SYMBIOSIS

RECALIBRATING DESIGN THINKING FOR THE URBAN ENVIRONMENT

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ARCHITECTURE IS [STATIC, RIGID, AND UNABLE TO ORGANIZE](), BUT IN AN EVER-CHANGING WORLD, OUR [BUILT ENVIRONMENT NEEDS TO BE ABLE TO ADAPT](). OUR CITIES IN KIND, WITHOUT PLANNING AND DESIGNING FOR ADAPTABILITY, THE BUILT ENVIRONMENT LAGS BEHIND THE NUMEROUS SOCIETAL AND ENVIRONMENTAL DYNAMICS THAT CHALLENGE OUR PRESENT TIME. IMPENDING ISSUES OF [CLIMATE CHANGE, SEA LEVEL RISE, AND POPULATION GROWTH]() ARE NOW FORCING ARCHITECTURE TO RE-EXAMINE ITSELF AND ASK: HOW WILL IT RESPOND TO THESE COMPLEX DEMANDS? IN THE FACE OF THIS CHALLENGE, THIS THESIS WILL EXPLORE A CONCEPTUALLY DIFFERENT APPROACH TO DESIGN THAT WILL ALLOW ARCHITECTURE TO BECOME A DIFFERENT PRODUCT, THROUGH AN EMPHASIS ON SYSTEMS THINKING AND DEVELOPMENT, ARCHITECTURE CAN BE DESIGNED TO EXIST WITHIN A [DIRECT AND INTERACTIVE RELATIONSHIP WITH ITS ENVIRONMENT]() WHERE OUR BUILDINGS COULD REACT AND INTERFACE WITH THE SHIFTING NATURE OF OUR CULTURE AND NATURAL ENVIRONMENTS OVER TIME. THUS, THROUGH THIS STRATEGY [ARCHITECTURE CONTINUES TO EVOLVE]() AND THE ARCHITECTURE IS ABLE TO BETTER EMBRACE THE CONTEXT OVER TIME AND BECOME A [SUSTAINABLE MODEL FOR URBAN DEVELOPMENT]().

1. GREEN NETWORK PROMENADE / SPRING

NATURAL HABITAT CREATION
KINETIC PAVILIONS

2. HABITAT PIERS / SUMMER

ACTIVE HABITAT CREATION
REACTIVE PIERS

3. COMMUNITY CENTER / FALL

FOOD GROWTH AND EDUCATION
PUBLIC SPACE

4. VERTICAL FARM + MARKET / WINTER

EQUITABLE FOOD ACCESS
SUSTAINABLE GROWTH

A NEW DNA

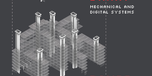
ARCHITECTURE AS AN ORGANISM

SKIN

REGENERATIVE FACADE AND FACADE

BRAIN

MECHANICAL AND DIGITAL SYSTEMS



BONES

SUPERSTRUCTURE

HEART

GREEN NETWORK + COMMUNITY ORIENTED PROGRAM

KEY RELATIONSHIPS

THE RELATIONSHIP TRIANGLE + POTENTIAL OF SYMBIOTIC THINKING

GOVERNANCE + OPERATIONS

VR + AR VISIONING

VIRTUAL AND AUGMENTED REALITY TOOLS ARE RESIDENCY AND FULL COMMUNITY USE TO ENSURE THAT ALL MEMBERS OF THE COMMUNITY HAVE THE OPPORTUNITY TO VOICE AS WELL AS VIEW ARCHITECTURE BEFORE IT BECOMES AN REALITY.

PERFORMANCE INCENTIVES

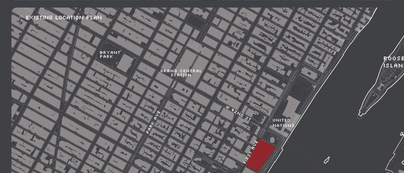
BUILDINGS WITHIN THE DEVELOPMENT IS REWARDED ENVIRONMENTALLY AND SOCIALLY THROUGH A SYSTEM OF INCENTIVES THAT ENCOURAGE THE MAINTENANCE OF CERTAIN PERFORMANCE OF GREEN SPACE ON A PROJECT LOT.

EQUITABLE ACCESS

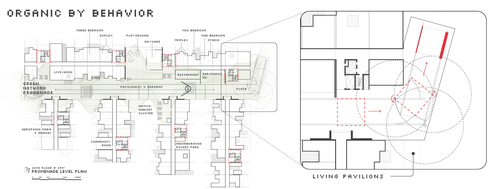
AS A FORM OF COMMUNITY LAND TRUST AND VARYING HOUSING ASSOCIATIONS MODEL WOULD ALLOW THE COMMUNITY MEMBERS TO HAVE DIRECT CARE THE ENTIRE DEVELOPMENT WOULD BE MANAGED BY A COMMUNITY BOARD OF DIRECTORS WITH ONE-QUARTER OF SEATS FOR RESIDENTS.

LARGER CHANGE

THIS DEVELOPMENT WAS CONCEIVED AS A CATALYST FOR A DIFFERENT KIND OF DEVELOPMENT, ONE THAT IS MORE SUSTAINABLE, RESILIENT, AND EQUITABLE. IT IS HOPED THAT THIS DEVELOPMENT WILL BE A CATALYST FOR CHANGE IN THE WAY THAT WE THINK ABOUT AND DEVELOP OUR CITIES, BUILDINGS WITHIN THE ZONE OF RISING WATERS IN PREPARED WAYS TO BE BUILT.

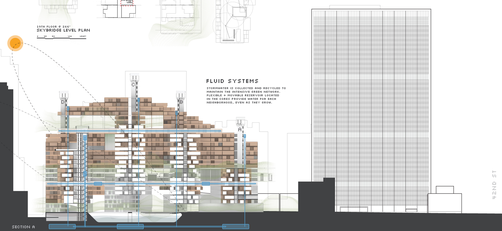


ORGANIC BY BEHAVIOR



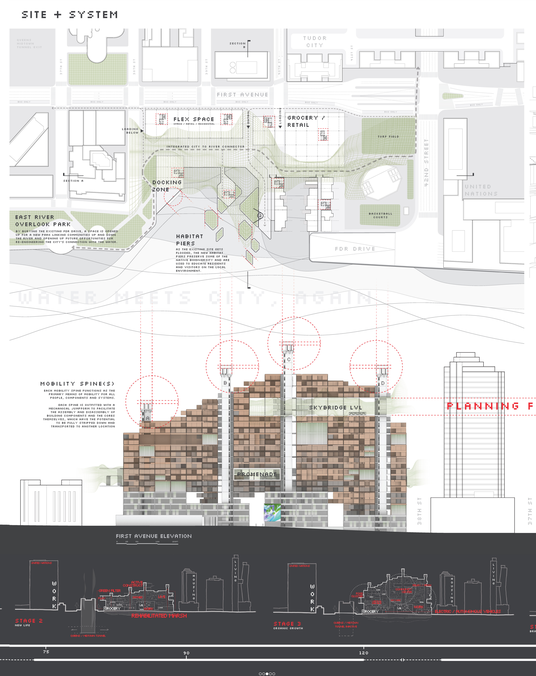
REGENERATIVE SOLAR

FLUID SYSTEMS

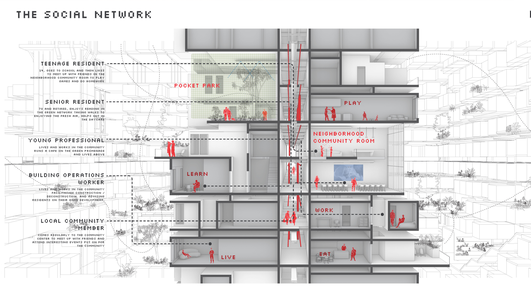


STABILITY WITHIN

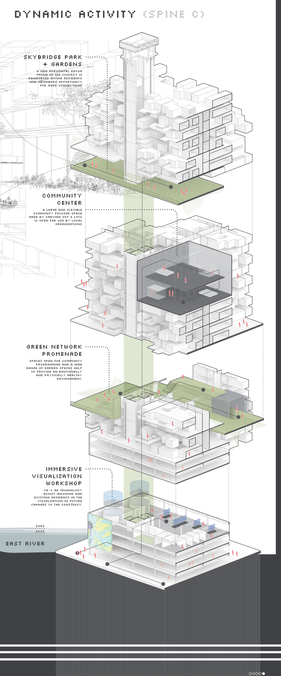
SITE + SYSTEM



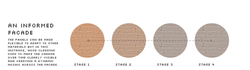
THE SOCIAL NETWORK



DYNAMIC ACTIVITY (SPINE C)



AN INFORMED FACADE



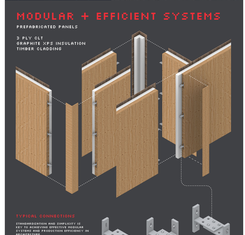
VERTICAL ECOSYSTEM

PLANNING FOR TOMORROW

MODULAR + EFFICIENT SYSTEMS

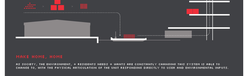
PREFABRICATED PANELS

3 PLY CLT
GRAPHITE EPS INSULATION
TIMBER CLADDING

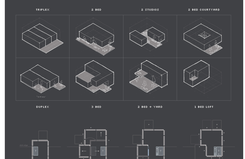


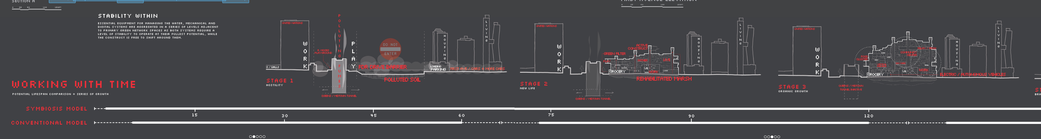
CUSTOM CONNECTIONS

APPROPRIATE PACKAGES WITH MINIMUM WASTE



SMALL HOUSE, BIGGER



WORKING WITH TIME

PERSONAL LIFESPAN COMPARISON + SPEED OF BUILDING