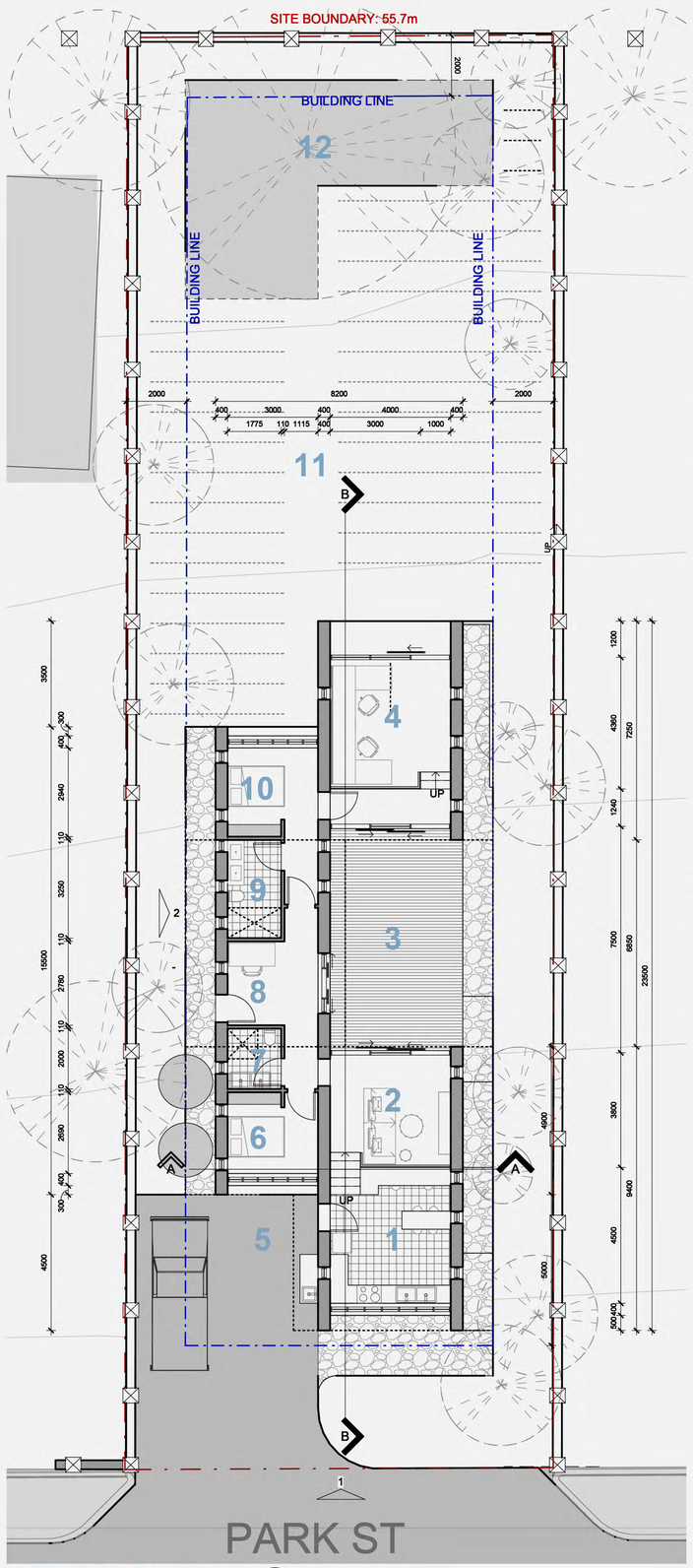
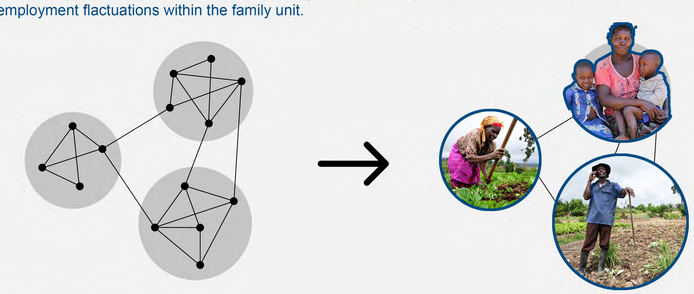
HOUSE KUMBA

2020_217_MBIRE_PANEL 2



Ground Floor Plan
1:100 on A1

FOOD GARDEN
2020's Covidscape has indicated a great need to improve communal resiliance as lockdown measures have proven to affect long distance trade/imports/exports. It is therefore vital to ensure urban residences practice a diverse urban farming across neighbours to ensure at the very least, fresh produce will be secured regardless of any lockdown measures. This strategy also greatly decreases the contact points food would currently undergo to reach our tables. Barrel Vault roof across scheme redirects collected water to JoJo tanks and used in the food garden. **Urban farming** is already popular within **Harare**, this intervention focuses this strategy to encourage a greater participation between residents. In phase 2 of construction an air b'n'b guest house may be introduced to facilitate extra income in the case of employment flactuations within the family unit.



ENTRANCE COURTYARD
The circulation diagram below(**figure 1**) indicates the main movement routes of the scheme leading up to the Entrance courtyard. At this convergance point each arriving occupant is able to clearly asses the location of a potentialy 'Self Isolating family member and continue accordingly. The courtyard act as a isolation buffer zone or threshold that maintains interaction between occupants in a safe way as well as creates a recreational node that encourages users to excercise. If the scheme were adopted and mirrored the courtyard would also facilitate an interaction between neighbours with the central boundary promoting social distancing as shown in **figure 2**.

FIGURE 1

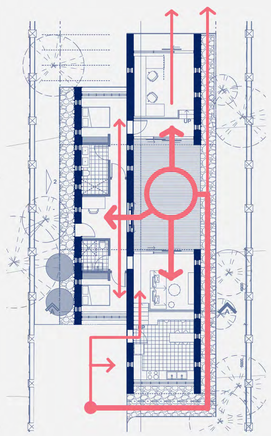
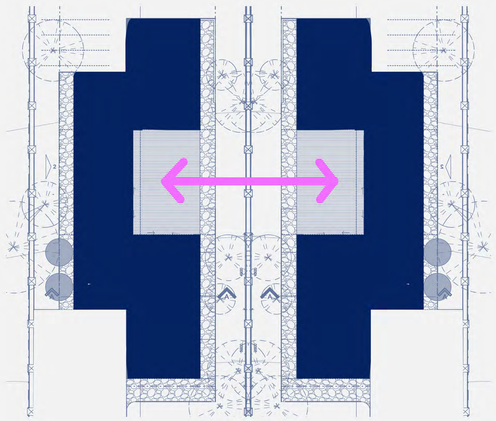


FIGURE 2

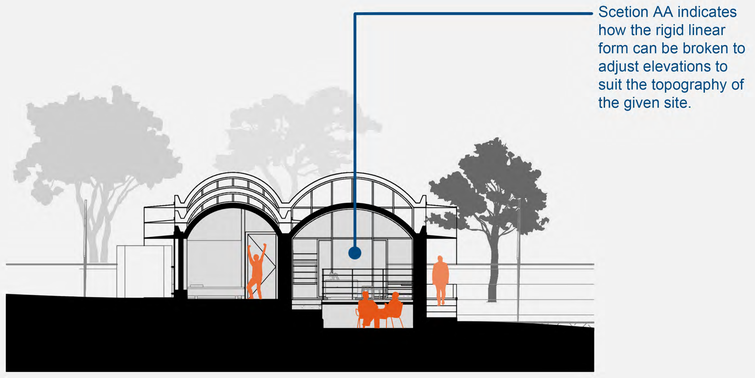


GROUND FLOOR
The floor plan strategy is to make use of the rigid linear layout of the above barrel vault roofing, to ensure large amounts of north and south light in the living spaces of the scheme, this strategy also creates an opportunity for cross ventilation to permeate the rooms - particular emphasis is put on this as an abundance of Vitamin D and air circulation is vital for combating Corona viruses as stipulated by the **WHO**. Second is to have multiple entrances to each public space within the residence, this creates alternative movement routes in the case that one family member is self isolating. These multiple entrances become motivation to encourage occupants to regularly step outside and potentially excercise. The front entrance facilitates delivery drop offs with minimal interaction and the entrance courtyard may become a **drone** goods drop off as shown in **section BB**.

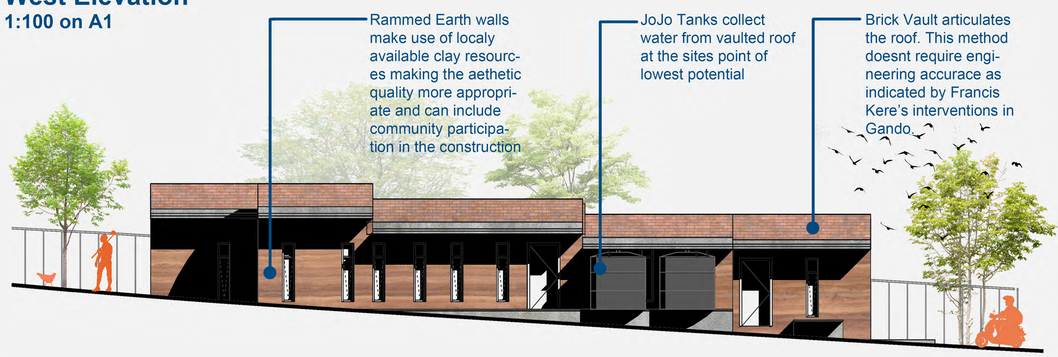
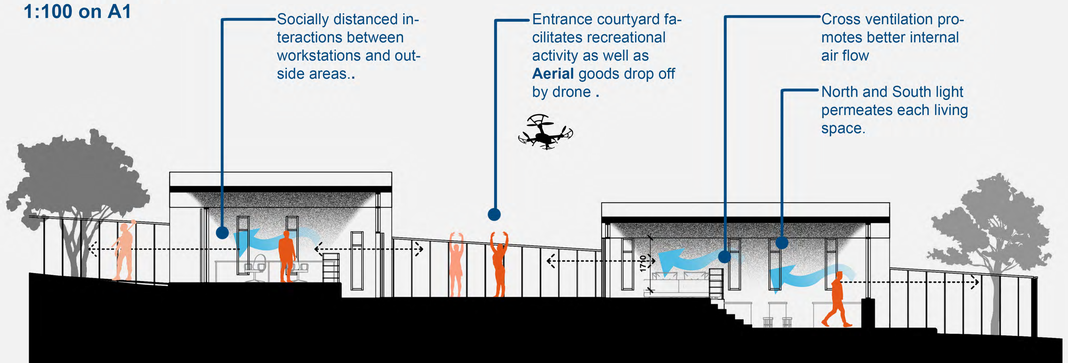
GROUND FLOOR	AREA
1 - KITCHEN/ ALTERNATIVE WORKSTATION	20m²
2 - LIVING ROOM/ ENTERTAINMENT	14.6m²
3 - ENTRANCE COURTYARD	32m²
4 - STUDY/ WORK STATIONS	22.4m²
5 - PARKING/ DELIVERY PICK-UP	N/A
6 - BEDROOM A	8m²
7 - BATHROOM	3.5m²
8 - WORK STATION 2	5m²
9 - ENSUITE BATHROOM	5.8m²
10 - MASTER BEDROOM	11.3m²
11 - FOOD GARDEN	N/A
12 - PHASE 2 (GUEST/AIR B'N'B/GARDENING SHED)	N/A
TOTAL	**122.6m²**

Park ST Elevation
1:100 on A1

Section A-A
1:100 on A1



West Elevation
1:100 on A1



Section B-B
1:100 on A1