Hearth House is an affordable multi-unit housing solution which accommodates various living situations ranging from the single working class tenant to a three person family all within the same building. The design reduces costs and promotes a sense of community through the use of shared amenities and resources available to residents.

The front half of the building has larger family units, and back half is designed for singles (or some couples). The connecting bridge is a social space including lounges, dining, laundry, and support rooms.

The courtyard embraces the concept of the hearth as a place of warmth, cooking and gathering. We want to expand this concept and prioritize spaces where communities are formed.

2 bedroom layout

Although these interlocking units start at only 325 square feet, they are outfitted with all the amenities and features expected of two bedroom units.

Typical Apartment Floor Plan

Ground Floor Plan

Sustainability Diagram

Solar PV Panels - Generate electricity

Solar Thermal Panels - Generate hot water

Super Insulated R-40 Roof - Provide better insulation than conventional windows

Recessed Fiberglass Windows - Self shading, Reduce overheating in summer time, Allow passive solar heat during winter

Cross Ventilation at 4th Floor Lofts and other locations

Roof Slope - At optimal angle for solar exposure

Minimal East/West Glazing - Reduces Peak loads & equipment sizing, Minimizes distracting glare

Wall Assembly - Continuous Rigid Insulation

Variable Refrigerant Flow - High energy efficient HVAC

Rooftop Condenser Units - One per each floor

Indoor Evaporator Units - Provide heating or cooling throughout the year

Bike Storage

Ground Floor Living

Communal Living & Kitchen

Site Plan

Concept

Shared Courtyard (Hearth)

Bedroom Suite Layout

2 Bedroom Apartment Layout

Ground Level Copy 1

Level 2 & 3 Copy 1

Level 4 Copy 1