# LOCALITY

THIS PROJECT HAS BEEN DESIGNED AS A GESTURE TOWARD THE FUTURE OF LIVING IN A POST-PANDEMIC SETTING WITHIN THE CONTEXT OF A DEVELOPING SOUTHERN AFRICAN NATION, ZIMBABWE. THE URBAN SETTING OF AVONDALE, HARARE PROVIDES AN INTERESTING IN-TERSECTION OF SPARSELY URBAN FRAMEWORKS WITH FAILED CENTRAL INFRASTRUCTURE THAT POTENTIALLY HIGLIGHTS THE REALITIES OF AN EXTENDED LOCKDOWN AND POST-PANDEMIC FUTURE.



## DESIGN INTENT

THE INTENT OF THIS INTERVENTION IS TO IDENTIFY MATERIALS, PLANNING AND SPATIAL CONDITIONS THAT PROVIDE ROBUST HOUSING THAT FACILI-TATES INDEPENDENT AND ISOLATED CIRCULATION, INTERCHANGEABLE PROGRAMMES WITHIN LIVING SPACES, RESILIENCE TO FAILED OR SUSPENDED GOODS EXCHANGE SYSTEMS(DUE TO LOCKDOWN), ENGAGES REGIONAL ECONOMIES, REFLECTS THE NATURAL LANDSCAPE AND CREATES AN APPRO-PRIATE ENVIRONMENT FOR COMBATING OR RESISTING THE SYMPTOMATIC EFFECTS OF COVID-19 OR ANY OTHER CORONA VIRUS'. THE PLANNING STRATEGY FOR THIS SCHEME WAS TO NEGOTIATE INTERNAL AND EXTERNAL PROGRAMMES USING MULTIPLE ENTRANCES TO LIVING/PUBLIC SPACES. THIS ALLOWS A VISUAL INTERACTION BETWEEN OCCUPANTS WHILE USING GLAZING THRESHOLDS TO MAINTAIN SOCIAL DISTANCING PROTOCOLS IN THE CASE THAT ONE MEMBER IS SELF ISOLATING.

ALTHOUGH THIS INTERVENTION WAS DESIGNED TO ACCOMMODATE A YOUNG FAMILY OF THREE WITH TWO PROFESSIONALLY EMPLOYED PARENTS AND A PRIMARY SCHOOL CHILD - ALL INTENDING TO WORK FROM HOME - OR HAVE THE OPPORTUNITY TO DO SO, THE SCHEME CAN BE EASILY ADAPT-ABLE TO FIT NEW TOPOGRAPHIC OR OCCUPANT CONDITIONS. PARTICULAR EMPHASIS WAS PLACED IN DEVELOPING DESIGNATED AND ALTERNATIVE WORKSTATIONS TO BRING VARIETY TO THE LIVING CONDITIONS OF THE OCCUPANTS. A NEIGHBOURLY COURTYARD INTERACTION WAS INCLUDED TO PROMOTE COMMUNAL FAMILIARITY AND RELIEVE ISOLATION IN ACCORDANCE WITH SOCIAL DISTANCING PROTOCOLS. MATERIALS USED ARE INTENDED TO REDUCE DEPENDENCY ON TRANSNATIONAL ENTITIES AND BRING UPSKILLING TO LOCAL CONTRACTORS. THE FORM IS FOCUSED ON BRINGING NAT-URAL LIGHT AND VENTILATION THROUGHOUT ALL LIVING SPACES AS A PREVENTATIVE MEASURE AGAINST CORONAVIRUS'.

ZIMBABWE WHEN TRANSLATED MEANS HOUSE OF STONE, VERNACULAR PRACTICE OF BUILDING WITH EARTH CREATES A REGIONALLY UNIQUE AES-THETIC AS LOCALLY AVAILABLE SOIL CONDITIONS VARY. DECOLONIAL APPROACHES TO CONSTRUCTION REESTABLISH AFRICAN IDENTITY AND DE-CREASE DEPENDENCE ON EXPLOITATIVE FACETS OF GLOBALISATION.

# FACADE ILLUSTRATION

# BARREL VAULT ROOF ALTHOUGH THIS FEATURE IS TIED TO CLASSICAL ORIGINS, THIS

VAULTED ROOF, AS INDICATED IN FRANCIS KERES GANDO PROJ-ECT, DOESNT REQUIRE ENGINEERING PRECISION TO CONSTRUCT AND ITS ARTICULATION CAN BE MANAGED WITH UNSKILLED LABOUR. ALTERNATIVE CONSTRUCTION METHODS CREATE A SKILLS TRANSFER BETWEEN LOCAL BUILDERS AND THE MATERIAL (BRICKS) DOESN'T RELY ON EXPORTED TECHNOLOGY.

### -SECOND PHASE

A SECONDARY CONSTRUCTION PHASE COULD INCLUDE AN AIR B'N'B GUEST ACCOMMODATION FOR ALTERNATIVE INCOMES. THIS COULD ALSO HOUSE A GREENHOUSE SHOULD THE OCCUPANTS DECIDE TO INTENSIFY AND MONETIZE URBAN FARMING.

### SOLID EARTH WALLS

COMPRESSED AND RAMMED EARTH CONSTRUCTION ARE NOT UN-FAMILIAR WITHIN SOUTHERN AFRICA. IN BONDA, ZIMBABWE UN-THE HOT SUMMERS AND GEO-THERMAL RELEASE WHEN ITS COLD, INVOLVEMENT AND SKILLS TRANSFER AMONG BUILDERS MAKES IT A TOOL TO STRENGTHEN COMMUNAL NODES AS OPPOSED TO RE-LYING ON IMPORTS/ TRANSNATIONAL ENTITIES.

### WATER COLLECTION

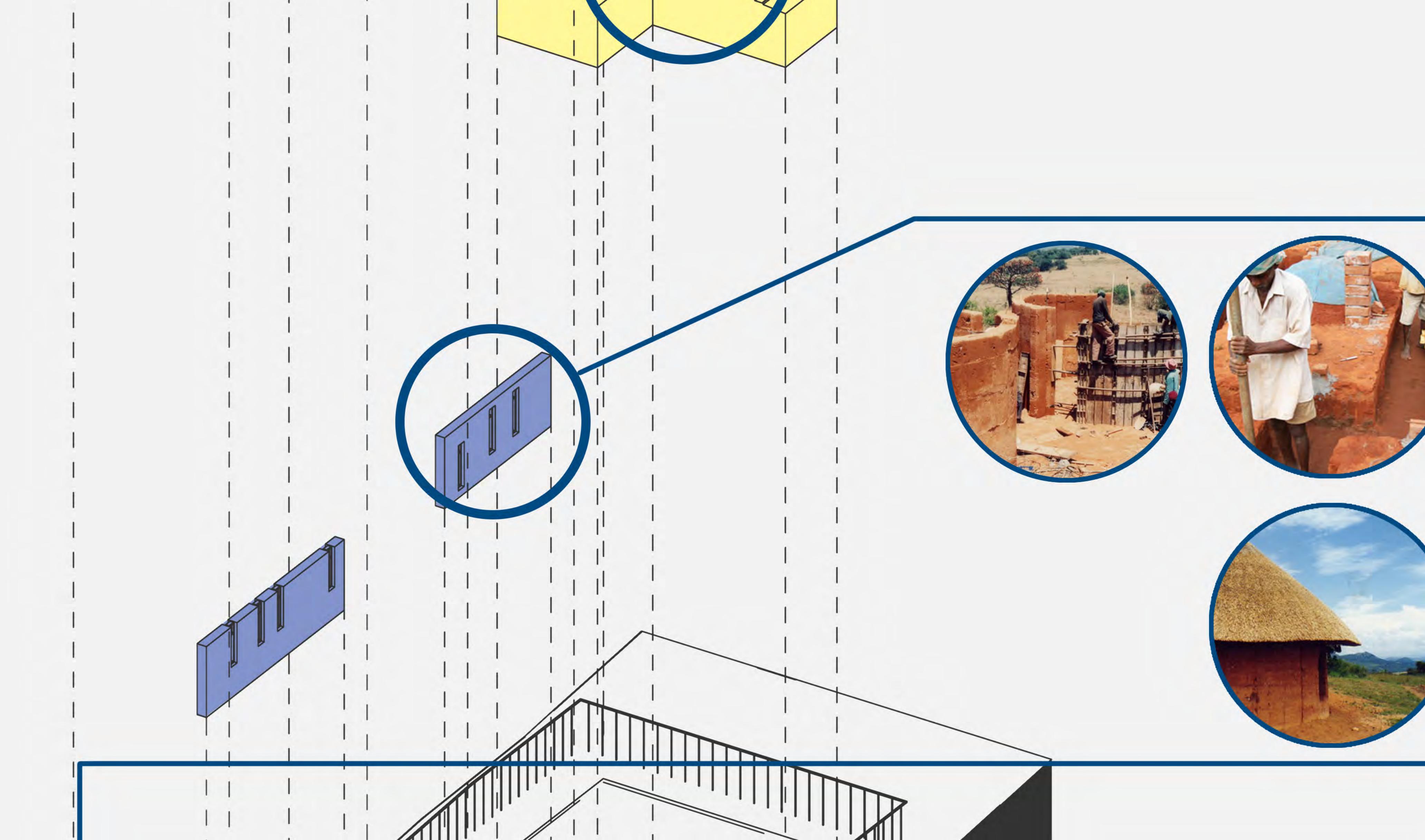
JOJO TANKS AT THE LOWEST POINT OF SITE COLLECT WATER FROM BARREL VAULTED ROOF TO WATER PLANTS IN FOOD GARDEN.

### LIGHTING AND VENTILATION

ONE OF THE MOST RECOGNISED FREE NAD NATURAL REMMEDIES TO CORONA VIRUSES HAVE BEEN IDENTIFIED AS VITAMIN D AND FRESH AIR. MAXIMISING NATURAL NORTH/SOUTH LIGHT AND CROSS VENTILATION IN THE LIVING SPACES BECOMES THE VAULT-ED ROOFS PRIMARY FUNCTION.

## URBAN FARMING

URBAN FARMING IMPROVES COMMUNAL RESILIANCE WITH RE-GARDS TO FOOD SHORTAGES WHREIN A STATE MANDATED LOCK-DOWN MIGHT AFFECT GOODS IMPORTS. THIS STARTEGY IS AL-READY WIDELY POPULAR IN ZIMBABWES MAJOR CITIES AND



EXPLODED AXO