

THE BOND

This proposal is named the bond. The bond is a series of gathering spaces that connects the conflicts between Building and Nature, Young and Old generations, and local context and diverse culture.

Through three key spaces:

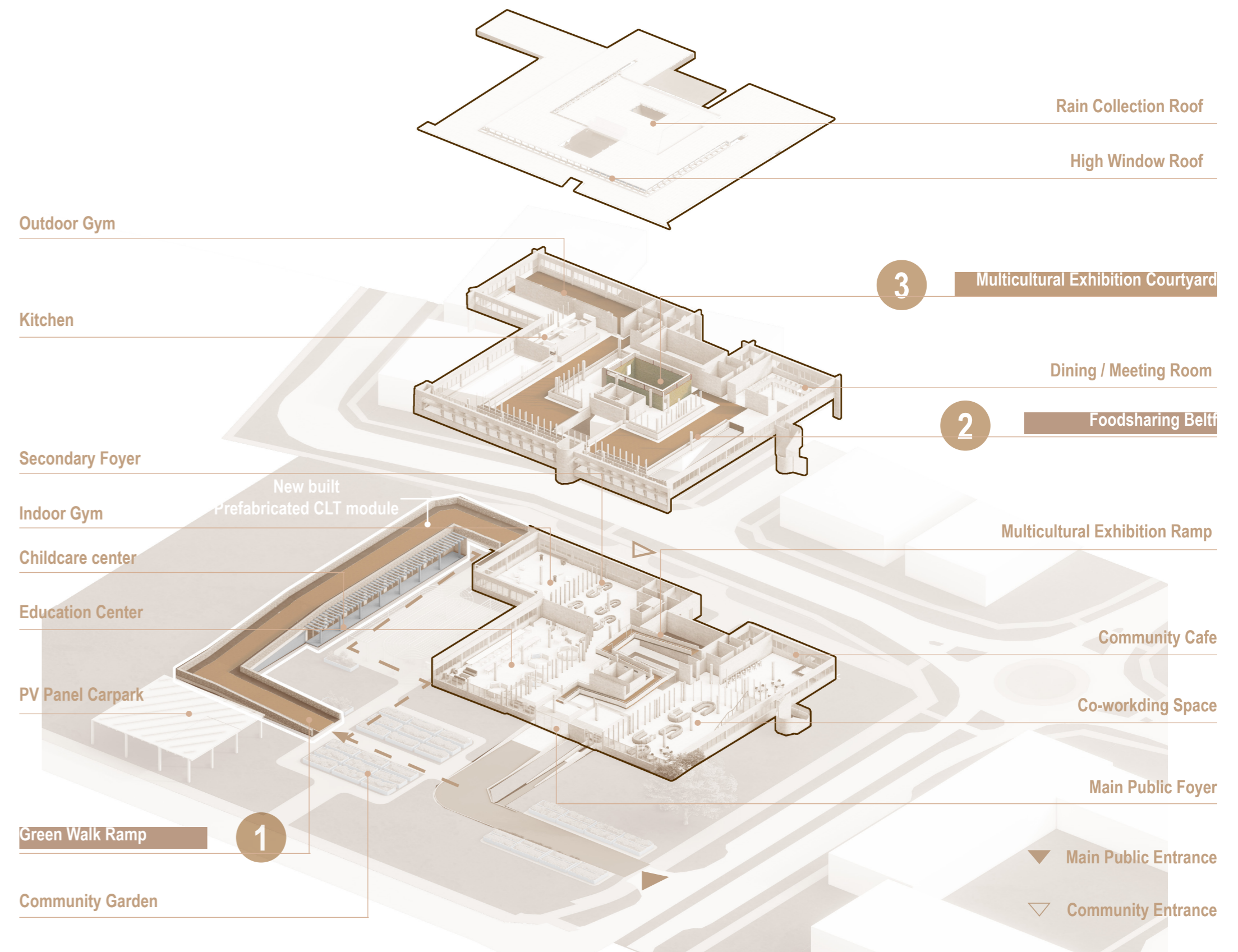
- 1 Green Walk Ramp
- 2 Food Sharing Belt
- 3 Multi-cultural exhibition courtyard.

The community center acts like a bond, using a biophilic design approach to provide a more green, friendly, and united future.

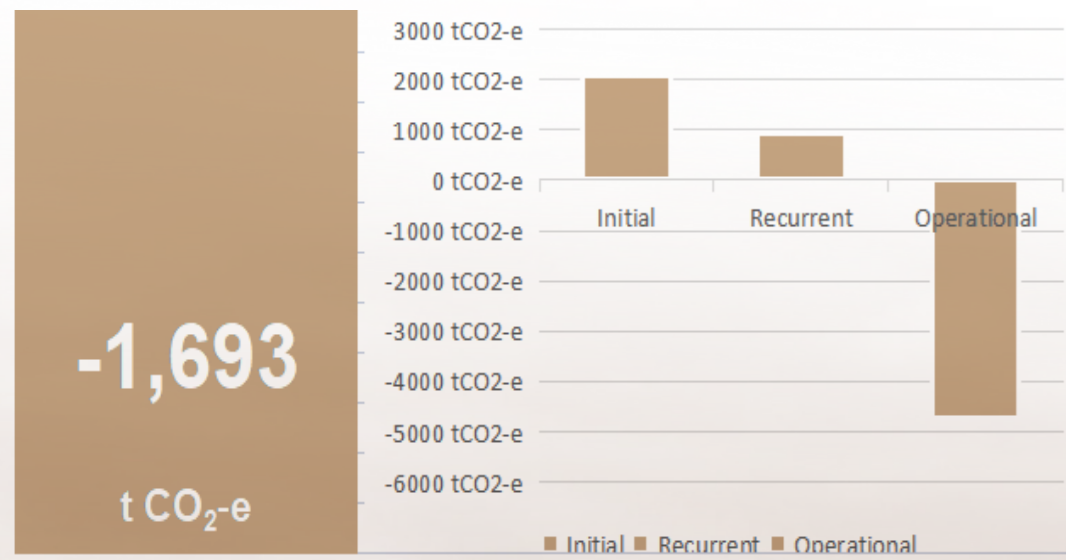


Biophilic Approach

The bond provides a biophilic journey starting from the natural landscape. As it engages with various functions, the bond integrates natural light, ventilation, and green elements into the interior. Culminating in an outdoor courtyard in the middle of the building, the bond infuses vibrancy and vitality into the community center.

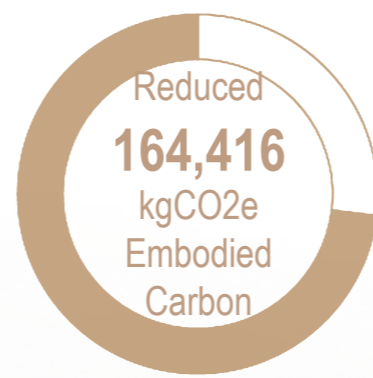


Whole Life Carbon (50 years)



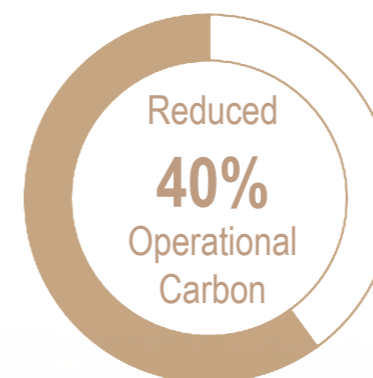
Prefabrication and modular construction method is adopted in the new build part

■ Prefabricated Modular Construction Method
■ Traditional Construction Method



Embodied Carbon is reduced by reuse waste concrete aggregate, using reclaimed timber and minimise cladding

■ Added Embodied carbon
■ Existing Retained Embodied Carbon



Operation Carbon is reduced by passive cooling/heating, including stack effects and night purging

■ Traditional Operational Carbon
■ Proposed Operational Carbon



200MWh/a energy is produced by the pv panels
132,200L water is collected from the roof

□ Net Zero targets

