

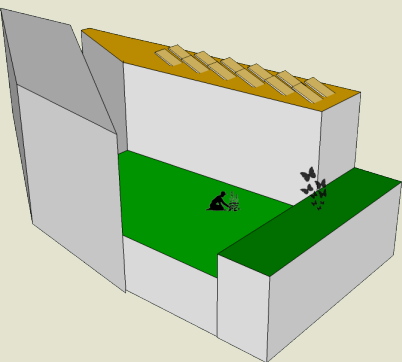


Photo: Kay Cheng

38 DOLORES/WHOLE FOODS MARKET

CASE STUDY FACTS

Year: 2013
 Type: Intensive
 Size: 7,288 sq. ft.
 Access: For tenants - 3rd floor roof only
 Greenroof System: Modular trays
 Designed by: April Phillips Design Works



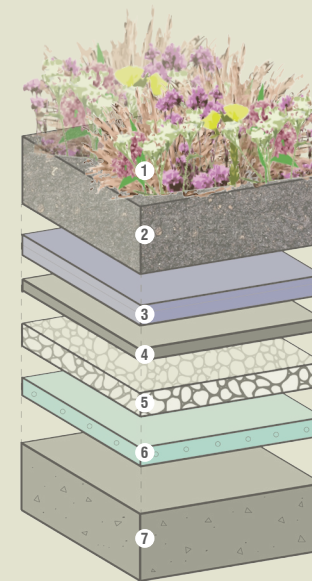
PROJECT BACKGROUND

Located along Market Street, 38 Dolores is representative of a new standard for green living. The building contains about 80 dwelling units, with Whole Foods Market occupying the ground-floor retail space. Utilizing space on three distinct levels, the roof design incorporates a number of different features, creating an inviting environment for residents.

The first roof level is framed by the rest of the building perimeter, creating an interior courtyard that is mostly protected from wind. Seating areas, grilling equipment, and a fire table offer residents a comfortable space for large gatherings. The remaining space on this level is occupied by planters, where residents can tend vegetables and flowers in a communal garden, complete with a potting and composting work area. Vertical planted walls increase the vegetated area while also reducing wind exposure on this level.

The other two roof levels are non-occupiable, but the planted roof and solar panels can be viewed from the adjacent residential towers. The vegetated roof has been planted with native California species and provides habitat for three endemic and endangered butterfly species - San Bruno Elfin, Mission Blue, and Bay Checkerspot. Additionally, the building contains a rainwater harvesting system and a 16,000-gal. cistern, which is then reused to irrigate the roof. Collectively, these roofs are a great example of residential demand shifting to a focus on sustainability and an example for new green development.

ROOF SECTION



ROOF SECTION LAYERS

- 1 NATIVE PLANT SPECIES
- 2 SOIL
- 3 SUBSURFACE DRIP SYSTEM
- 4 FILTER FABRIC
- 5 GRAVEL & LAVA ROCK
- 6 WATERPROOFING
- 7 BUILDING CONCRETE