

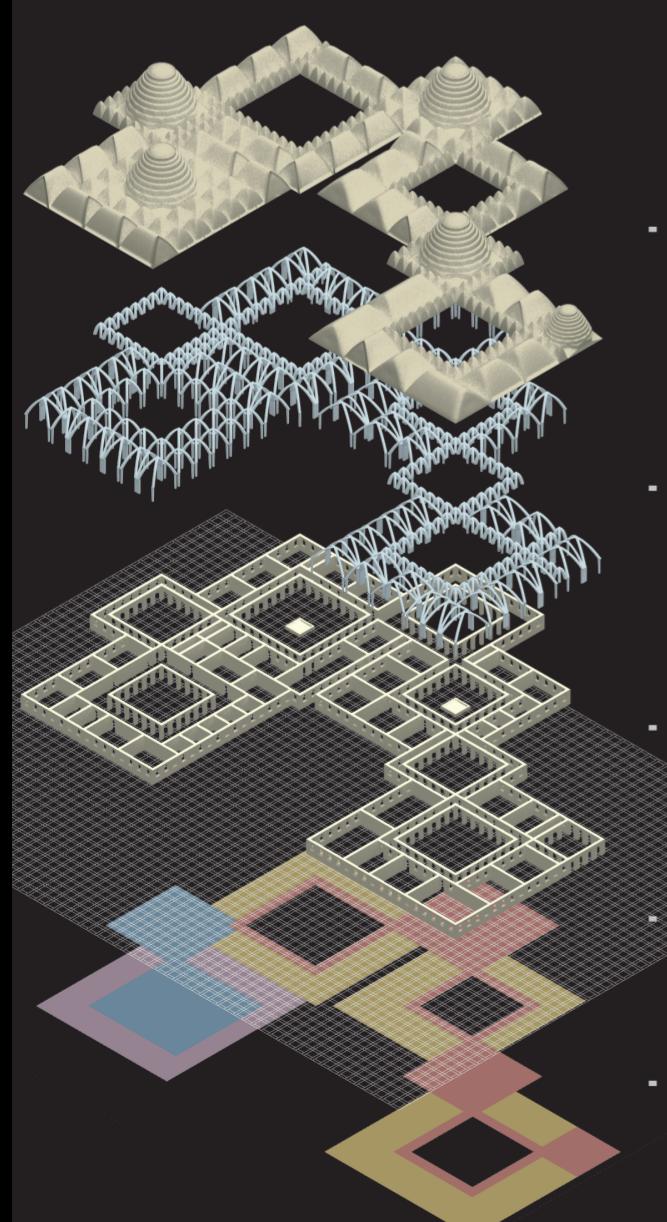
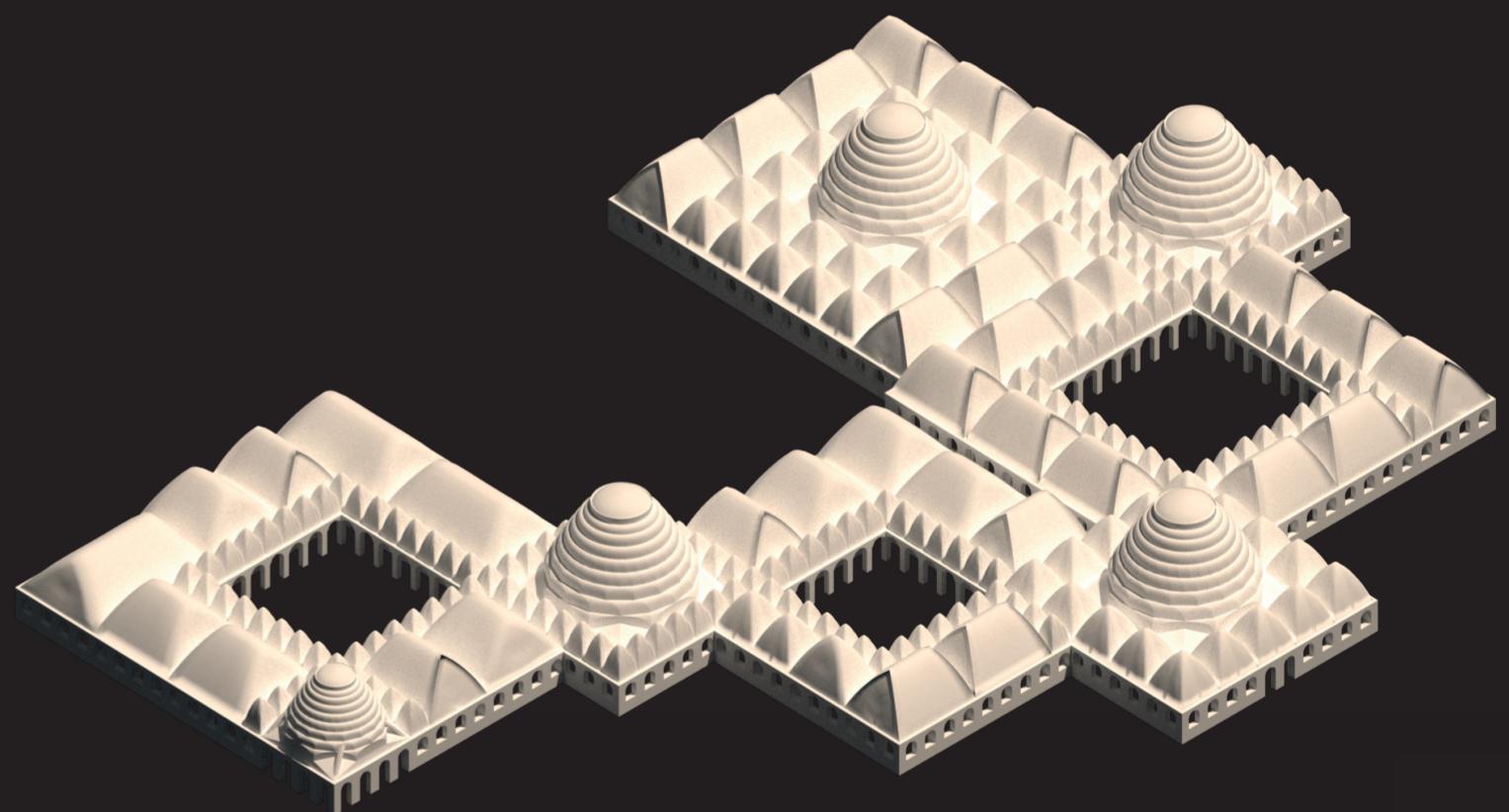


SHIFA'S MOSAICS

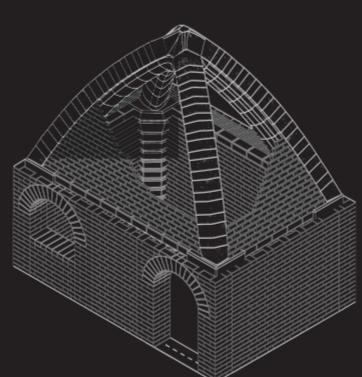
Shifa's Mosaic is a system that spatialise health and wellness centres with the goal to reduce mental stress, reduce physical pain and prevent illness. The project computes over 30 different functions to generate elegant layout. The process is supported by centralising all the data in a simple spreadsheet, maximising the future usage of the camp authority and local architects.

Shifa's Mosaic seek to find new approaches to generative design and earth block construction at all scales. At the block scale, the vaults have been developed to shift from a construction process to an assembly process. At a configuring scale, some problems such as the knapsack problem in the population of the courtyards and the implementation of IDs have been brought. Hidden corridors and a footprint scale are also new features brought to the open-source knowledge of earthy.

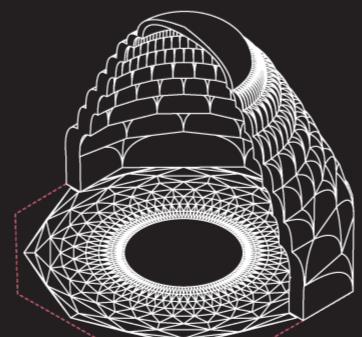
The scales impact each other at all levels and are reactive the main spreadsheet database.



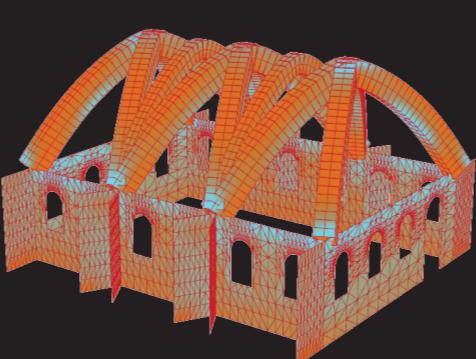
----- Muqarnas & filling



----- Ribs construction
Structural analysis



----- Wall placement



----- Brick and grid definition

----- Generated layout
ID 3222330

