



WE BELIEVE THAT MANY SUSTAINABLE, CLIMATE RESPONSIVE AND VALUABLE CULTURAL CHARACTERISTICS ARE TO BE FOUND IN THE ARCHITECTURE OF THE CITY OF NEW ORLEANS. THE PROPOSAL IS BASED ON THE NEW ORLEANS CREOLE COTTAGE HOUSE TYPE. TRADITIONAL FEATURES SUCH AS THE FRONT PORCH, A LARGE ROOF AND DORMER WINDOW PRESENTED TO THE STREET, THE "CABINET" HOUSING SERVICES AND A PRIVATE COURT ARE REINTERPRETED AS THE BASIS OF THE DESIGN. IN ADDITION THE IDEA OF A MAIN HOUSE ON THE STREET AND SECONDARY BUILDINGS TO THE REAR IS TRANSFORMED INTO A MAIN THREE BEDROOM, TWO BATHROOM, DOUBLE STOREY UNIT AT THE FRONT AND A ONE BEDROOM ONE BATHROOM FLAT IN THE REAR. THE REAR UNIT COULD BE USED BY A MEMBER OF THE EXTENDED FAMILY OR RENTED OUT. THE TWO UNITS ARE EASILY LINKED TOGETHER TO FORM A FOUR OR FIVE BEDROOM SINGLE FAMILY HOUSE.

THE HOUSE COULD BE RAISED EIGHT FEET OR FIVE FEET ABOVE THE GROUND. IN THE FIVE FEET OPTION BOTH PARKING SPACES WOULD BE PROVIDED IN TANDEM IN THE SOUTHERN SIDE YARD. BOTH PARKING SPACES AND THE REAR GARDEN ARE SECURED BY GATES. SLIDING WINDOW SHUTTERS FURTHER ENHANCE SECURITY.

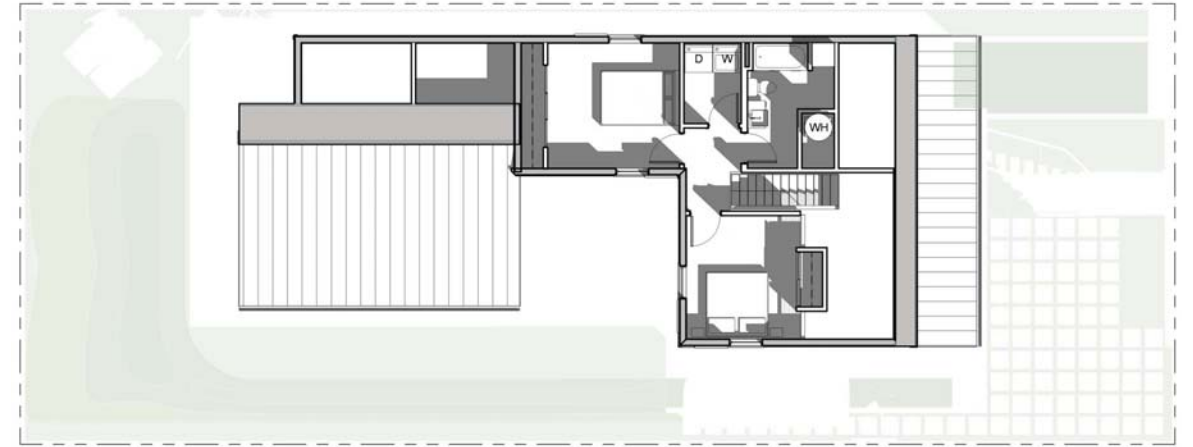
THE HOUSE IS SET BACK FROM THE SOUTHERN PROPERTY LINE TO OPTIMIZE SOLAR ORIENTATION FOR THE CENTRAL RAISED OUTDOOR LIVING COURT WHICH IS THE HEART OF THE HOUSE. WINDOWS ARE SHADED BY PORCHES, SLIDING SHUTTERS OR VEGETATED SCREENS. ROOMS AND WINDOWS ARE ARRANGED TO MAXIMIZE CROSS VENTILATION IN BOTH THE EAST-WEST AND NORTH-SOUTH DIRECTIONS. NATURAL VENTILATION IS SUPPLEMENTED BY CEILING FANS. SLOPING AND VAULTED CEILINGS, HIGH WINDOWS AND A DORMER INDUCE STACK VENTILATION.

PLUMBING CORES SERVING KITCHENS AND BATHROOMS ARE TIGHTLY GROUPED IN CLOSE PROXIMITY TO THE RAINWATER CISTERN FOR MAXIMUM EFFICIENCY. THE SOUTH FACING ROOF OF THE REAR FLAT ACCOMMODATES PHOTOVOLTAIC PANELS AND SOLAR TUBES AS A SOURCE OF RENEWABLE ENERGY. GROUND SOURCE HEAT PUMP WELLS OR LOOPS ARE LOCATED BENEATH THE RAISED HOUSE SO THAT DIGGING IN THE GARDEN WILL NOT POSE A POTENTIAL CAUSE OF DAMAGE.

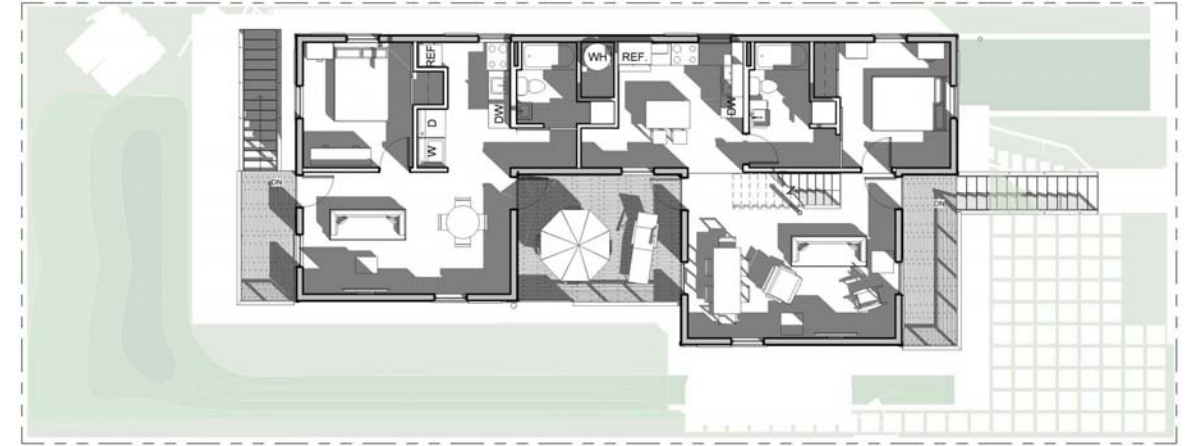
RAINWATER IS COLLECTED FROM THE EAST FACING ROOF, IN THE CISTERN AND USED FOR TOILET FLUSHING AND SITE IRRIGATION. ADDITIONAL RAIN WATER FALLING ON THE HOUSE AND SITE IS COLLECTED THROUGH THE GARDEN IN A SERIES OF CHANNELS, BIOSWALES AND RAINGARDENS THAT WILL REDUCE THE LOAD ON THE NEIGHBORHOOD STORMWATER DRAINAGE SYSTEM AND HELP IRRIGATE THE SITE SO THAT A PRODUCTIVE "EDIBLE LANDSCAPE" COULD BE SUPPORTED.

CONSTRUCTION IS PROPOSED IN STRUCTURAL INSULATED PANELS (SIPS) AND DIMENSIONS ARE CAREFULLY COORDINATED TO AVOID WASTE. THIS ALLOWS FOR THE OFF SITE PREFABRICATION OF COMPONENTS AND RAPID ASSEMBLY. THE HOUSE IS CLAD IN FIBER CEMENT BOARDS AND PANELS APPLIED AS A RAINSCREEN. ROOFS ARE PREFINISHED STANDING SEAM METAL. WINDOWS ARE DOUBLE HUNG, DOUBLE GLAZED UNITS THAT ALLOW THE OPERATION OF SHUTTERS WHEN THEY ARE OPEN AND DO NOT REQUIRE THE USE OF IMPACT RESISTANT GLASS AS THE SHUTTERS PROVIDE STORM PROTECTION. THIS COMBINATION OF MATERIALS ASSURES A HIGHLY EFFICIENT BUILDING ENVELOPE THAT REDUCES COOLING AND HEATING LOADS AND REQUIRES MINIMAL MAINTENANCE.

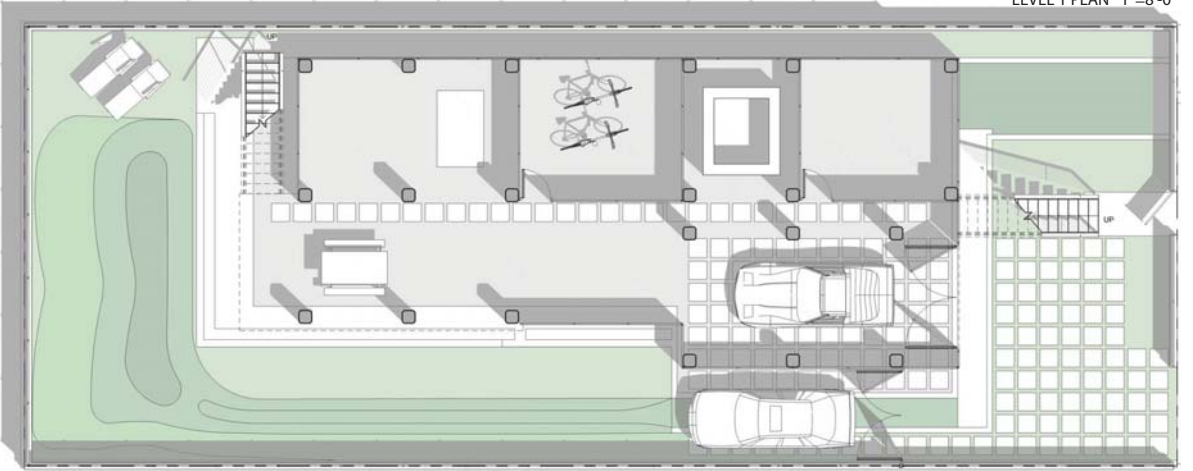
SUSTAINABLE, HEALTHY AND LOW MAINTENANCE MATERIALS ARE PROPOSED THROUGHOUT THE INTERIOR AS ARE HIGHLY EFFICIENT APPLIANCES AND HEATING AND COOLING EQUIPMENT.



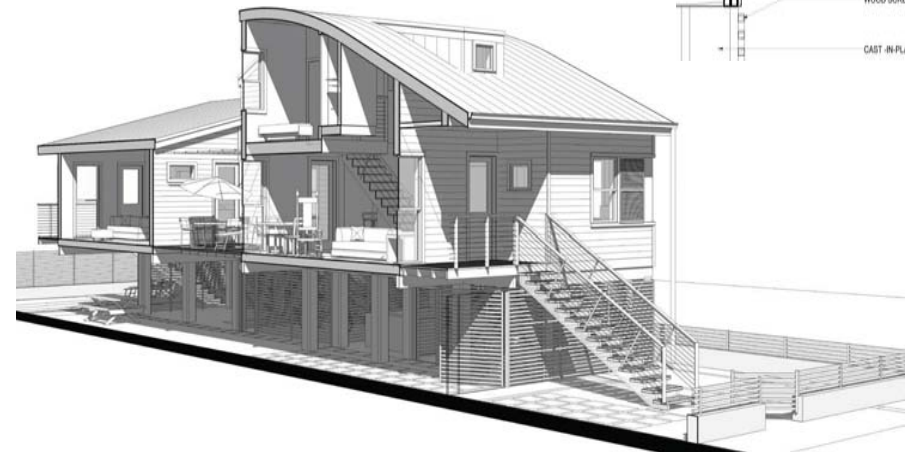
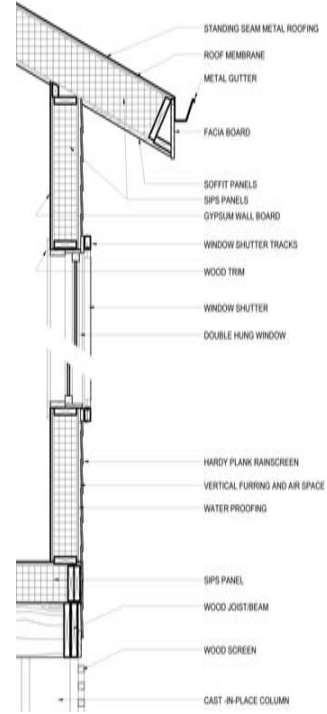
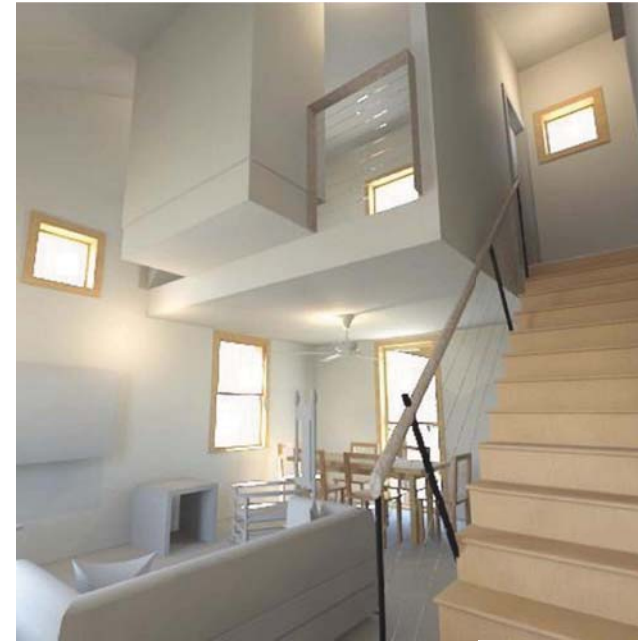
LEVEL 2 PLAN 1"=8'-0"



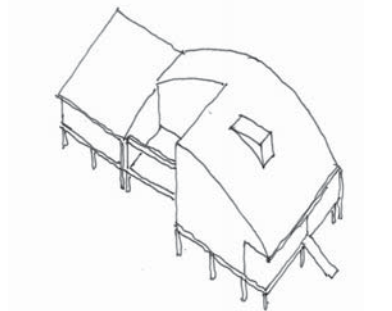
LEVEL 1 PLAN 1"=8'-0"



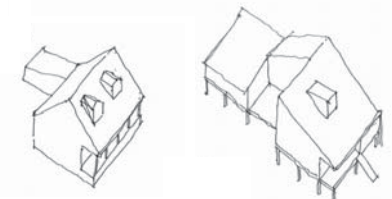
GROUND LEVEL PLAN 1"=8'-0"



SECTION 1"=8'-0"

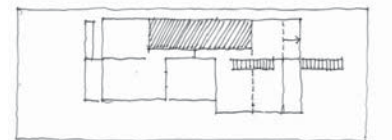


TRANSFORMATION

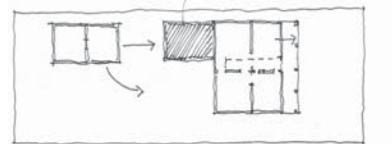


CREOLE COTTAGE

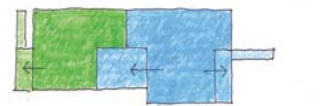
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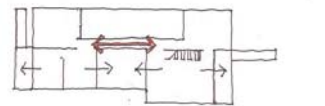
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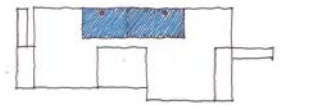
CREOLE COTTAGE



TWO UNITS



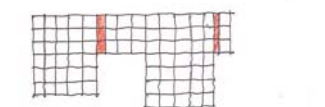
UNITS LINKED



WET CORES



1ST LEVEL OPEN SPACES



SIPS MODULE



MAKE IT RIGHT 2 09 May 2009

Project No. 09020

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SOUTH ELEVATION 1"=8'-0"



EAST ELEVATION 1"=8'-0"



WEST ELEVATION 1"=8'-0"



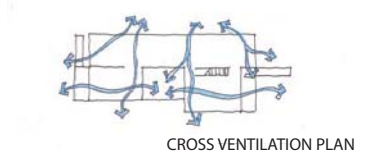
NORTH ELEVATION 1"=8'-0"



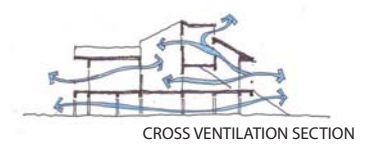
STREET VIEW LOOKING NORTH WEST



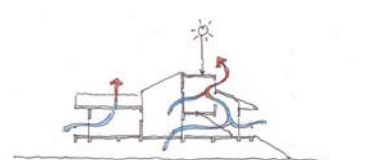
GARDEN VIEW LOOKING EAST



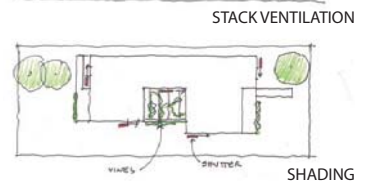
CROSS VENTILATION PLAN



CROSS VENTILATION SECTION



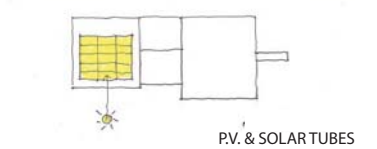
STACK VENTILATION



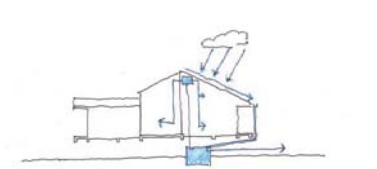
SHADING



GROUND SOURCE COOLING & HEATING



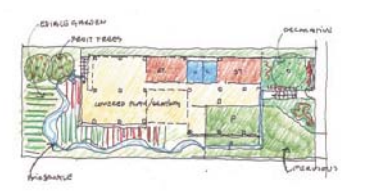
PV. & SOLAR TUBES



RAINWATER COLLECTION AND REUSE



STORMWATER MANAGEMENT



GROUND FLOOR USES



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