Lake Village is a mixed-used workforce housing complex on the western edge of downtown East Village. Commercial spaces, such as retail shops and cafes, line the perimeter of the site with housing units sitting above. Pathways through the site connecting to the public walkways with the idea of the front porch creates a village-like social intimacy between the residents and the community. The site is broken into three clusters that surround a courtyard, and each building block creates a mini neighborhood within the site and downtown.

**Connect To Pathways**

**Create Courtyards**

**Fit Units**

**Orient To Sun**

**Fit Other Program**

The American Front Porch / a traditional interface between town and community. Connects to nature and the surrounding land. Encourages social interaction between neighborhood and community.

**Program**

- 8,000 sf commercial
- 27,000 sf residential
- 28 residential units

**Sustainability & Fire**

- **Green Roof** / good for stormwater management. A natural insulator, which reduces energy costs. Creates a connection with natural environment.
- **Fiber Cement Siding** / a mix of cement, sand, recycled wood fiber. Can maintain the natural aesthetic of wood grain while staying very durable, fire resistant, and weather resistant. Good thermal resistance, which prevents heat transfer.
- **Concrete** / a non-combustible building material. Its thermal mass properties allow for solar heat gain during colder months, which reduces energy costs.
- **CLT (Cross Laminated Timber)** / renewable & very sustainable due to carbon sequestration properties of timber. Stronger than typical light frame wood construction. Char layer provides fire resistance, prevents further degradation, and keeps structural integrity intact. A good insulator, which reduces energy costs. Creates a connection with the natural environment.
- **Radiant Heating** / uses less energy & is more efficient than air-based systems, which reduces energy costs.
- **Natural Ventilation** / operable windows on opposite sides of the room allows the space to be passively cooled, which reduces energy costs.

**Wall Section**

- **Roof Assembly** / 3" growing medium, protection mat, drainage layer, 2" insulation
- **Floor Assembly** / 3-7/16" CLT panel, 6-3/4"x18" glulam beams, 9' o.c, 10"x10" glulam columns, 1" gypsum board
- **Wall Assembly** / 5/16" fiber cement siding, 1" air gap, girt system, 4" insulation, water resistant barrier, 5-7/16" CLT panel, operable glazing
- **Floor Assembly** / 4" radiant concrete floor, 8" rigid insulation, 5" concrete slab, 10"x18" concrete beams, 9' o.c, 10"x10" concrete columns
- **Wall Assembly** / 5/8" stucco, 4" insulation, 8" concrete wall