

- **Campus Cabins Requirements**
  - **Build Requirements**
    - Moveable by telehandler. Cabins can also be built in place without telehandler
    - Stacking structure up to 4 high
    - Installable on uneven terrain - stepped structure on ground with stem walls for support
    - Rain-proof immediately (even if not installed on final location)
    - **Connectable to other cabins in 4 directions (sides, back, top excluding front, including staggered in horizontal and vertical directions)**
      - Hallways acceptable to front if it has natural light
    - Hallways have daylight
    - Connectable bathrooms, kitchens, hallways, stairs
    - Allows for additional insulation via modules, and allows thicker walls such as for passive house
  - **Usability Requirements**
    - Accommodate 2 people comfortably for a short period of time or 1 person for a long period of time
    - Provide weather-sheltered access to bathrooms and kitchen
    - Allow the coupling of bathroom and/or mini-kitchen for private use
    - Have sources of natural light
  - **Aesthetic requirements**
    - Beautiful outside and inside
    - Must not violate Christopher Alexander pattern language requirements
    - Integrated with nature and human scale (not brutalist)
- **Suggested Implementations**
  - 12x12 cabins
  - rain-proof top is an add-on module
    - No temporary flat membrane roofs, unless membrane is final. Think of water-vulnerable box, where waterproof comes from final roof
  - Suggested sloped roofs
    - Flat can be protected by another
  - Potentially bottom gutters between sections
- **Modularity**
  - [Everything is a hat](#)
  - Structure - has a rainproof top module
  - Exterior Walls can be 'sidewise hats'
    - Sidewise hats can be structural, such as balconies or cantilever additions pending engineering, but framing can be modified readily to accept this addition
  - Side walls can be omitted or removed
  - Complete waterproof siding homes can be attached without removing the siding

- **Scalability**
  - 12x12
- Process Requirements
  - No temporary roof, when building for rainproof - roof hat must be read to install.
  - No installation prior to roof hat being ready.

#### LIST OF MODULES

- AirBNB module - with ensuite
- Cabin module (includes walls, floor and ceiling)
- Hallway module
- Sloped roof module
- Flat roof module
- Bathroom module
- Bath + small kitchen module
- Deck module
- Circular staircase module
- Staircase module
- Canopy module
- Porch module
- Exterior dividers module
- Grow box
- Grow tower
- Cold frame
- Portable tree module
- Edible landscape design
- Driveway
- Walkway
- Hardscape
- Standalone Veranda module
- Balcony module
- Canteen module
- Multiple stall bathrooms
- Storage cabin module
- Lean to cabin module
- Garage module
- PV wall/roof modules
- Thermal battery unit
- Biodigester unit
- Microfactory module
- Greenhouse module