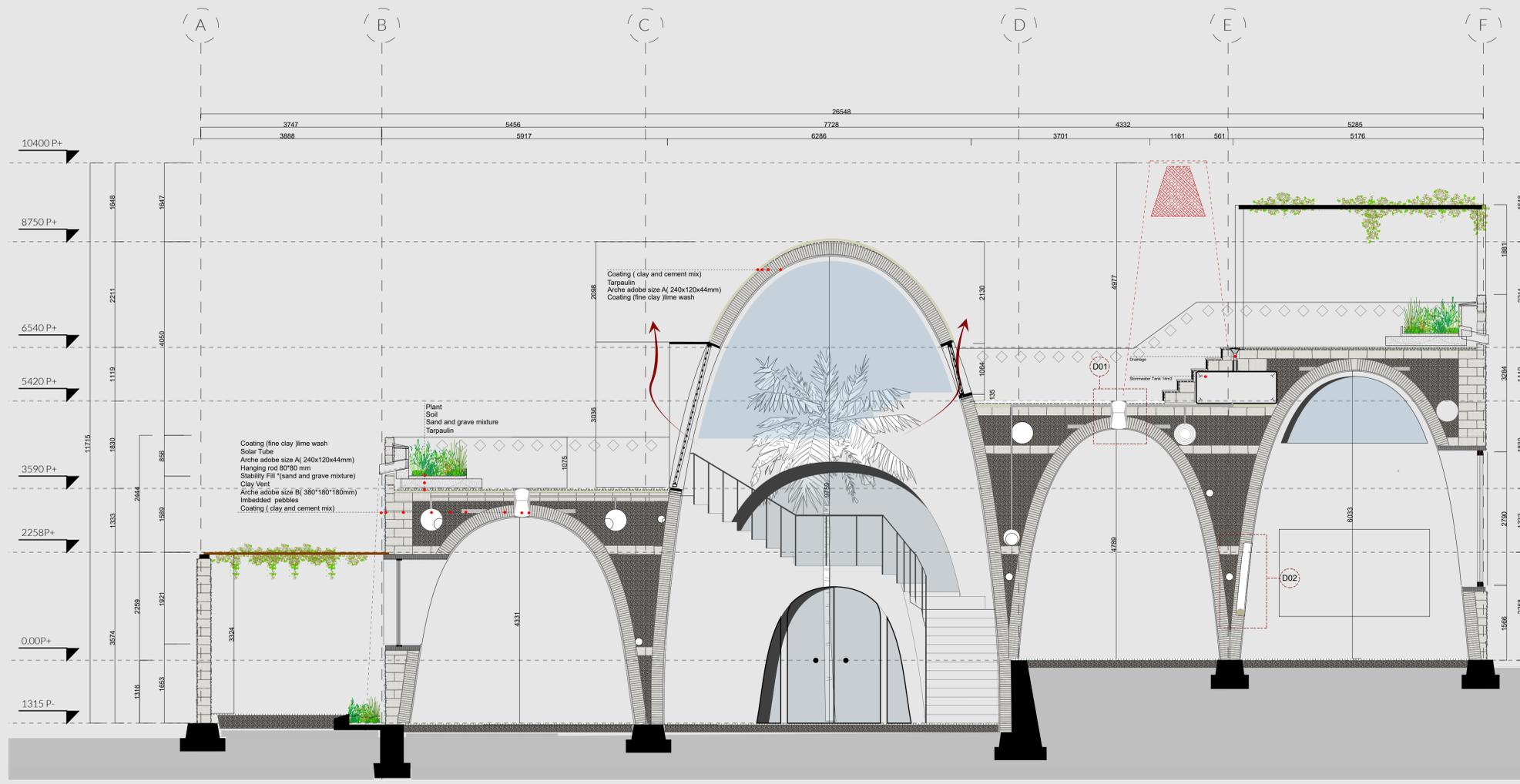
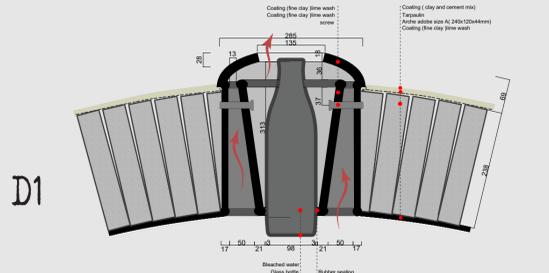
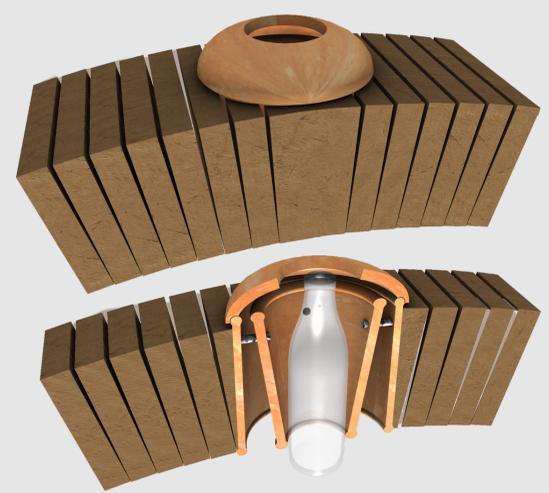
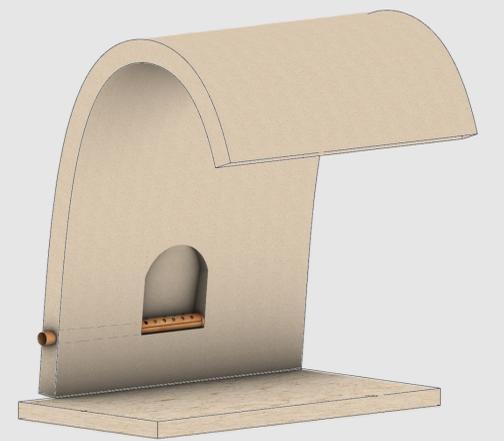


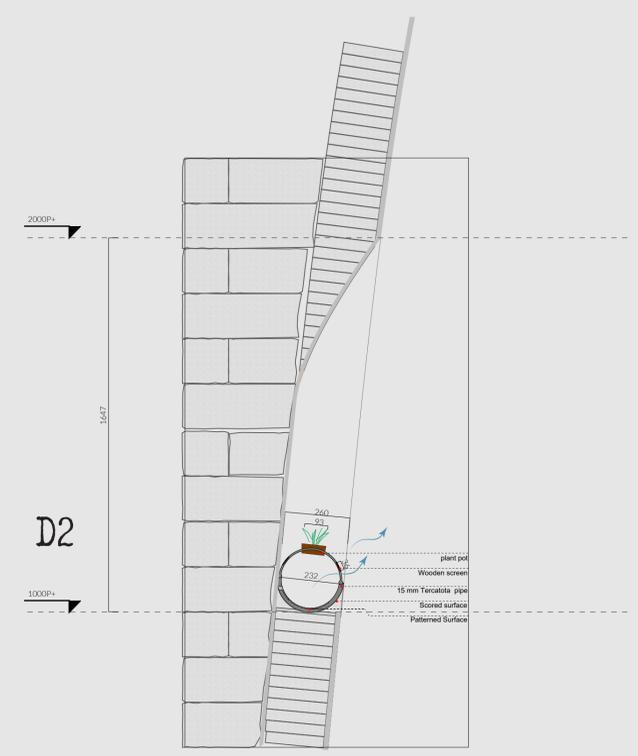
Al Raqqa CIVIC GENERATOR



Passive Ventilation vents (windcatchers) lead hot and dry air into terracotta pipes, the end part is equipped with a patterned inner surface for maximum evaporation, the surface is saturated with water from roof what stormwater tank, to evaporating into the rooms cooling the air and humidifying it at once



This low c solution for skylight (solar tube) is a placeholder for high-end one, the bleached water prevent modeling and scatter light more consistently,also this forms a protected outlet for hot air through the roof

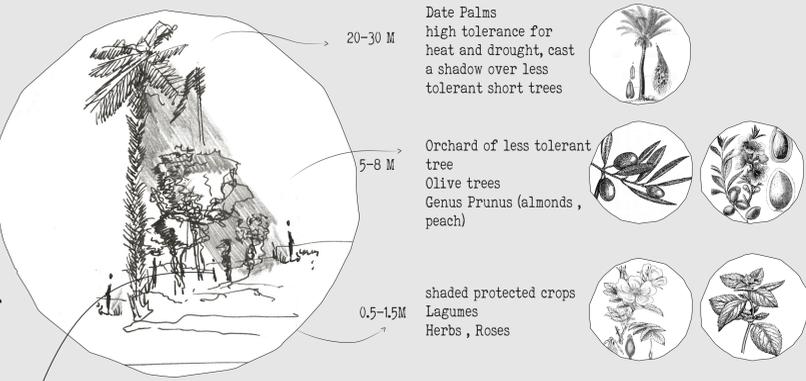


# AI-Raqqa CIVIC GENERATOR



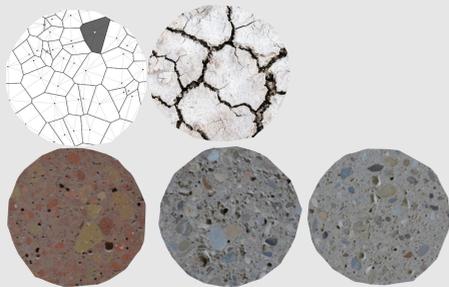
- Roof movement flow
- Escape routes
- External access to the roof

Polyculture farming in contrast to monocrop farming reduce stress and depletion of soil and allows for over the year use of the soil, additionally the multiple layers of shading help producing more vulnerable crops without losing water for evaporation

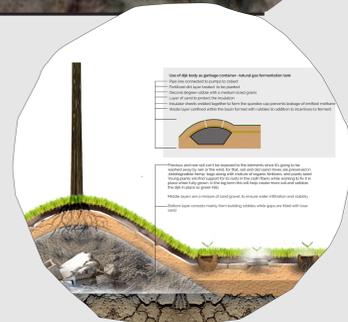


The color palette of the buildings are driven from the city close and far history

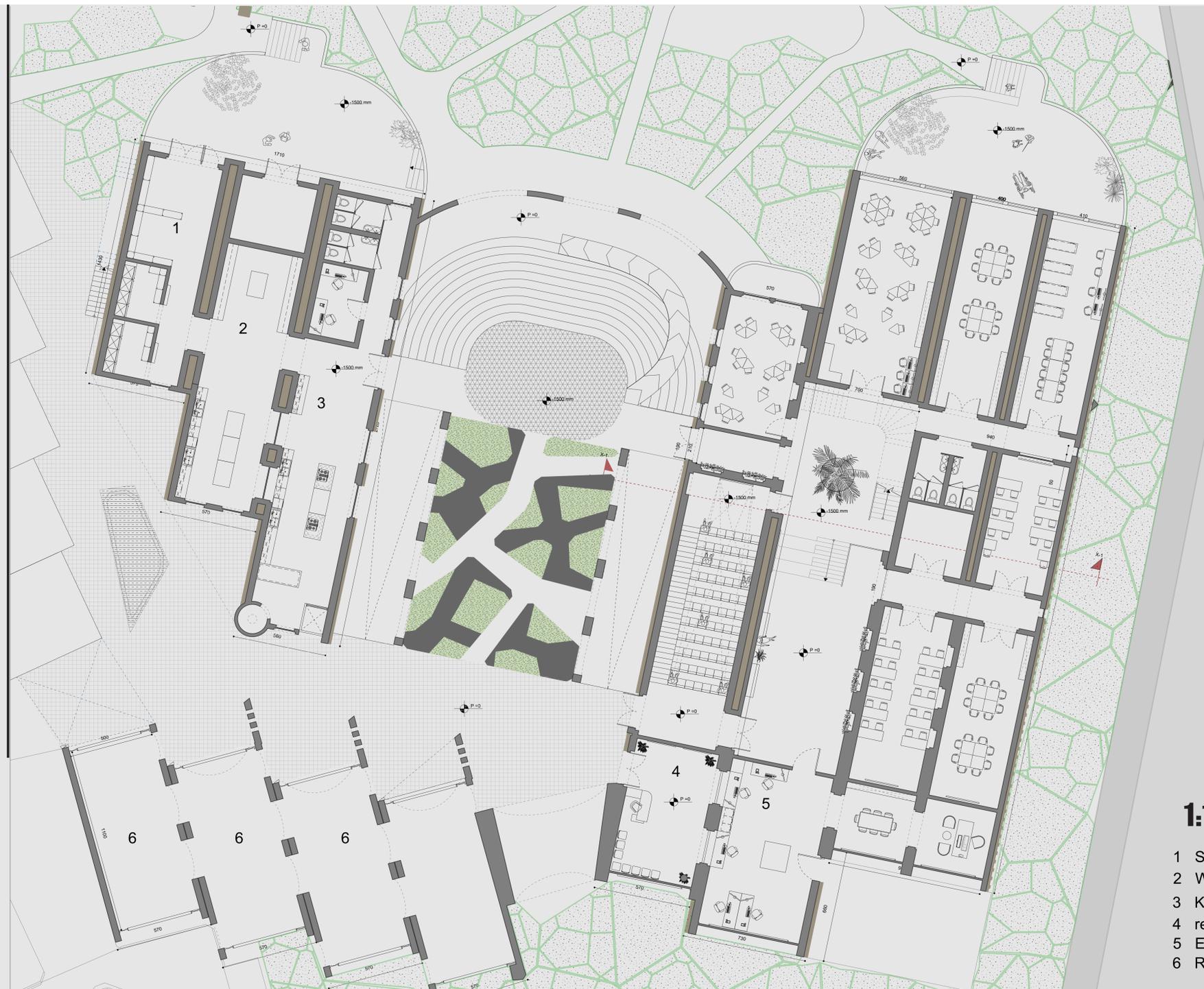
the public square and street tiles are made by compressing the debris of the site rubbles, resulting in unique and various colors from the different parts of destroyed buildings the Voronoi arrangement of the tiles is a practical way to use the available material regardless of form and shape, it can be seen as a link to the imagery of the dry land in a new perspective



Reuse the unrecycled remains of the rubbles in swamp part to create the new landscape



# AI-Raqqa CIVIC GENERATOR

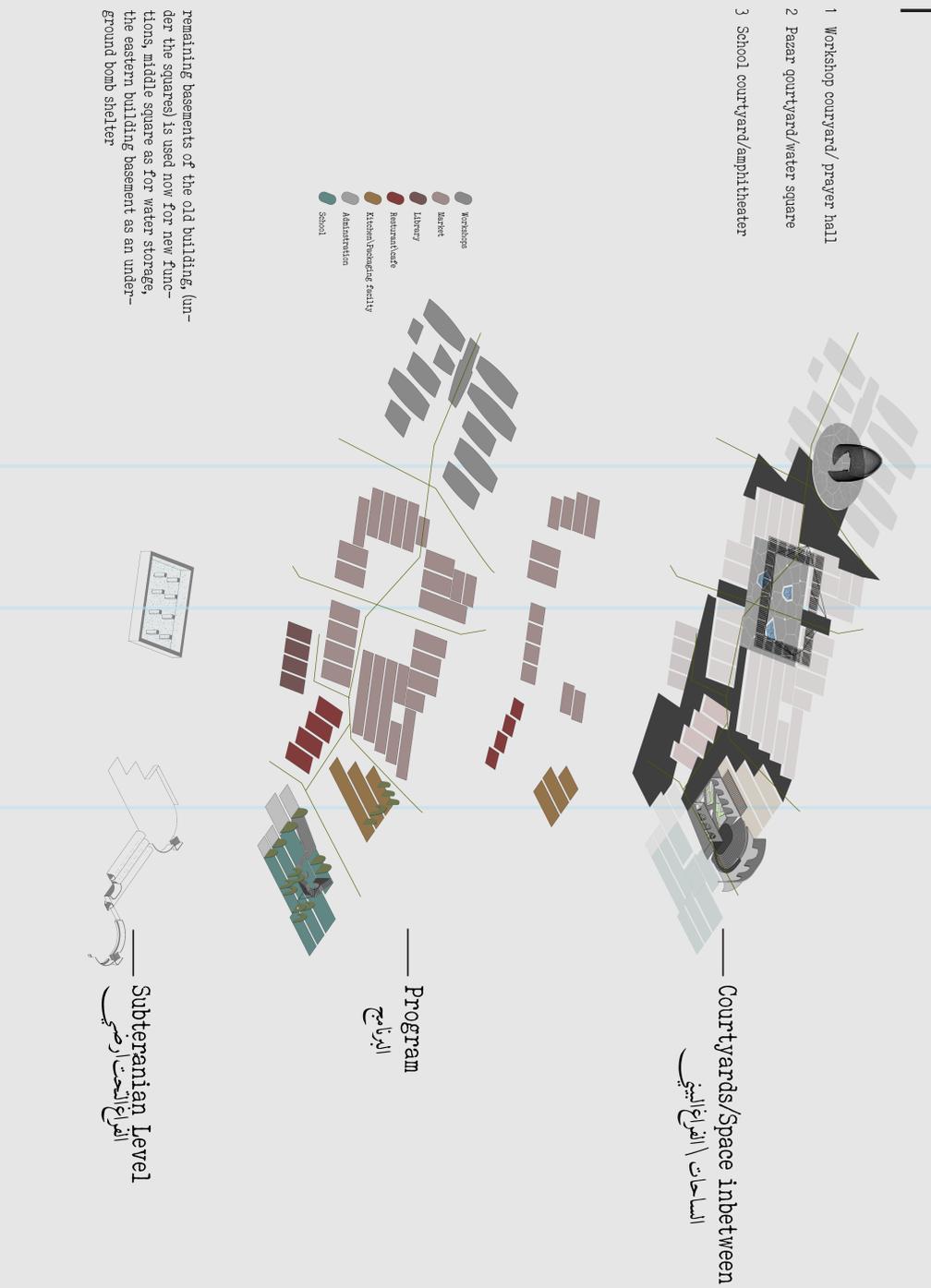


1:100



- 1 Storage / cold room
- 2 Wrapping
- 3 Kitchen
- 4 reception
- 5 Employees
- 6 Restaurant café

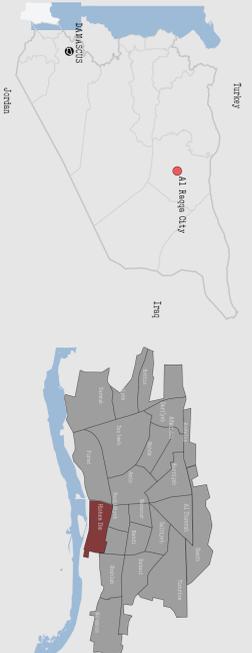
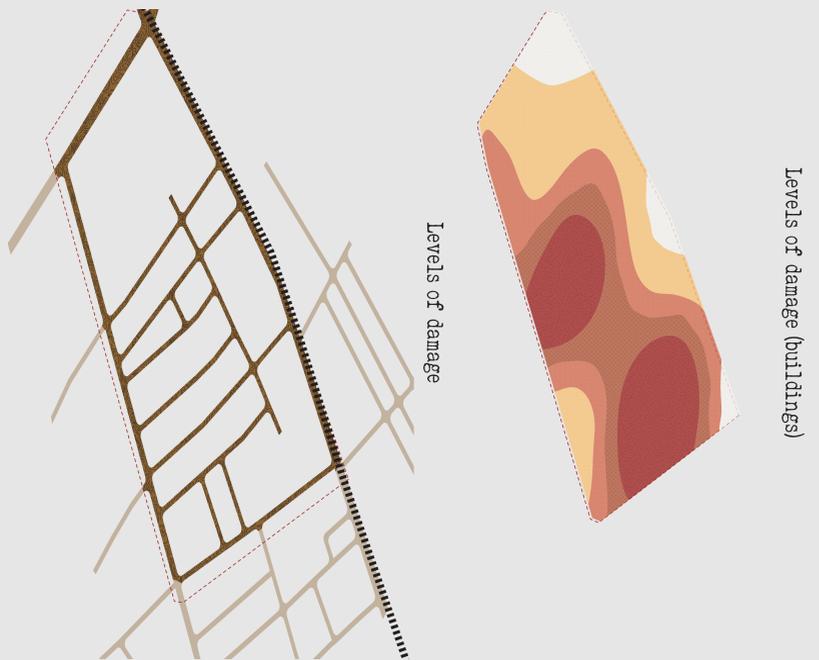
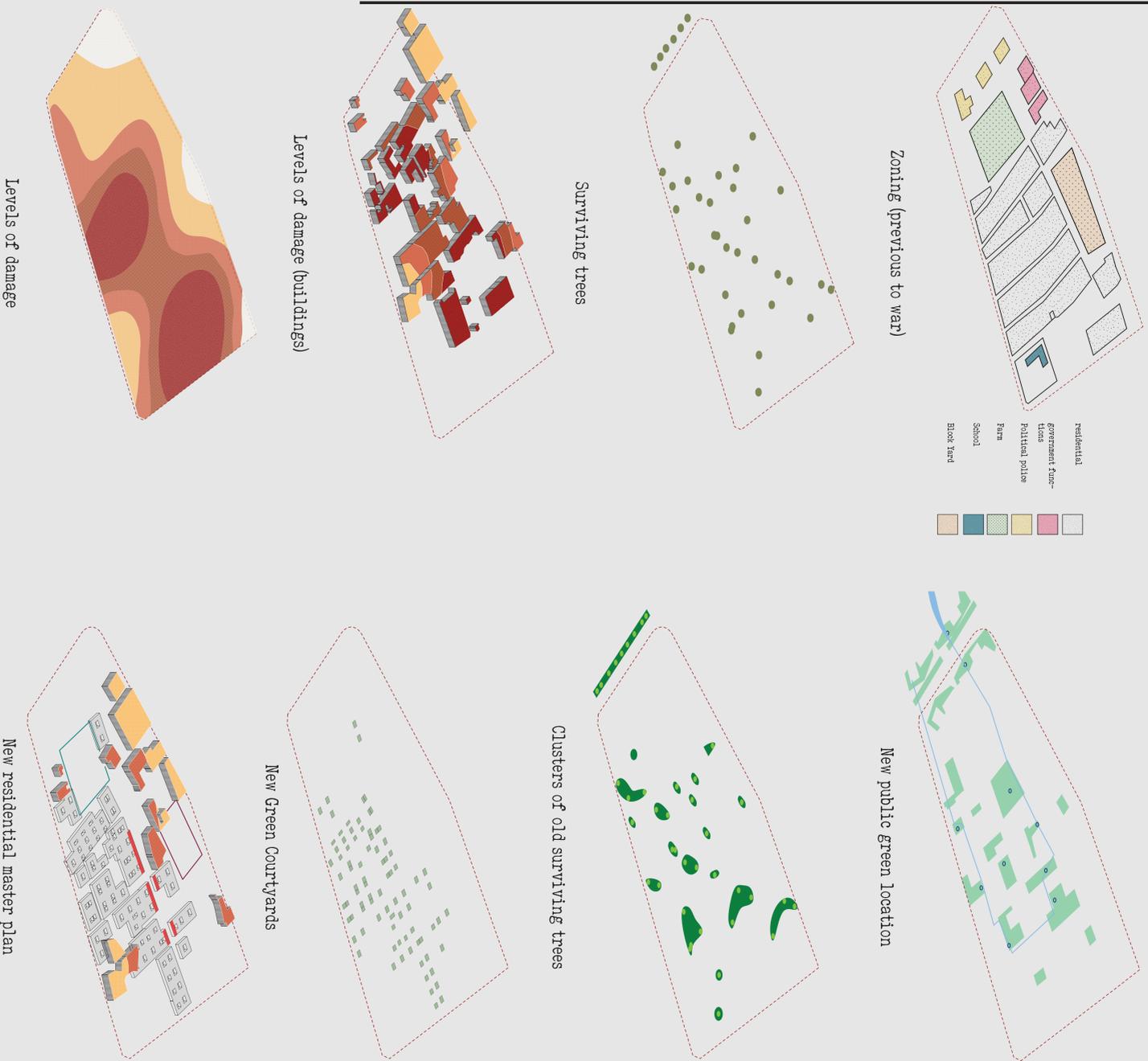
# Al-Raqqa CIVIC GENERATOR



## Urban Condition



## Urban Intervention



### ACT I

Clearing out the rubble as the first step. Circa 2000 people have returned to Raqqa now 80% of the total pre-war population) and are trying individually, or in small groups to clear out the rubble and secure shelters at the location of their old houses.

### CLEANUP



### OCCUPY

Residents of the first camps at the site will participate collectively in building the first vaults, only to move to it then and have a few waves of people in the tents, doubling the capacity of construction.



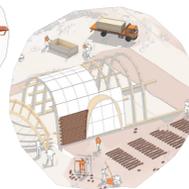
### RECYCLE

Concrete rubble is transferable into blocks to be used for foundations.



Compressed earth block using low tech block press can reduce their water content by over 90% in the brick compared to traditional hand molding resulting in way faster drying and more predictable results.

### BUILDUP



### SIMPLE AND EFFECTIVE

The template is collapsible with easy low maintenance hinge to remove after locking the vault and reuse it to build the next one



Only 1X unique elements to construct the template making it easy to reproduce with low tech tools available at the site

### ACT III

People are settled and rested in the building, plans to expand the operation toward the rebuilding the neighborhood are being shaped.

### REUSE

The highly reinforced surviving basement of the previous buildings will be used for water storage under the square

### PROTEST

Protests cannot be quarantined in these squares, as the escape routes can give a chance to scatter and regroup in the fortress-like building

### ACT IV

People are moving back gradually to their houses (the rest of the block), the market hall activities are expanding

### GROW YOUR FOOD

In between, places are used protected and shared spaces for social activism and urban gardening



Residents grow their vegetables near the rubble -Aleppo, Syria April 22, 2016.

### EXPRESS

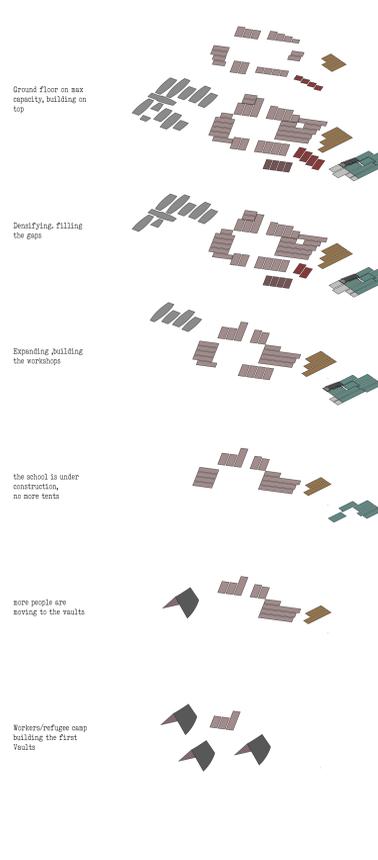
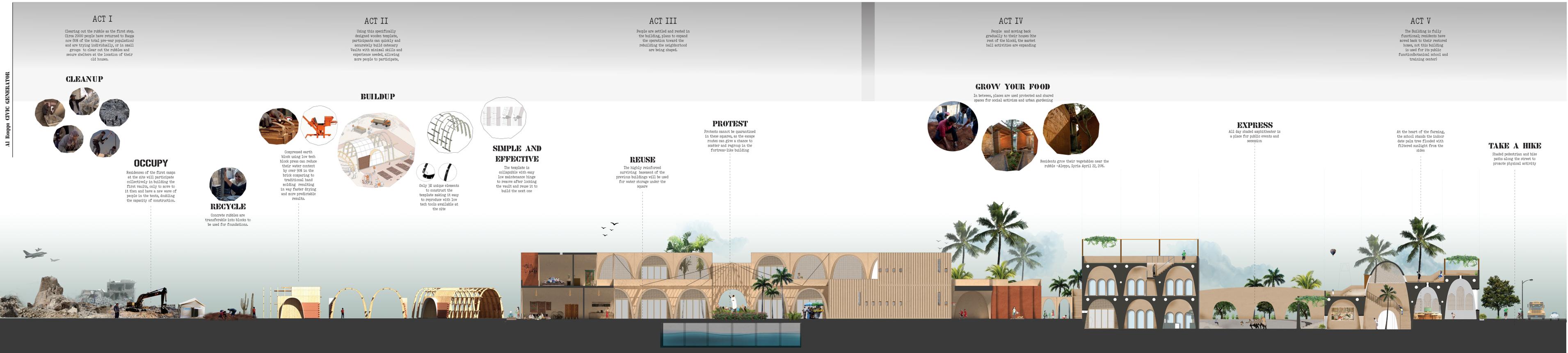
All day shaded amphitheater is a place for public events and secession

### ACT V

The Building is fully functional; residents have moved back to their restored homes, not this building is used for its public function (botanical school and training center)

### TAKE A HIKE

Shaded pedestrian and bike paths along the street to promote physical activity



Ground floor on max capacity, building on top

Identifying, filling the gaps

Expanding, building the workshops

the school is under construction, no more tents

some people are moving to the vaults

Waters/refugee camp building the first vaults