

# PAKSI

Titiwangsa Pavilion 3.0



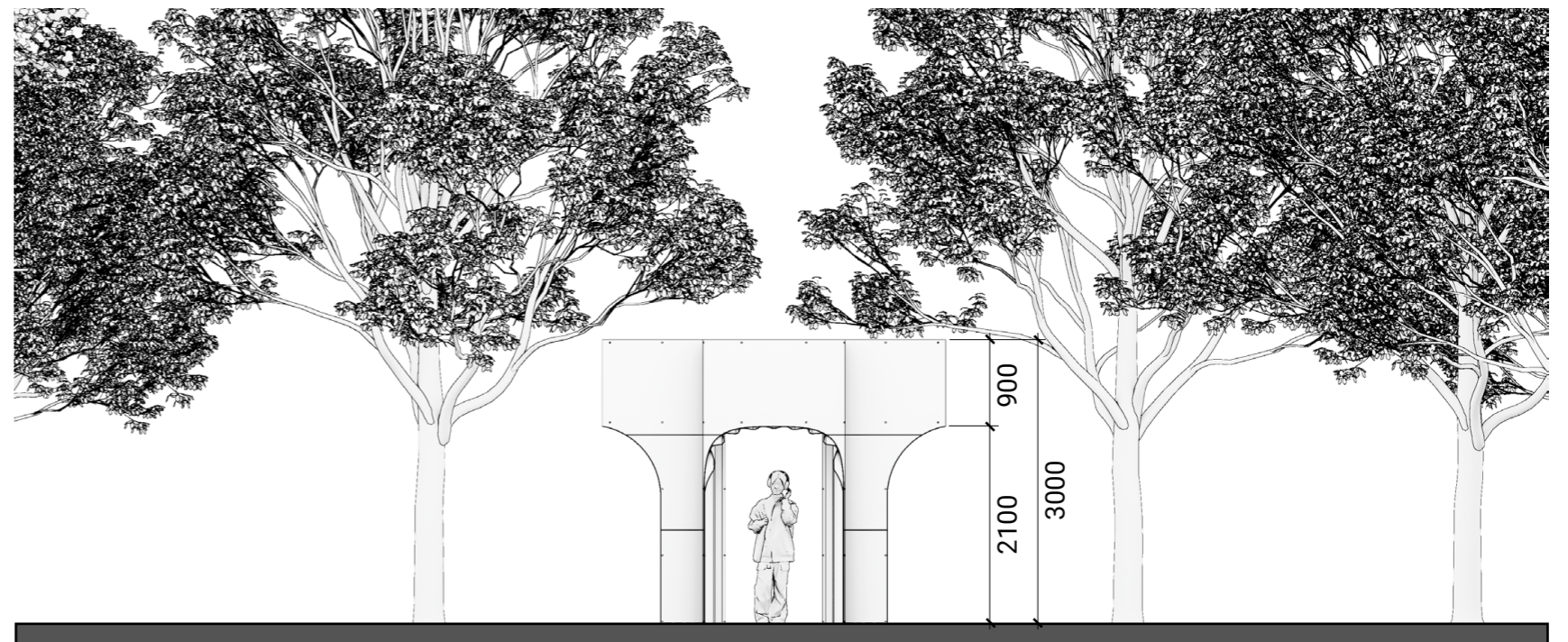
Site Plan Scale 1:600

PAKSI draws inspiration from the traditional Malaysian gasing, expressing the sense of motion and balance found in its rotation. The pavilion is formed by four vertical cylindrical shells, or “petals,” arranged symmetrically to create a central, vaulted gateway. This composition gently guides attention toward the core, where a suspended paksi marks the central axis above. The structure explores a monocoque approach, where the outer skin also contributes to load-bearing, allowing the form and structure to work closely together.

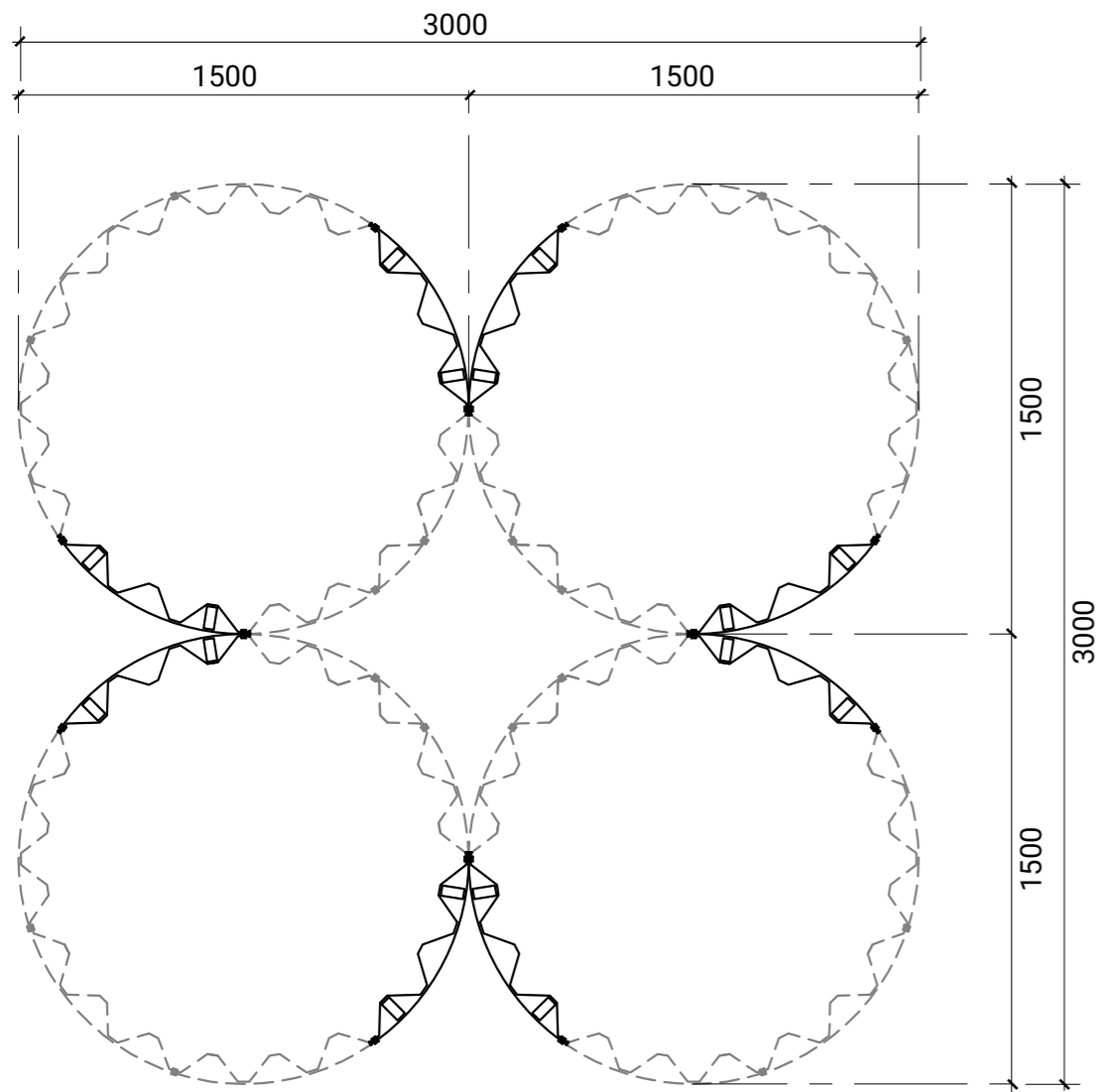
A double-skin system using BlueScope Zinalume sheets is adopted, combining inner Swissma Sanko Roof Deck for stiffness with a flat outer layer that helps stabilize the form. This layered approach takes cues from the structural logic of corrugated cardboard, offering both strength and efficiency. The shells are carefully slotted into TrueCore C-channels, forming a cohesive and stable assembly.

To support practical construction, the pavilion is designed for off-site prefabrication, with the four primary components assembled on-site. The curved surfaces and arched openings help guide wind flow across the structure, while the vertical form allows rainwater to drain naturally. The unpainted Zinalume finish reflects the surrounding landscape, helping the pavilion sit more quietly within its environment.

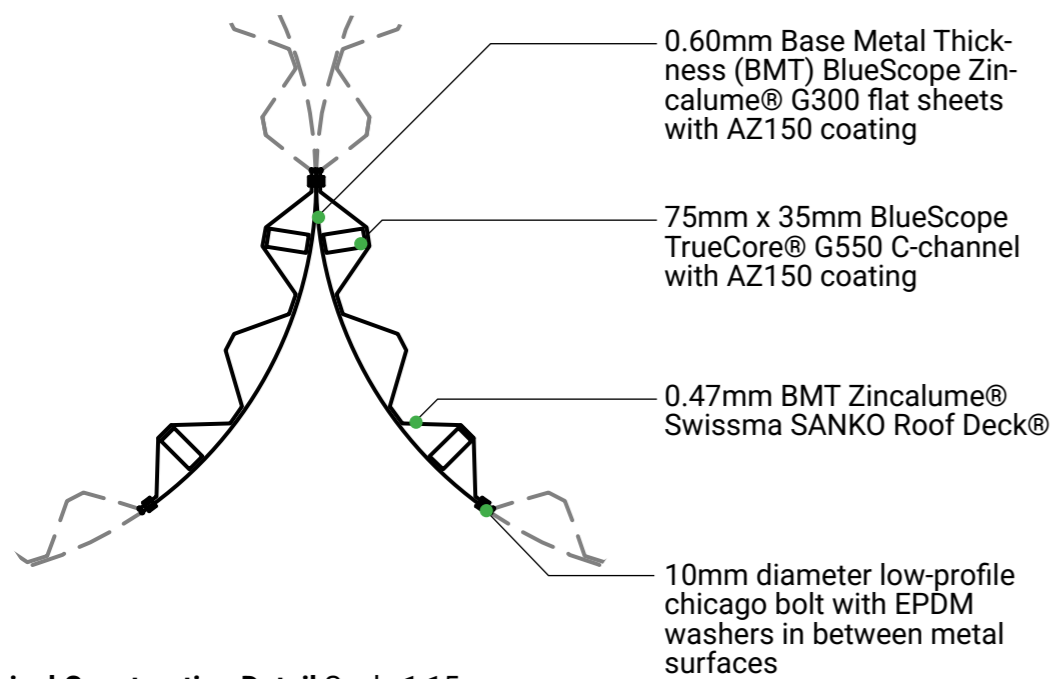
The structure is fully mechanical in its connections, allowing it to be disassembled and reused. After the exhibition, the individual petals can be repurposed as smaller garden shelters, extending the life of the materials and supporting a more sustainable approach to construction.



Front Elevation Scale 1:60

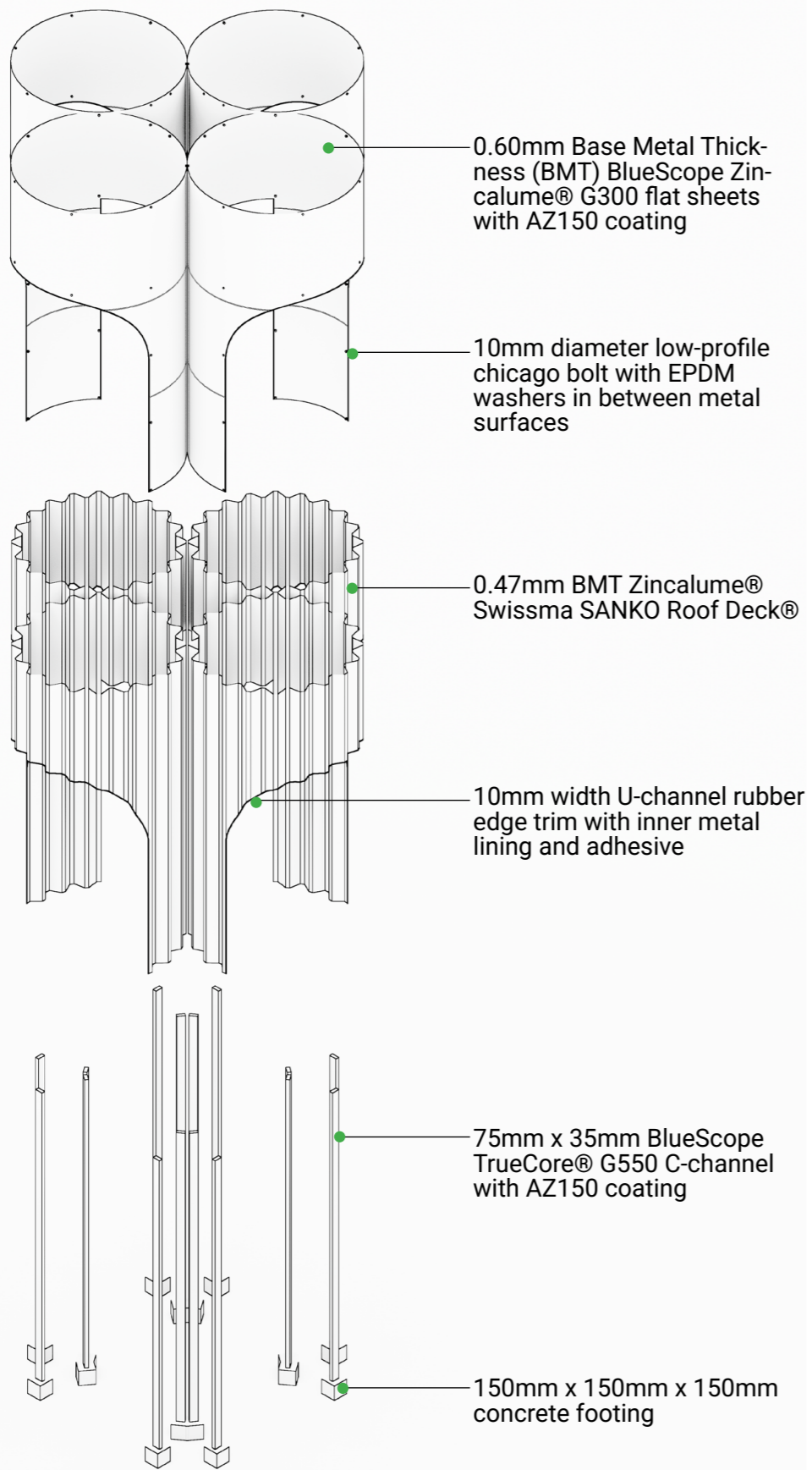


Floor Plan Scale 1:25



Typical Construction Detail Scale 1:15





Exploded Components



Section Scale 1:60

