

category: eastern Portland infill site

**container courtyard**

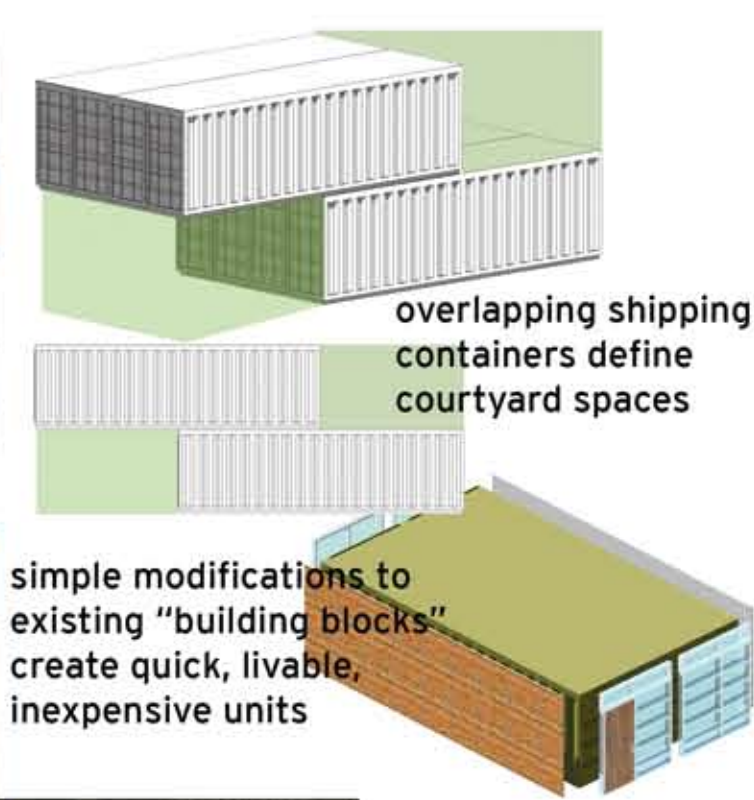
Around the ports of Portland sit thousands of empty and unused shipping containers ready for reuse as an inexpensive building resource. Shipping containers benefit affordable housing through: easy transport, consistent dimensions, easy assembly, structure, and durability. Pairing, stacking, and offsetting containers creates a variety of units and courtyard spaces. This creates public, private and semi-private courtyard spaces for the residents. The structural containers free financial resources for innovative super-thermal ceramic insulation (only mm thick @ R-28), and permeable concrete surfaces and structural grass and gravel paving systems. Shared courtyard parking is provided along the main frontage, allowing larger pedestrian oriented courtyards for playgrounds, seating, and communal gardens. Parking consists of a mix of permeable gravel and grass and provides additional courtyard daytime play areas and stormwater management.

11 total units: (3) 4bdrm. (4) 3bdrm. (4) 1bdrm.

data: max ht: 45' total building: 15,800 sq.ft. site coverage: 46% Unit 1 (4bdrm): 1,904 sq.ft. Unit 2 (3bdrm): 1,440 sq.ft. Unit 3 (1bdrm): 720 sq.ft. Unit 4 (1bdrm): 720 sq.ft. Unit 5 (3bdrm): 1,440 sq.ft. Unit 6 (3bdrm): 1440 sq.ft. Unit 7 (4bdrm): 2,160 sq.ft. Unit 8 (1bdrm): 720 sq.ft. Unit 9 (1bdrm): 720 sq.ft. Unit 10 (4bdrm): 2160 sq.ft. Unit 11 (3bdrm): 1440 sq.ft.



intermodal container storage yard outside downtown Portland



overlapping shipping containers define courtyard spaces

simple modifications to existing "building blocks" create quick, livable, inexpensive units



view from the SW



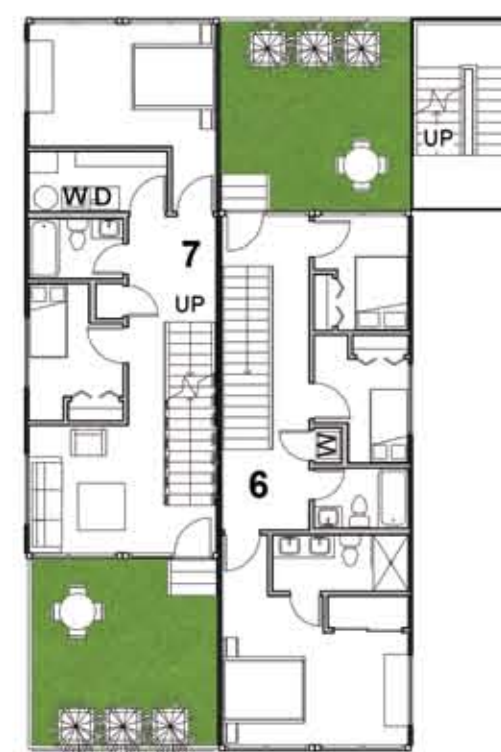
public & semi-private courtyards



first level private courtyards



second level private courtyards



first level/site plan

street

vertical container mail boxes & school bus stop