

The background image shows a picturesque village street. On the left, there are stone buildings with tiled roofs and chimneys. A stone wall runs along the right side of the street. The street is paved with cobblestones and has a wooden fence on the right. The sky is clear and blue.

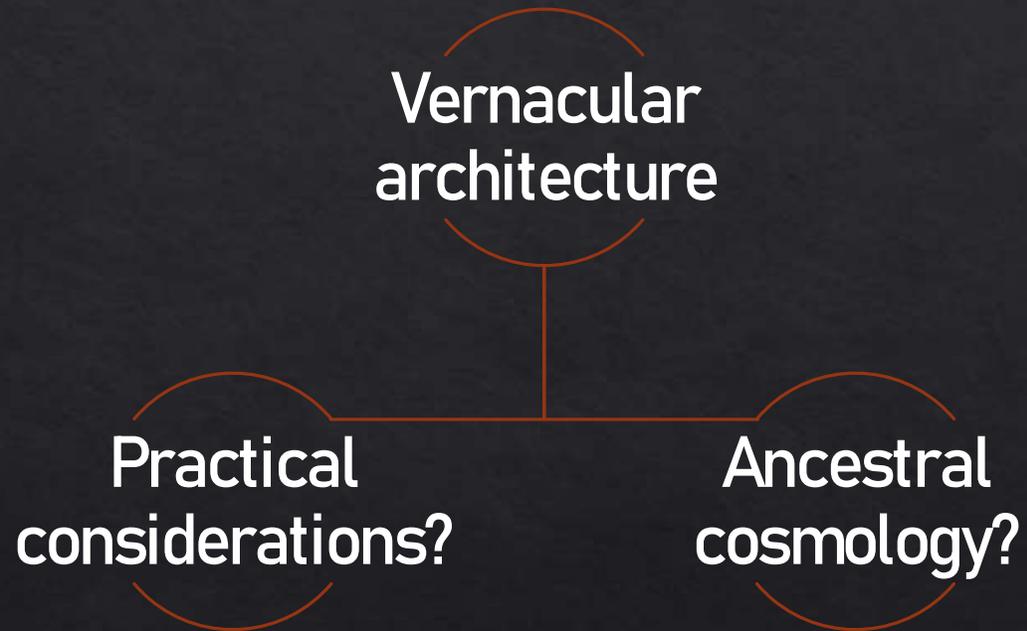
VERNACULAR ARCHITECTURE

Week 5

Issa Tafriidj

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Technology and Symbolism



- Examining materials and techniques of construction and some functional and adaptive aspect of SEA built forms
- If buildings are purely built of practical considerations, why are they shaped differently?

Materials and Technology

- ◆ Buildings are constructed without nails
 - ◆ Pegging
 - ◆ Wedging
 - ◆ Binding
- ◆ Walls are mostly just screens, not load bearing
- ◆ Some roofs have separate structure with the floor



The Interrelation of Built Forms

◇ Toba house

- ◇ Roof to wall = 3:1
- ◇ Structure of the roof is integral to the way the building is put together
- ◇ Longitudinal beams (labe-labe) at head height
- ◇ Rafters are pole attached to the wall plate
- ◇ Diagonal ties
- ◇ No truss on the roof, provide space

◇ Minangkabau

- ◇ Walls are of different heights
- ◇ Roof sits on top of the living space
- ◇ Roof has truss and cross beam
- ◇ Roof may have tiers
- ◇ In the Malay version, women are more confined to the back of the house

Iban Sarawak Longhouse Community



- ◆ The longhouse is used by multiple family, but not for daily dwellings. Families live in their individual houses or huts privately, but they will return to the longhouse after harvest for celebratory ceremonies

- ◆ The granary is a sacred aspect in vernacular architecture. Why?
- ◆ Barns in Batak Toba (called 'sopo') are usually also used as a meeting place. They are also where unmarried men sleep at night.
- ◆ Barns in Batak Karo has three storeys:
 1. Lowest level for men to meet during the day
 2. Middle level as the granary
 3. Attic for male guests and unmarried men to sleep



Balinese cosmic orientation



- ◇ North: Mount Agung (Holy)
- ◇ South: Sea (Unholy)
- ◇ East: Sunrise – Life (Pure)
- ◇ West: Sunset – Death (Impure)

Self-study

- ◆ What did you choose for your mid-term exam?
- ◆ What aspects can you analyse in regards of everything we have been learning so far?
- ◆ Does your perception of the vernacular houses change?
- ◆ Mid-term exam: 1500 words essay