

SITE ANALYSIS

THE SITE OF THIS PROJECT IS LOCATED IN KLONGTOEY DISTRICT, BANGKOK, WHERE THE OLD TOBACCO FACTORY WAREHOUSES WERE ONCE SITUATED IN. NOWADAYS, THIS AREA HAS BEEN ABANDONED AS 'THE BROWNFIELD' OF BANGKOK. THEREFORE, THERE IS A POSSIBILITY TO UTILIZE THIS AREA AND RECONSTRUCT THE OLD BUILDINGS INTO 'NEW URBAN FARM COMMUNITY' WITHIN THE CITY.

SWOT ANALYSIS

STRENGTH	WEAKNESS
<ul style="list-style-type: none"> access to site easily existing buildings are unique and can be adapted site is connected to public park 	<ul style="list-style-type: none"> usage of area is not compatible with the potential of location there is no connection area among adjacent communities
OPPORTUNITY	THREAT
<ul style="list-style-type: none"> site is surrounded with upcoming skytrain projects klongtoey district has a potential to be developed as a new central business district 	<ul style="list-style-type: none"> the west side of site is next to a railway which obstruct the entrance old structure of some buildings may difficult to be renovated

ACCESSIBILITY



SURROUNDING



COMMUNITY RELEVANCE



EXISTING BUILDING



EXISTING BUILDING



GREEN AREA



NANA COMMUNITY



NANA COMMUNITY



NANA COMMUNITY

'REBROWN' PROJECT IS FOCUSING ON TURNING THE BROWN-FIELD AREA WHICH CAN BE FOUND IN MANY CITIES INTO GREEN AREA, PHYSICALLY IN KIND OF 'URBAN FARM COMMUNITY'

THIS PROJECT 'RE' THE UNUSED AREA OF TOBACCO FACTORY WAREHOUSES INTO VALUABLE GREEN AREA WHICH CAN SERVE 'NANA AND ADJACENT COMMUNITIES'

INTENTION OF THIS 'REBROWN' PROJECT IS TO CREATE THE CONNECTION BETWEEN URBAN COMMUNITY AND RELAXING GREEN AREA INCLUDING WITH ENCOURAGE 'CITY PEOPLE' TO LEARN ANOTHER WAY OF LIVING WITH NATURE.

THE RESULT OF THIS PROJECT IS COMING UP WITH AGRICULTURE BUILDING, AGRICULTURE FIELD, MARKET, RESTAURANT, CAFE, LIVING SPACE AND COMMUNITY SPACE

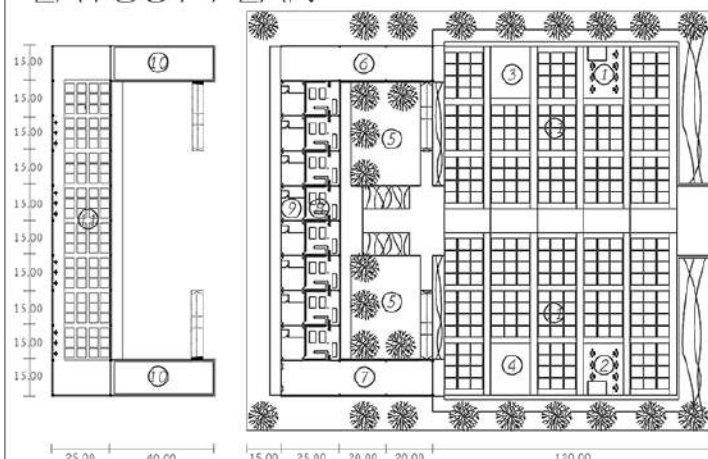
REBROWN

RE:THINK, RE:CREATE

TURN BROWNFIELD TO URBAN FARM COMMUNITY



LAYOUT PLAN



ELEVATION



PLANNING

- ① CAFE
- ② RESTAURANT
- ③ WORKSHOP AREA
- ④ SUNDAY SCHOOL
- ⑤ COMMUNITY SPACE
- ⑥ EQUIPMENT STORAGE
- ⑦ PRODUCT STORAGE
- ⑧ MARKET AREA
- ⑨ LIVING AREA
- ⑩ OPEN SPACE
- ⑪ AGRICULTURE FIELD



INSPIRATION



GREENHOUSE



RICE TERRACE



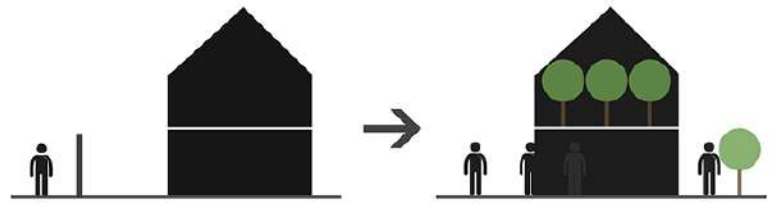
NATURE BLEND

THIS PROJECT IS COMPOSED OF URBAN FARMING BUILDING, AGRICULTURE FIELD AND COMMUNITY SPACE. THE BUILDING IS INSPIRED FROM GREENHOUSE WHICH CAN INCREASE THE PRODUCTIVITY OF AGRICULTURE. RICE TERRACE LEADS TO ORGANIC SYSTEM FOR WATER-FILTERING. WHILE COMMUNITY SPACE IS DESIGNED TO BLEND HUMAN WITH NATURE.

IDEA & CONCEPT



RELATIONSHIP BETWEEN PEOPLE, NATURE AND COMMUNITY



TURNING OLD WAREHOUSE INTO URBAN FARMING BUILDING

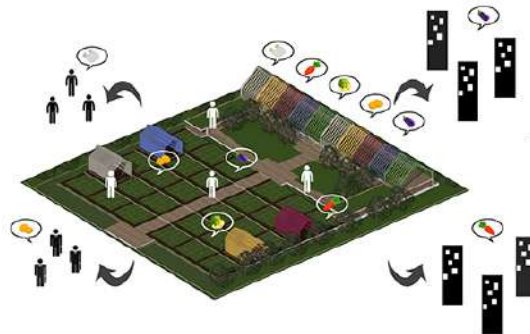
LAYOUT PERSPECTIVE



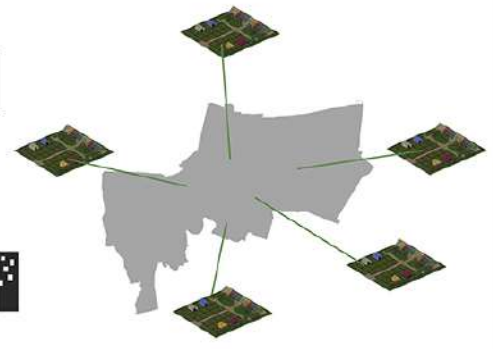
SYSTEM



DWELLERS IN COMMUNITY OR URBAN FARMERS RENT THEIR OWN FIELDS TO CULTIVATE, WHILE ATTRACT PEOPLE TO VISIT THIS PROJECT BY A MARKET, RESTAURANT AND CAFE



THE OWNER OF EACH FIELD OBTAIN THEIR AGRICULTURAL PRODUCTS SOME OF THEM MAY BE EXCHANGED AMONG FARMERS' GROUP AND THE LEFTOVER CAN BE SOLD AT THE MARKET OR DISTRIBUTED TO ADJACENT COMMUNITIES



THIS REBROWN PROJECT IN NANA COMMUNITY CAN ACT AS A ROLE MODEL OF URBAN FARMING IN OTHER BROWNFIELD AREA OF BANGKOK WHICH WILL MAKE A POSITIVE CHANGE FOR THE CITY

BENEFITS



INTERACTION AMONG COMMUNITIES



REDUCE ENERGY USE AND LOGISTICS COST



FRESH FRUITS AND VEGETABLES



SUPPORT ECONOMY IN COMMUNITY



MORE GREEN SPACE



GET HEALTHY AND BE HAPPY !

DETAIL DESIGN

FUNCTION ARRANGEMENT

ROOF

STRUCTURE

OPEN SPACE

AGRICULTURE FIELD

MARKET

COMMUNITY SPACE

AGRICULTURE FIELD

RESERVOIR

WORKSHOP AREA

CAFE AND RESTAURANT

MATERIAL USE

GLASS



SOLAR CELLS



REUSE METAL FRAME



OLD CONCRETE STRUCTURE

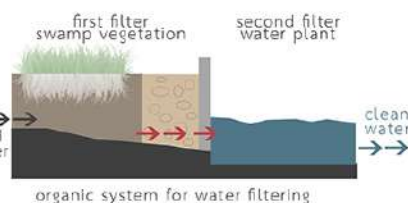


OLD STRUCTURE AND OLD BRICK WALL



SUSTAINABLE ASPECT

ECO-SYSTEM



ECO-BUILDING
- using eco-friendly materials eg. eco-glass, recycled wood and brick
- allowing ventilation to cross fluently
- using solar energy and natural light

ECO-SPACE
providing green space and natural-shadowed space

ECO-CIRCULATION
providing path for bicycle reducing motor-vehicle usage

ECO-PRODUCT
supporting organic products which produced by non-toxic process

COLOR SCHEME



NP OW 1084 P
White Concrete

NP YO 1170 T
Ripe Wheat

NP R 1344 A
Rosy Dreams

NP PB 1465 T
Twist of Fate

NP BGG 1749 T
Brittany

COLOR ISSUES
- using 'tetrad' colour structure to harmonize the overall perspective
- 5 colors are inspired from 5 colors-vegetable which are white, yellow, red, purple and green
- adjusting hue and saturation of color to evoke the sensation of 'fresh and healthy'
- each color represents the owner of the field and shop



OVERALL PERSPECTIVE



BIRD-EYE VIEW PERSPECTIVE OF AGRICULTURE FIELD, COMMUNITY SPACE AND URBAN FARMING BUILDING



MARKET AREA IS LOCATED UNDER AGRICULTURE AREA
AND CONNECTED TO COMMUNITY SPACE

INTERIOR SPACE OF AGRICULTURE FIELD
IN URBAN FARMING BUILDING