

ONE BEDROOM UNIT PLAN TYPE A



ONE BEDROOM UNIT PLAN TYPE B



1. Operable panel/ window for natural ventilation2. Sliding window

- 3. Foldable perforated metal sun screens
- 4. Light shaft
- 5. Solar thermal collector

TYPICAL EXTERIOR WALL DAYLIGHTING/ VENTILATION CONTROL UNIT

Alveo embodies simple & elegant passive building strategies, enhanced by, and integrated with, select modern-technologies. The distinctive beauty of its form and features, spring from a systems-based response to human need for dwelling, local climatic resources, as well as global environmental conditions. Alveo provides a realistic solution that informs the state of the art, while also effectively addressing budget, buildability, regulations, human comfort, and value of ownership.

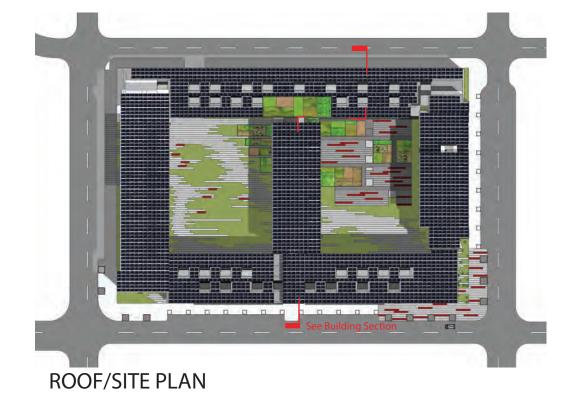
Net Zero Energy design & operations, and its companion endeavor 'holistic sustainability in the built environment', are exceptionally worthy goals. When taken together, they have the potential to inspire building delivery professionals, owners, operators, and occupants to perhaps their highest level of proficiency and harmony in human history. Integrative process, as used to deliver this high performance project, reveals 'sustainability in the built environment' as the common ground for all stakeholders to join and push toward a future that is thriving and sustainable. Alveo sets the stage for this to become our shared future.



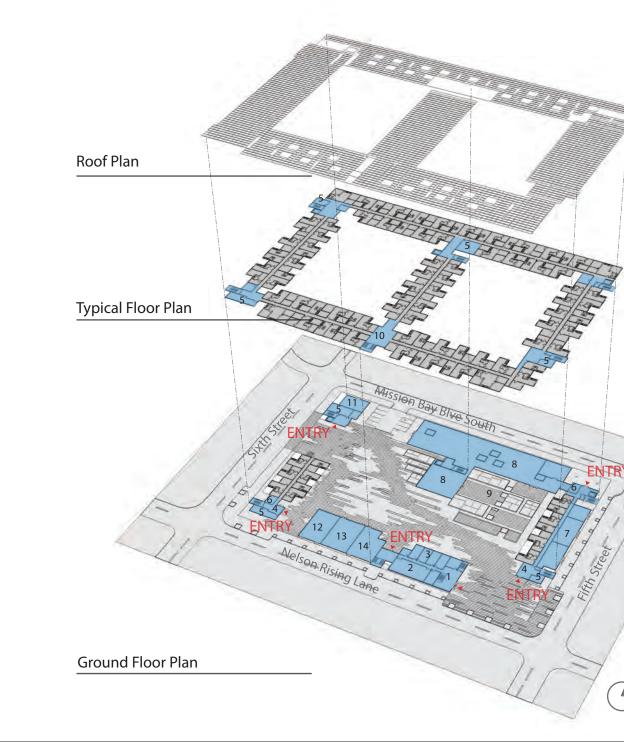
PERSPECTIVE







Passively pressurized and Corridor passive ventilation tempered air enters stair tower exhaust with deseveaux duct and rises toward mid-corridor to direct flow with minimal air exhaust ducts, on a floor by Transpired air collector wall speed reduction Tanspired air collector wall floor basis. on stair tower "lung" (typical at each stair tower) Loop to and from solar hot Light well to provide daylight water panels on south wall and natural ventilation Ambient air enters the transpired air collector and is supplied just above floor level as tempered ventila-Domestic hot water loop Typ. mech. room per Radiant Floor Ground floor forced air heating & cooling Loop to and from water source heat pumps connected to floats which keep the loop high in the tank to maximize the capture of stratified tank Water to air heat pump air handing unit 1000 cubic meter cistern for recycled and storm water storage. Also functions as a thermal battery for the building hot water system. **BUILDING SECTION** 



SITE PLAN

Centralized Lobby
Conference Room

4. Lobby

5. Study Room

7. Retail Spaces

9. Outdoor Play Yard

10. Socializing Stair

12. Maintenance Shop

11. UCSF Police

13. Laundry room

14. Bike Storage

3. Offices and Meeting Rooms

6. Mechanical/ Electrical Room

8. Child Care Center (Indoor)