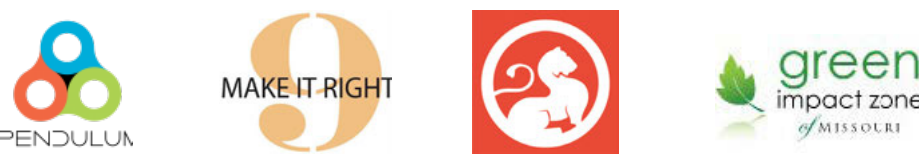


DISTEND HOUSE

Distend house features the merge between the inside space of the home and outside surroundings of the neighborhood. Manheim’s Tracy Avenue will be the central location for revitalization in the area. This home was designed to be a beacon for the revitalization of the Manheim neighborhood offering sustainability and comfort for its owners.



EXTERIOR DESIGN

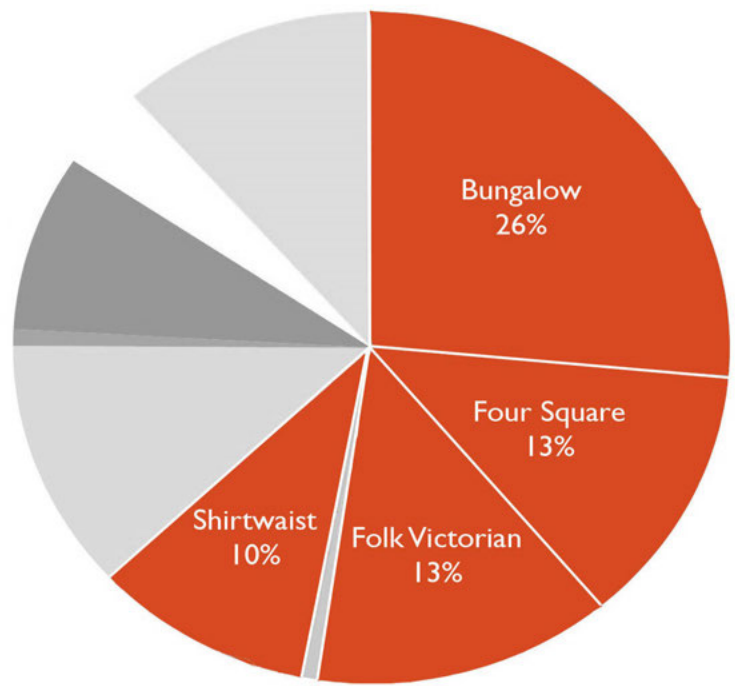
The house was designed with the ability to bring a smooth transition to the public and private space of the home. The main entryway is accompanied by the carport and elevated front porch which is made from Pine Beetle Wood that flows from inside to outside. The 2x8 studs give the porch style, height and accessibility. The landscaping includes lavender plants and switch grass as a private barrier that provides a nice pathway into the back of the property. On the east end of the site, existing oak trees provide lush greenery and shade, making the backyard more comfortable.

The house will be finished with an eco friendly material that would allow for less maintenance over time. This exterior material acts as a rain screen to capture rainwater for future use. Also, it will be constructed from Structural Insulated Panels

(SIP), which will provide higher effective thermal resistance. In addition, the SIP's will provide lower air infiltration allowing the HVAC system to run more efficiently.

The roof has been designed to extrude out to make strong association between the homes' public and private space. The modern gable was chosen to compliment the existing topology in the area. In response to the topology, solar panels are featured to provide an alternate energy source. The windows of the Distend House exhibit the craftsman style details that forward the way we typically associate just a curtain wall. The height of the roof enables Skylights to provide pockets of light on the north side of the home. The pitch also provides a stylistic approach to the overall design.

Manheim Single Family Styles



Bungalow

One and half stories
Most of the living spaces on ground level
Low-pitched roof and horizontal shape
Living room at center
Built in cabinets, shelves, and seats

Folk Victorian

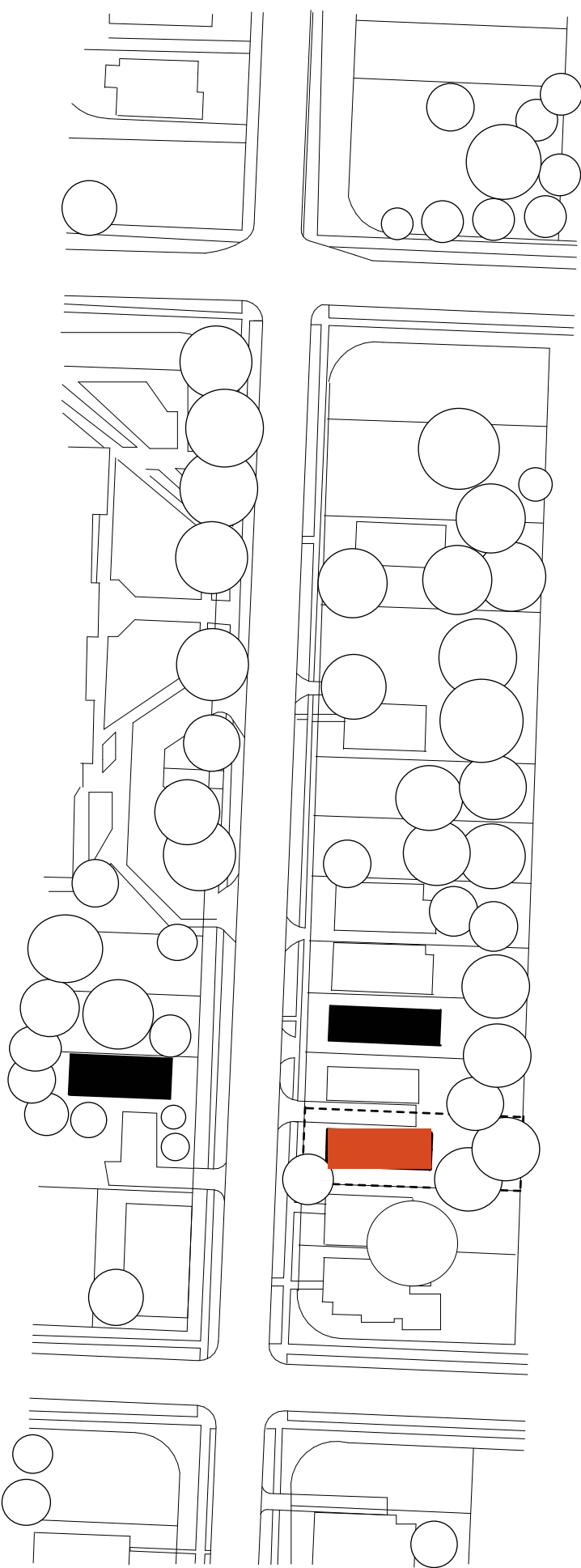
Square, symmetrical shape
Front Gable and side wings
Brackets under the eave
Porches with spindlework or flat, jigsaw cut trim

Shirtwaist

The first level will be built out of brick or locally quarried limestone.
Kitchen is in the rear of the home with a back door
All bedrooms are located on upper levels; the first floor is living space
They all have a front porch

Four Square

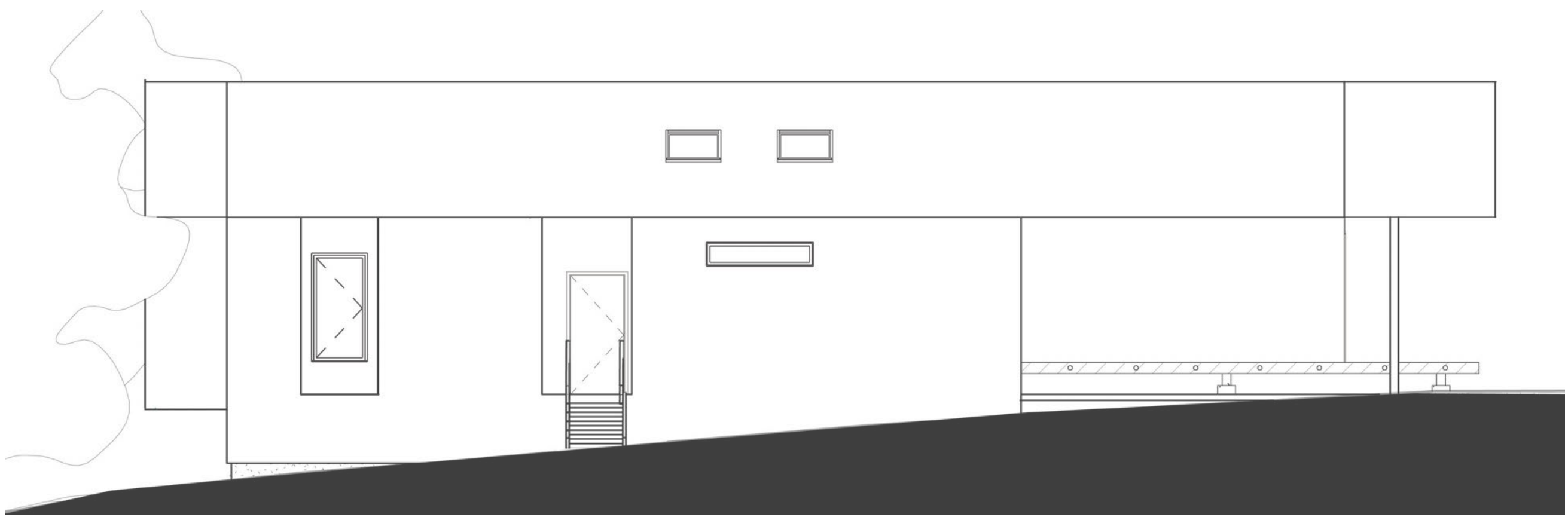
Two and half stories high
Four room plan
Large room Dormer
Low-pitched roof with deep overhang



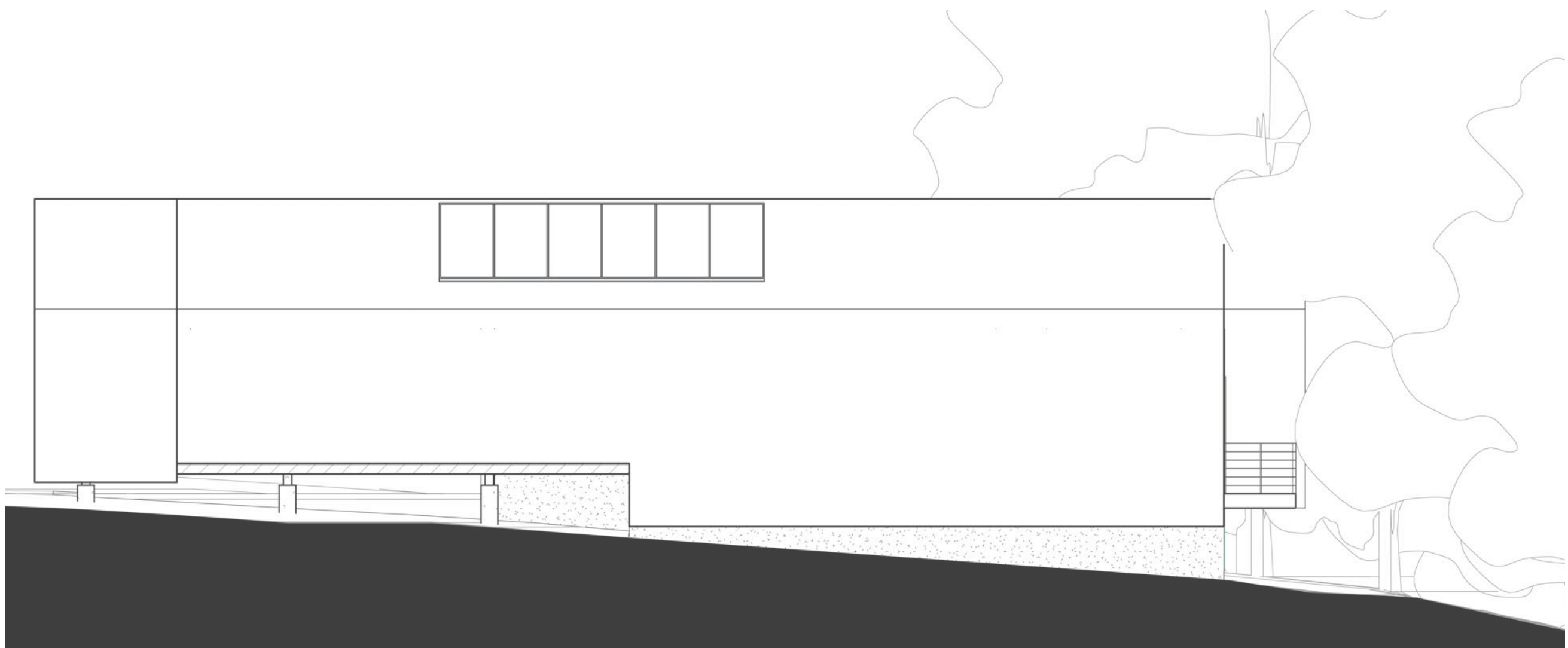
SITE PLAN

SCALE 1:20

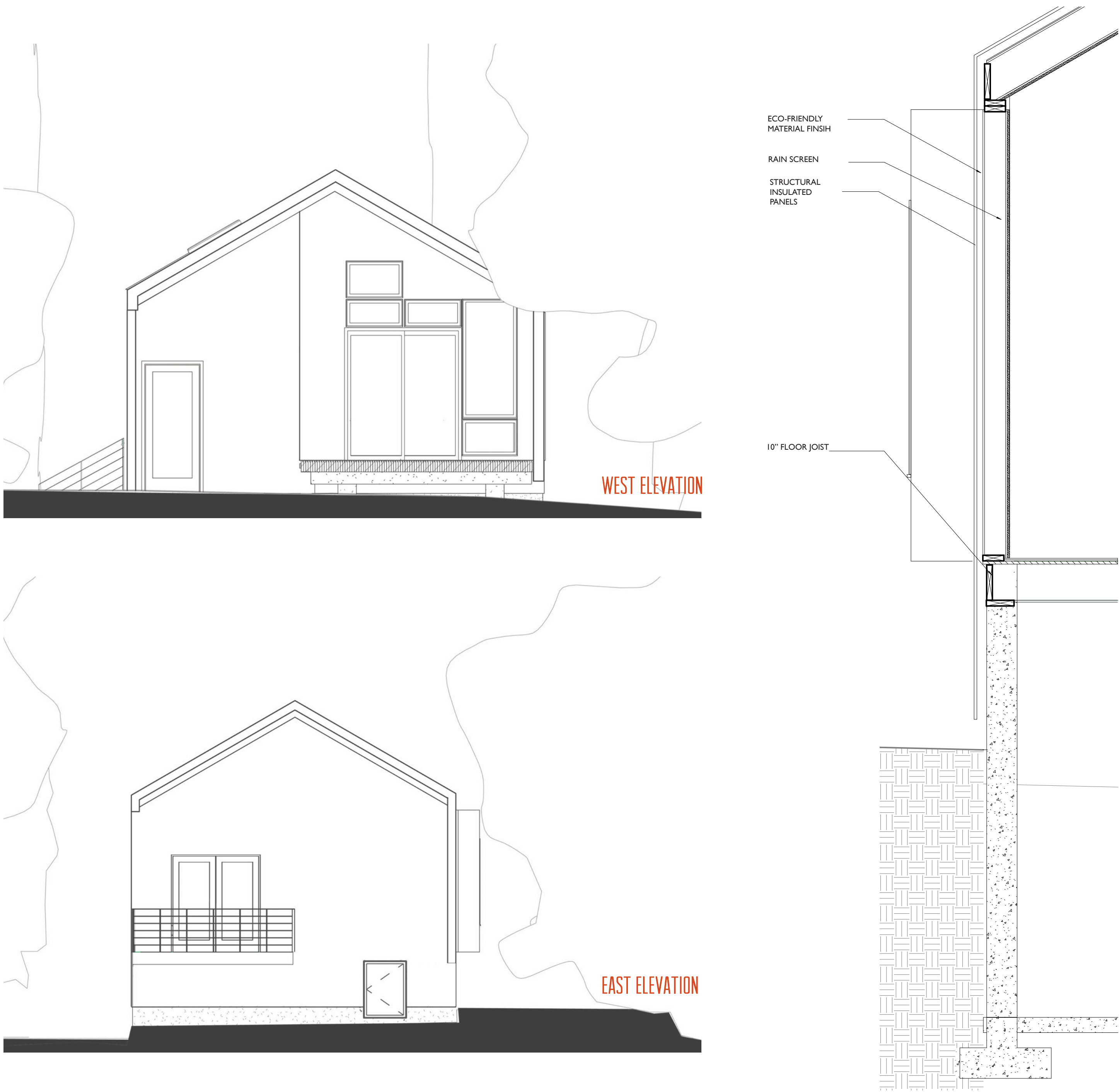
- ABANDONED
- SITE



NORTH ELEVATION



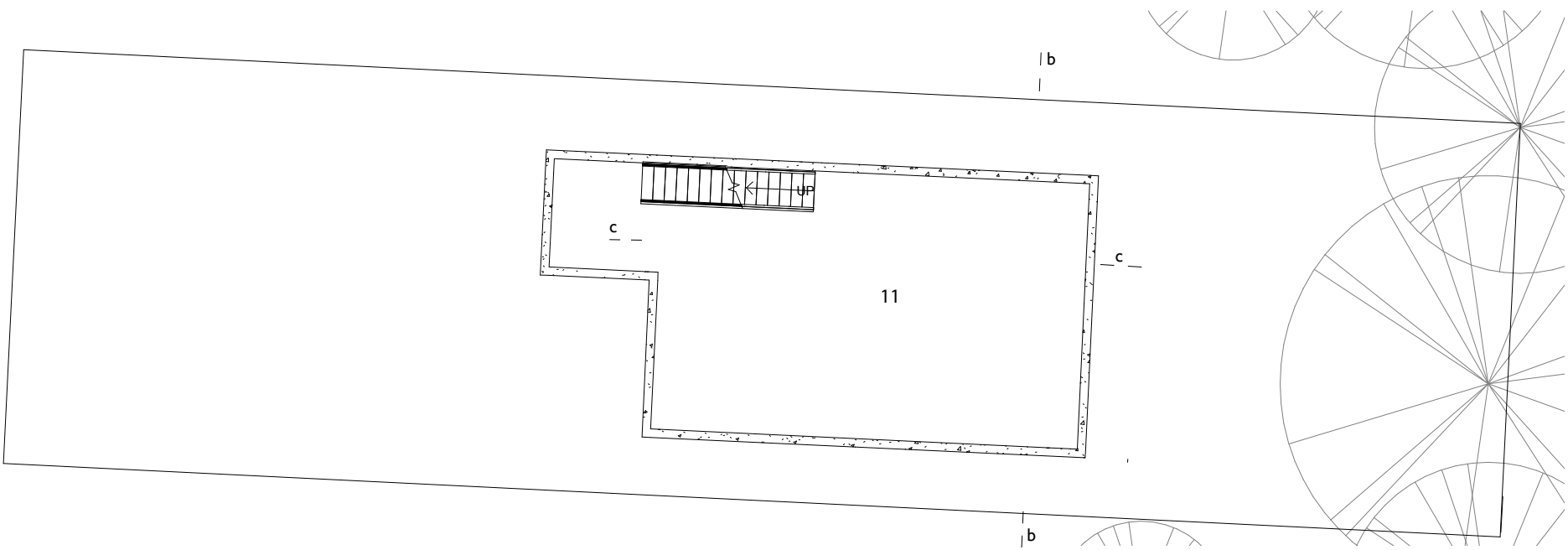
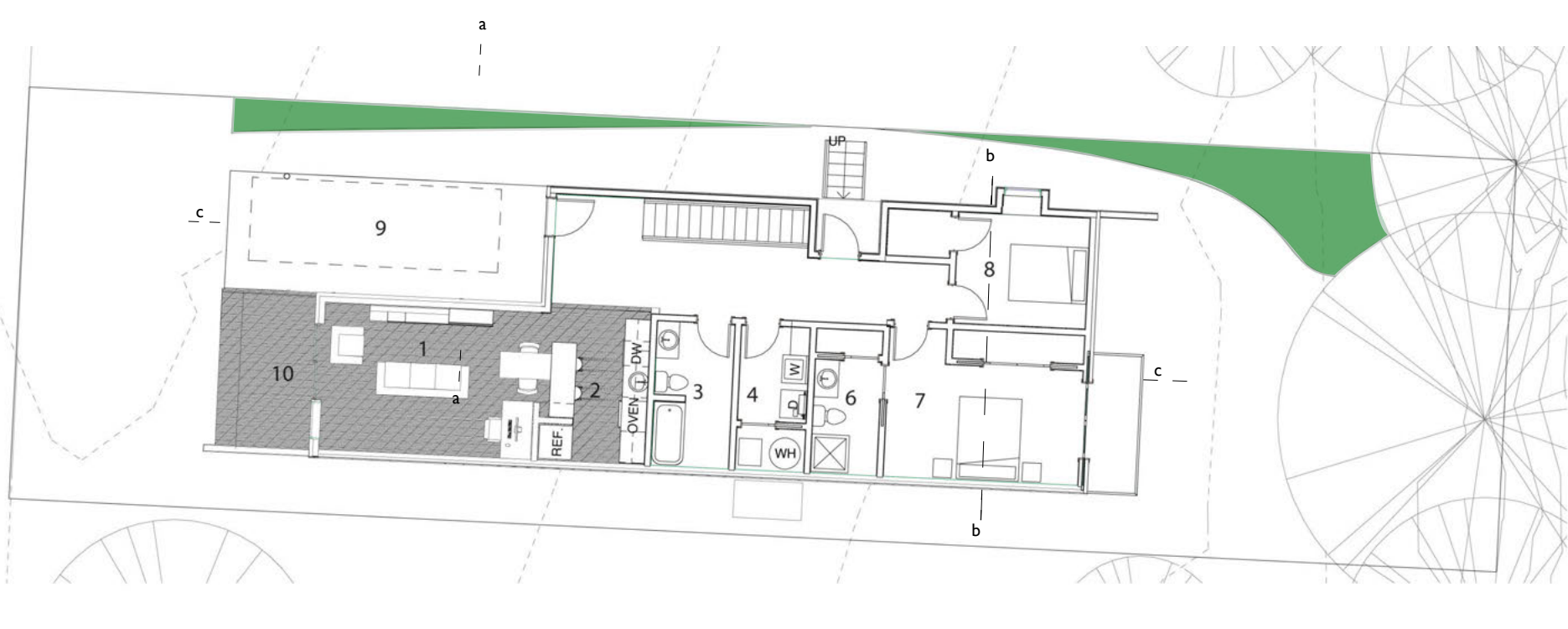
SOUTH ELEVATION



DISTEND HOUSE INTERIOR

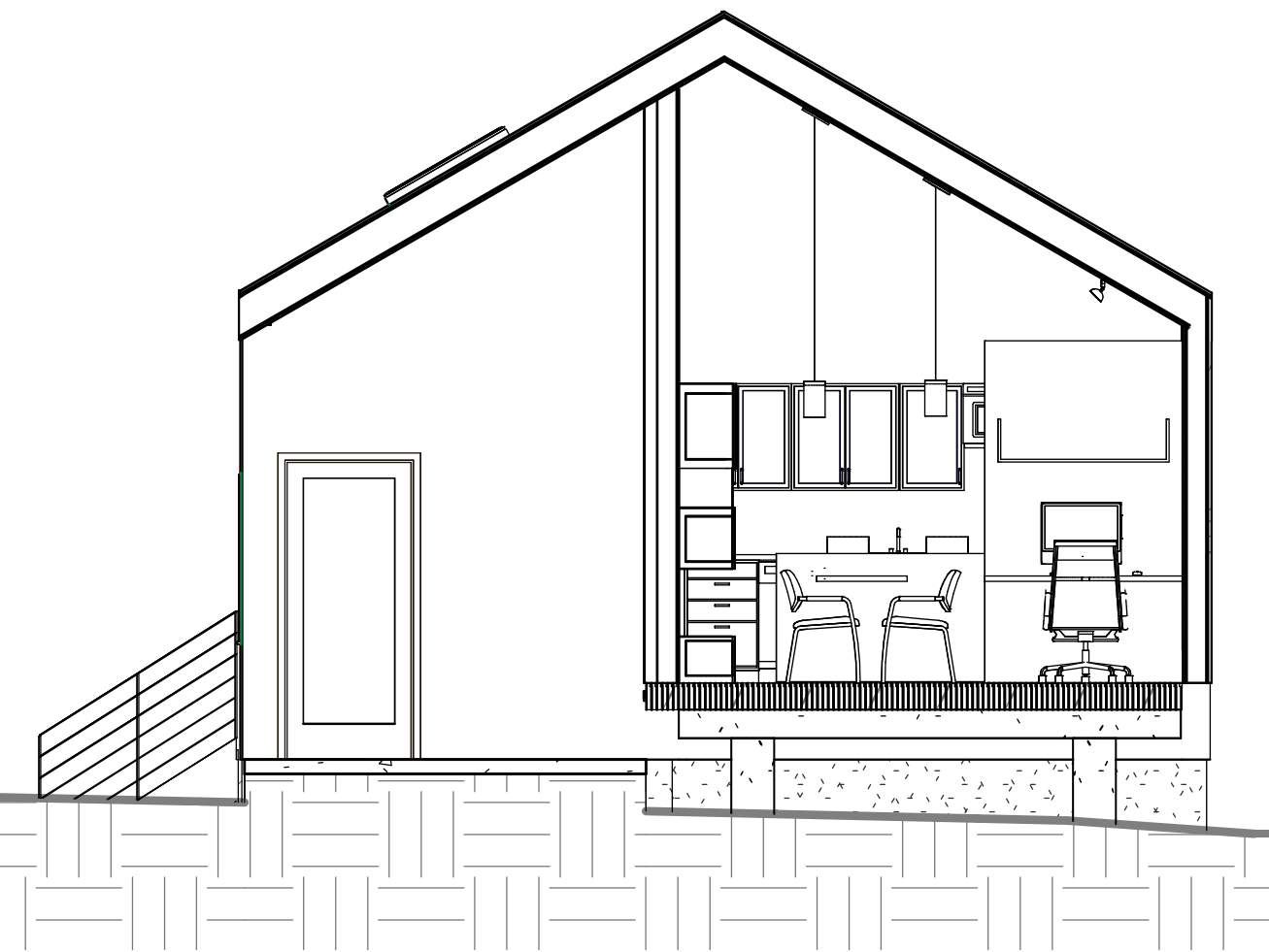
CIRCULATION

The main floor offers progression from the public living areas to the private bedroom spaces. Off of the Master Suite, the homeowner has additional access to a private back patio. All service areas of the home are located centrally in the home, so as you enter into the laundry room it also fuses into the mechanical closet. The mechanical closet is home to the tank-less hot water heater and HVAC system. To keep the insulation practical and efficient, all interior walls will be 2x6 structural panels helping to capture the heating and cooling of the home.

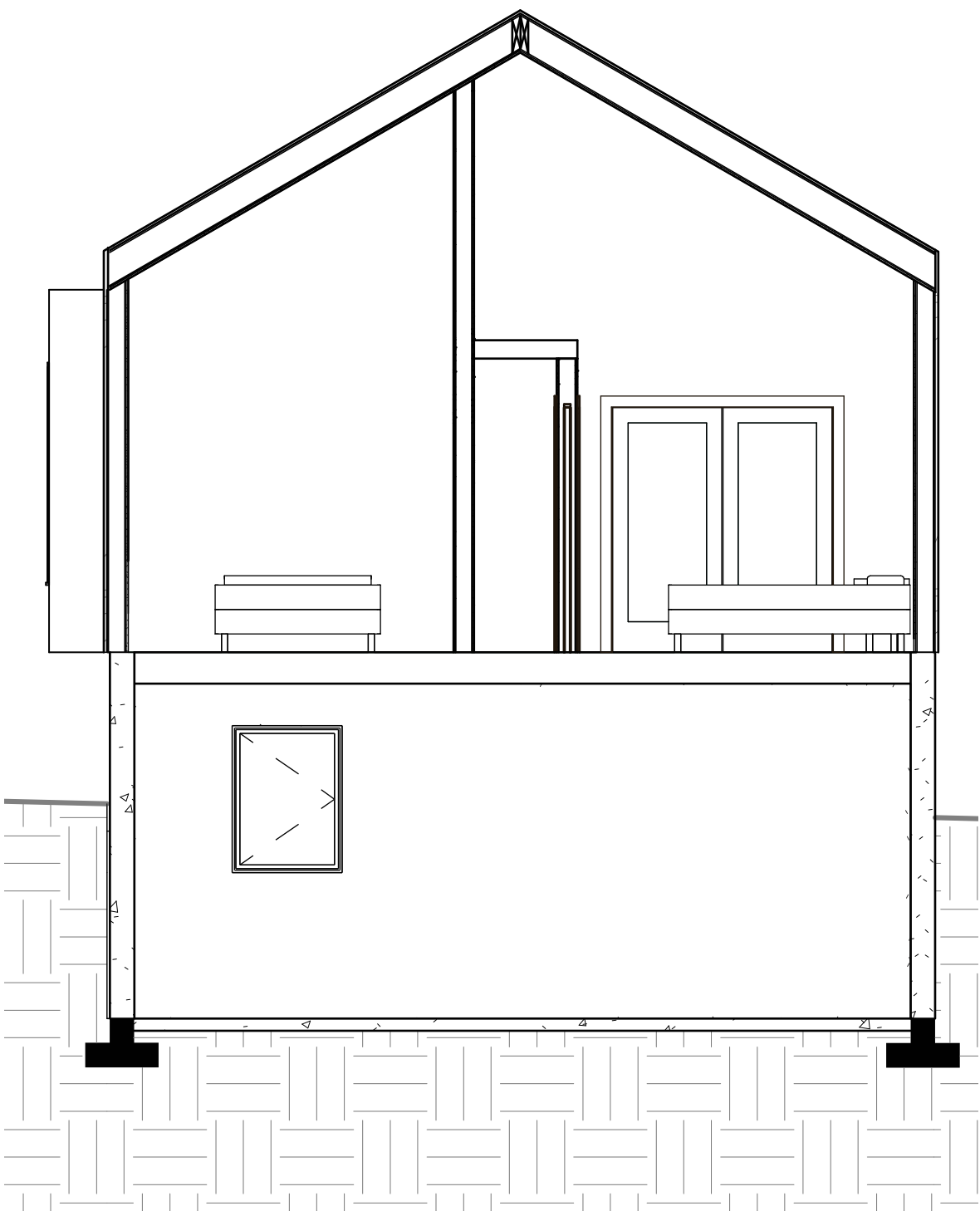


1. LIVING
2. KITCHEN
3. BATH
4. UTILITY
5. MECHANICAL
6. MASTER BATH
7. MASTER BEDROOM
8. BEDROOM
9. CARPORT
10. PORCH
11. BASEMENT

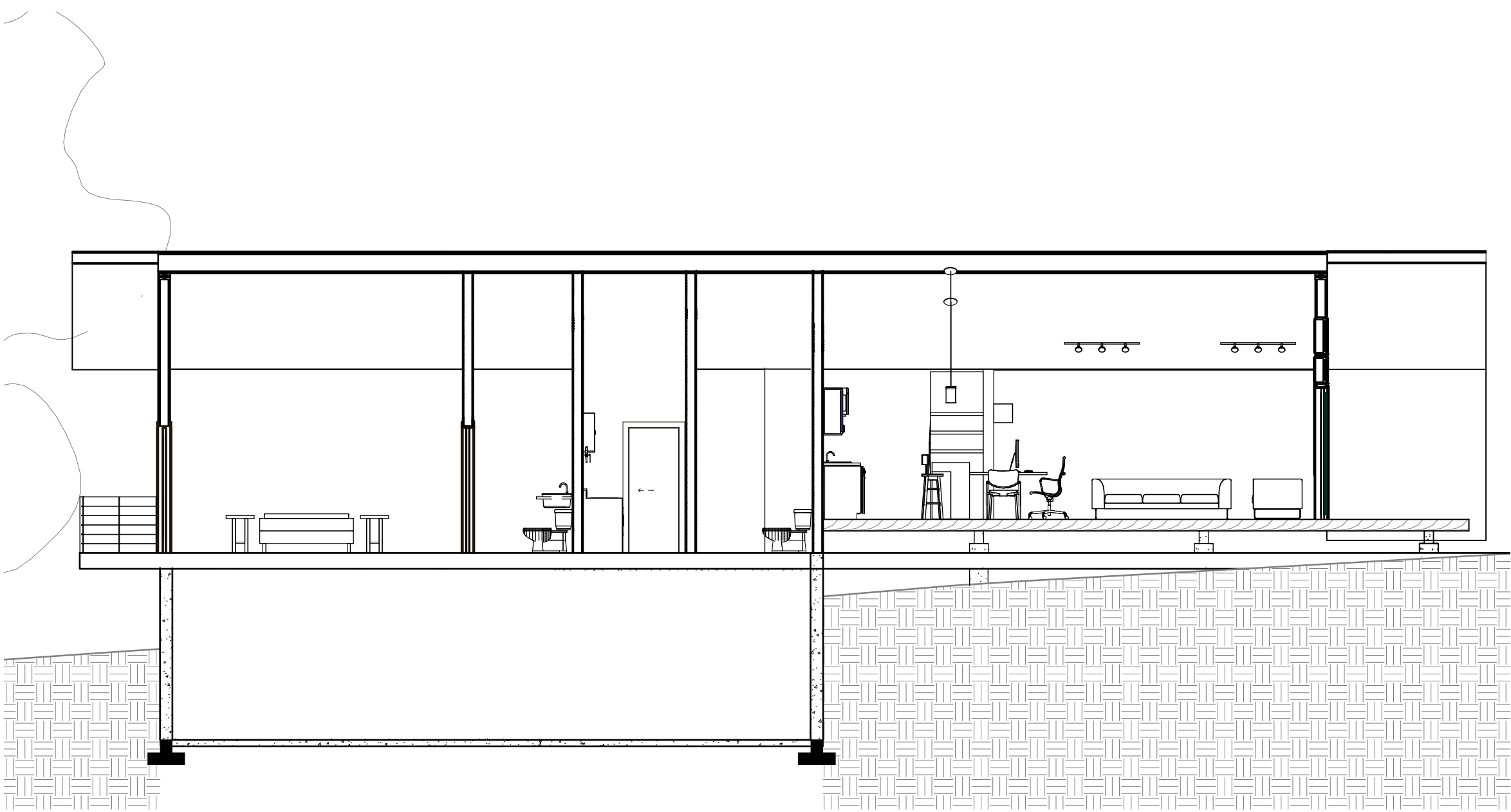
INTERIOR ELEVATIONS



SECTION AA

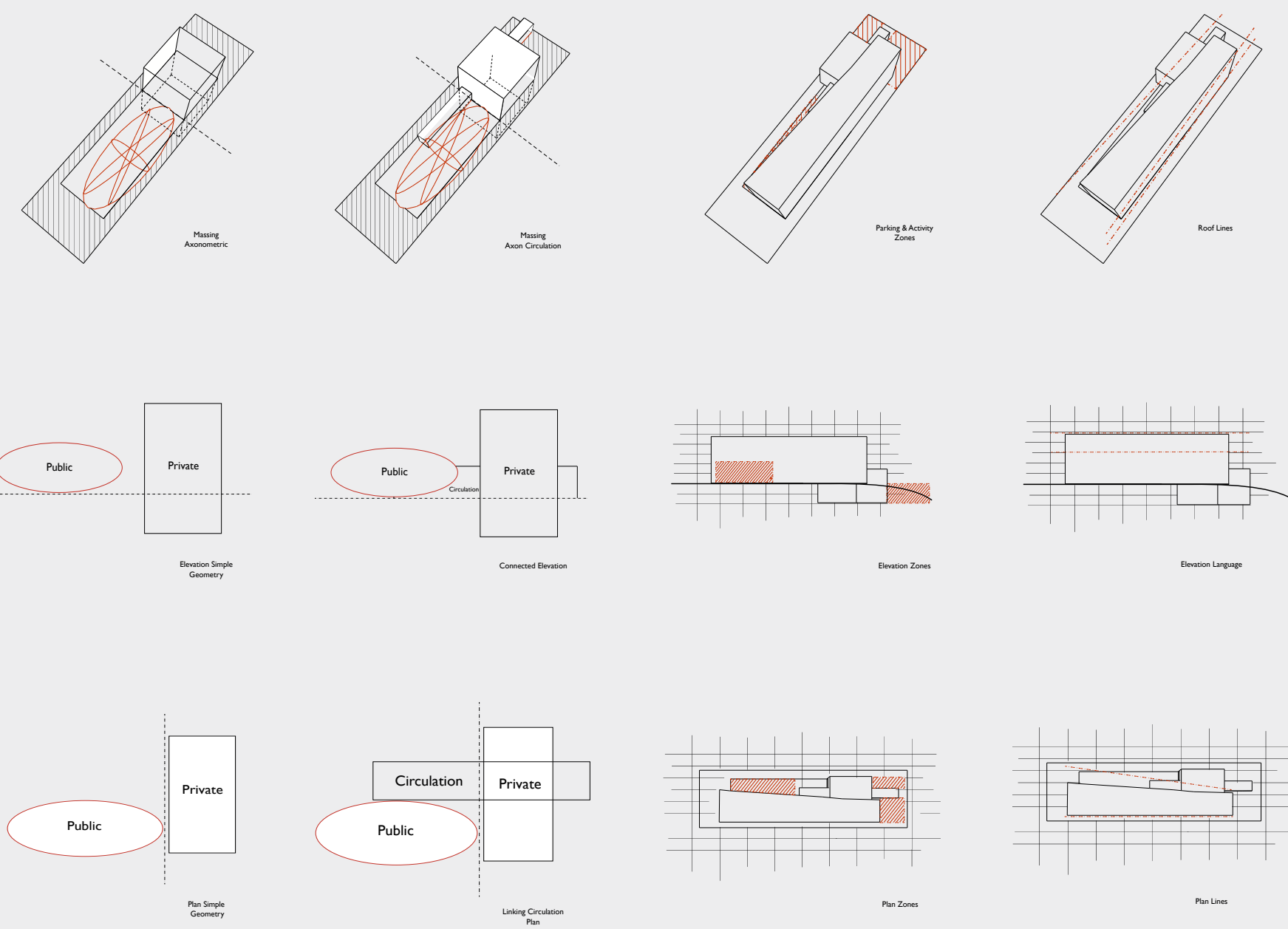


SECTION BB



SECTION CC

CONCEPT DIAGRAM



SUN STUDY



SUSTAINABILITY DIAGRAM

