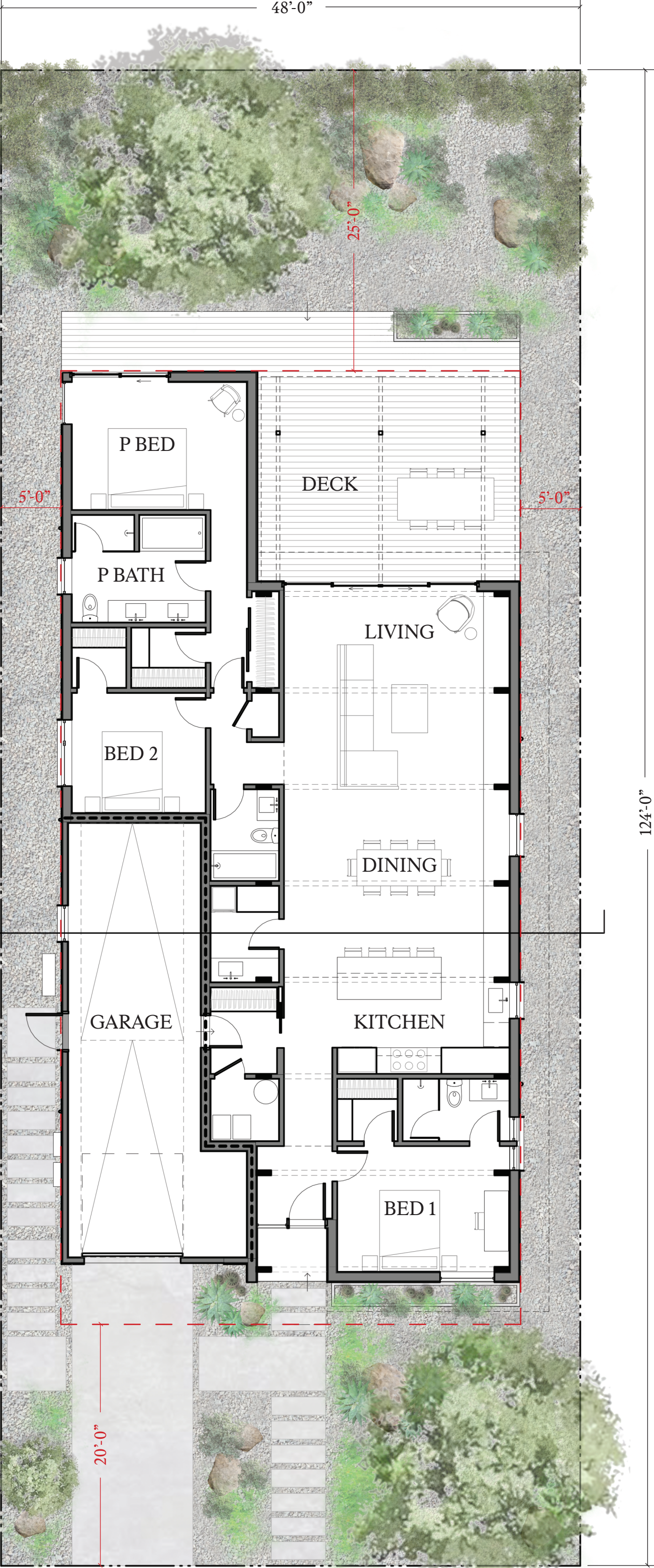


# fab\_01

CONTEMPORARY



FLOOR & SITE PLAN



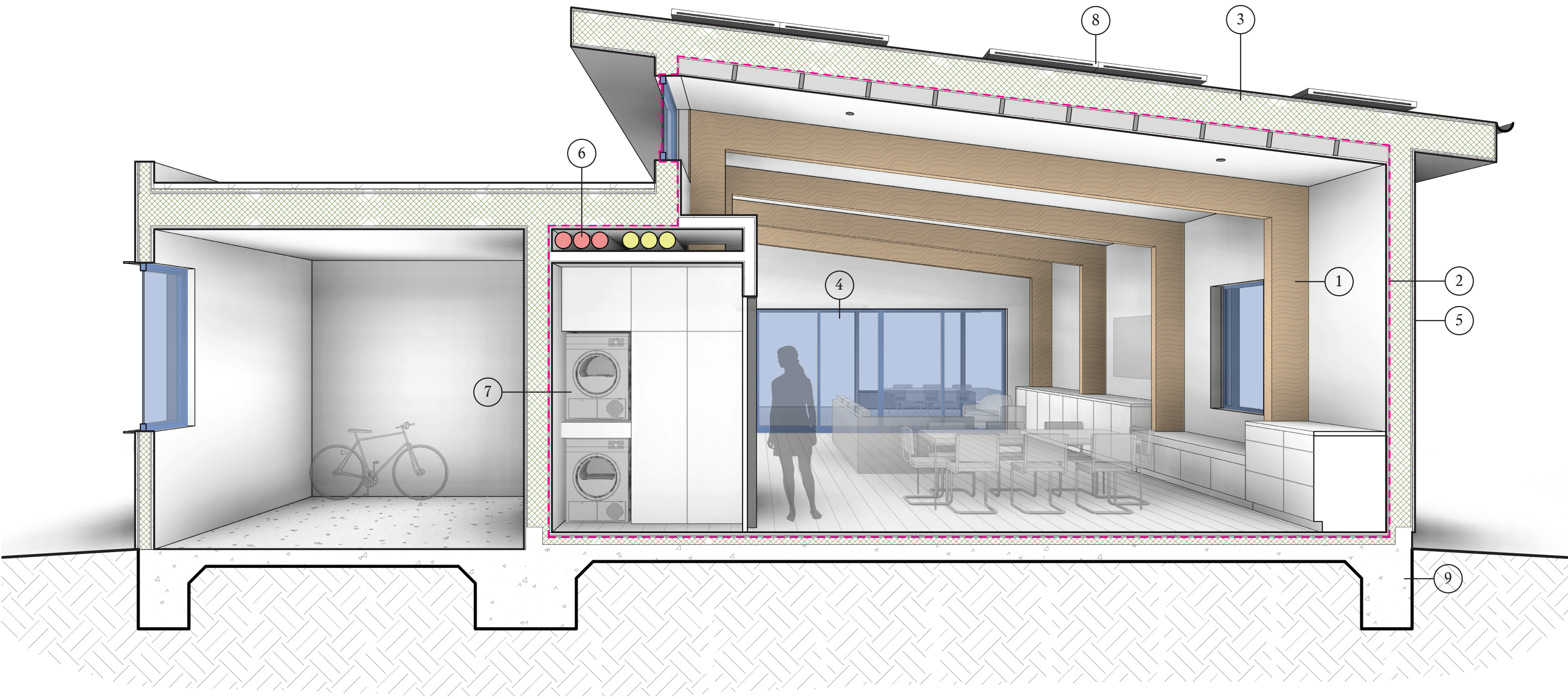
VIEW FROM STREET



VIEW FROM BACKYARD



INTERIOR GREAT ROOM VIEW



SECTION PERSPECTIVE

We believe that architecture doesn't need to seek relevance – it only needs to seize it. The proposed design is a direct response to the urgent need to house the thousands of displaced families affected by the 2025 Los Angeles wildfires. This prototype is a cost-effective, prefabricated home that allows for expedited construction schedules and prioritizes fire resiliency. The building forms are simple yet articulated to work with the scale of the lots and neighborhoods. The interior volumes are modulated to create public areas that are vaulted & spacious, and private spaces that are intimate.

- 1 This project has been designed to be pre-fabricated off-site. The prefabricated, structural, glue-laminated moment-frames and structurally insulated panel (SIP) walls and roof come together quickly, reducing overall construction timelines while also minimizing site waste.
- 2 The project's conditioned space exists within an air-sealed envelope with max 0.6 ACH50 (air changes per hour). Minimal penetrations through the conditioned envelope are required.
- 3 Walls, roofs, and floors are well insulated with high-performance SIP panels and rigid insulation:
  - Roof = R-57 (Insulspan GPS 12 1/4" + Class - A Coverboard)
  - Walls = R-30 (Insulspan EPS 8 1/4")
  - Floor = R-15 (2 1/2" Polyiso Rigid Insulation)
- 4 Windows & doors are Passive-House-certified, fiberglass units with triple-pane glazing: Alpen Zenith line with Low-E 366, thin-triple-pane glazing.
- 5 Fire Resiliency is integral to the project design from the non-combustible cement plaster and fire-rated wood siding, to the class-A roof. Triple-pane tempered windows, a ventless roof, minimal penetrations, and an airtight envelope prevent fire, embers, and smoke from infiltrating the house.
- 6 An ERV provides fresh air and air movement throughout the house. The heat-pump-powered mini-split contributes heating and cool, as needed. The entire HVAC system equipment is housed within the mechanical room, and the overhead dropped ceilings enable distribution throughout the house.
- 7 Efficient electrical appliances are specified throughout the house: heat-pump washer/dryer, heat-pump DHW heater, induction cooktop, electric oven, and energy-star-certified refrigerator/freezer.
- 8 Solar panels on the roof provide renewable electricity to the building and energy grid. Paired with a battery back-up system, the project achieves enhanced energy resilience.
- 9 The foundation system is to be designed by a qualified engineer with knowledge of the site-specific geotechnical requirements.



NORTH ELEVATION



WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION