

SUSTAINABLE DESIGN

The Hope Center & Berkeley Way Apartments



DESIGN FOR EQUITABLE COMMUNITIES

- EQ1. Continuum of care combining four housing types together on one site; providing safe, healthy, and stable homes for all**
- EQ2. Centrally located and integrated into the fabric of a vibrant & transit rich downtown community; located near BART & bus lines**
- EQ3. Bike parking & network; bike score 96
- EQ4. Pedestrian oriented community; walk score 99
- EQ5. Commercial kitchen serving meals daily & offering opportunities for locals, residents, staff, and volunteers to connect

DESIGN FOR WATER

- WA1. Bio-retention planters and permeable pavers detain 100% of the first 2.4" of stormwater runoff
- WA2. Drought tolerant plants & drip irrigation with smart sensors incorporated at street & courtyard plantings
- WA3. Low-flow water fixtures throughout

DESIGN FOR ECONOMY

- EM1. High resident density: 142 units, 6 dorms, 1 shelter = 206 beds**
- EM2. Two buildings on one site; economies of scale in construction & shared utility rooms
- EM3. Community rooms can be divided to host programs of various sizes
- EM4. Dorms have shared living spaces allowing more residents to fit in a smaller footprint
- EM5. Shared laundry rooms; allows typical units to be smaller in size & utilizes fewer machines overall

DESIGN FOR ECOSYSTEMS

- EG1. Lush native planting throughout, meeting the WELO and Bay Friendly Landscape Guidelines
- EG2. High-reflectance materials for heat island mitigation at courtyards and roof
- EG3. Construction start date delayed to avoid disrupting the nesting of local Rock Doves
- EG4. Dark sky compliant exterior light fixtures

DESIGN FOR ENERGY

- EN1. Eye-catching PV solar canopy emphasizes the commitment to clean, renewable energy**
- EN2. Solar hot water system reduces energy required to heat domestic hot water by 70%
- EN3. High performance windows with sunshades on south windows reduce heat gain
- EN4. LED lighting and Energy Star rated appliances
- EN5. Ceiling fans in all units reduce cooling demand

DESIGN FOR RESOURCES

- RE1. Low embodied carbon concrete contains 55% less cement than national average
- RE2. Finishes and materials selected for long term durability & low-to-no off gassing
- RE3. Rapidly renewable bamboo plywood used in common area woodwork
- RE4. Exterior siding wood panels are sourced from sustainably managed, PEFC certified forests

DESIGN FOR CHANGE

- CH1. Universal design features allow aging in place: lean rails, wide hallways, distinctive way finding, etc.
- CH2. Generator provides emergency power to lighting, plugs in community room for phone charging, and mini fridges holding medication
- CH3. Filtered & tempered air throughout; maintaining healthy indoor air when the AQI is unhealthy due to smog, wildfire smoke, etc.

DESIGN FOR DISCOVERY

- DI 1. PV energy generation monitoring allows for post-occupancy energy evaluation
- DI 2. Post occupancy surveys and thermal studies to be completed after first year of building use
- DI 3. Insights incorporated from roundtables with owners, residents, and staff at similar existing buildings

DESIGN FOR WELL-BEING

- WE1. Inclusive and welcoming hub for people in the region to access meals, healthcare, social services, and a supportive community**
- WE2. On-site Services Center in The Hope Center with exam room and therapy offices
- WE3. Courtyards offer elements for children to play & opportunities for respite & healing
- WE4. Large windows offer views, daylight, and natural ventilation in the units
- WE5. Artwork throughout the building created by locals, inspired by nature & the community
- WE6. Privacy for residents balanced with openness and views throughout the building

DESIGN FOR INTEGRATION

See **bolded** items throughout