Collective Atmosphere

*Offering ground to sky*

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*Enfolding the human within passing ecologies*

Collective Atmosphere seeks to frame situated diffusions of community energy in passing through a rising Naviti ecology connecting coastal Marou Village to the east with vast mountain conditions of Vata Rua to the north-west. Lifting the ground seven meters to a concrete platform pinned into rising ground at the north supports a rhythm of CLT beams to span shaded, softly skylit community space beneath an 836m2 Parabolic Trough solar array offered due north to the sky. Where the platform opens across fine access bridges, the sky becomes permeable, offering into a 1968m3 water reserve oriented towards refractions of oceanic luminance nourishing the village. Beyond a 5016KW regional energy capacity generated and stored in partitions across the water reserve, Collective Atmosphere generates a calm space of community gathering, regional ceremony and potential recreation as artefactual participant in an ongoing elemental dialogue of solar and precipitation exchange.

Toward the ocean, the adoration of a reaching horizontal echo, toward the mountain a passage engulfed by vast exchanges of planetary ecology, in the space between a sleeve of Collective Atmosphere gathering Marou Village within the light and space of passing ecology.

Operating Within Environment

Scaled to a planetary situation of ecological process, Collective Atmosphere carries potential to assemble the global with the local where modular beams/platforms and Parabolic Trough Systems[[1]](#footnote-1) arrive to rest upon regionally crafted masonry and cliff supports (refer Section C).

A light-permeable, open-air platform of sixty-meter span encourages groundcover, undergrowth and overgrowth to gradually overwhelm the structure and space beneath (Refer Section B). Tethering into cliffs at the north limits material upon the ground to thirteen standing masonry columns along a southern extent and four partitions framing the water reserve (Refer Ground Plan).

Water and falling topography define the solar array and platform as discrete spaces, selectively accessible for expert maintenance by opening the bridges (refer Section A & B). The water reserve delineates public community gathering space from environmental systems partitioned by the cliff, housing thermal exchange infrastructure, PV condenser and batteries supplying energy to the village (refer Axonometric Diagram).

1. Collective Atmosphere has utilised Hi-min Parabolic Trough Solar Thermal System 2.55m x 6m module as its prototypical PV system. [↑](#footnote-ref-1)