

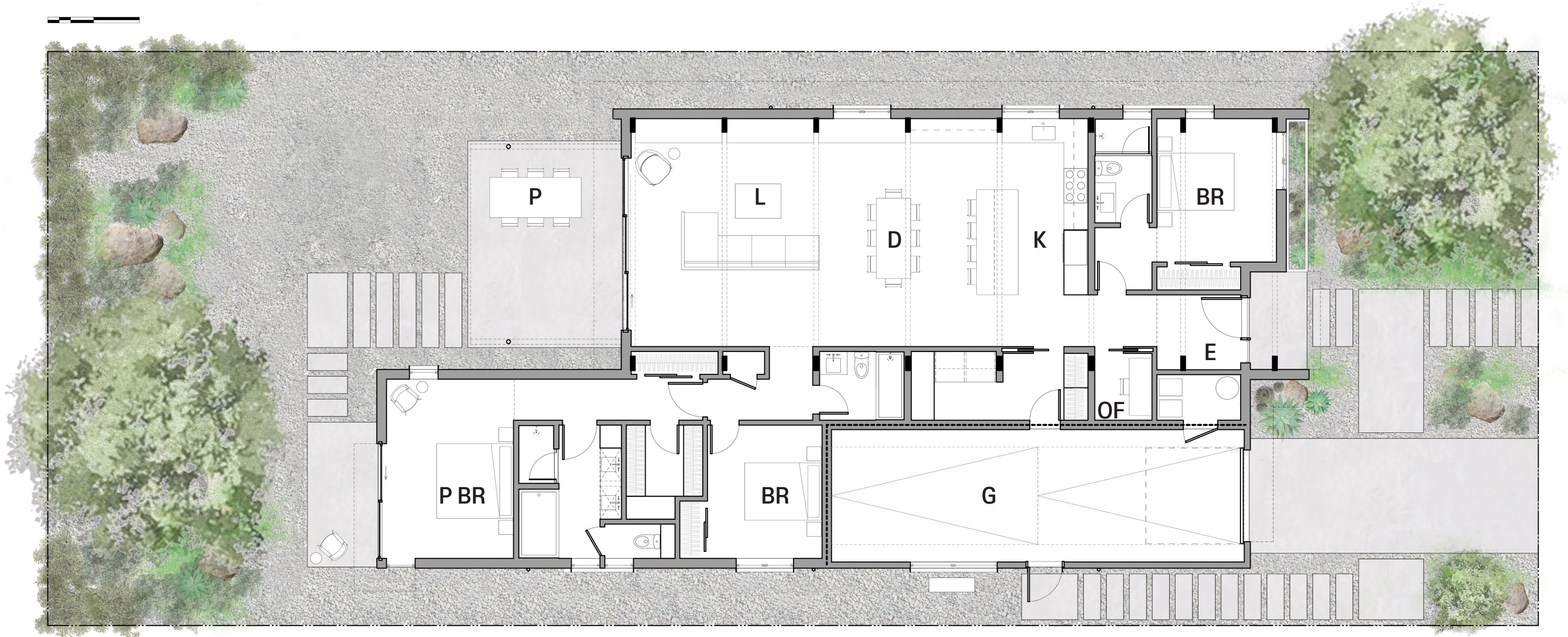
Feldman Architecture + Blend Projects



Design

Blend Projects and Feldman Architecture see a need for a comprehensive housing solution to rebuild smarter. Our proposed design sensitively responds to LA's distinct culture and geography: it is envisioned as a one-story design concept tailored to a typical Altadena lot size — 50'x130' — which can be flexed and adjusted based on specific site dimensions and client needs. fab_01 is a resilient, energy efficient, single-family home that will be built to Passive House standards. LA-based Terremoto Landscape — experts in native garden-making and fire-resilient, regenerative design — look forward to offering site-specific landscape design concepts.

fab_01 is a 2,615 sqft (2,155 sqft house with a 460 sqft garage) 3 bedroom, 3 bathroom home composed of structurally insulated panels (SIPs) and mass timber moment frames, all of which are manufactured off-site and delivered ready-to-construct enabling reduced construction timelines. The exterior palette of cement plaster and fire-rated, composite wood siding, paired with a standing seam roof, are non-combustible and field-installed once the pre-fabricated shell is in place. The modular interior casework provides a variety of simple, functional, but elevated design solutions.





Passive House Certified

1. Pre-fabricated mass timber structural frames
2. Air-sealed building envelope - 0.6 ACH Max
3. Structurally insulated panels with 8-12" of EPS insulation (R-30 - R-60)
4. High performance, triple-pane windows
5. Non-combustible materiality for fire resiliency
6. Energy Recovery Ventilator (ERV) for fresh air, and a streamlined HVAC system meets Passive House heating and cooling standards
7. Efficient, electric-powered appliances
8. Solar panels for on-site energy production
9. Concrete foundations and slab-on-grade

