

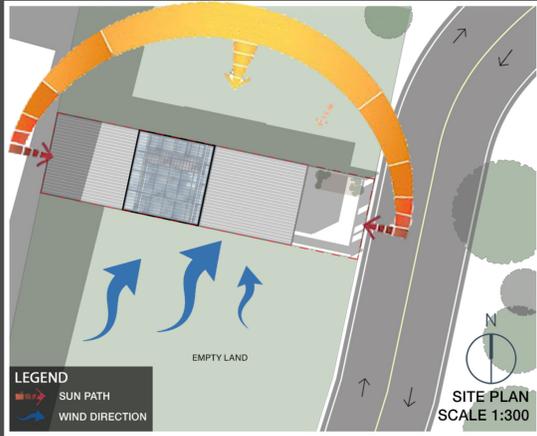
SITE CONTEXT



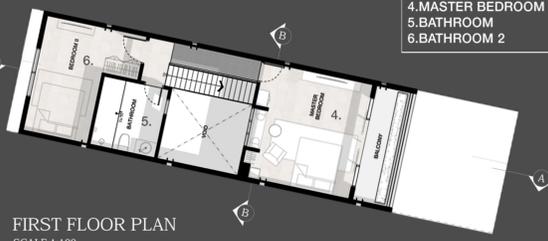
SITE CONDITIONS
IMPROPER MAINTENANCE OF ROAD NEAR THE SITE

ENTRANCE
BLOCK THE ROAD WHILE ENTER/ EXIT THE HOUSE

SECURITY PROBLEM
A LOT OF EMPTY LANDLOT



LEGEND
1. LIVING ROOM
2. INDOOR GARDEN
3. DINING AREA
4. MASTER BEDROOM
5. BATHROOM
6. BATHROOM 2



PROJECT 2: THE NEW NORM HABITAT PRECEDENT STUDY

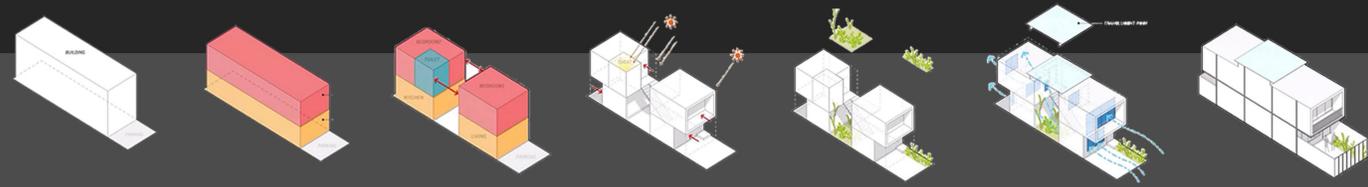
PRIM HOUSE

BY STUDIO LOCOMOTIVE

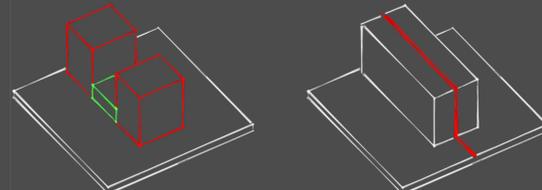
PRIM HOUSE IS A HUNDRED SQUARE METER TWO STOREY HOME SLIDE OF LAND. THE HOUSE IS NAMED AFTER THE HOMEOWNER WHO AMBITIOUSLY BEGAN HER OWN DEBT FREE PET AND PLANT WELCOME HOME PROJECT IN HER MID TWENTIES TO PUT DOWN ROOTS IN HER HOMETOWN, PHUKET.

EXERCISING LIMITED FINANCIAL AND SPATIAL RESOURCES THE CRITICAL DESIGN FOCUS COMMITS TO THIS HOME.

- PLANT FRIENDLY HOME
- PET FRIENDLY HOME
- PUT DOWN ROOT IN THE HOMETOWN
- SAVE COST TO BUILD A DREAM HOUSE



DESIGN PRINCIPLES



SPACE LINKED BY A COMMON SPACE
THE COMMON SPACES IN THE HOUSE ARE LINKED BY A CENTRAL AIR WELL WHICH ALLOWS DAYLIGHT TO REACH MOST PARTS OF THE HOUSE

LINEAR ORGANIZATION
THE FLOOR PLAN SHOWS THAT THE SPACES IN THE HOUSE CAN BE DIRECTLY RELATED TO ONE

TRANSLUCENT ROOF
- HELP REDUCE ENERGY COST
- REDUCE USAGE OF ARTIFICIAL LIGHT

STIFFENER COLUMN
- EASY TO CONSTRUCT
- LIGHTER AND STRONGER

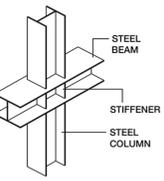
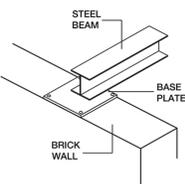
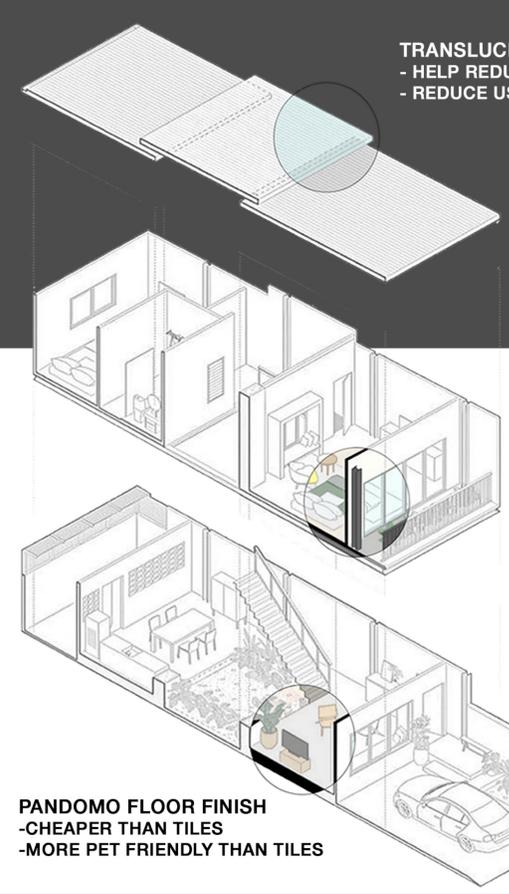
DESIGN PROBLEMS AND SOLUTIONS

FLAT ROOF IN TROPICAL REGION
FLAT ROOF HAS BEEN USED TO REDUCE THE COST OF CONSTRUCTION. HOWEVER, THIS ROOF SYSTEM ARE NOT RECOMMENDED IN TROPICAL COUNTRY. LARGE OVERHANG ROOF WITH INCLINE FOR SHADING AND IMPROVE RAINWATER RUNOFF DURING HEAVY RAIN ARE MORE SUITABLE.



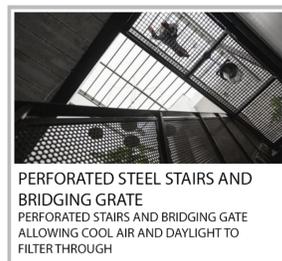
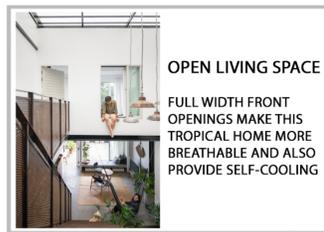
PLANING OF OPENINGS
NOT TO HAVE OPENINGS ON BOTH SIDE OF HOUSE TO PREVENT UNNECESSARY TROUBLE IN FUTURE DEVELOPMENT.

BALCONY OF THE HOUSE FACING TO THE EAST, SINCE THE WEST ARE BLOCKED BY A FACTORY. WHILE IT ALSO ALLOWS MORNING SUN LIGHT TO THE HOUSE.



CONSTRUCTION DETAIL
SCALE 1:30

PANDOMO FLOOR FINISH
-CHEAPER THAN TILES
-MORE PET FRIENDLY THAN TILES



WHITE PAINT
LIGHT COLOURED PAINT OF BUILDING REDUCE HEAT ABSORPTION AND INCREASE HEAT REFLECTION. THIS RESULTS IN A BETTER THERMAL COMFORT OF THE INTERNAL ENVIRONMENT

NATURAL LIGHTING
ALLOWING OF DAYLIGHT ENTERING THE CENTRAL AIR WELL AND INDOOR SPACES

PLANT
THE PLANT ON THE INTERIOR AND EXTERIOR SPACES PROVIDE PASSIVE COOLING TO THE HOUSE AND ALSO REDUCE HEAT GAIN

VERTICAL VENTILATION
THE CENTRAL AIR WELL SKY-LIGHT FAVORS VERTICAL VENTILATION MOVING COOLING AIR FLOWS