

LOCAL GROWN FOOD

PEOPLE INTERACTION IN ENCLOSED SPACE







RIFTER BRCTERIR FINISHED DEGRADATION OF Wastesleft over can be use as natural Fertilizer

HYDROPONICS

FOOD IN ZHITING RICE ROW, DISTRIBUTED BY UNICER
LOCALS FOR EES-PRITTEY ITY IT OF HAIT THER DWK FOOD WITHOUT
CORRECT CONDITION. HYDROPONICS STUD AND ISTED PLANT WILL HEP
LOCAL ROLE TO GROW AND FEED THEMSELYES.

EVERYORY LARGE AMOUNT OF NATURAL GAS WERE USE TO COOK MERIS FOR Refusess. That the bas cost can be bedict by product methane gas from tons of wet food waste and human waste produce by 80,000 people everyory

CREATING COMMUNITIES

BUILD THEIR OWN SAND DOME HABITATS AND NEIGHBORHOOD.

SAND ARCHITECTURE URBAN PLANING FOR





TOTAL AREA: 5.3 SQUARE KILOMETERS

461701 REFUGEES HAVE PASSED THROUGH CAMP 80146 PERSONS OF CONCERN IN 2017 [SYRIAN REFUGEES]

45684 RRE UNDER 24 [57 %] 9137 ARE UNDER 5

DISTRICTS POPULATION



ZAATARI

DATA FROM UNICEF REACH REPORT : ZAATARI CAMP POPULATION COUNT UNICE UNABLE TO COUNT EACH DISTRICT NUMBER IN 2017

ZAATARI



AMP ESTABLISH IN 2012 WITH 1 DISTRICT NOW EXPAND TO TOTAL OF 12 DISTRICT



WATER DISTRIBUTION POINT . A CONCRETE WITH TWO TAP FAR LESS THAN ENOUGH



EVEN THE NEW TYPES OF HABITATS IT STILL TOO HOT FOR DESERT CLIMATE. PEOPLE DESPERATLY USED OLD FABRIC FROM TENT TO COVER THE ROOF.



FIRST AID ON CRMP REFUGEES HABITATS. UNHCR PROVIDED FABRIC TENT FOR CRMP REFUGESS TO LIVED IN.



THE CONFLICT IS LONGER THRN ANYONE EXPECTED ALSO SURPASS THE FRBRIC TENT EXPECTED DURATION OF USES [1-2 YEARS]



FLAT LAND WITHOUT ANY SEWER. FLASH FLOOD ALWAYS HAPPEN EVERYTIMES IT RRINS





2ND TYPES OF HABITATS FOR REFUGESS A ZINC PLATED BUNGALOW



HARSH WINTER TIME WITH SNOW DRMAGING THE WORN OUT TENT.

14.50 N

LIVING DOME

PURPOSED LIVING AREA FOR CAMP REFUGESS WITH MORE OGANIZE PLAN AND MORE PRIVACY IN EACH DOME. HOWEVER STILL ENCORAGE PEOPLE TO LIVING TOGETHER BY INCREASING OUTDOOR ACRTIVITES AREA . EACHLIVING DOME CAN HELD 1 FAMILY OR UPTO 6 PERSONS.



SPECIFICATION

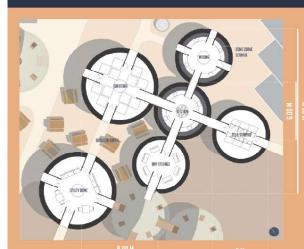
CAPCITY 6 PERSONS AREA [1 DOME] 28 SQ.M TOTAL AREA 112 SQ.M

SAND REQUIRED 100ME 8 CUBIC M

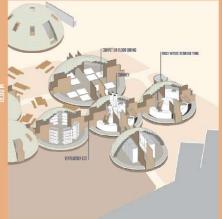




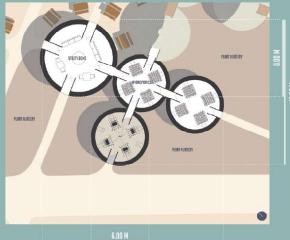
KITCHEN & CAFETERIA SCALE 1:100



KITCHEN & CAFETERIA



HYDROPONICS & NURSERY PLAN AND AXON

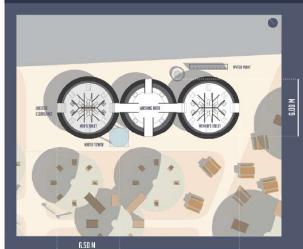


HYDROPINICS & NURSERY



OIY HYDROPONICS UINT 5 PVC 6" TUBES Wooden Stand Pump and Resevoir

WATER POINT SCALE 1:100



19.00 M

NEW WATER POINT

REDESIGN OF CURRENT WATER POINT AREA. WHICH ONLY HAVE ONE UPTO 4 TAP, ADDING MORE WATER DISTRIBUTION AREA AND RESTROOM DOME. WHICH CAN BE CONFIG FOR TOILET OR SHOWER AREA. ALSO INTRODUCING HUMAN WASTE STORAGE TANK WHICH LATER CAN BE USE AS A COOKING GAS.



SPECIFICATION

4+ UNIT TOILET [2DOME]

4 UNIT

6 UNIT

SINK

WATERTOWER

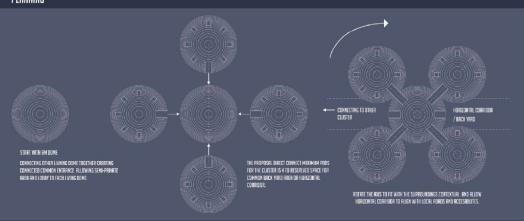
SHOWER [-] UPTO 6 UNIT 4 UNIT

WATER DISTRIBUTION

USE FOR BOTH TOILET AND KITCHEN AREA



SAND DOME & LIVING CLUSTER PLANNING



NIEGHBORHOOD PLANING



SUGGESTED PLANNING



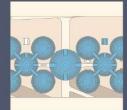
BUFFER ZONES PREVENTING SAND AND SNOW TO GET IN LIVING Area when sand storm / Blizzard Occur.



SOLID WOOD PLANKS FOR WEATHER PROTECTION OR CAN BE CUSTOMIZED AS HABITANTS WANT.



THE ORGANIZATION CREATES MORE SEMI PRIVATE BACKYARD

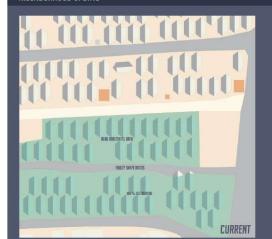


ORGANIZED PLAN ALLOW THE COMMUNITIES AND DISTRICT TO ERSILY EXPAND WITH BETTER BLLOCATION.





DISTRIC1 NIEGHBORHOOD UPDATE



MOST OF AREA UTILIZED FOR TENT USE ONLY (RESIDENTIAL). NO COMMUNITIES AREA AND FEW OF INFASTRUCTURE AND LIFE SUPPORT FACILITIES. NO LOCAL ACTIVITIES.

CONNECTION

VERY FEW VERTICAL CONNECTION PEOPLE NEED TO TAKE A BIG DETOUR BEFORE ACCESS THIER LOCATION. EMPTY HORIZONTAL AREA BETWEEN THE TENTS ARE DEAD NOBODY USE IT.

APPROX. 55 TENTS IN PROPOSE AREA. APPROX. 275 PERSONS.

RCI RAITO

RESIDENTIAL COMMUNITIES INFASTRUCTURE

CURRENT AREA HAS BEEN REDESIGN AND DRGANIZED WITH INTRODUCTION OF NEW FACILITIES AND INFRASTRUTURE. MORE RESIDENTIAL CAPACITY WITH NEW FACILITIES.

BROK VERR COMMUNITIES RRE

NEW ACCESS

ENTRANCE OF RESIDENTIAL UNIT CAN BE ACCESS FROM VERITCAL WALK WAY WITH NEW HORIZONTAL ROAD TO MAXIMIZED AREA UTILIZATION. THE DEAD AREA CHANGED TO BECOME HORIZONTAL BACK YARD FOR RESIDENCE TO USE. UPDATED C1+C2

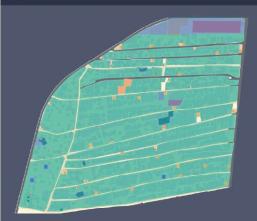
51 RESIDENTAIL DOME UP TO 65 [ADD-DNS] CAPACITY OF 306 UPTO 390+ [100ME, 6 PERSONS]

KEW FROUTIES

RCI RAITO

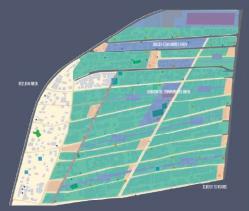
LOCAL TOLLET

DISTRIC 1 DISTRICT RE-ORGANIZATION



SAME STORY IN BIGGER SCALE TENTS WERE DISTRIBUTED FIRST THEN FACILITIES AND INFRASTRUCTURE. WATER POINT, TOILET, AND KITCHEN WERE SCATTERED AROUND THE AREA. DISTRICT 1 IS THE OLDEST AND HIGHEST DENSITY DISTRICT IN ZARTARI.

VERY FEW VERTICAL ACCESS THOUGH OUT THE TENTS AREA. SO PEOPLE DIDN'T GATHER AND DO ACTIVITIES TOGETHER MUCH TO GO FROM ONE LOCATION TO OTHER A VERY BIG DETOUR NEED TO BE



UPDATED

THE NODE DESIGN ABLE TO EXPAND AND REPERTS FROM THE TOP LEFT CORNER OF CLAND C2 USE SAME STRATEGY WITH COMMUNITY AREA SURROUNDED BY RESIDENTIAL AREA IN THE MIDDLE HORIZONTAL LINE CONNECTING TO BIGGER COMMUNITY AREA.

EXPECTING 2X CHPACITY. AREA CAN BE UTILIZE FOR MORE COMMUNITIES AREA OR SHRINK DOWN WASTE DISTRICT AREA AND WITH THE INFARSTRUCTURE AND FACILITIES MORE ORGANIZED AND CLOSER TO MAIN ROAD FOR BETTER LOGISTIC.