

## Vertical Studio Proposal

### *Room for an inhabitant of a high-embodied energy house*

Working in pairs the students are asked to design through a 1:20 plywood model, a space using particular found materials. These materials are components of manufactured items that either are high embodied energy materials, retain the traces of such energy, or in some way transmit energy.

The project seeks to explore the spatial consequences of such material and enable the student to become aware of the choice of materials in relation to climate change .

### *Room for Attracting Lightning*

To design a room to observe the frequency of lightning. This may involve looking at Walter della Maria's Lightning Field .The construction would involve copper, water and various earthings.



### *Room for Stalker (Andre Tarkovsky)*

To design a room in which vibrations are used to locate territory. This may involve looking at the film sequences of "Stalker". The construction would involve steel strings and structure borne sound.



*Room for a Metal Forge Worker*

To design a room where the drop hammer marks time and compresses materials to a density that transmits the finest of sounds.



*Room for temperature monitoring*

To design a room that through its materiality offers different degrees of comfort. Such a programme will explore cold-bridges and condensation.



*Room for an electro-plater*

To design a room that explores the materiality associated with bi-metallic corrosion. Using the conjunction of aluminium and copper in a damp medium, the more noble material will remain.



### *Room for a Diver*

To design the climate of a room that is moderated by a heat sink. By storing water underground and piping air through the cool subsoil, the room takes "tappings" from the ground and consequently needs very little additional servicing.



### *Room for a Tracer*

To design a room that registers the scars of a gouged flat slab. Its embodied energy necessitates its reuse as a datum and a base for a new horizon that connects the interior with the tectonic plate beyond.



It is expected that the student would provide the found objects given in the brief. The school should provide one sheet of Plywood 1200x2400mm x15mm thick for each pair of students.

Peter Salter