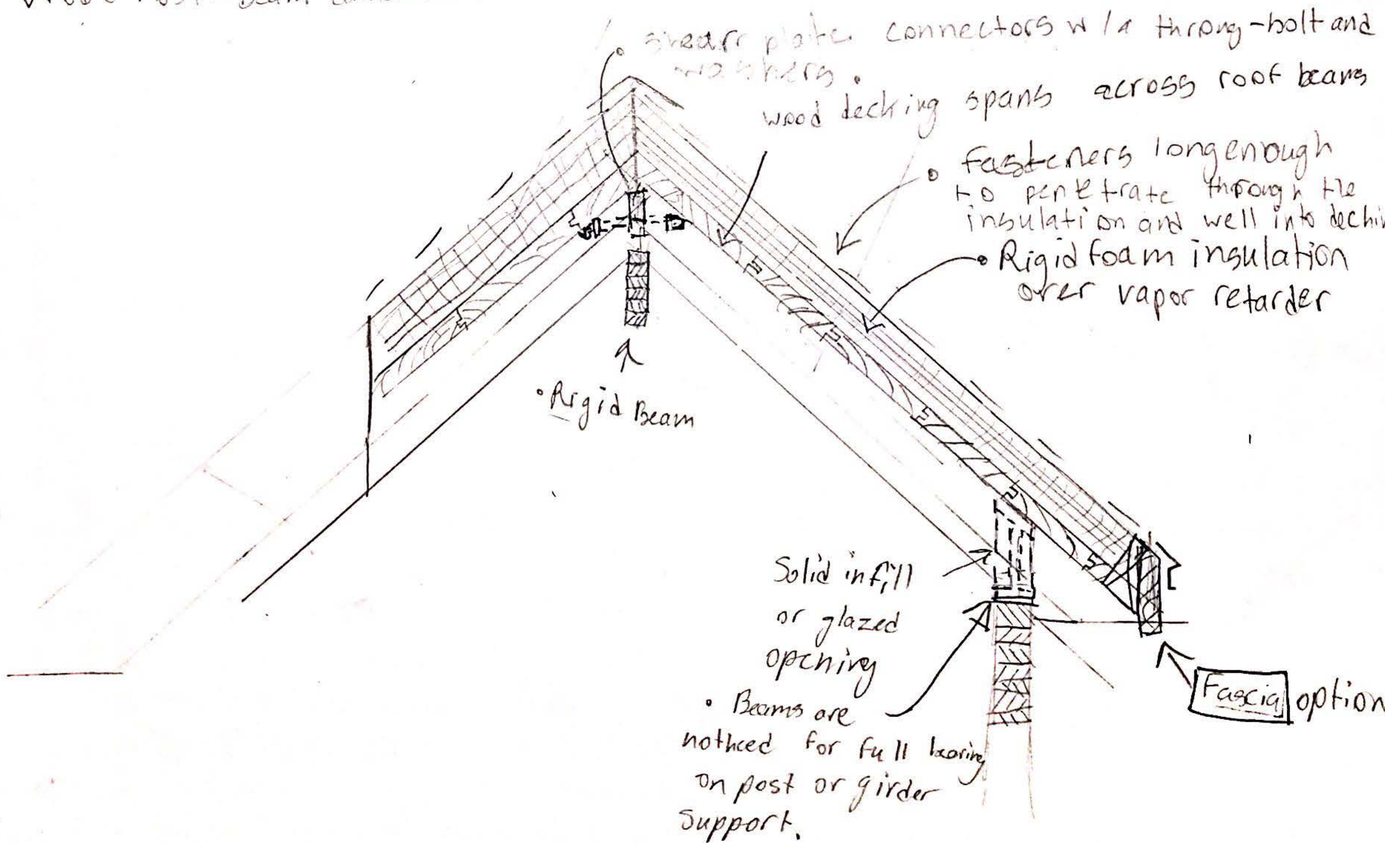


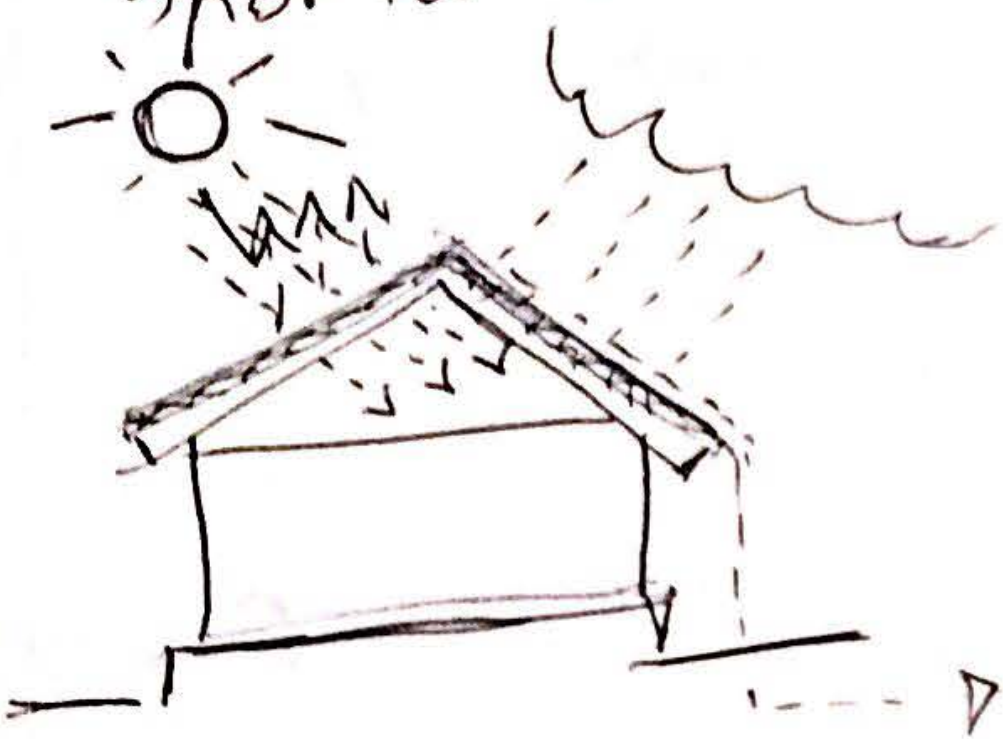
Wood Post-Beam connections



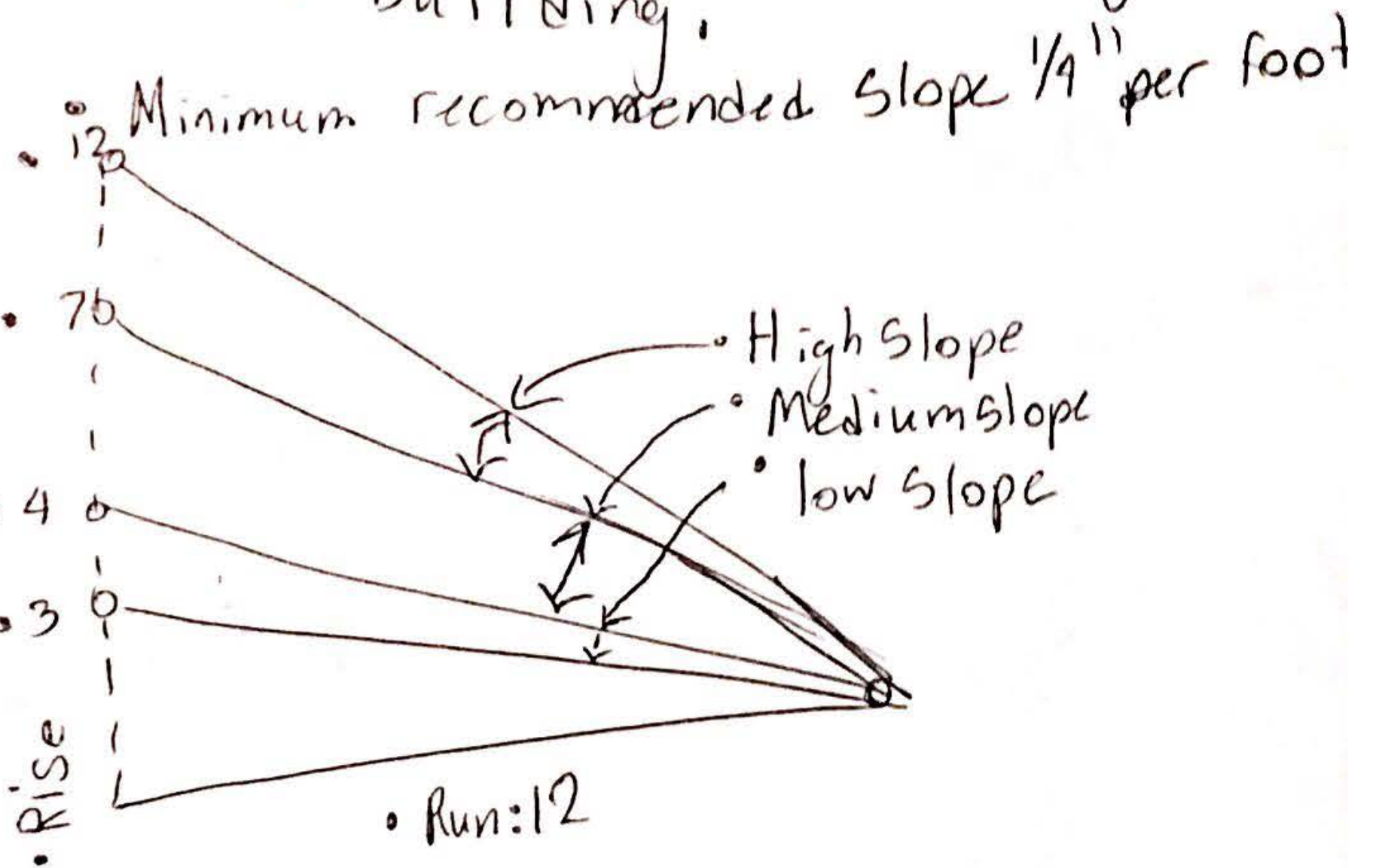
# Chapter 6 Roof Systems

- A roof's structural layout must correspond to that of the column and bearing wall systems.
- A roof functions as the primary sheltering element for the interior spaces of a building.
- If a space has a wide or longer roof it is more flexible

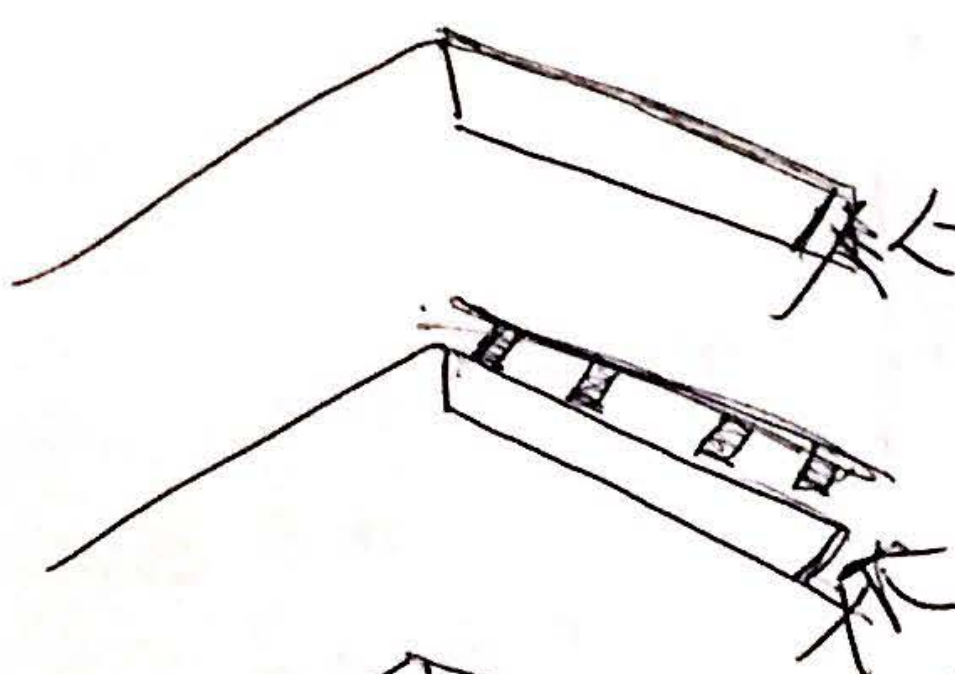
shorter roof spans suggest more precise defined spaces.



- The form of a roof structure has a major impact on the image of a building.



- Sloping roofs may have a structure of:
  - Wood or steel rafters and sheathing
  - Timber or steel beams, purlins, and decking
  - Timber or steel trusses.



- Sloping roofs may be categorized into
  - low-slope - up to 3:12
  - medium- to high-slope roofs - 4:12 to 12:12

imperious - red hot let water go through

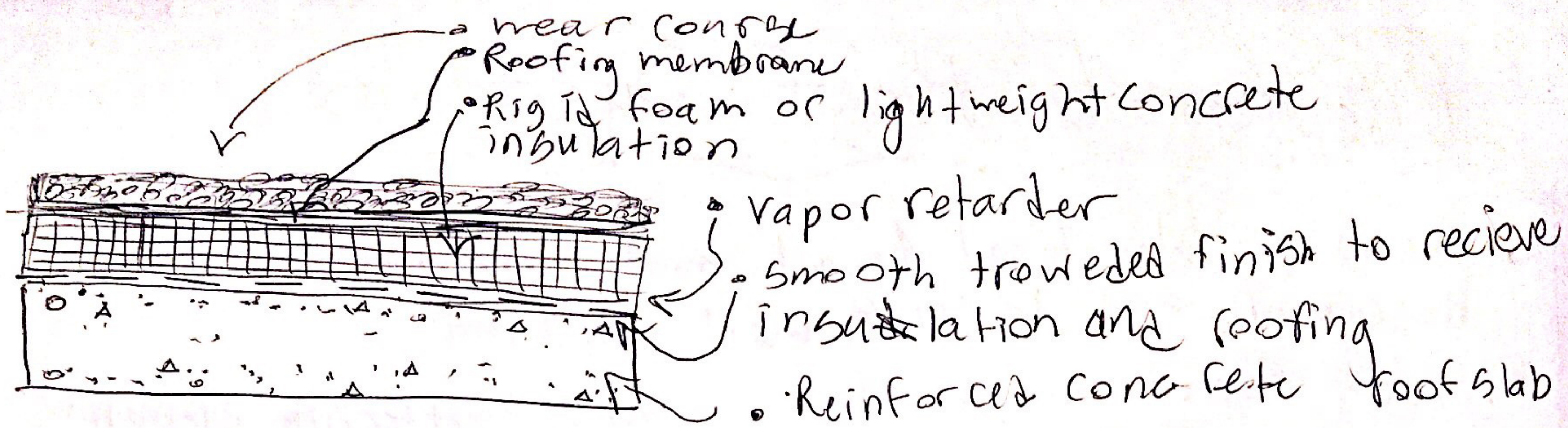
Structural Envelope = Spans + Roofs

Protect water → Rain / Snow

— Sun Heat / Cold → Radiation

— Wind.





~~A - And~~ ~~dim~~ ~~garden~~

this layer is for measurements = ~~12,00'~~

~~Dim style~~

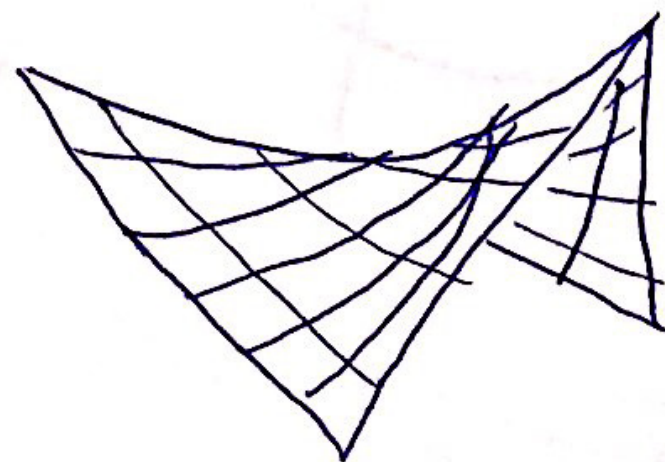
~~Dim continue~~

- The Structure of a roof is mostly composed of Beams/Joists, Rafter, Slabs, Arches, Trusses, Vaults, Space Frame.

- Roof s do not overhang on other people's properties.



- An envelop for a house ~~or~~ is composed of moisture Barrier and Thermal.



Concrete may be designed and cast into numerous forms.