

Tiny World GAME MODULES

Lack of infrastructure for children

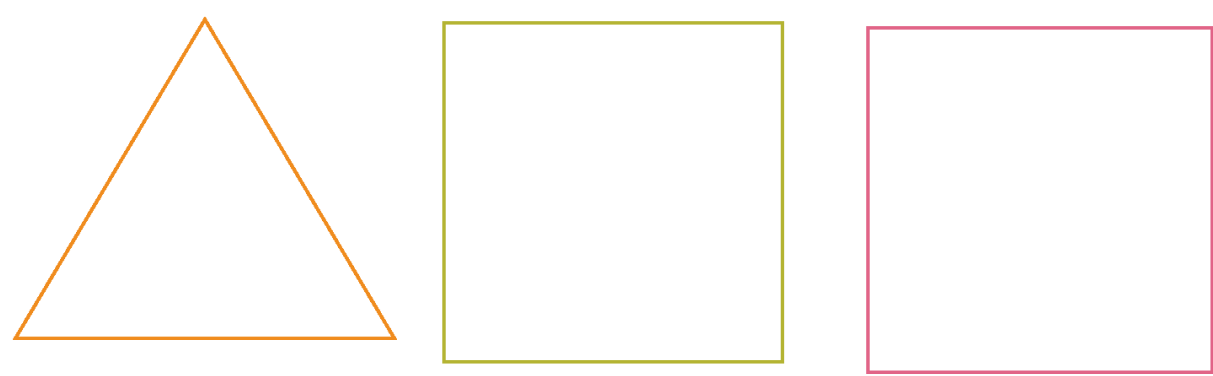
In Monterrey, the city where the proposal is located, **children represent 25% of the total population** and are highly vulnerable to extreme heat and the **lack of adequate infrastructure to ensure safe and comfortable public spaces**. The scarcity of suitable parks and rising temperatures limit their recreation and well-being, **also impacting pregnant women, caregivers, and older adults**.

The project proposes a **modular intervention with layers of vegetation, play areas, and rest areas** that reduce temperature and improve thermal comfort. The triangular and square modules, made with sustainable materials, **adapt to different stages of growth and types of space**. Their replicable and multifunctional design promotes coexistence, inclusion, and social cohesion, providing solutions that mitigate urban heat and improve quality of life.

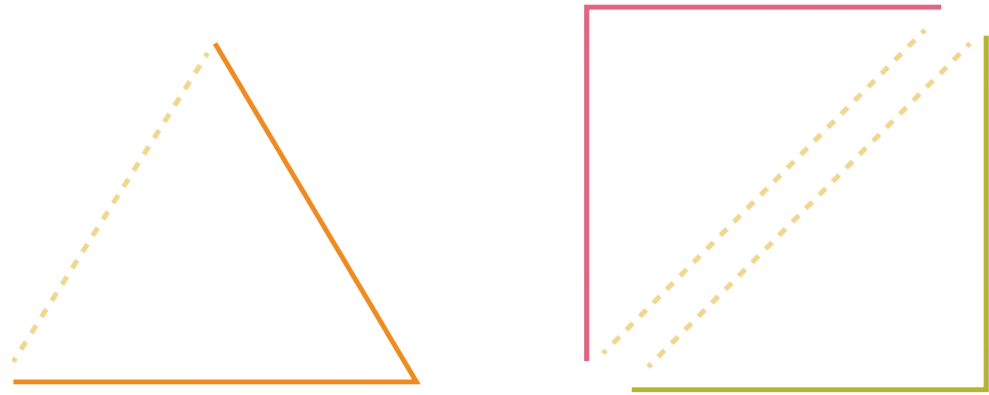


Concept

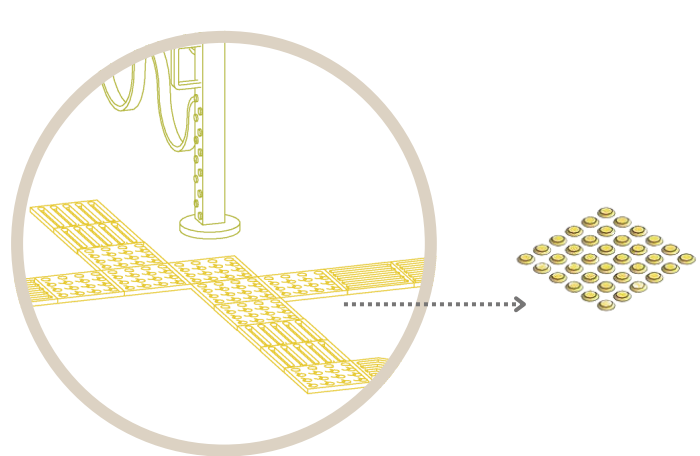
Simple geometric shapes to associate



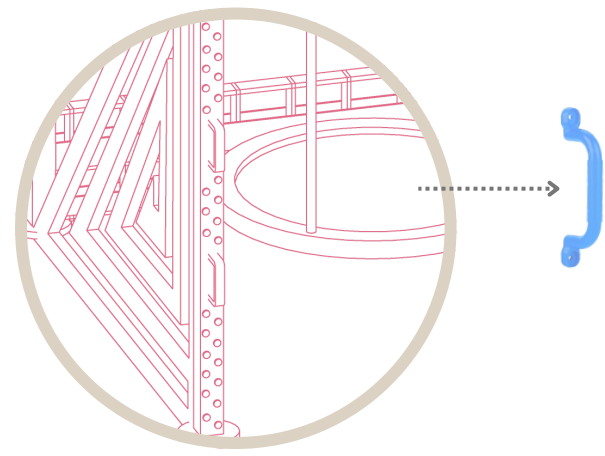
Decomposition of geometry



Accessibility



Tactile floor markings

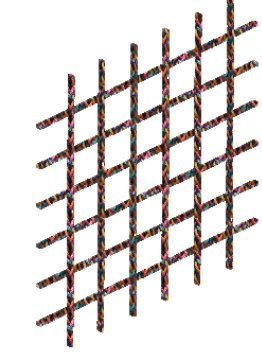


Handrails at two heights, 0.80 m and 1.10 m

Types of game walls



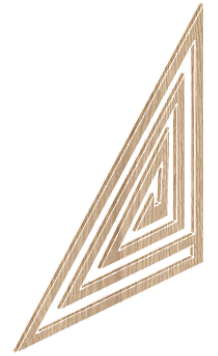
Figures



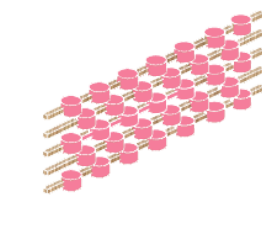
Climbing net



Hoops



Shadow play



Number game



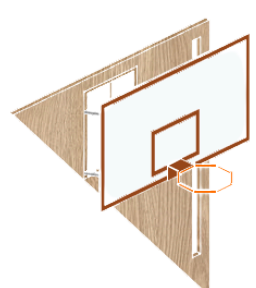
Set of nuts



Maze



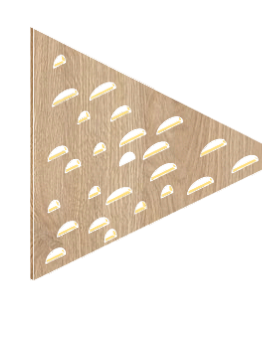
Sound keys



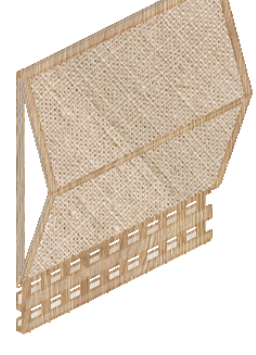
Basketball court



Blackboard

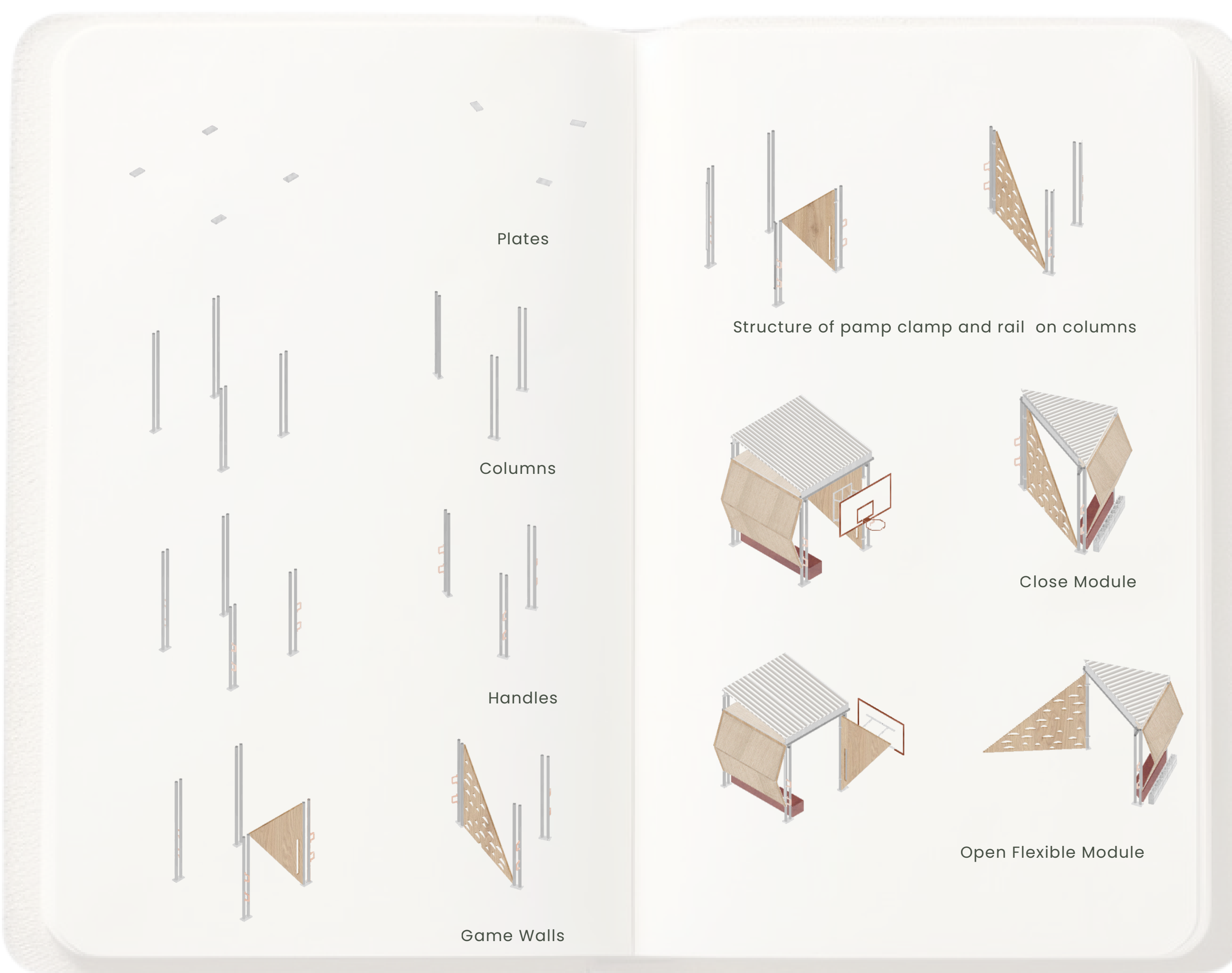


Climbing wall

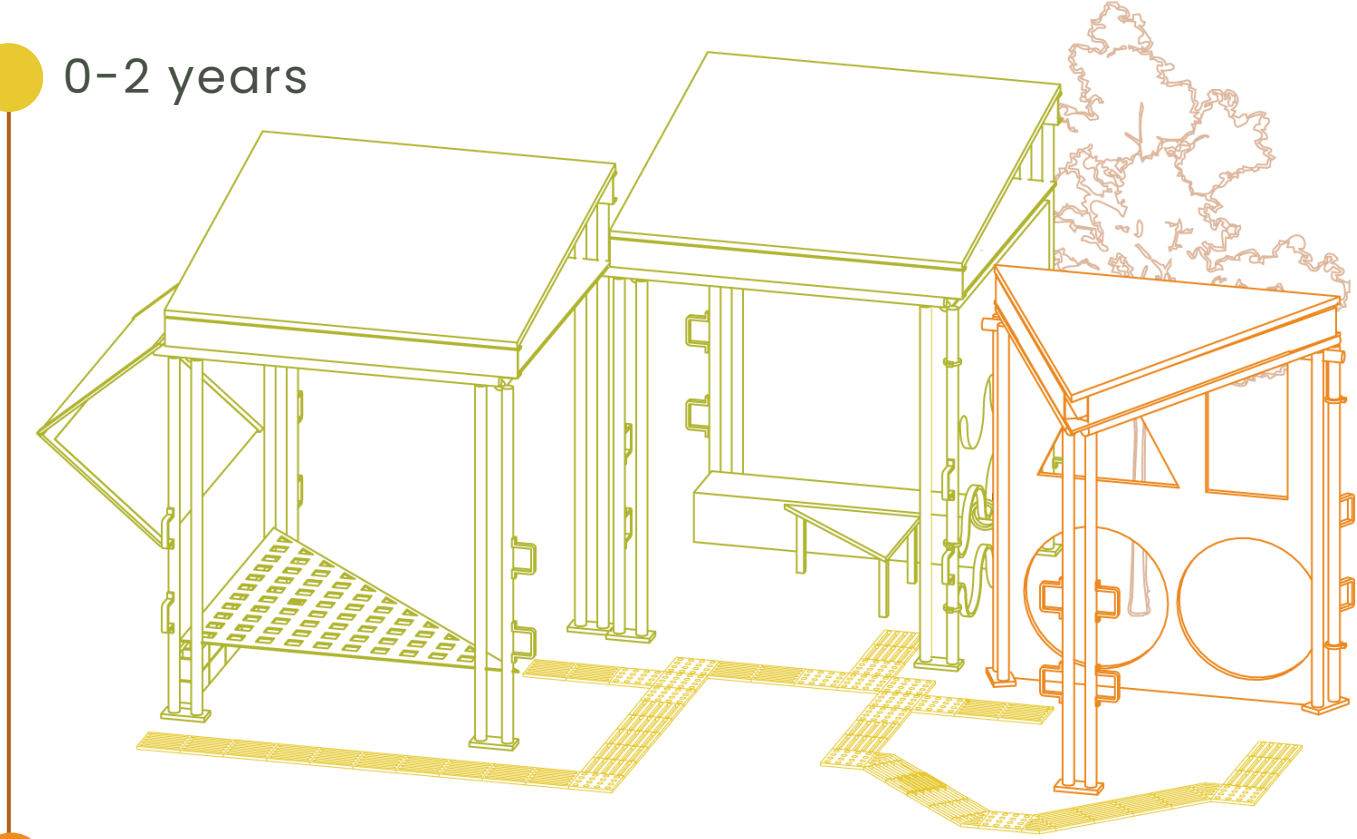


Planter and shade wall

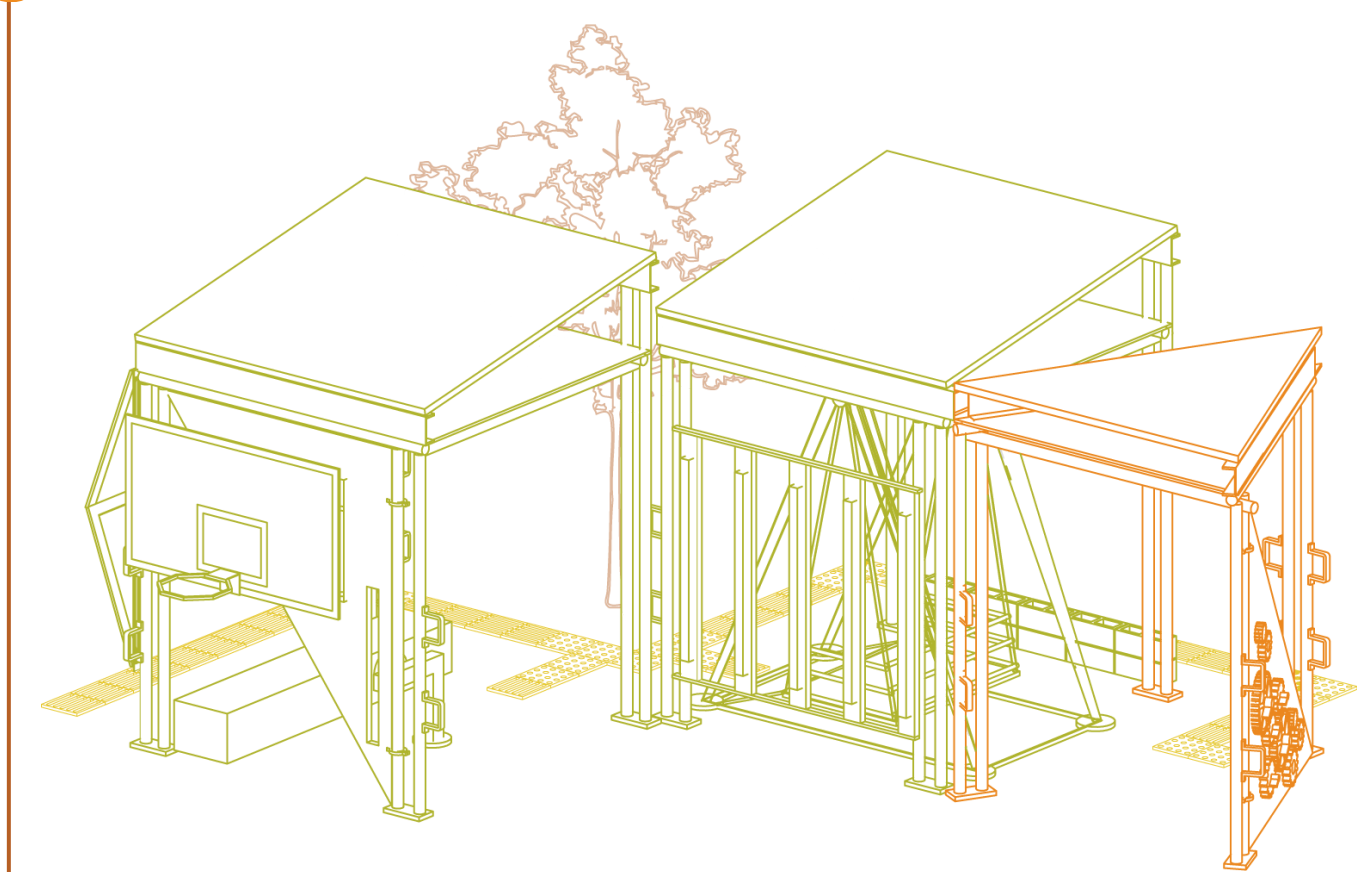
LET'S BUILD TOGETHER!



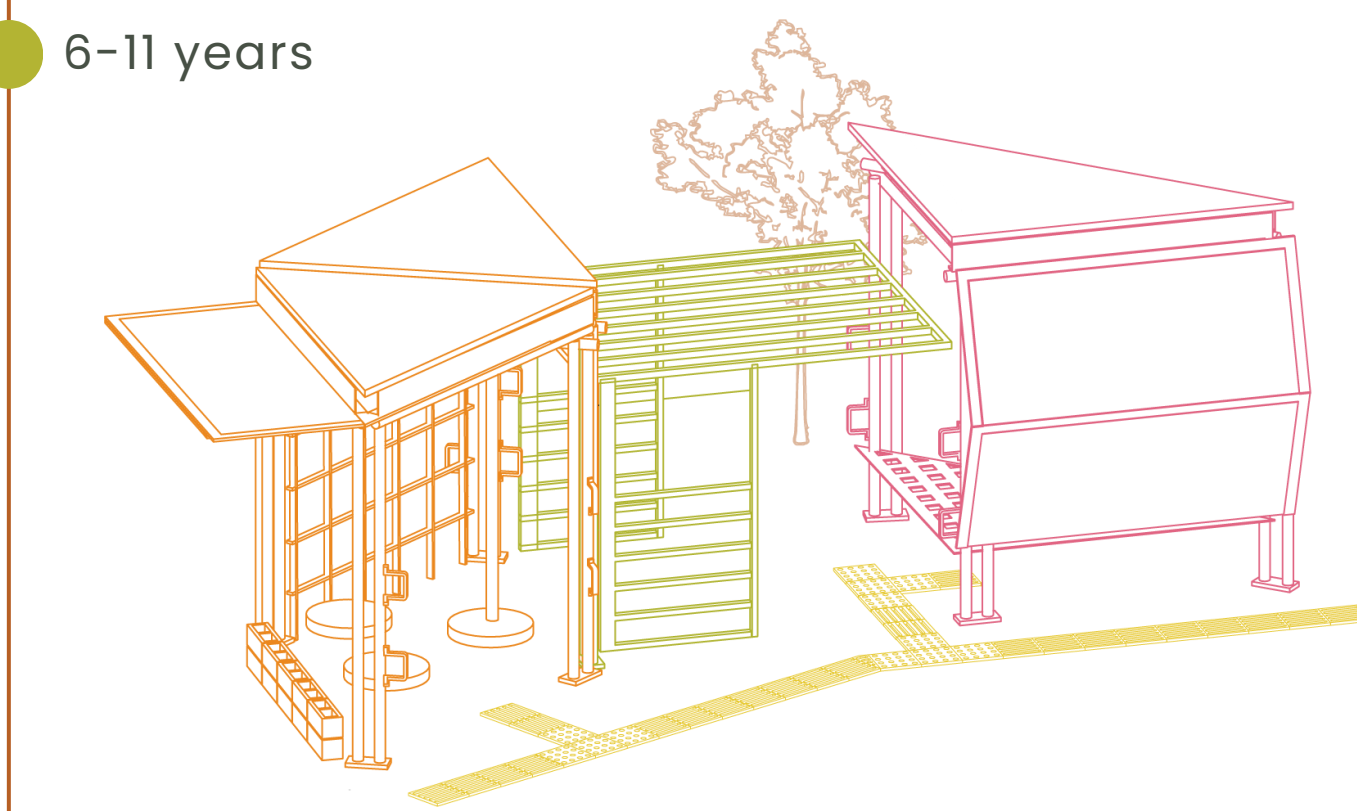
0-2 years



3-5 years



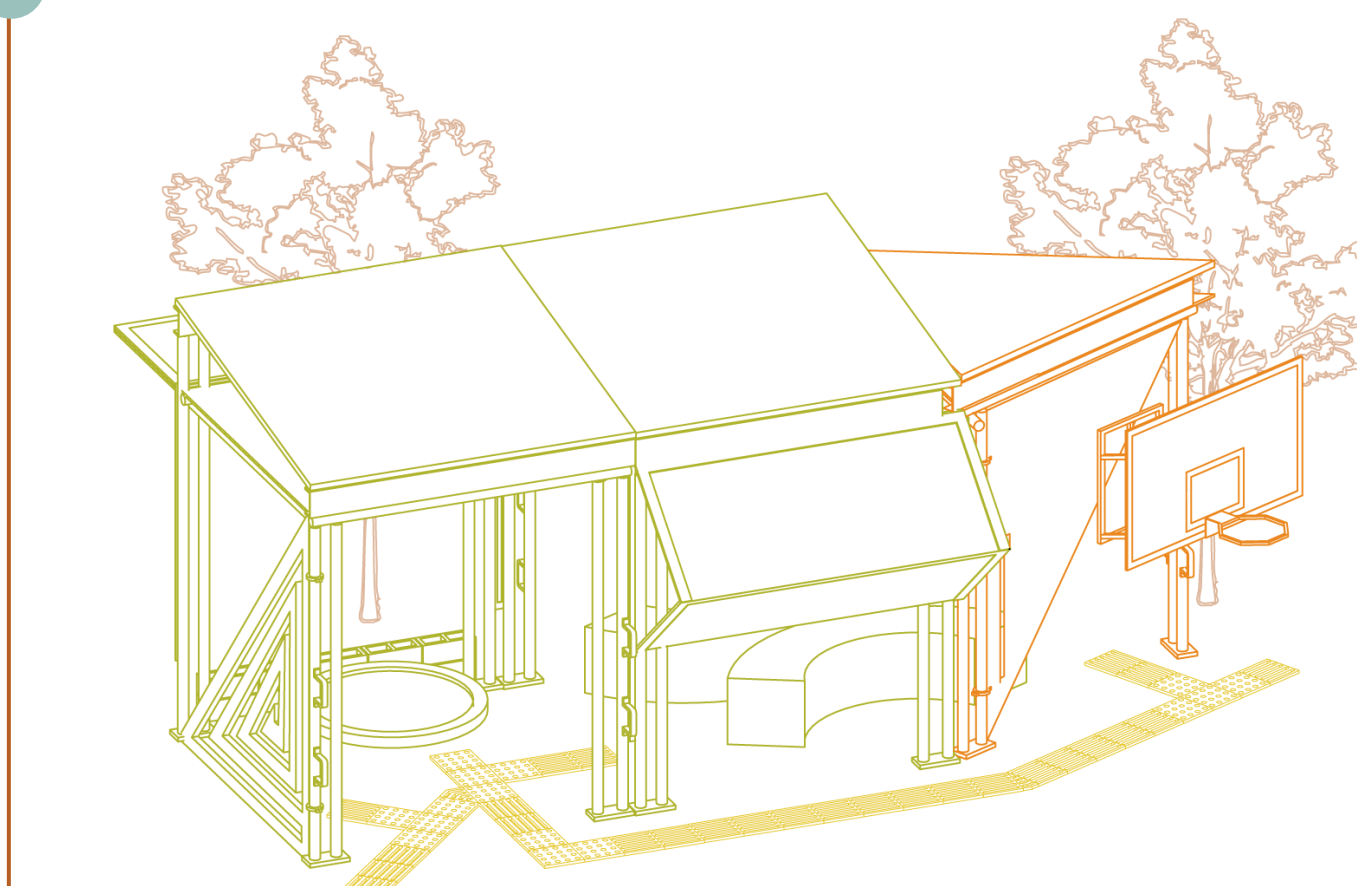
6-11 years



12-14 years



Accessible module



Individual module: 2.5 x 2.5 x 3m

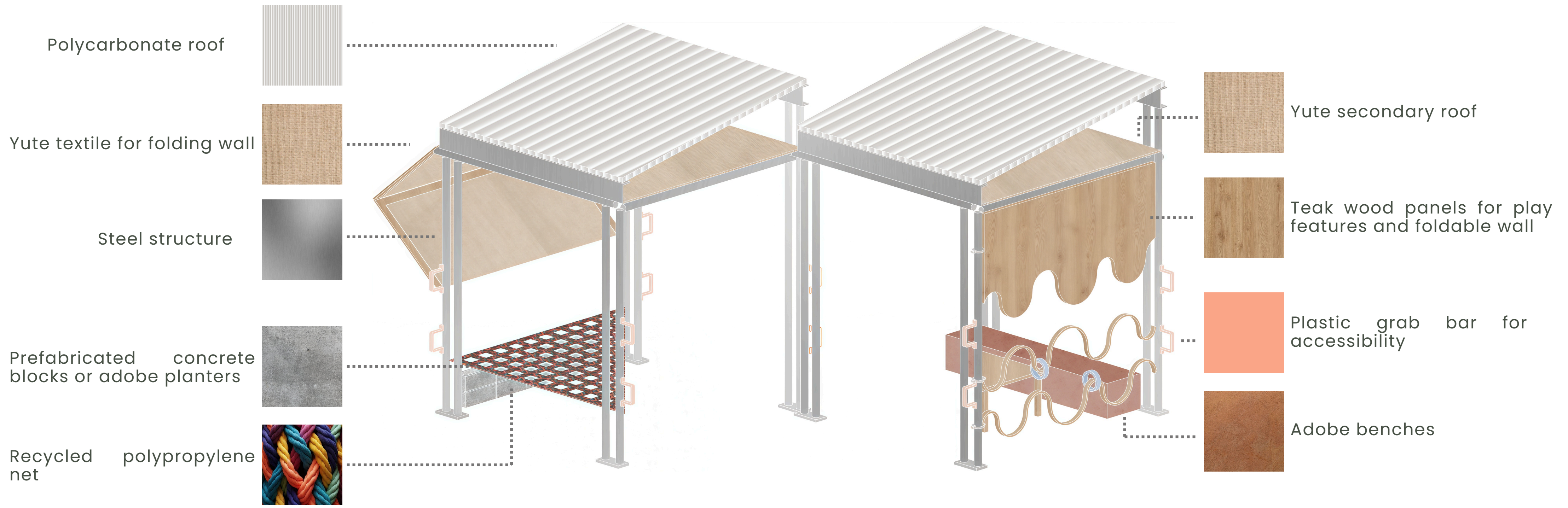
Set of three modules: 18.75 m²

Rubber flooring: Option for modules for ages 0-5

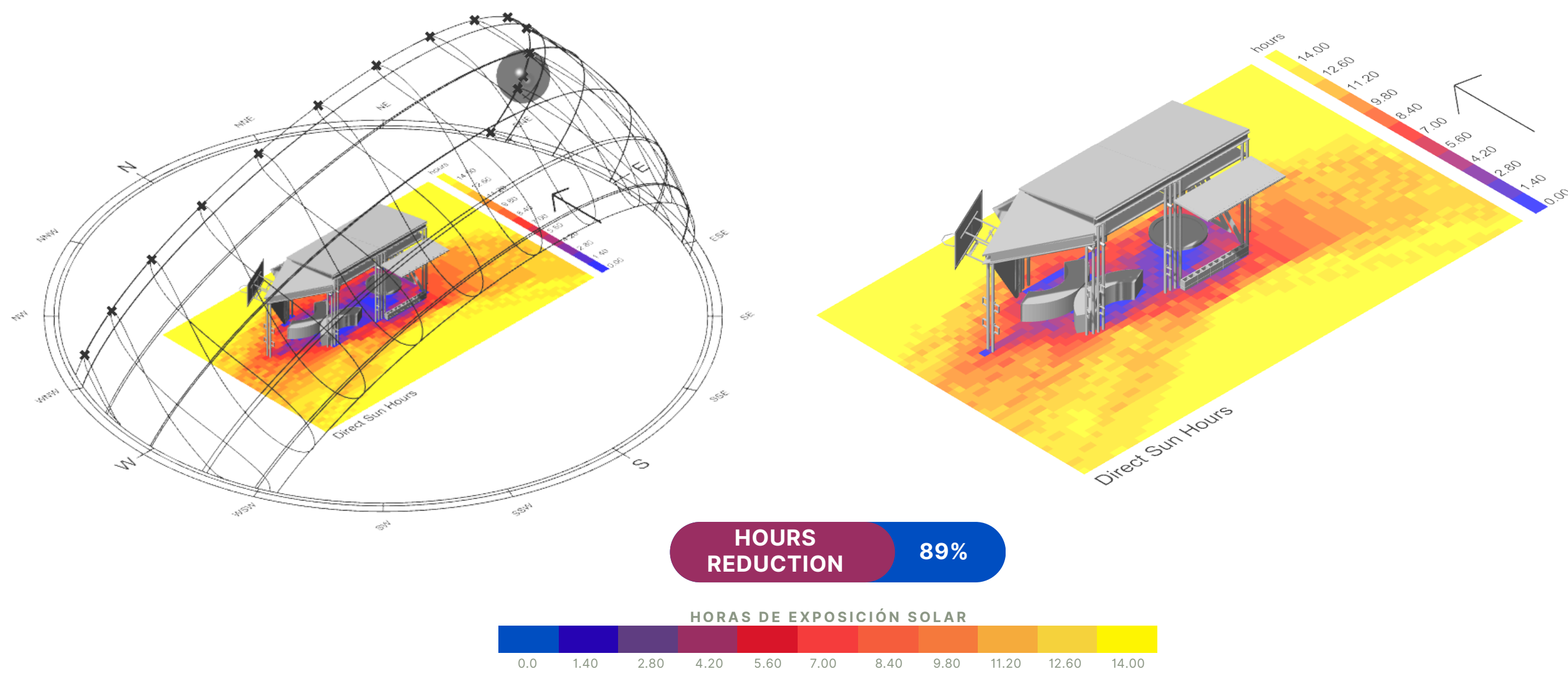
Tactile paving: Optional, for enhanced accessibility

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Materiality



Solar Analysis



GENERAL MATERIAL COST

Polycarbonate roof: \$384 MXN/m²
 Yute textile: \$47 MXN/ml
 Teak wood: \$1,315 MXN/m²
 The steel will be recycled or can be pushed columns: \$450 MXN
 Prefabricated concrete blocks: \$18.07 MXN per piece
 The polypropylene be recycled
 Plastic grab: \$375 MXN per piece
 Adobe: \$15.89 per piece

SPECIFIC COST OF A SINGLE MODULE

Polycarbonate roof: \$4,287 MXN / €210.99
 Yute textile: \$337.62 MXN / €16.62
 Steel structure: \$3,600 / €180
 Prefabricated concrete blocks: \$180.70 MXN / €8.89
 The polypropylene be recycled
 Plastic grab: 2,250 MXN / €110.73
 Adobe: \$445-\$1,120 MXN / €21.90-€55.12

Total cost of a single module: \$7,500.32-\$8,175.32 MXN
 €369.13-€402.35

Structural connections

