

INNER PORTLAND INFILL SITE

6 dwelling units @ 1,500 sf each / 9,000 total sf housing / 40' max. height @ roof midpoint / 40% building coverage / 20% year round courtyard / 40% seasonal green areas

PORTLAND HYBRID

POWERPLANT / GREENHOUSE / COURTYARD / PLAYGROUND

The Portland Hybrid is a new courtyard building typology. By fragmenting the massing of the typical "U" courtyard building, taking advantage of the sloped roof seen on regional single family homes and combining the rewards of a year round garden greenhouse, the Portland Hybrid offers a new urban gathering space. At street level the whole site is opened up for residents and the community alike. The dwelling units are lifted to a second level and share a communal front porch. The main living spaces enjoy treetop views while more private spaces have views of private gardens. A series of green areas surround the living units on all sides, providing constant fresh air and light.



Typical "U" Courtyard Building : unusable outdoor space in winter, inward common spaces

Typical Pitched Roof Single Family Home: optimal for water shedding & rain water collection, sloped south face of roof ideal for solar harvesting

Typical Green House: year round growing season, clean air production

