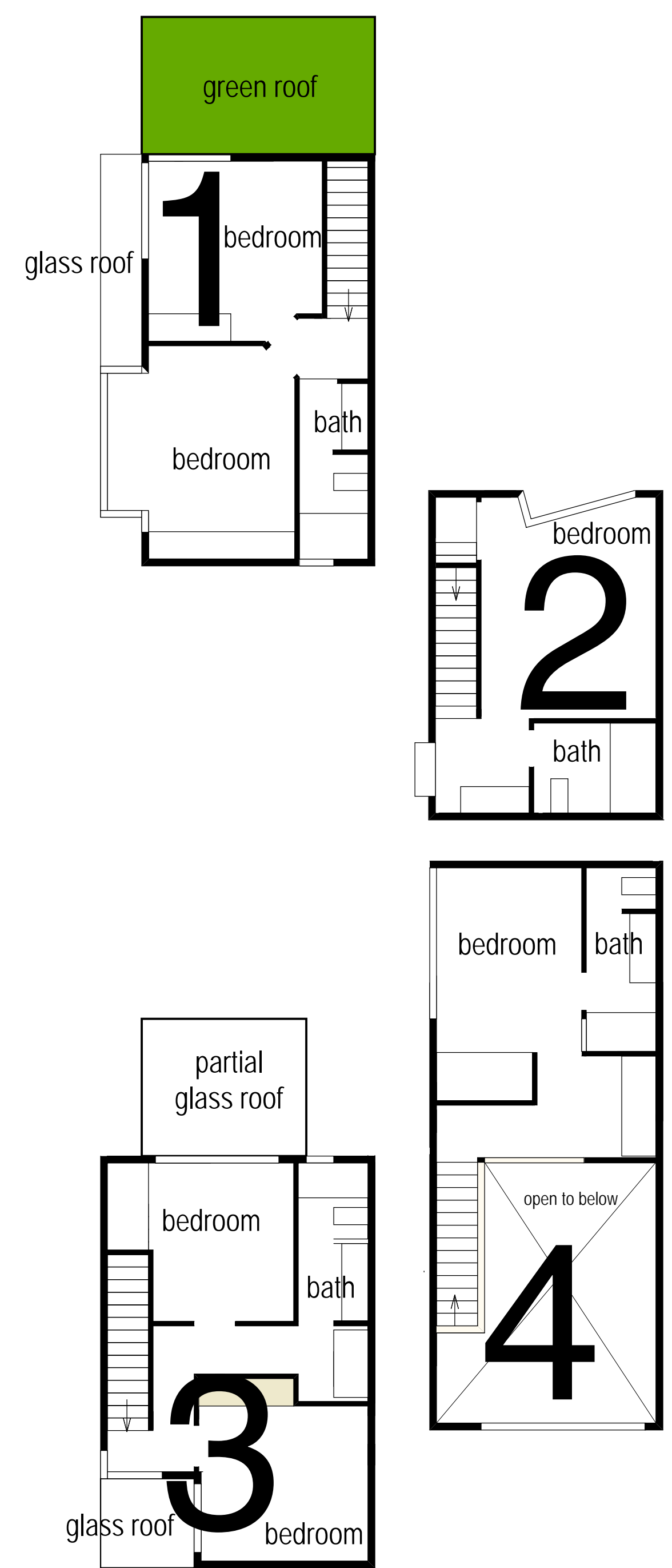
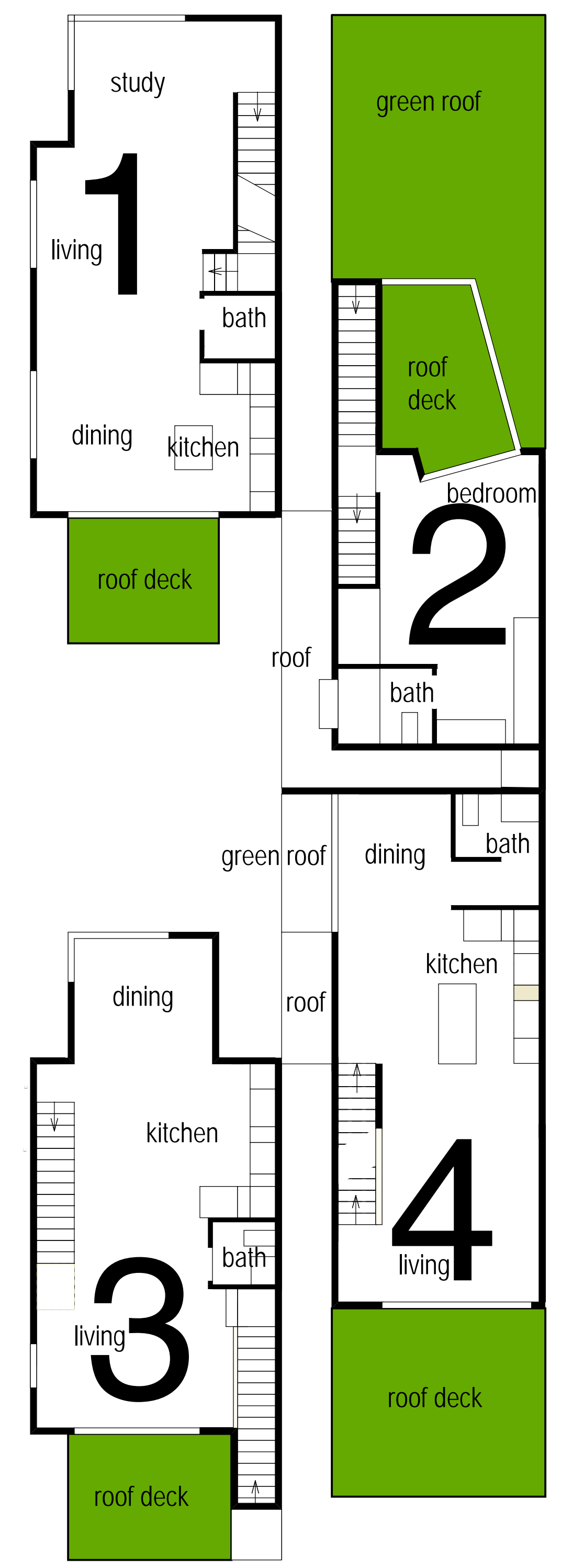


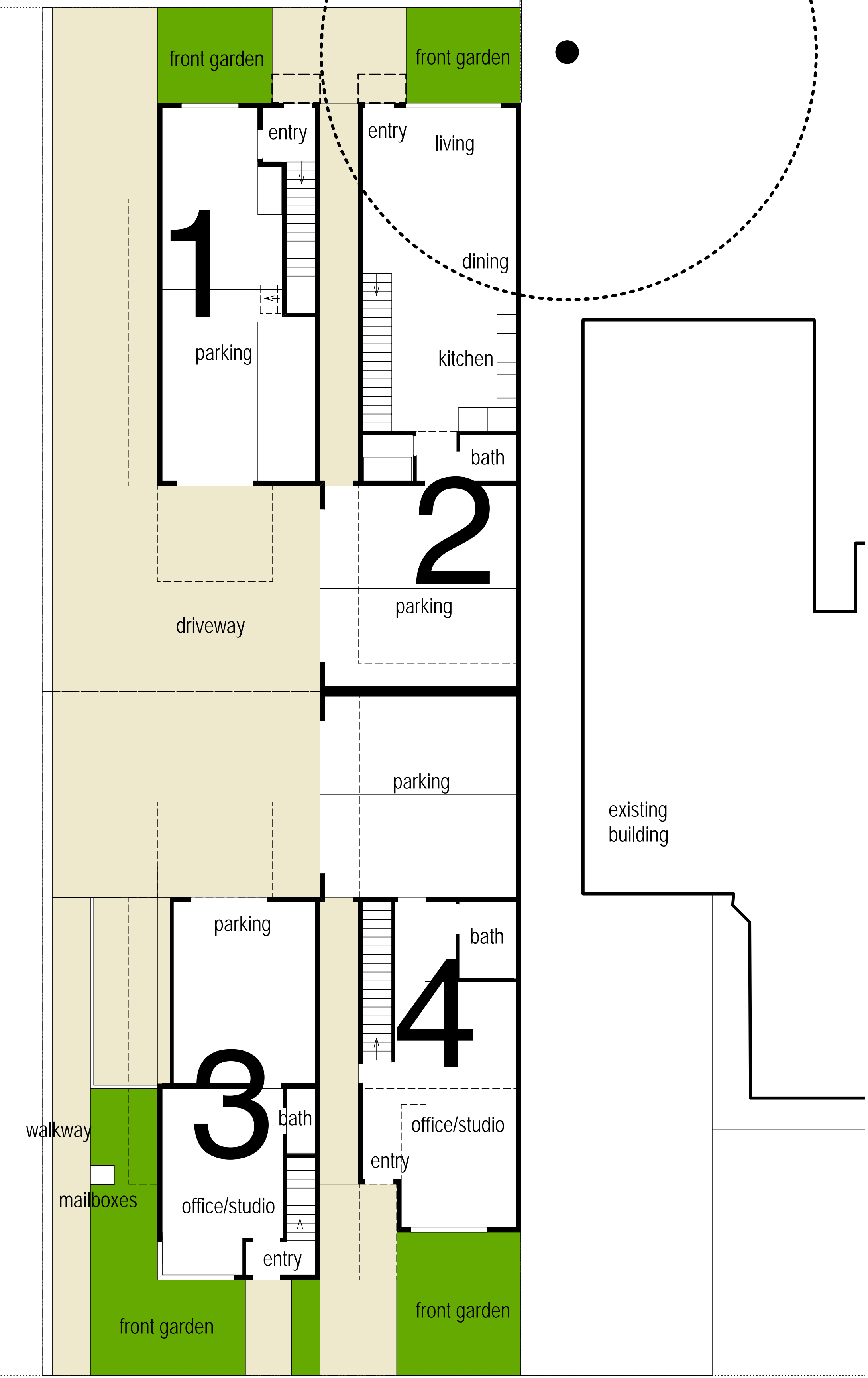
roof



third floor



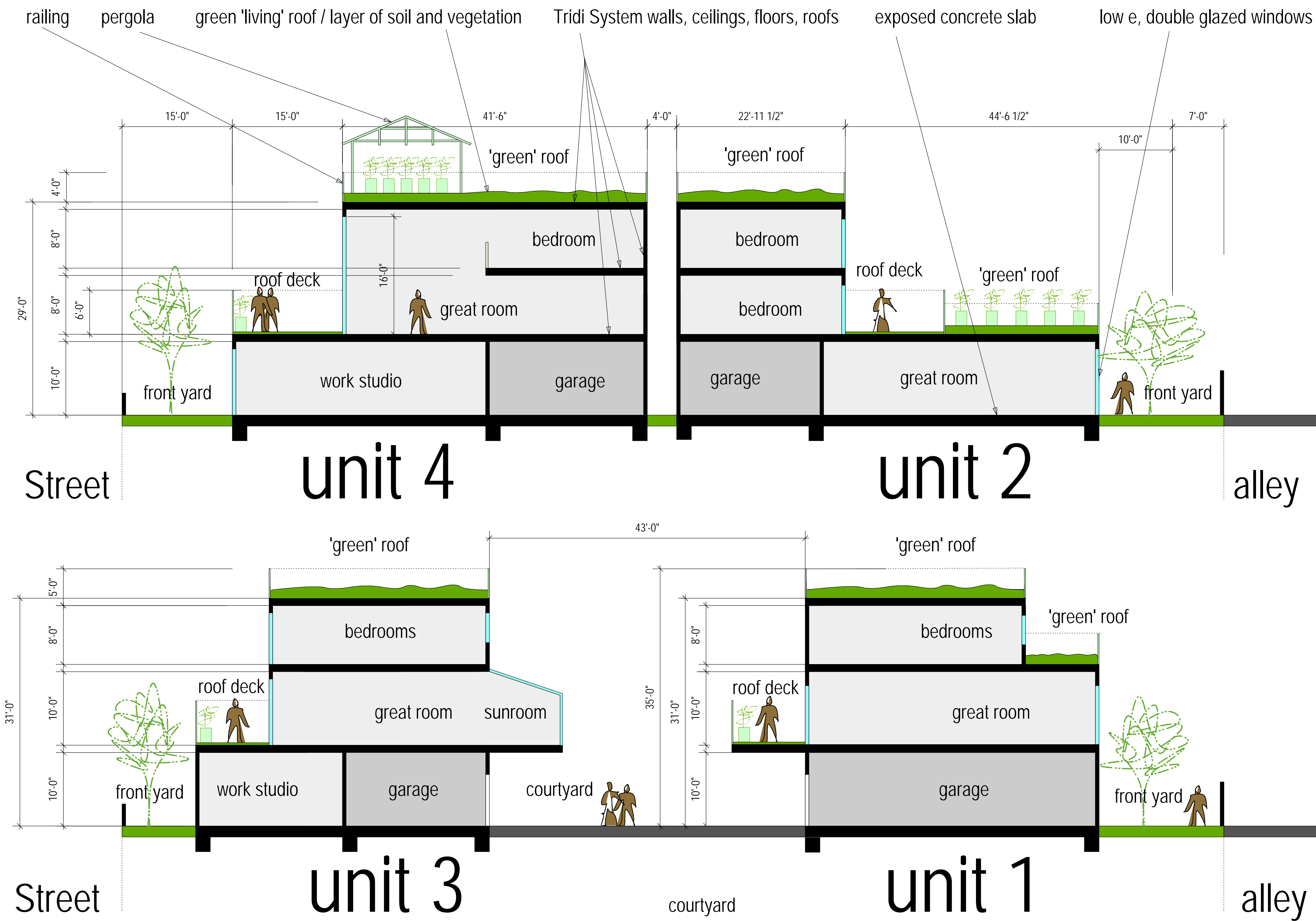
second floor



first floor

Street

urban oasis



PROJECT

4 townhouses for an urban lot

CONSTRUCTION SYSTEM

Tridi System:
a unique and forward-thinking building material consisting of a polystyrene core sandwiched between steel mesh onto which concrete is applied on both sides

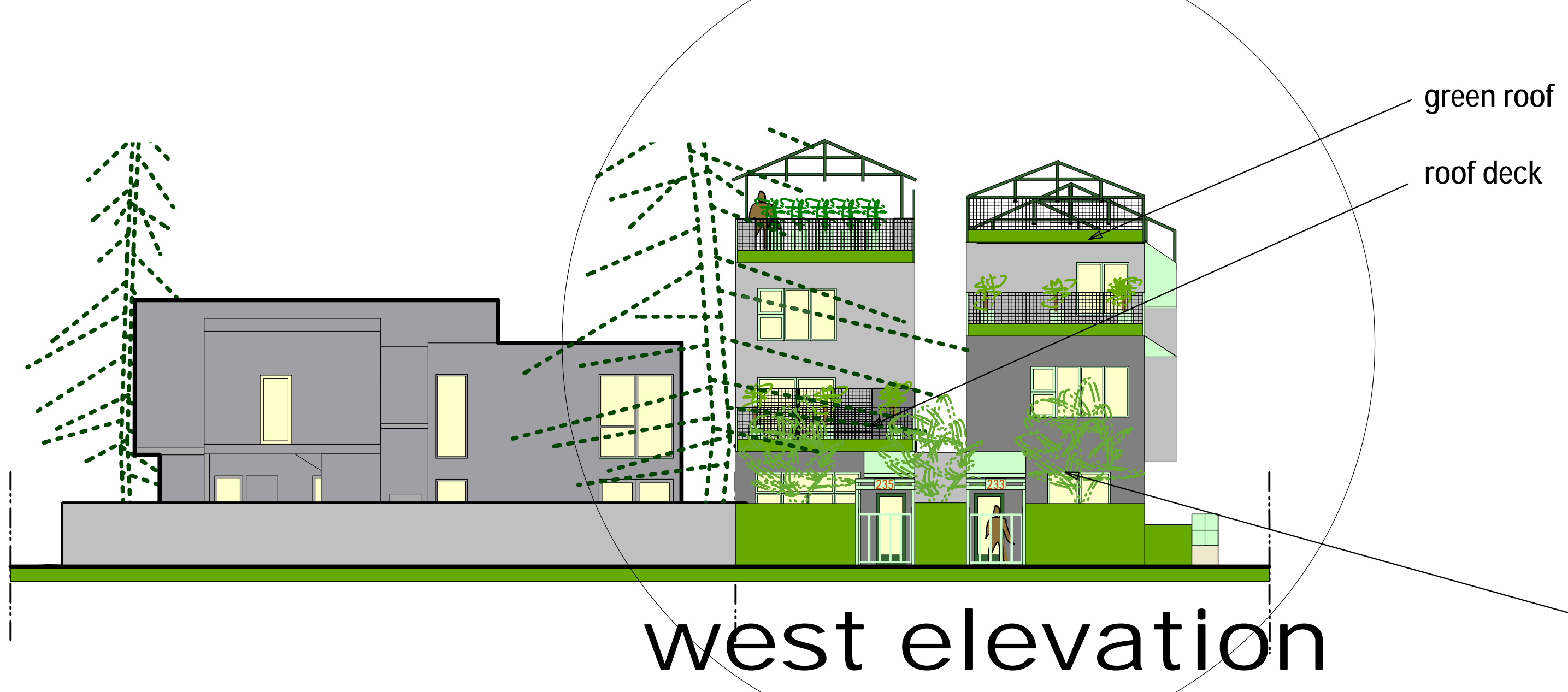
- innovative
- wood-free
- continuous floors, walls, roofs eliminating seams and joints
- extremely strong, especially suitable for seismic design
- long-lasting
- low maintenance
- termite resistant
- fire-resistant
- thermally efficient
- polystyrene core can be specified to 95% recycled Styrofoam
- provides thermal mass to moderate indoor temperature
- allows radiant heating and cooling to be built into exposed concrete ceilings
- can support green (living) roofs

GREEN (LIVING) ROOFS

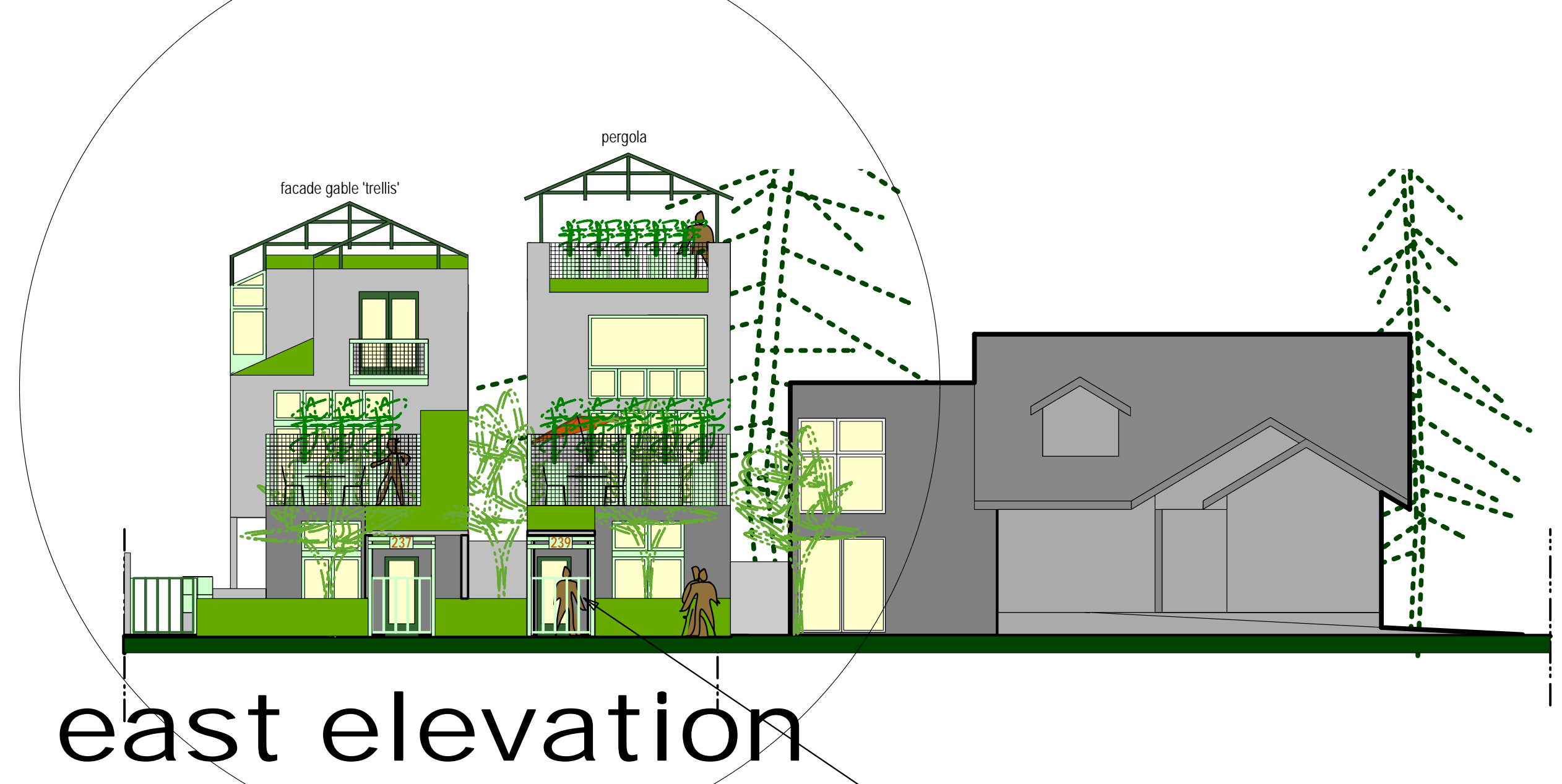
- enhance the environment and create an attractive roof
- reduce stormwater runoff
- act as stormwater treatment
- can be planted with drought-resistant plants
- reduce summertime roof temperatures
- reduce the heat island effect (heating by the sun of urban structures thus heating the surrounding area)
- reduce cooling demands and moderate the temperature in the spaces below
- create a habitat for birds, insects, microorganisms, etc
- protect the roof membrane from UV-degradation
- reduce exterior sound
- slowly release moisture to the surrounding air

according to BUILD IT GREEN'S GREEN POINT RATED SINGLE FAMILY rating system, GreenBuilt, a Sacramento green building general contractor and consulting company, has estimated this project to have the potential of earning a **GREEN POINT RATING of 321 points out of 376**, higher than the current single family new home project high score of 304, and far higher than the average score of 105 and the median score of 89

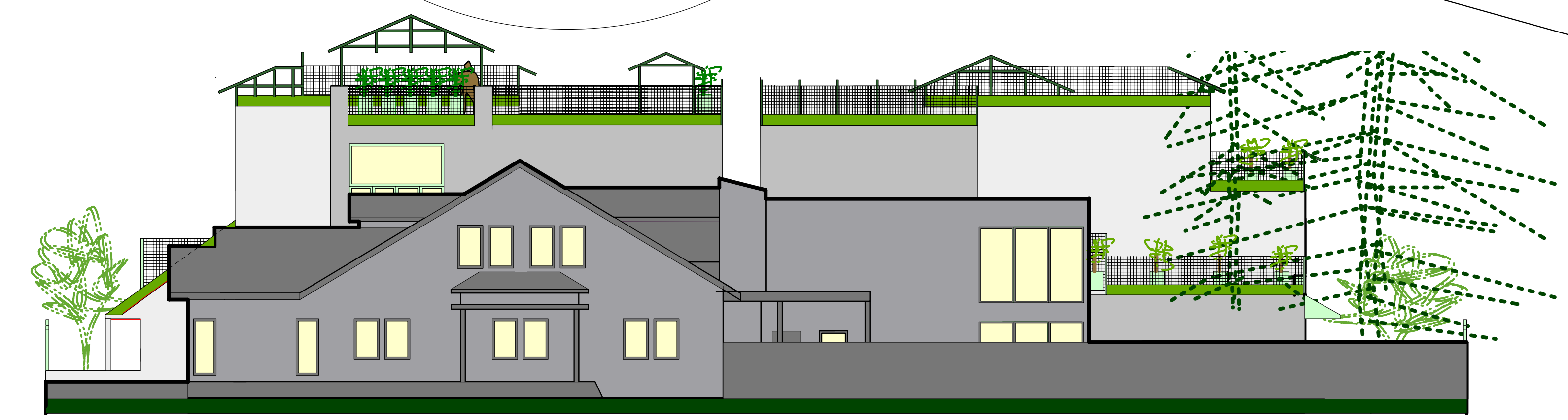
urban oasis sections



west elevation



east elevation



north elevation



south elevation

- entries defined at the street by a framed archway with a gate, and at the front door by a porch roof cover
- trees planted at front yards to enhance streetscape and to provide shade at east and west facades
- wire mesh screens create sense of enclosure for roof decks and green roofs while allowing open views from within
- roof top frameworks for future solar panels and support structures for climbing plants
- vegetation on roofs

four highly energy efficient and sustainable urban dwellings
with green roofs and roof decks for indoor-outdoor living

urban oasis