



UIA2020RIO

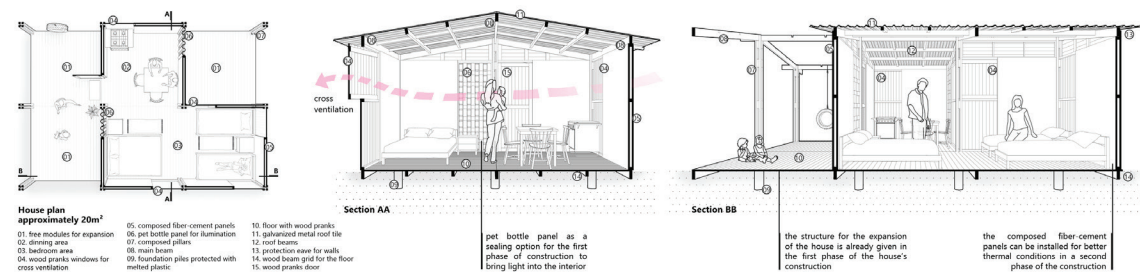
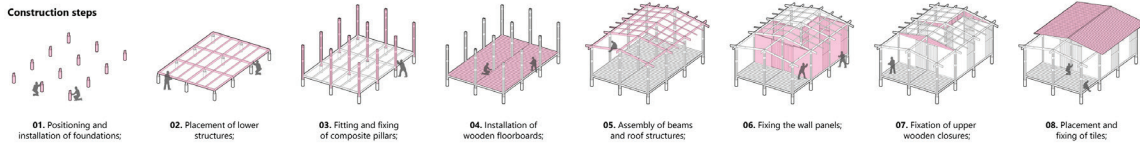
27th World Congress
of Architects

Project Name: Emergency Housing Mexico

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José Henrique Carrari Filho e Raissa Gattera Begiato

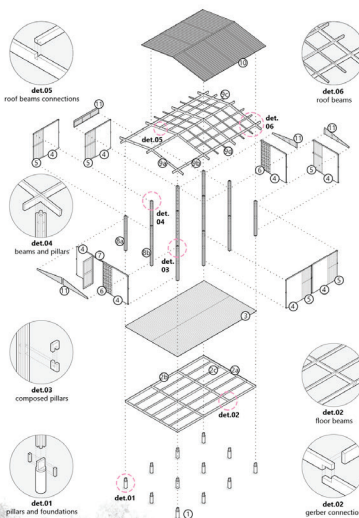
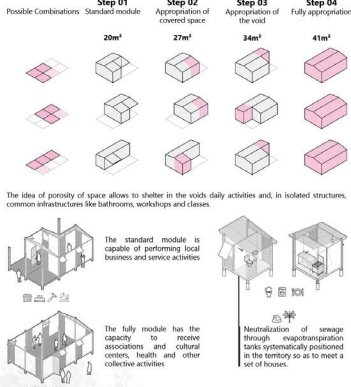
Country: Brazil

Construction steps



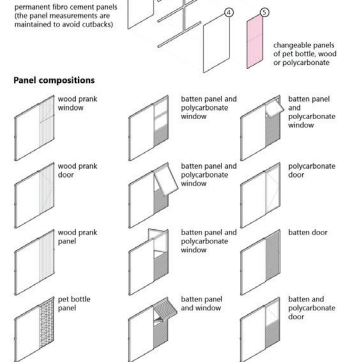
Standard housing unit

6 modules 2.6 x 2.6 m



Composed fiber-cement panels

permanent fiber cement panels (the panel measurements are maintained to avoid cutbacks)



Quantitative (for a 20m² house)

- 12 piles of foundations with melted plastic for protection
- 8 floor beams (2.65 x 0.15 x 0.05m)
- 9 floor beams (2.70 x 0.15 x 0.05m)
- 12 floor beams (2.65 x 0.10 x 0.05m)
- 41.50m² wood plank floor
- 4 fiber-cement panels (2.44 x 1.52m)
- 5 wood plank panels (2.44 x 0.92m)
- 2 pet bottle panels (2.44 x 0.92m)
- 7.1 wood plank door (2.44 x 0.92m)
- 4 composed pillars (1.40 x 0.15 x 0.05m)
- 9 roof beams (1.20 x 0.15 x 0.05m)
- 9 roof beams (1.05 x 0.15 x 0.05m)
- 8 roof beams (1.05 x 0.10 x 0.05m)
- 6 roof beams (1.25 x 0.05 x 0.05m)
- 39.40m² galvanized metal roof tile
- 11 superior wood plank panels
- 32 internal panels structure (2.45 x 0.05 x 0.05m)



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Architecture 21

