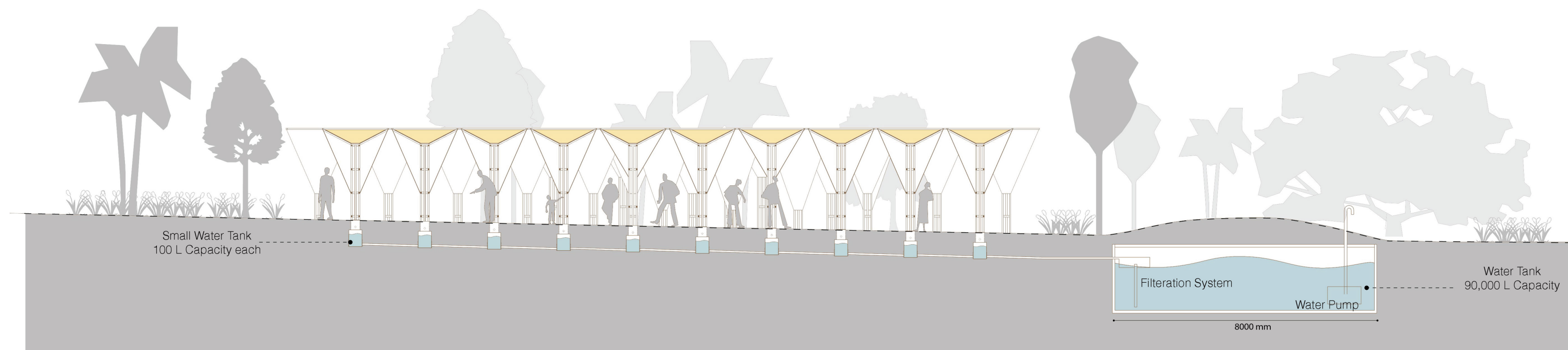
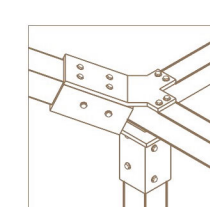




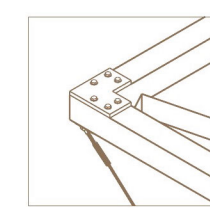
Interior view of solar school



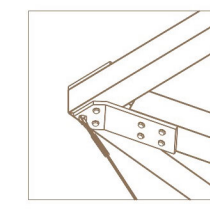
LONGITUDINAL SECTION 1:100



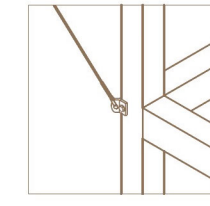
Column - Beam connection (s - 1:10)



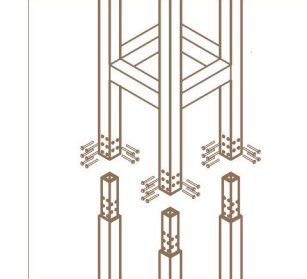
Beam - Beam connection (s - 1:10)



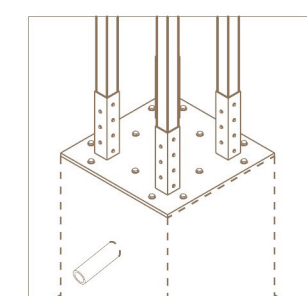
Beam - Cable connection (s - 1:10)



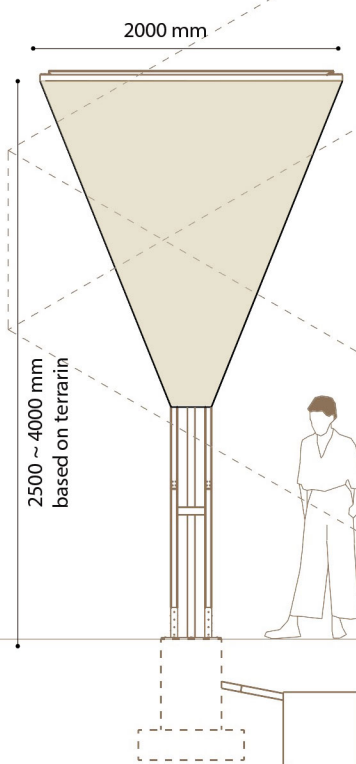
Column- Cable connection (s - 1:10)



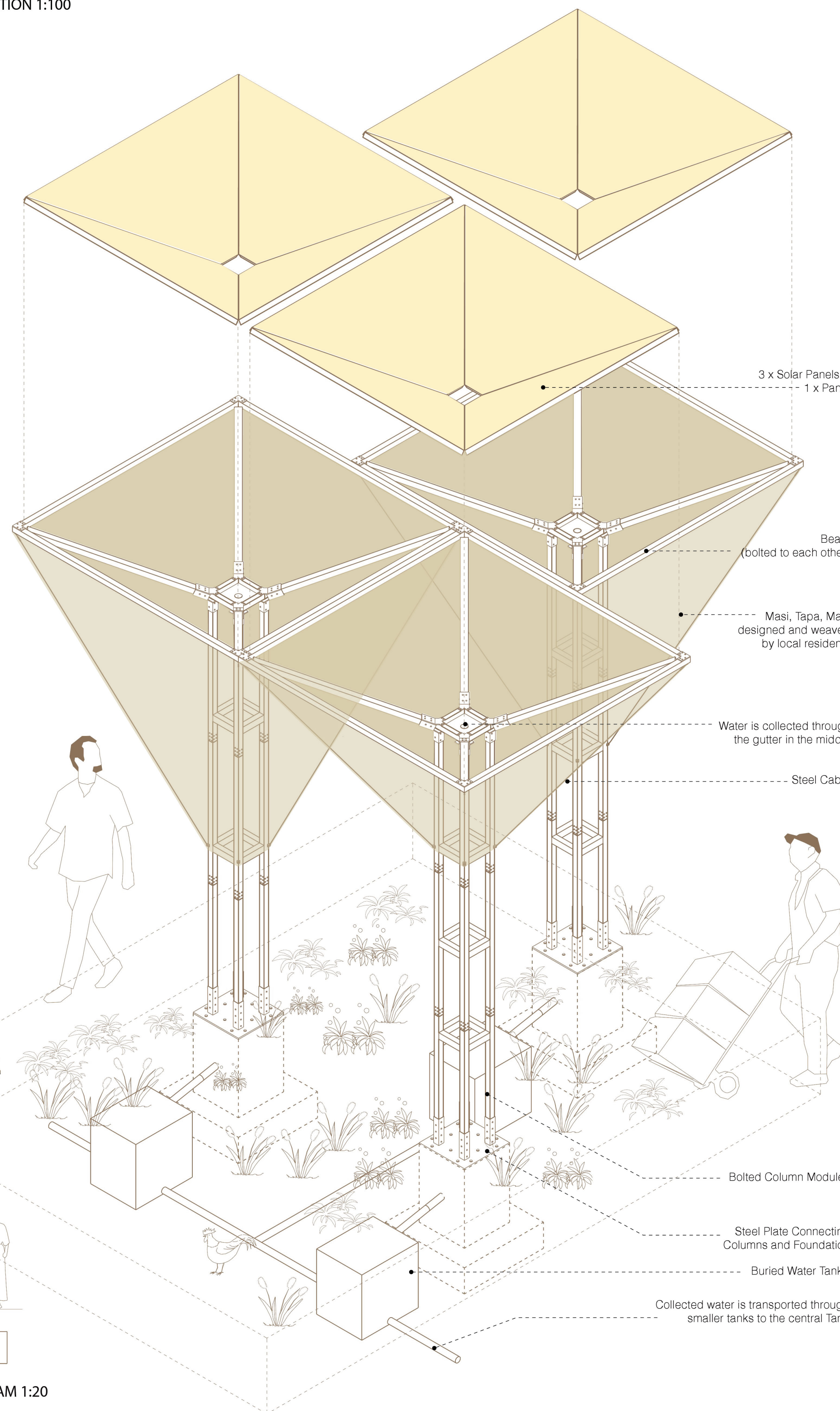
Column module connection (s - 1:15)



Foundation - Column connection (s - 1:15)



AXONOMETRIC DIAGRAM 1:20



PROTOTYPING AND PILOT PROJECT

The prototyping stage serves as both a technical trial and a cultural co-creation process. A full structural module, comprising three photovoltaic (PV) panels, a rainwater collection system, and four custom-designed fabric and mat panels will be developed. Structural elements will be prefabricated off-site using standardized methods and transported to the site to reduce on-site construction complexity. At the site, our team will work directly with a small group of local residents who will each design and weave a fabric or mat panel using traditional techniques and personal expression. Following fabric production, the same group will participate in assembling the structural frame, including the integration of their crafted panels. This collaborative, hands-on process deepens their understanding of the system, while fostering a strong personal and emotional connection to the infrastructure. In this way, the prototype tests structural viability and the design's ability to engage and inspire the community. The pilot project will expand the same participatory methodology across the entire community. With a target of over 100 modular units, the pilot presents an opportunity for broad engagement. Every resident interested in contributing to the project—particularly in fabric and mat production—will be welcomed to participate.

