sqft



**Durham Microhousing | Ross Davidson**



- 1- lobby
- 2- security
- 3- mail
- 4- laundry
- 5- meeting
- 6- office
- 7- kitchen
- 8- dining
- 9- storage
- 10- locker room
- 11- gym



advanced framing uses less lumber and allows for higher R-value than conventional framing

maximizing permeable surfaces across the site helps mitigate the community's impact on natural groundwater recharge

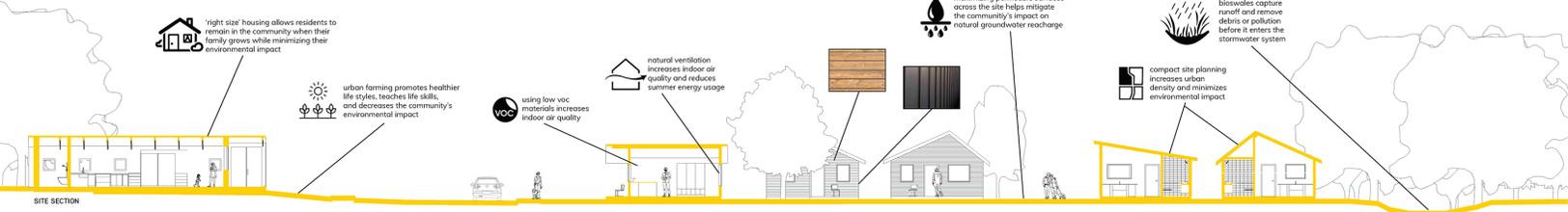
biowalls capture runoff and remove debris or pollution before it enters the stormwater system

urban farming promotes healthier life styles, teaches life skills, and decreases the community's environmental impact

using low voc materials increases indoor air quality

natural ventilation increases indoor air quality and reduces summer energy usage

compact site planning increases urban density and minimizes environmental impact



**MICROHOUSING FOR HOMELESS + DISABLED VETERANS**  
NC State College of Design, School of Architecture | NC Coalition to End Homelessness