



fo shou sugi

# fo shou sugi

## Project Information

- Site | 0.44 Acres, Leeward Landing, Lot-1
- Panoramic views of surrounding San Juan Islands
- Programming Requirements
  - 4,050 sf (livable), 650 sf (garage), 1,150 sf (studio/shop) = 5,850 sf overall
  - \$300 - \$350 sf budget appx
  - Artist Studio/Shop (separate from home)
  - Three Bed, Three Bath, Powder, BOH (Laundry, Mud, Pantry), Living+Kitchen, Master Deck

## Sustainable Design Intent and Innovation

- Use sustainable grown native Western Red Cedar siding (charred) for all exterior cladding
- Maximize views of the Puget Sound and San Juan Islands
- Reduce impact on native landscape, maintain conservatory area, and Tree Preservation
- Natural cross ventilation (passive heating and cooling) through operable windows and doors
- Natural daylight through large skylight elements
- Geothermal heating and cooling
- Radiant heat flooring
- Roof runoff creates rain garden below
- Underground rainwater collection system
- Shade Screen Elements
- Existing trees provide natural shade

## Material Documentation

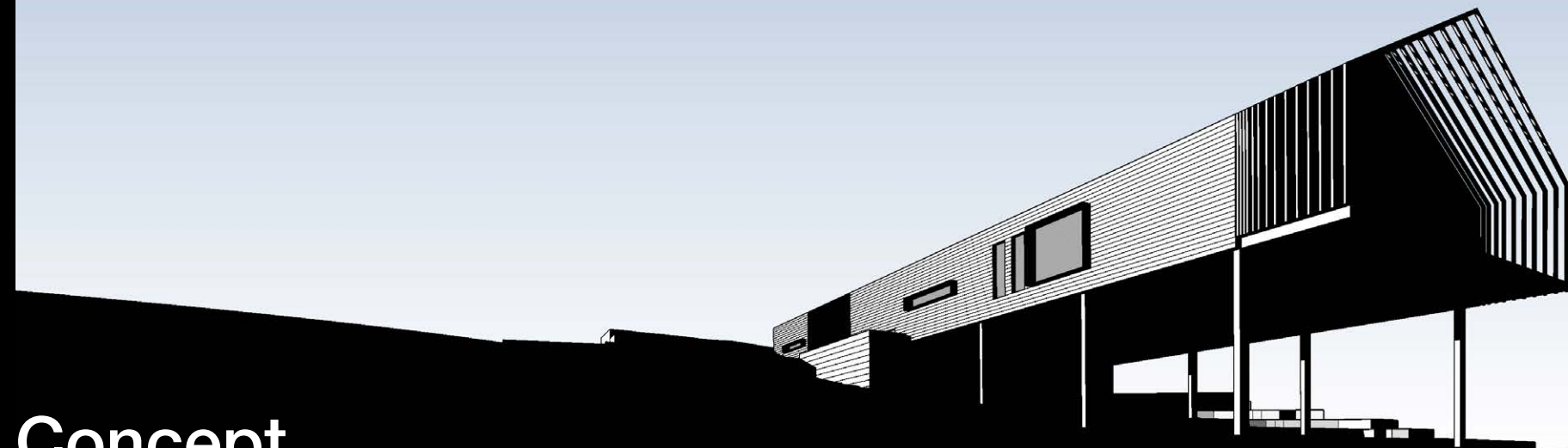
Key Material - Shou Sugi Ban (burnt cedar board) or traditionally known as Yakisugi (Japanese Cedar) is an ancient technique invented in Japan where exterior wood siding is preserved charring with fire, creating a highly durable and functional cladding material. In recent years, the material has become very popular in the architecture and design world, but that doesn't detract from the fact that the material is perfect in certain environments due to the following:

- Charred finish requires little or no maintenance from 15 - 50 years depending on climate
- More bug/pest, decay, and rot resistant than other exterior wood siding materials
- Natural and non-toxic way to preserve wood
- Sustainable and Northwest grown Western Red Cedar (Thuja Plicata)
- Higher resistance to fire as the charred top layer is already burnt
- Aesthetically pleasing, imperfections are part of the charm
- Affordable cost point



“There is a crack, a crack in everything, that is how the light gets in”  
-Leonard Cohen





## Concept

The narrow and steep site provided some unique design challenges based on the client's program requirements, but we were able to maximize views looking out towards the Puget Sound and surrounding San Juan Islands, while making the least amount of impact to the existing natural tree conservatory by cantilevering (supported by steel columns and loosely inspired by the iconic leaning tree at nearby Washington Park) the home over the site to create a dramatic floating effect.

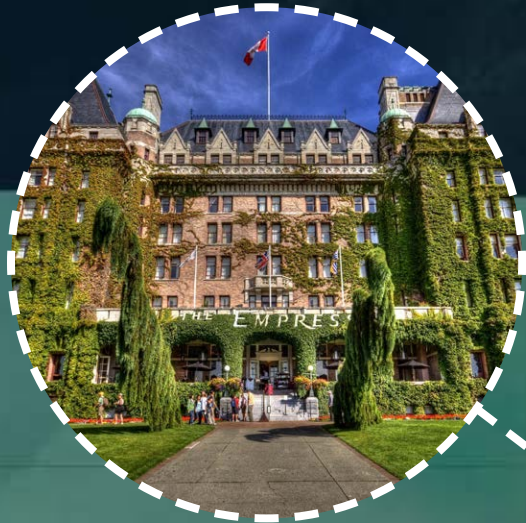
Architecturally, our client was interested in a traditional lakeside barn house (with wabi-sabi inspired elements), but with a contemporary aesthetic that would require little to no maintenance to the exterior palette and slowly patina with time. This is achieved primarily through the use of shou sugi ban (traditionally called Yakisugi in Japan) or simply charred wood. The burnt blackened siding accomplishes a rare thing as it pops against the backdrop of the lush native Pine Tree Forest around the site, but also blends in at night to create a harmonious balance of light and dark.

The rest of the exterior palette is balanced with Western Red Cedar, board form concrete, horizontal and vertical linear slits of glass, and blackened steel. Large skylights create dynamic views while also providing natural daylighting and layered shadow patterns from the surrounding forest trees. The home utilizes green technologies including geothermal heating/cooling, radiant heat flooring, and more.





Vancouver, British Columbia  
93 mi to Anacortes



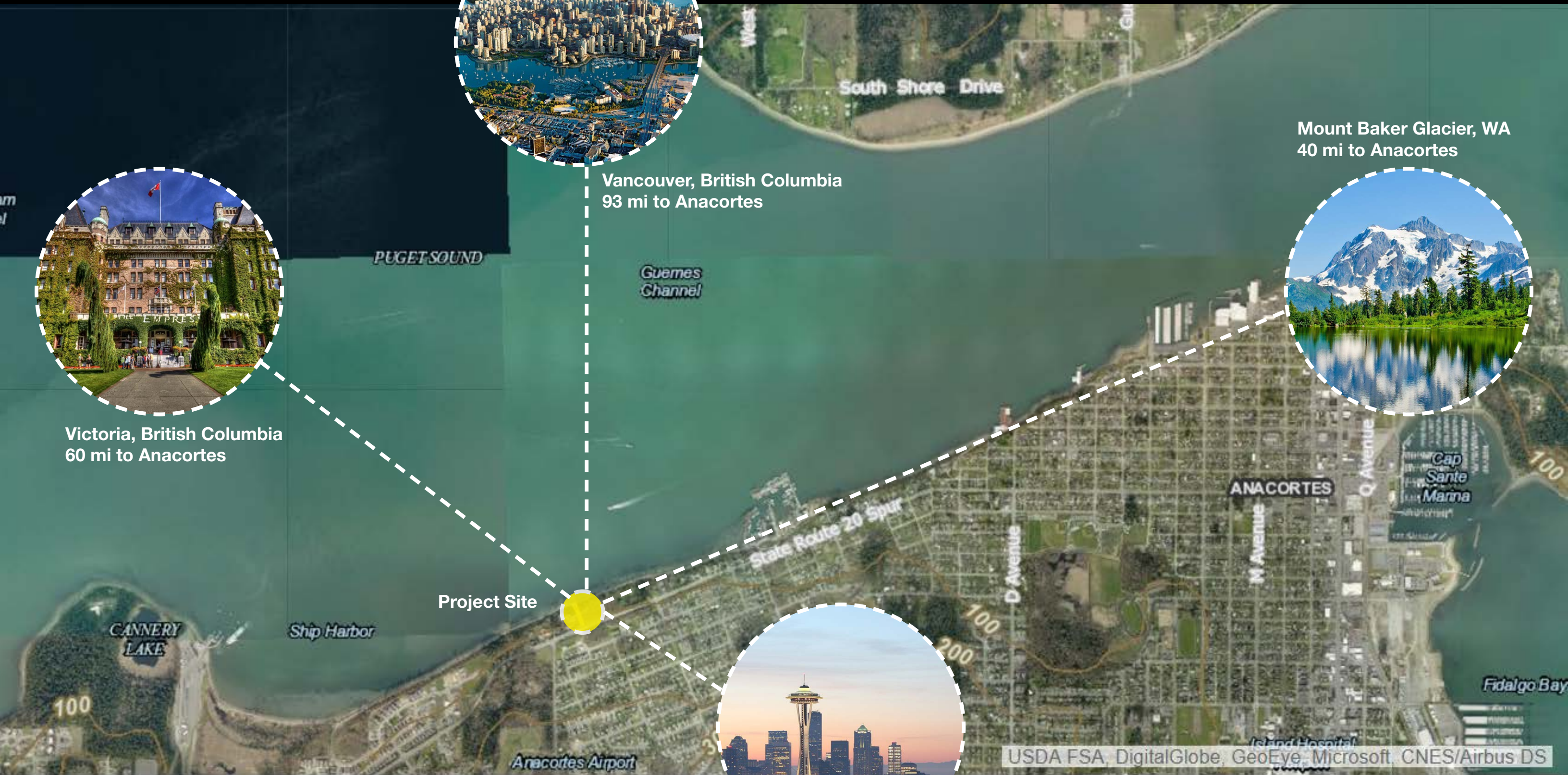
Victoria, British Columbia  
60 mi to Anacortes



Mount Baker Glacier, WA  
40 mi to Anacortes



Seattle, WA  
80 mi to Anacortes



USDA FSA, DigitalGlobe, GeoEye, Microsoft, CNES/Airbus DS





Cap Sante Marina

Puget Sound | San Juan Islands  
Orcas and more

Guemes Channel

PUGET SOUND

Project Site  
Leeward Landing | Lot-1

Ship Harbor

Washington Park, Skagit County

Leeward Lane

ANACORTES

State Route 20 Spur

West 2nd Street

DigitalGlobe, Microsoft

Deception Pass







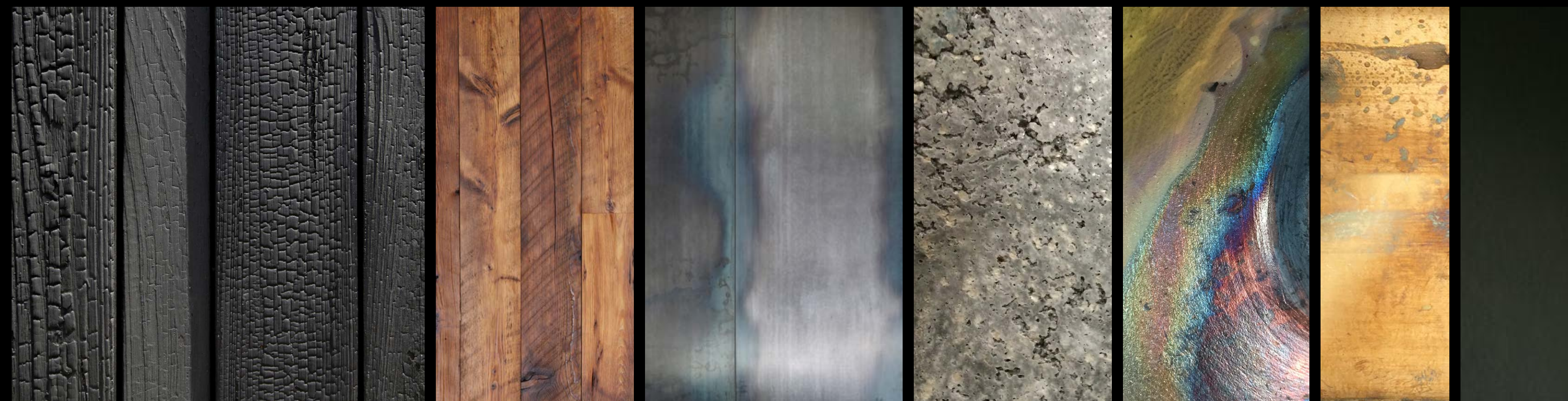


Nothing Lasts. Nothing is finished. Nothing is perfect.  
The beauty in imperfection...





“The simplest things are often the truest”  
-Richard Bach

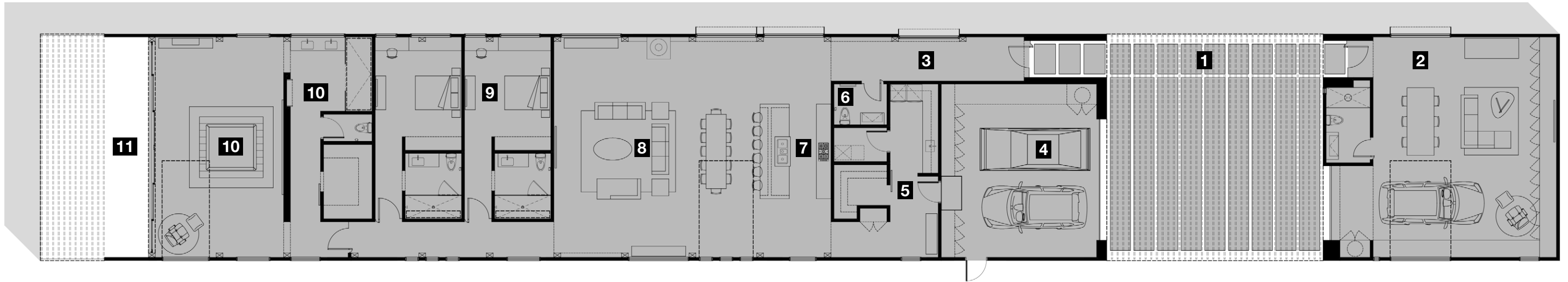




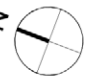
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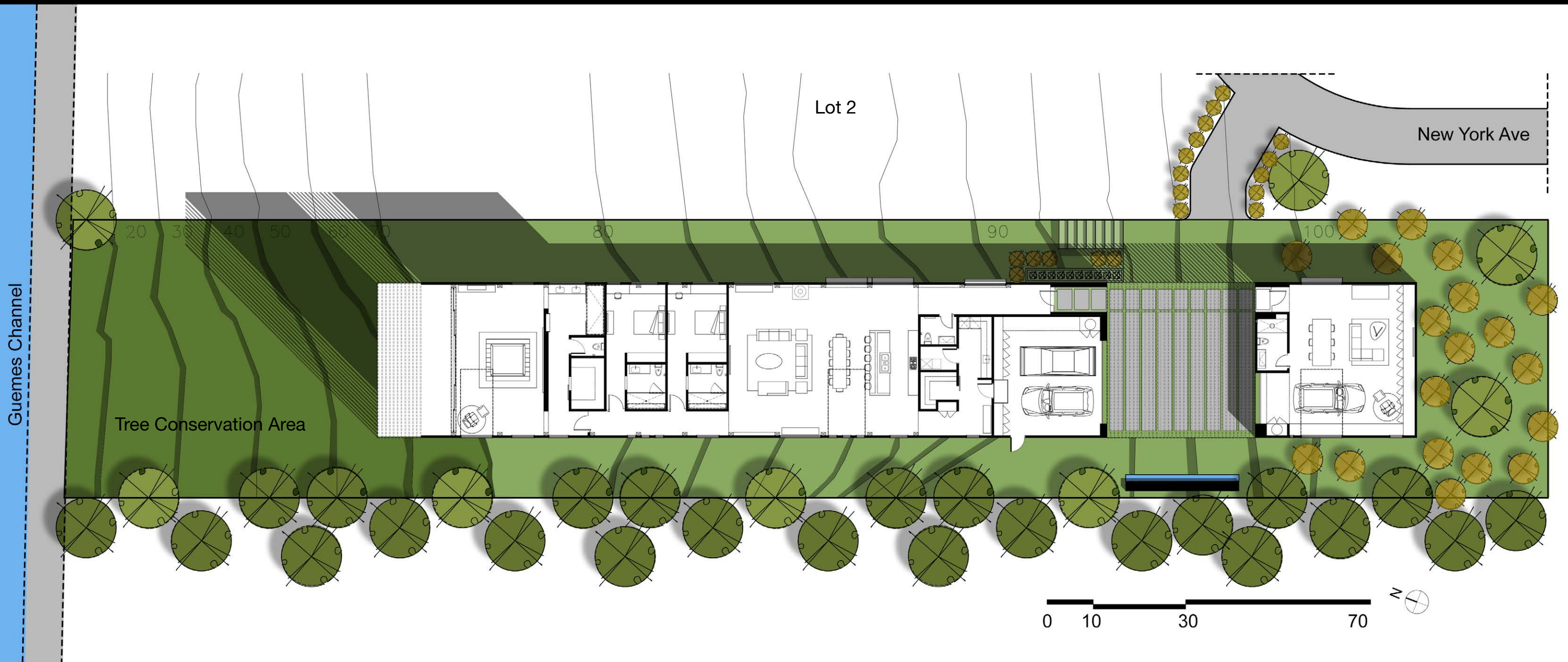




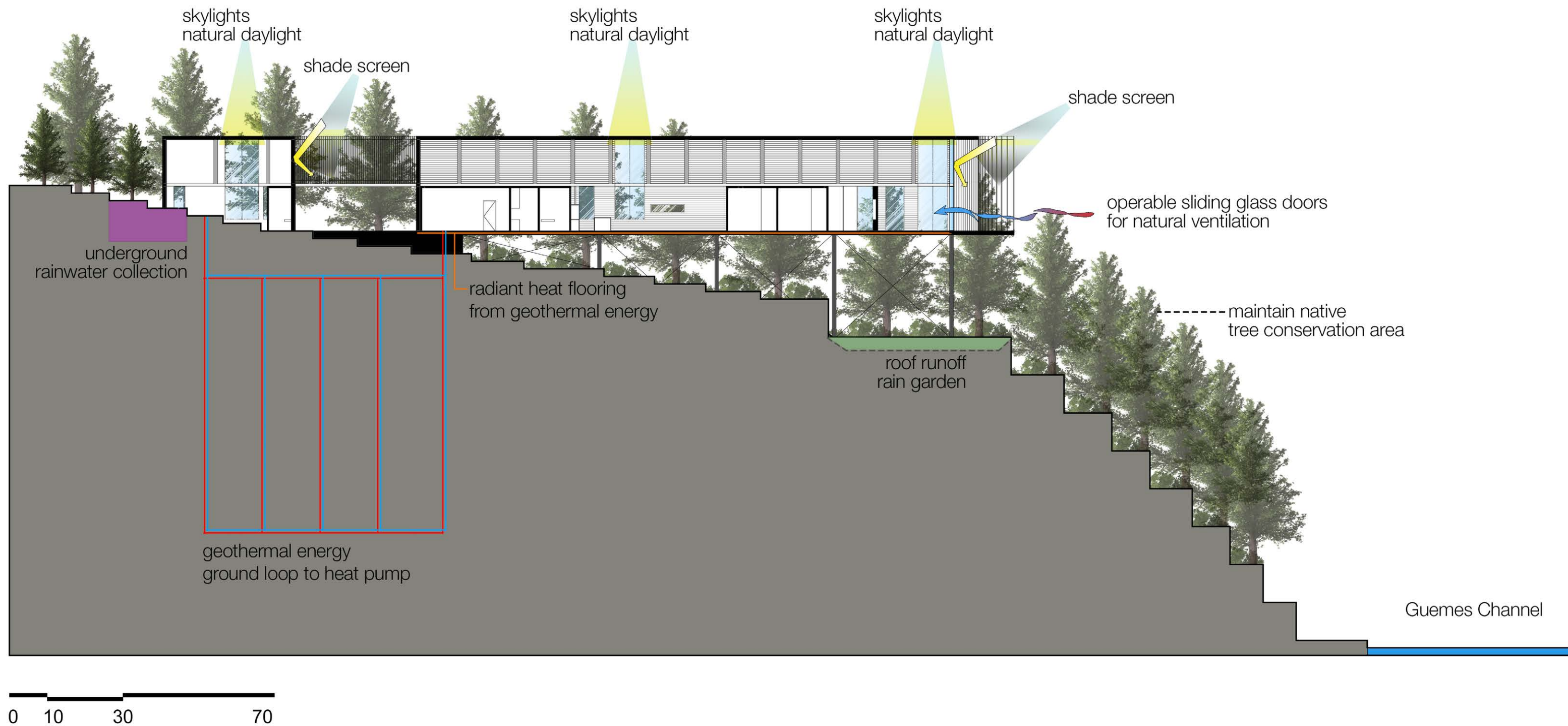
1. Covered Patio
2. Artist Studio/Workshop
3. Entry Hallway
4. Garage
5. BOH (Laundry, Mud, Pantry)
6. Powder
7. Kitchen
8. Living
9. Bedroom
10. Master
11. Master Deck



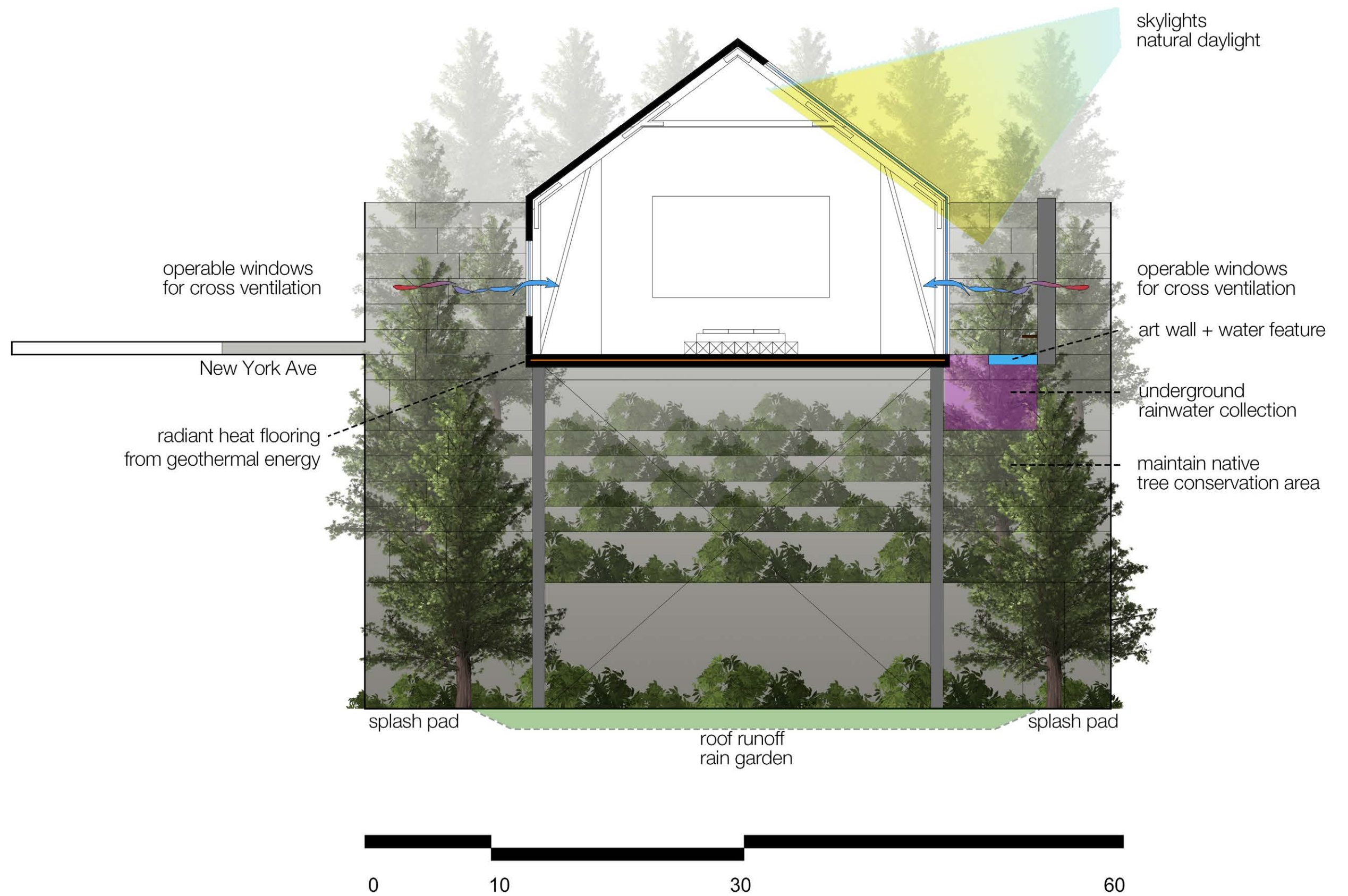




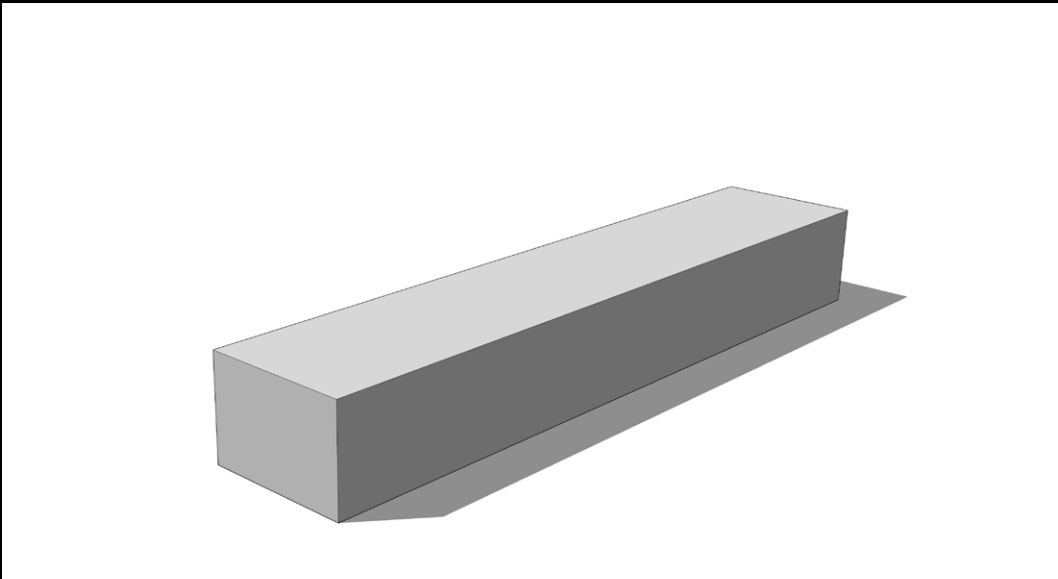




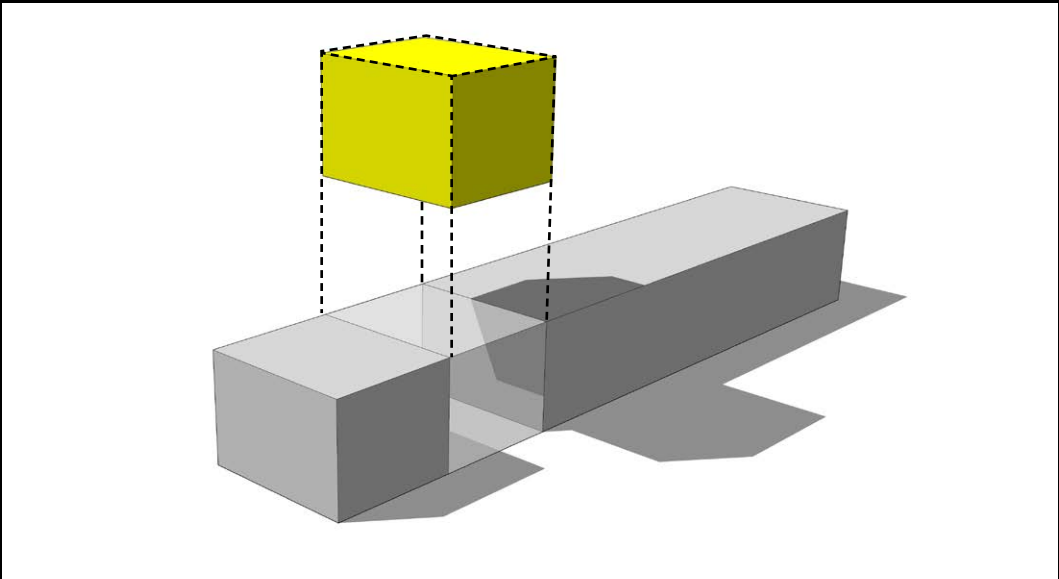




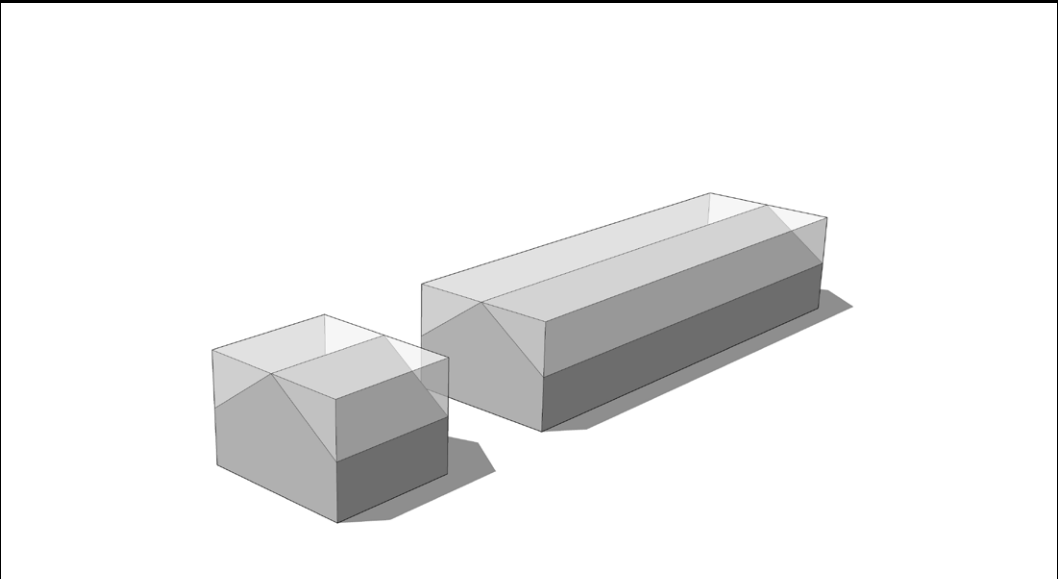




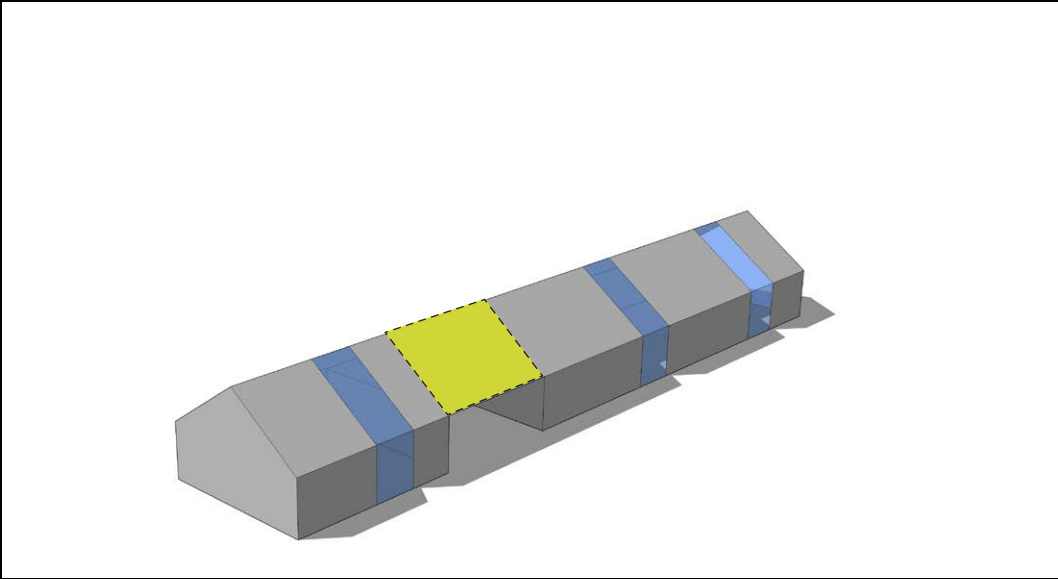
**1. Massing**  
Rectilinear form to maximize narrow lot and master bedroom view out towards Puget Sound



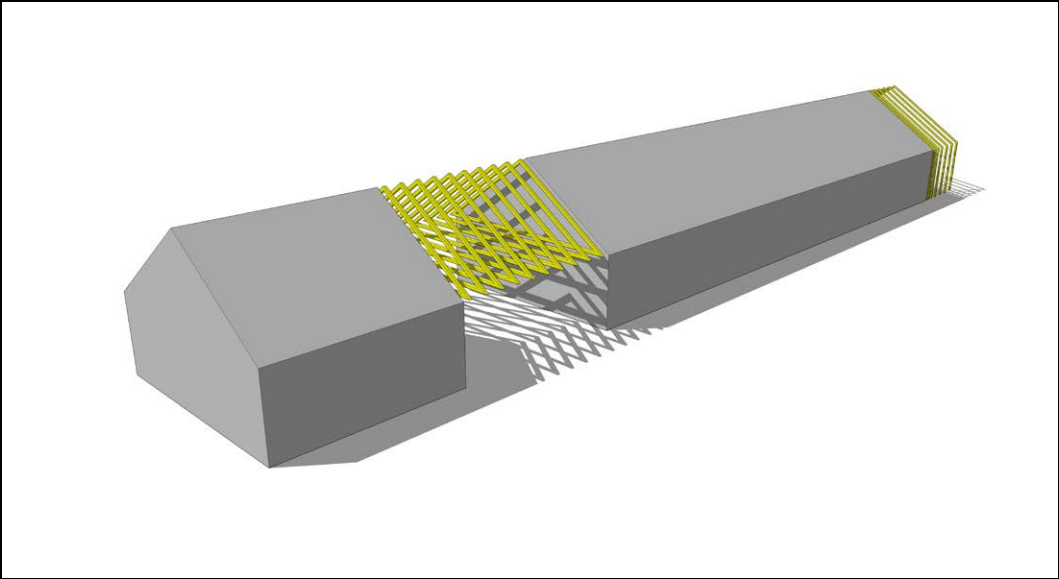
**2. Subtraction**  
Removal of cube volume to separate studio/shop space from home space



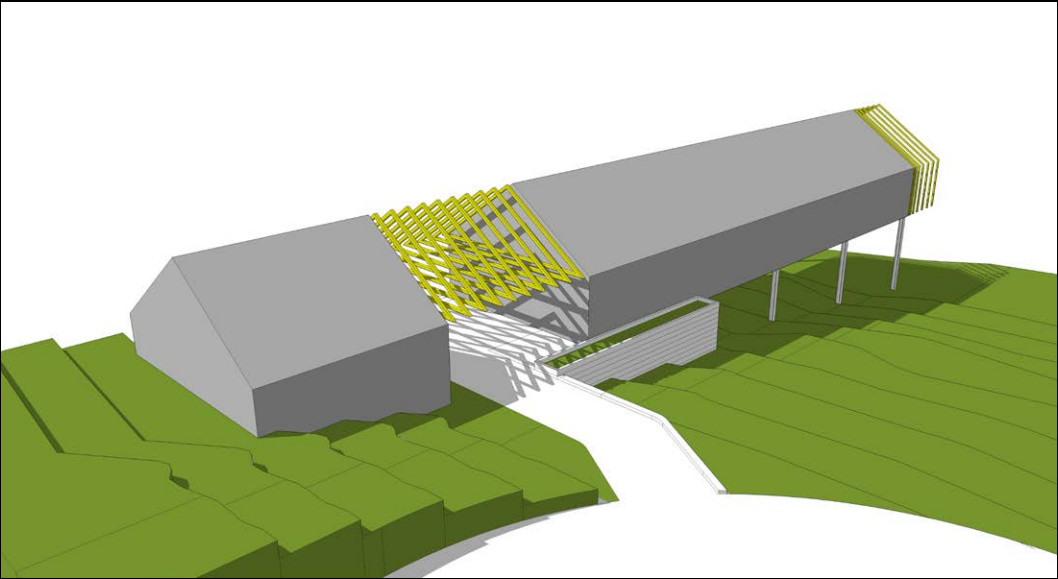
**3. Pitched Roof**  
Classic barn influenced pitch roof relevant to local architecture, yet refined with a minimal and contemporary palette



**4. Re-Connect and Natural Light**  
Re-connect massing to create one volume architecturally while creating slits for natural light via custom skylights and windows, allowing for natural tree shade patterns to wash inside the home

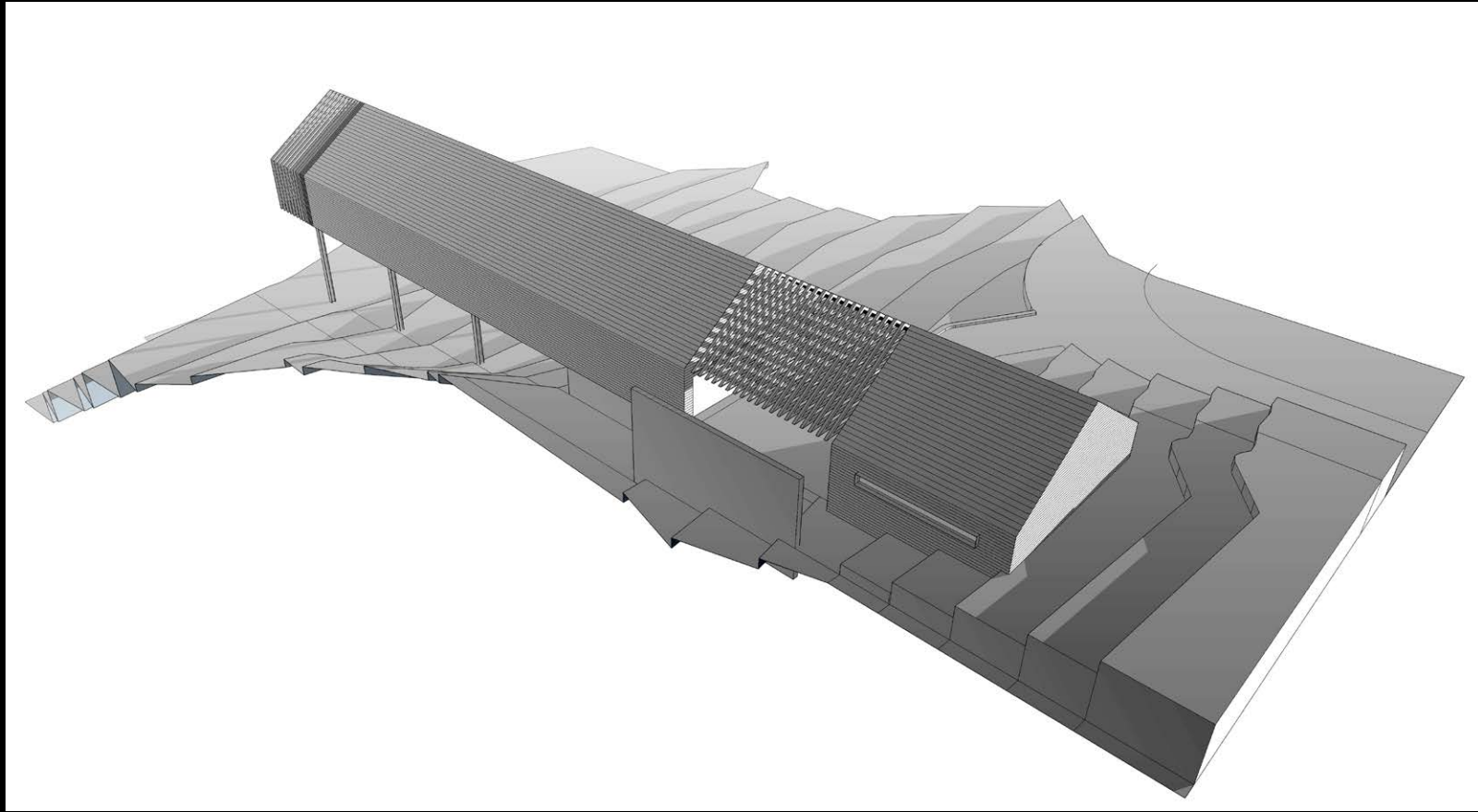
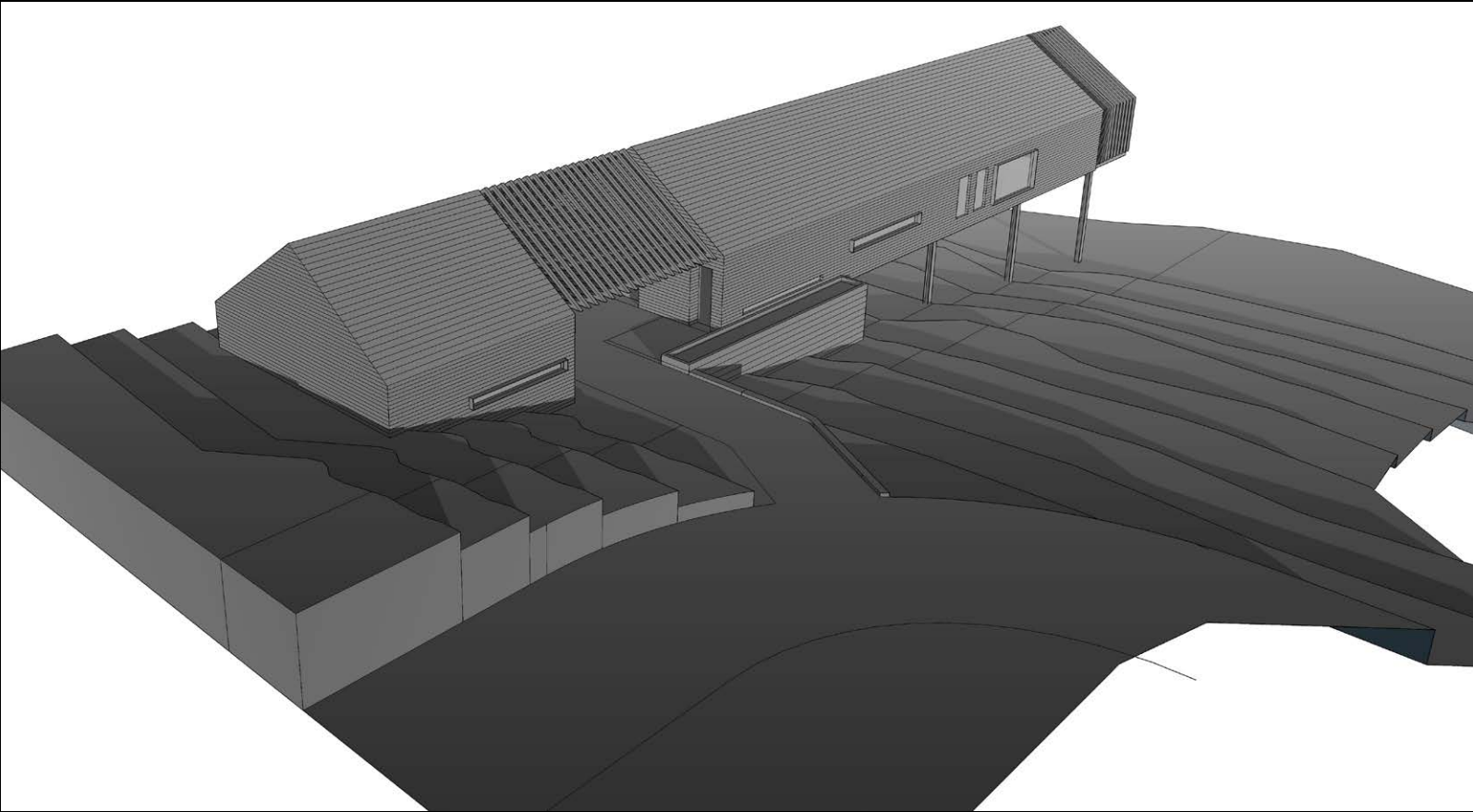


**5. Shade Structure**  
Create shade, lighting, and shadow patterns through structural framing shade structure (as seen in the interior), carried to master bed patio deck

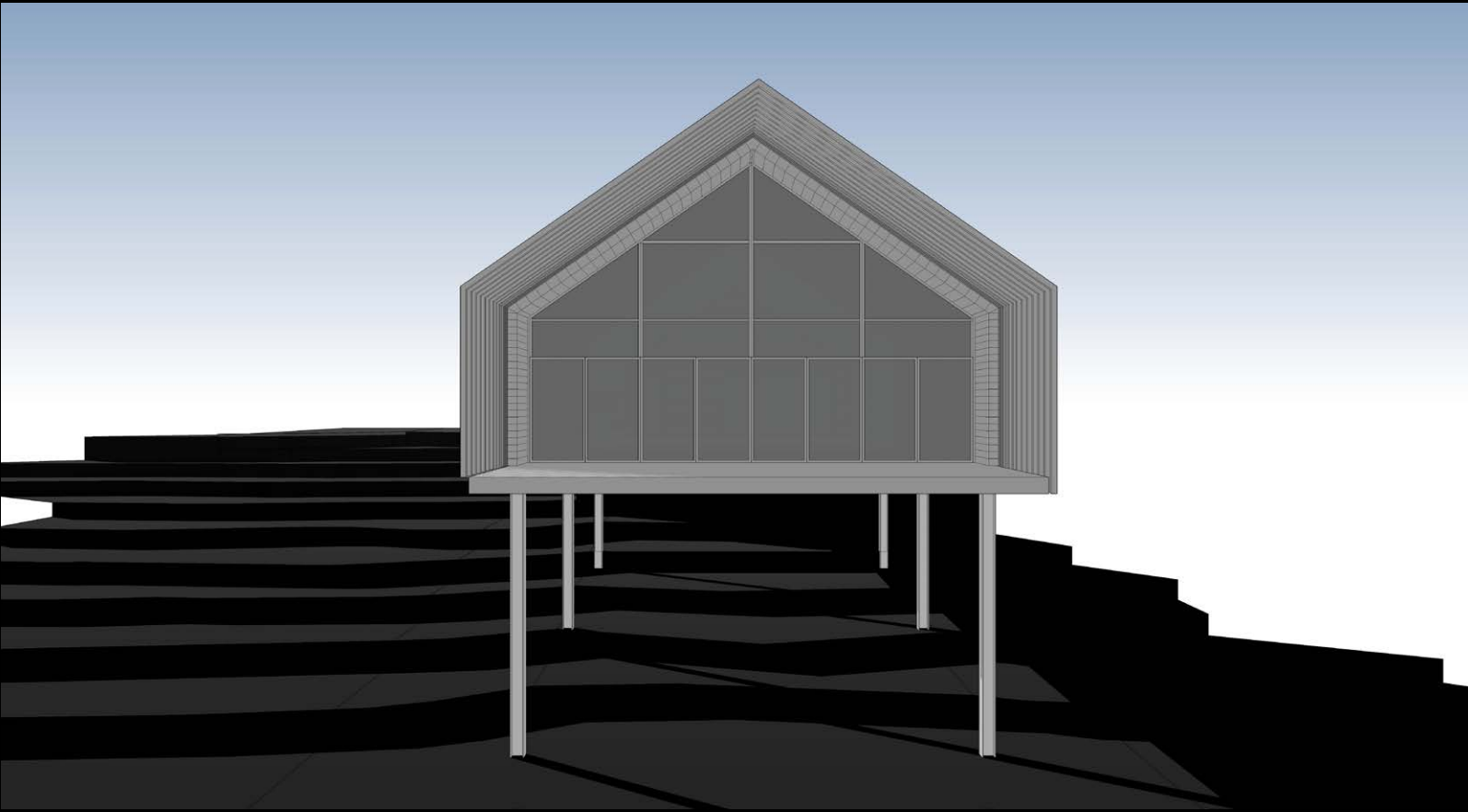


**6. Native Landscape**  
Maintain native landscape by cantilevering 60% of the home, leaving site unblemished, while also creating dramatic views of the Puget Sound and the San Juan Islands

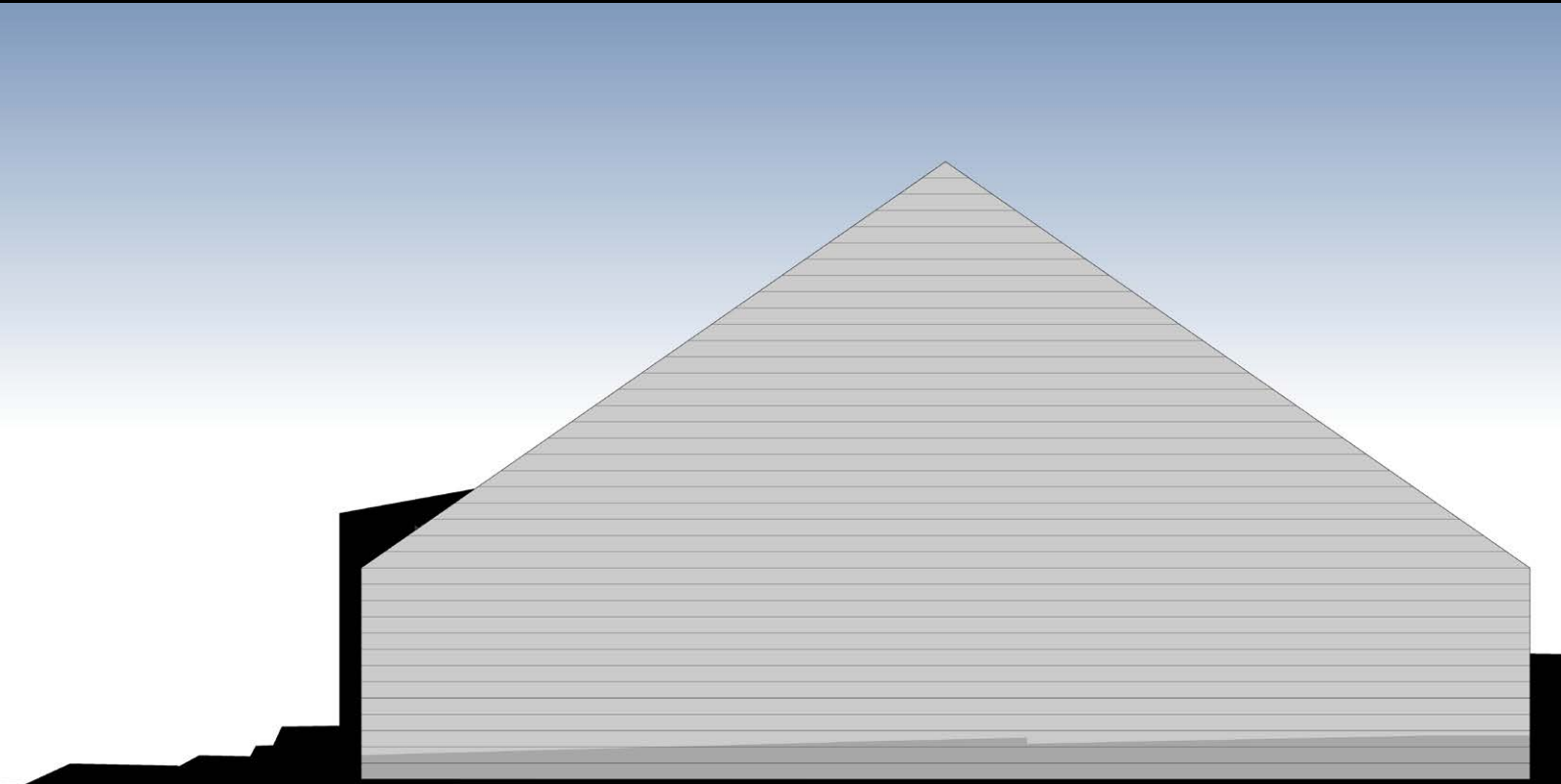




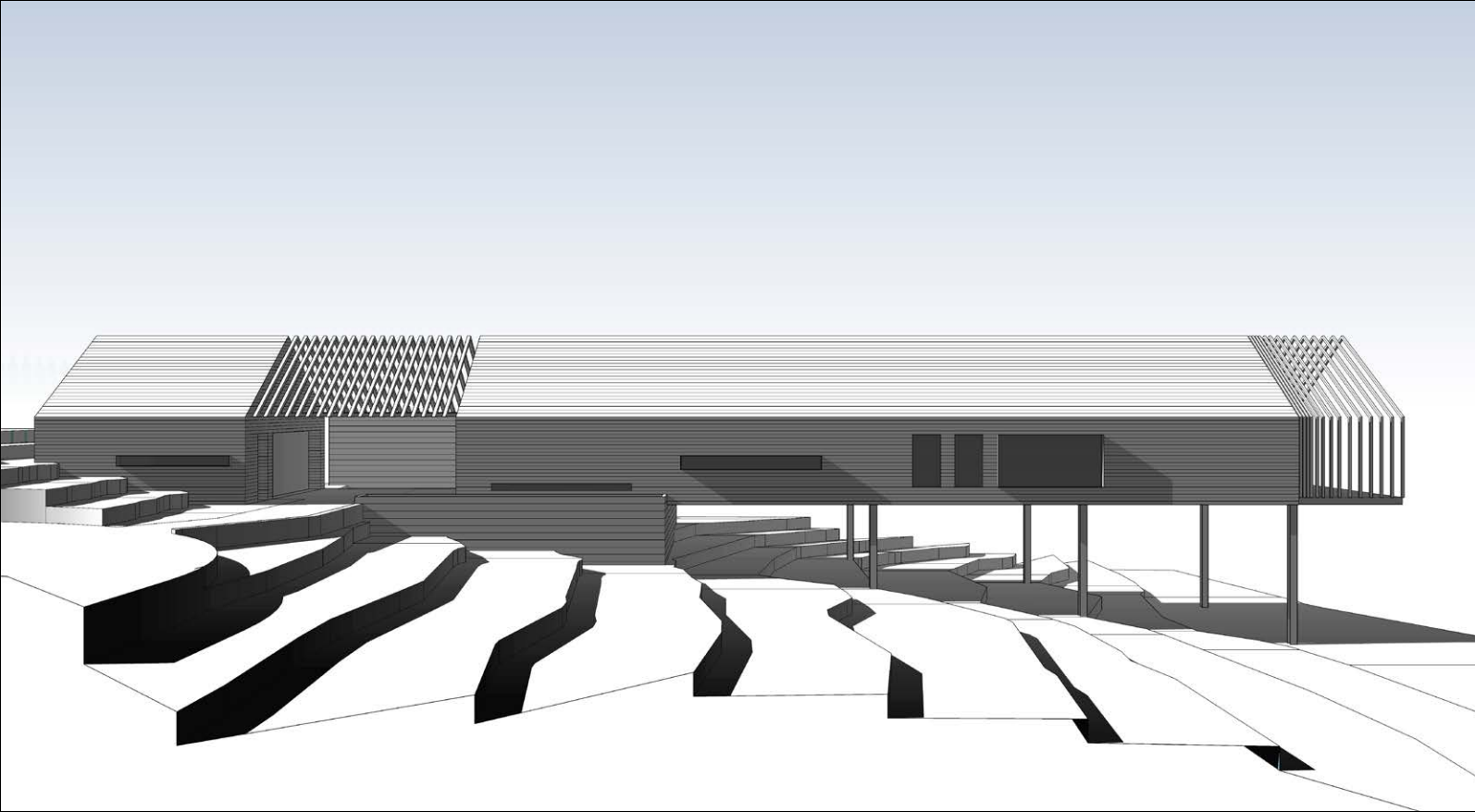




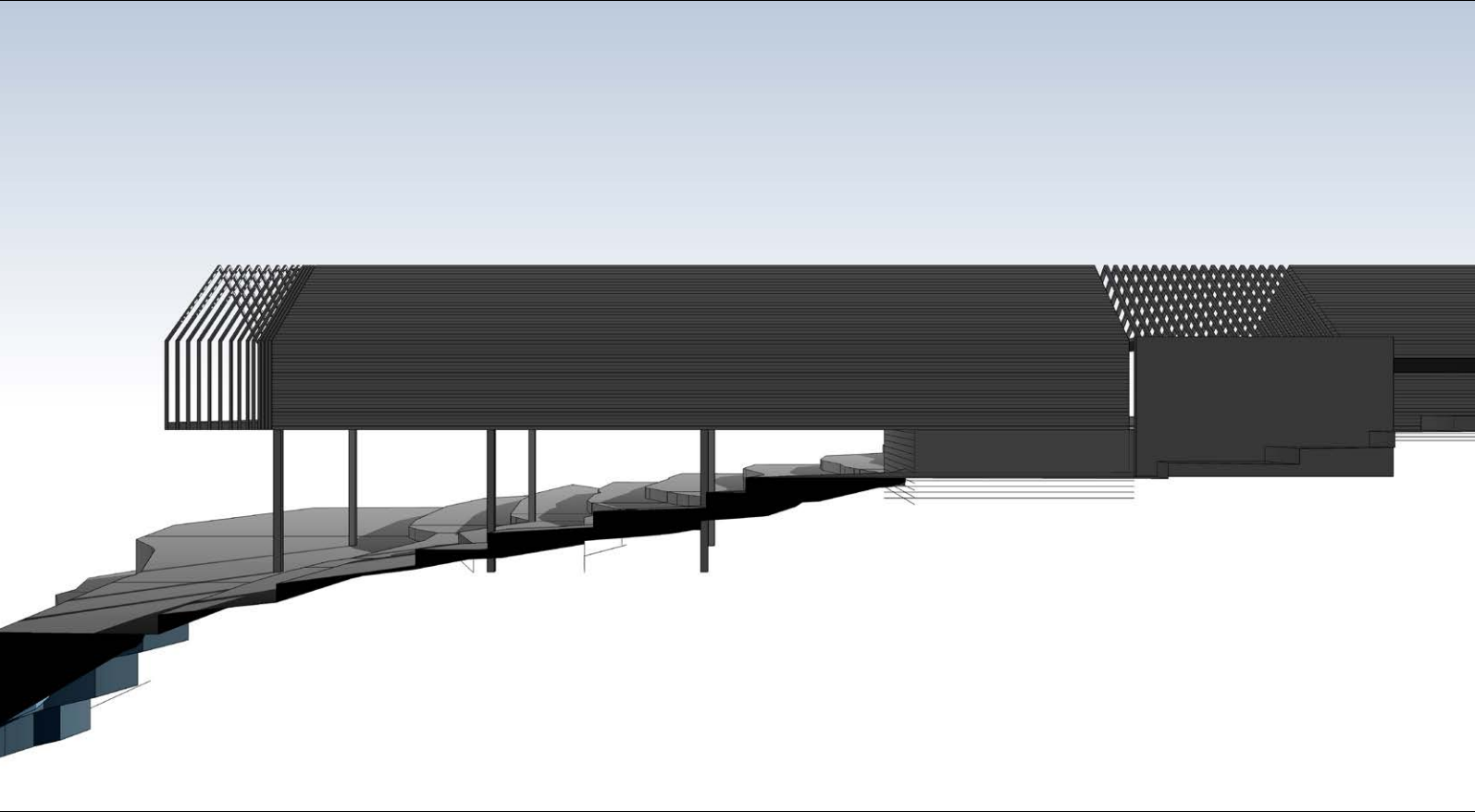
Process Sketch | North Elevation



Process Sketch | South Elevation



Process Sketch | East Elevation



Process Sketch | West Elevation















