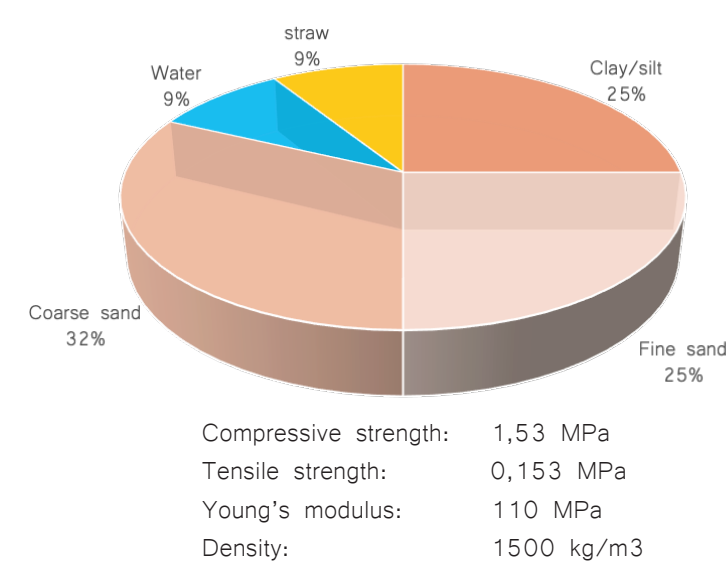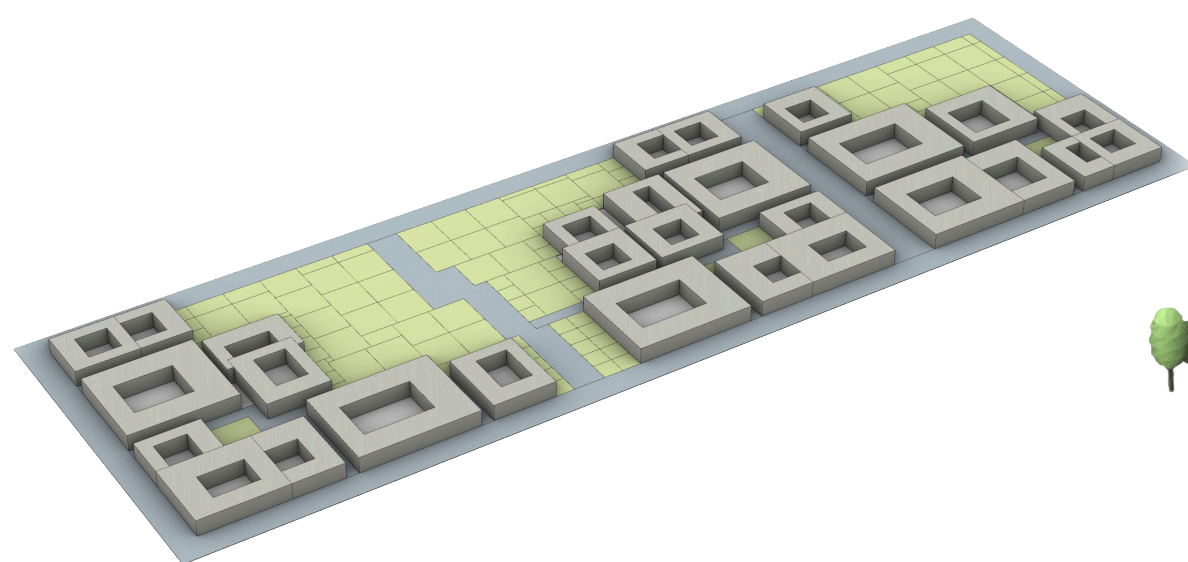# Terra Tetris

Terra Tetris is a system that accomodate communal housing in the Zaatari Refugeecamp by creating family dwellings and communal dwellings. It gives the opportunity to the camp dwellers to participate in the decision making and design of their houses and neighborhoods. Also, Terra Tetris make the dwellers think about the problem of housing at a system level instead of an individual level.

Terra Tetris consists of different scales. The smallest scale, scale 0, contains the material properties, construction and structure. Scale 1 shows the development of the units, tesselations and the kit of parts. The dwelling configuration was developed in scale 2 and the urban aggragation was created in the largest scale, scale 3.
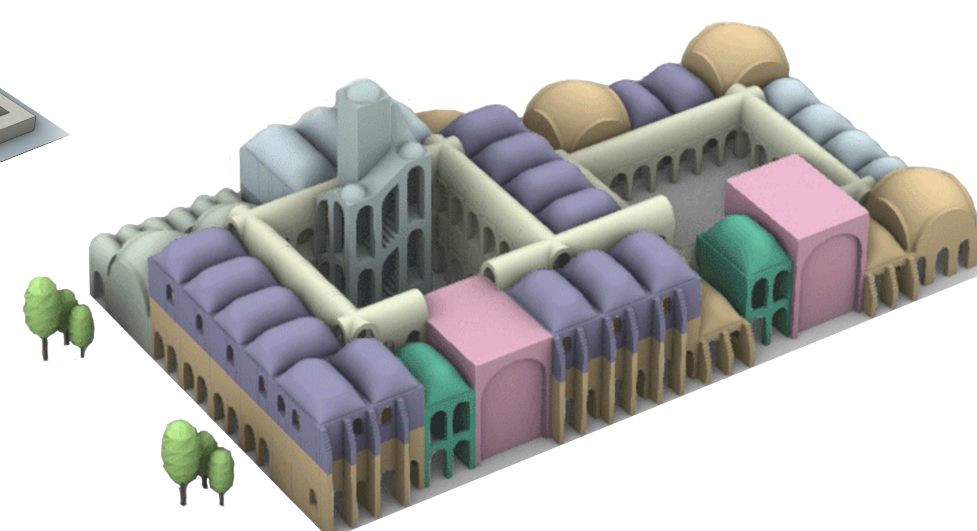
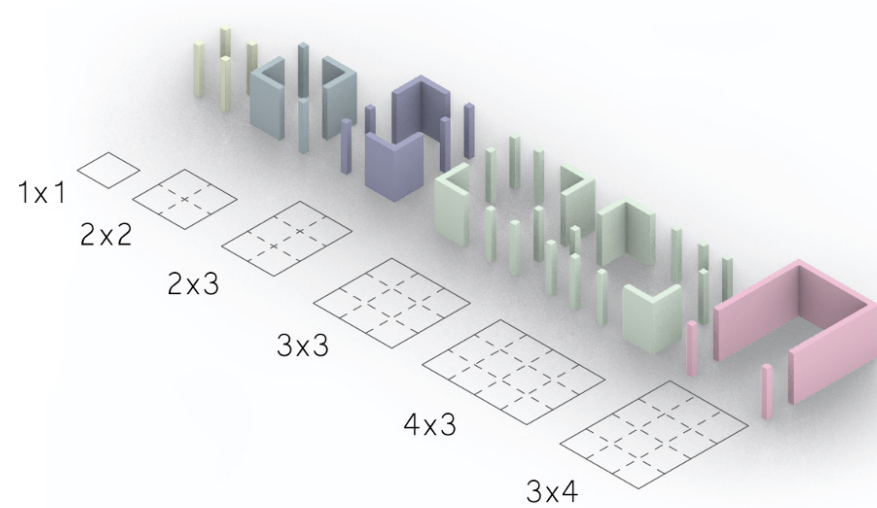All the scales work on feedback loops of each other to form an integrated tool.

SCALE 3 - URBAN AGGREGATION
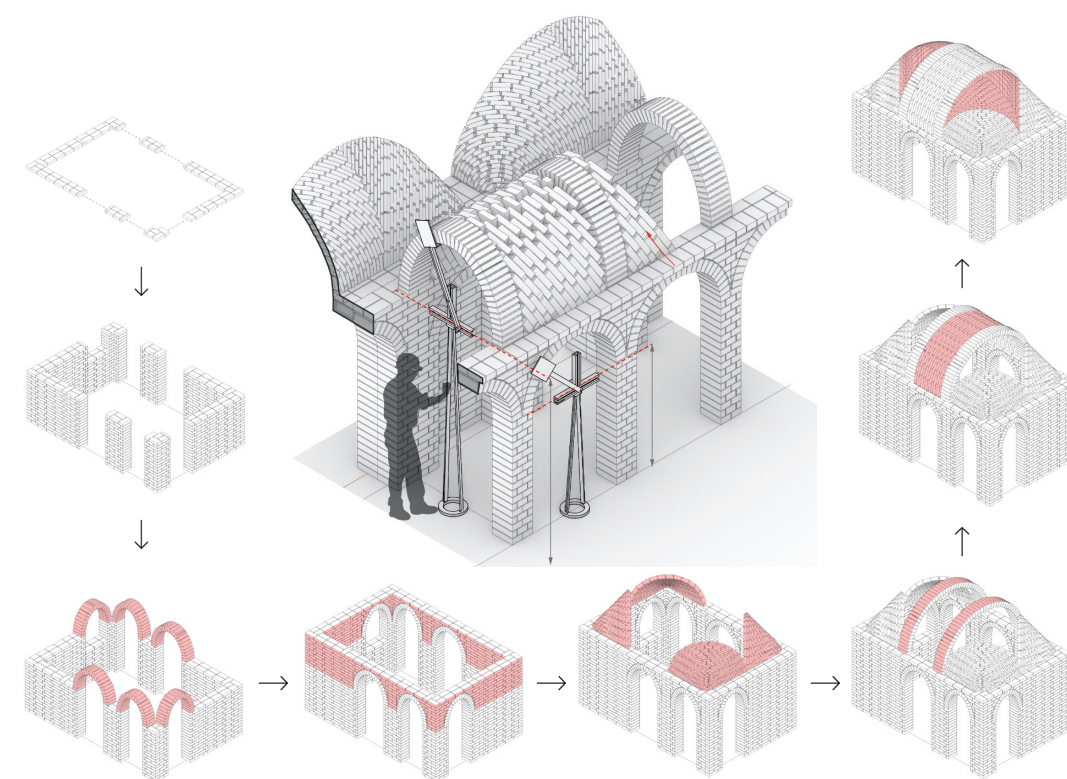

SCALE 2 - DWELLING CONFIGURATION

Compressive strength: 1,53 MPa
Tensile strength: 0,153 MPa
Young's modulus: 110 MPa
Density: 1500 kg/m3

MATERIAL PROPERTIES

1x1
2x2
2x3
3x3
4x3
3x4

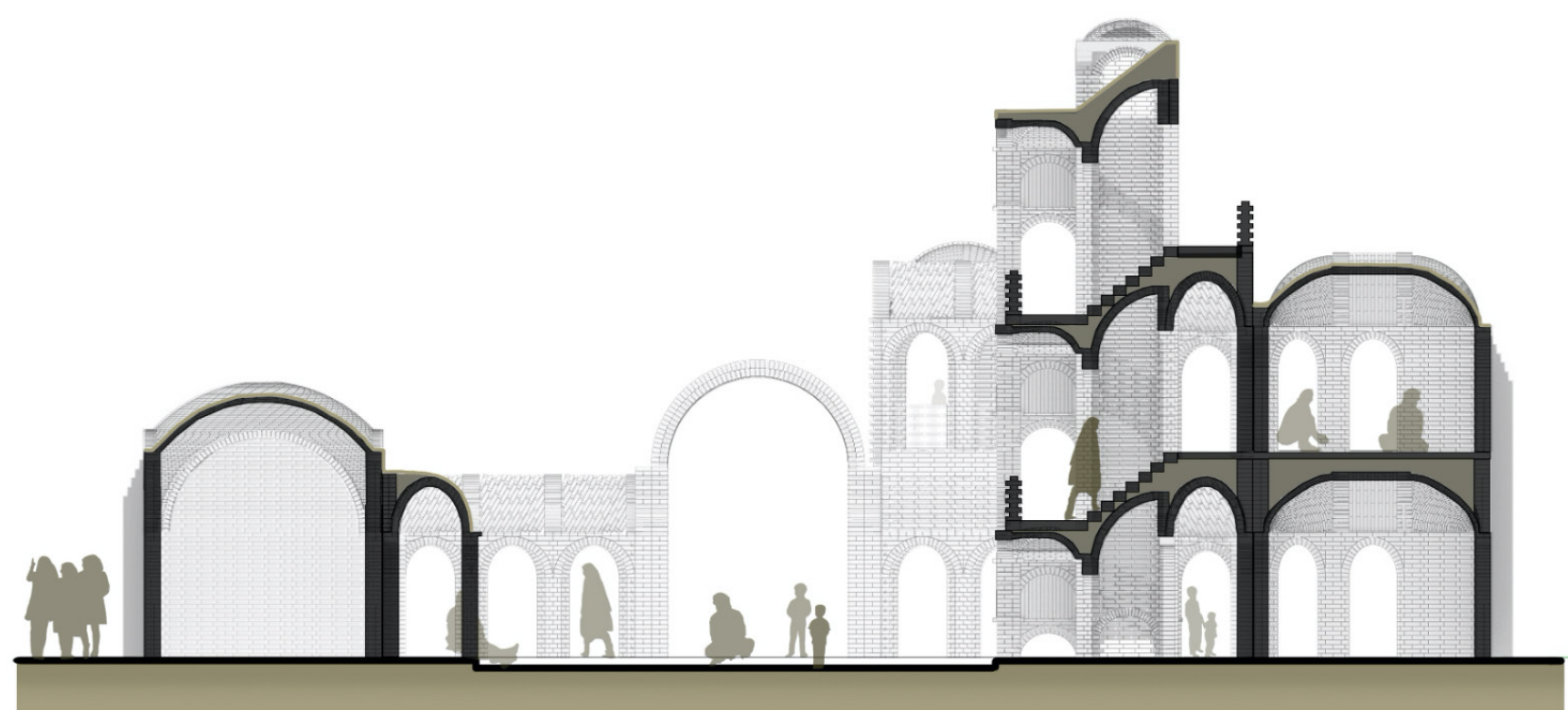SCALE 1 - UNIT DEVELOPMENT

SCALE 0 - CONSTRUCTION TECHNIQUE AND SEQUENCE
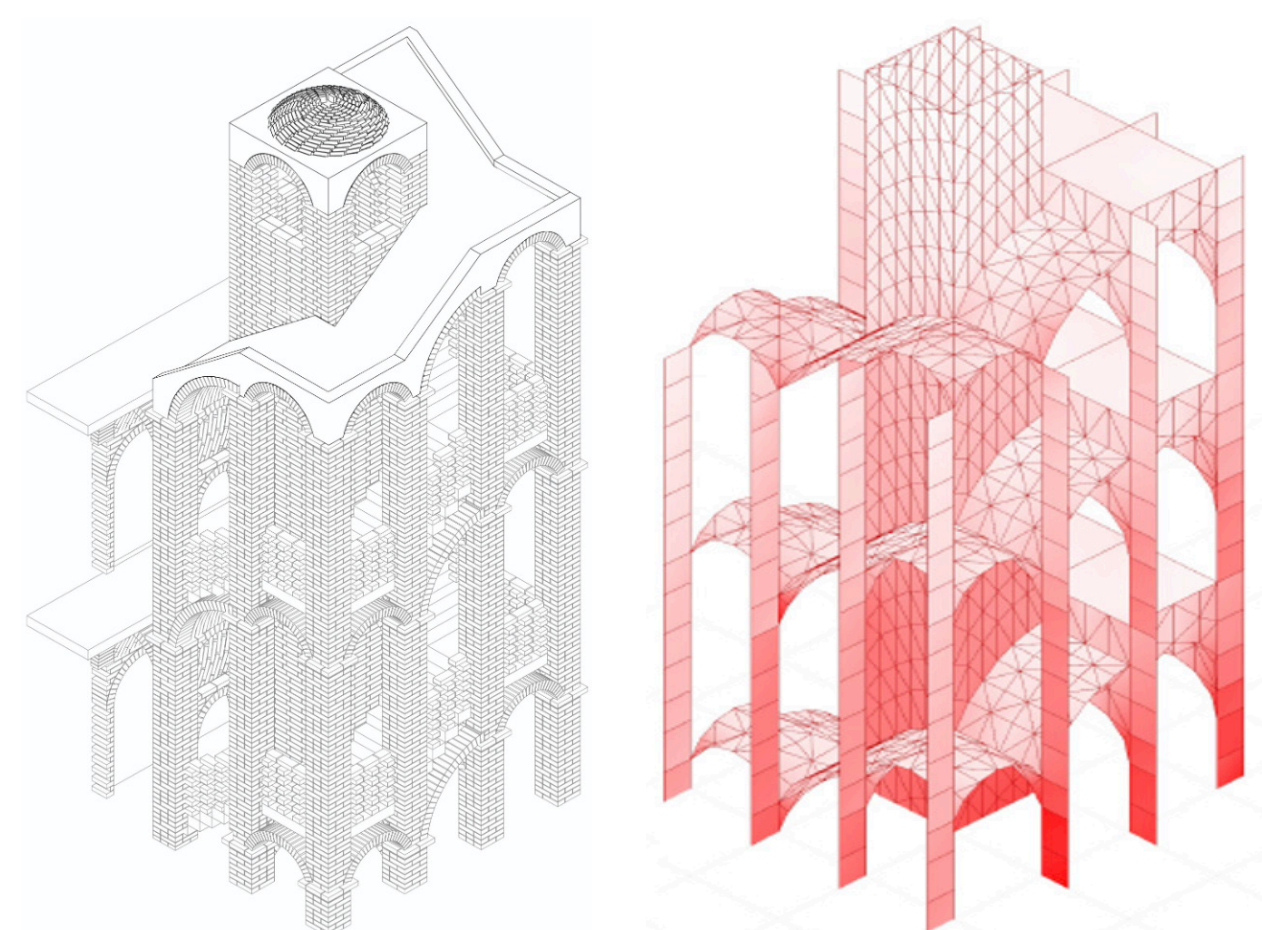
SECTION

ADOBE 2.0

STRUCTURAL ANALYSIS

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AR3B011 EARTHY

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