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TRANSITIONAL SHELTERING

WITH RELAXING AND HARMONY COMMUNITY

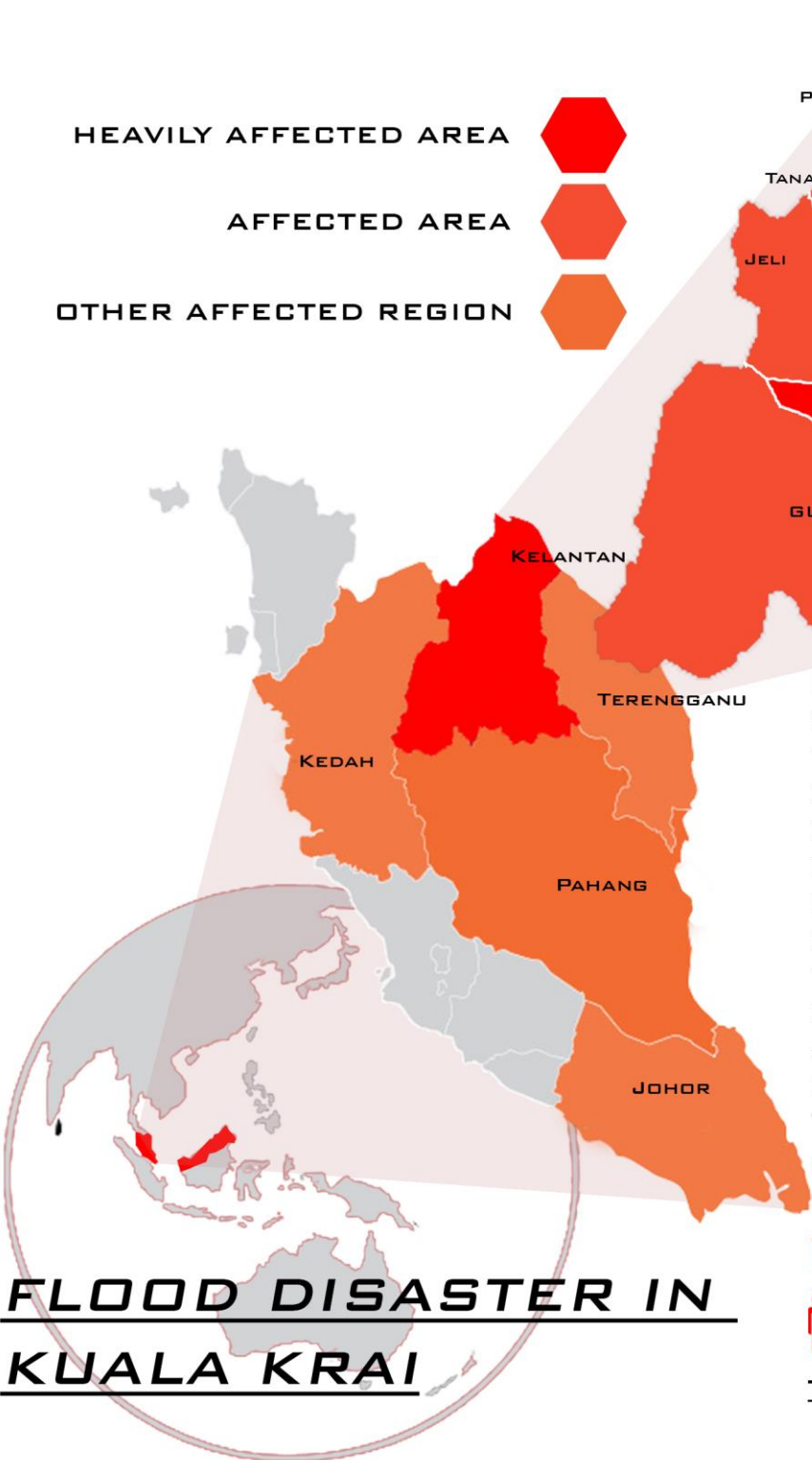
HEAVILY AFFECTED AREA



AFFECTED AREA



OTHER AFFECTED REGION



FLOOD DISASTER IN
KUALA KRAI



LAST YEAR, LATE 2014, ON 17TH DECEMBER , THE WATER LEVEL STARTED TO RISE.EVEN SO, THE VILLAGER JUST KEEP CALM AND SMILING, THOUGHT THAT THIS IS JUST ANOTHER ANNUAL FLOOD THAT CAME BY EVERY END OF THE YEAR. WITH THOUGHT ALL THE PREPARATION HAS BEEN DONE, THEY JUST SAT HOME AND WAIT FOR THE FLOOD TO PASS BY, BUT ON 19TH DECEMBER,THE FLOOD BECAME VICIOUS AND RISE TO THE UNEXPECTED LEVEL, THOUSAND WERE EVACUATED FROM THE HOUSE, LOTS OF PROPERTY SUCH AS CAR HOUSE BEEN DESTROYED OR TAKEN AWAY BY THE CURRENT.25TH DECEMBER, THE FLOOD STILL RISE, EVEN THE SECOND FLOOR OF SCHOOL WHERE ALL OF THE VICTIM EVACUATED SANK BY IT. AFTER 2 WEEKS SINCE WATER RISES, IT DISAPPEARED, LEAVING HUNDREDS OF HOUSE DESTROYED, COUNTLESS OTHER PROPERTY LOSS. THUS THIS TRANSITIONAL SHELTER PROJECT FOCUSED ON MOST AFFECTED AREA, KUALA KRAI.



136 HOUSE DESTROYED.



23,000+ VICTIMS EVACUATED.

TOTAL LOSS AT KUALA KRAI

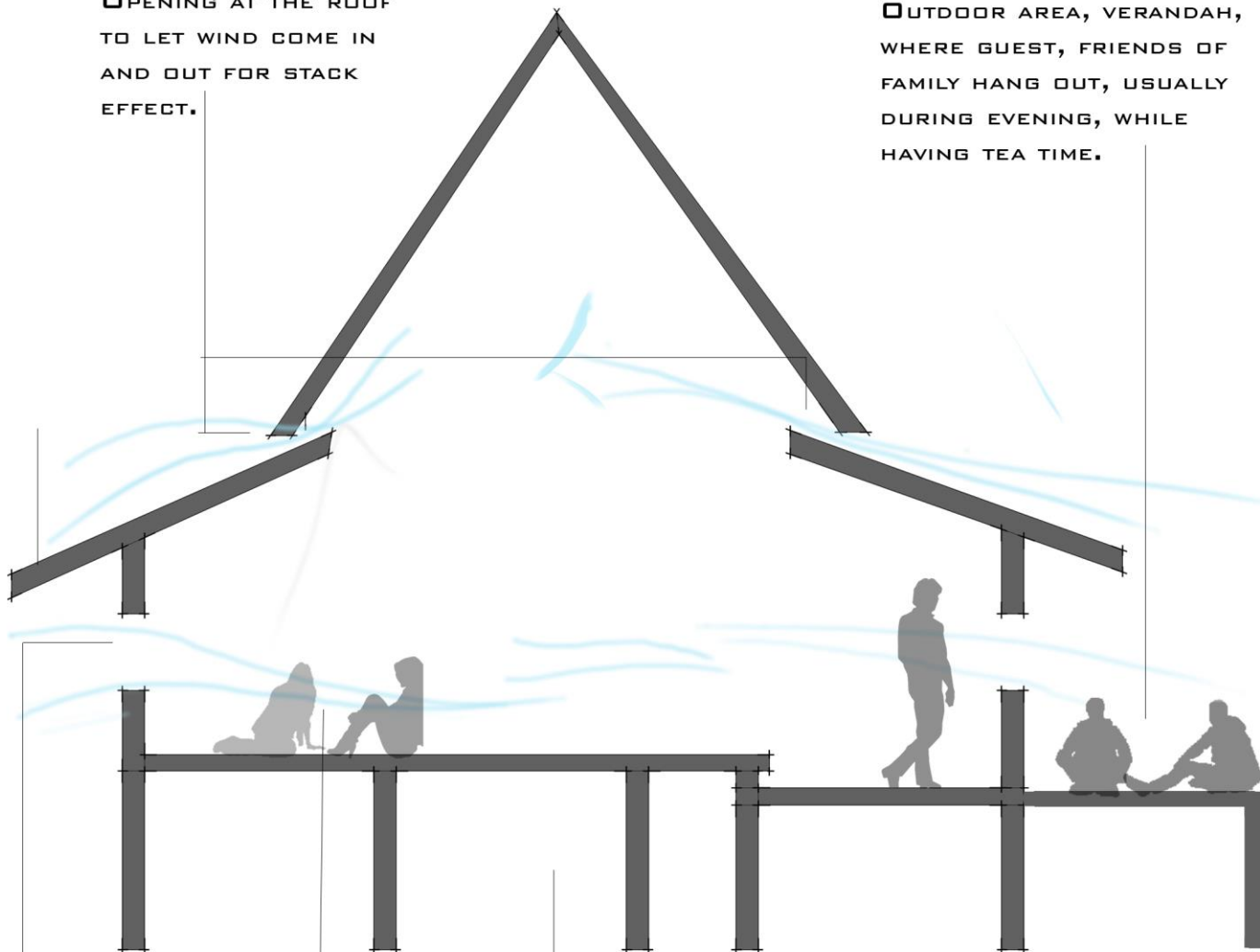
MALAYS TRADITIONAL HOUSE SYSTEMS

--THE MALAYS TRADITIONAL HOUSE UTILIZE WINDS AS THEIR MAIN VENTILATION COMPONENT WITH USE OF STACK EFFECT.

OPENING AT THE ROOF TO LET WIND COME IN AND OUT FOR STACK EFFECT.

OUTDOOR AREA, VERANDAH, WHERE GUEST, FRIENDS OF FAMILY HANG OUT, USUALLY DURING EVENING, WHILE HAVING TEA TIME.

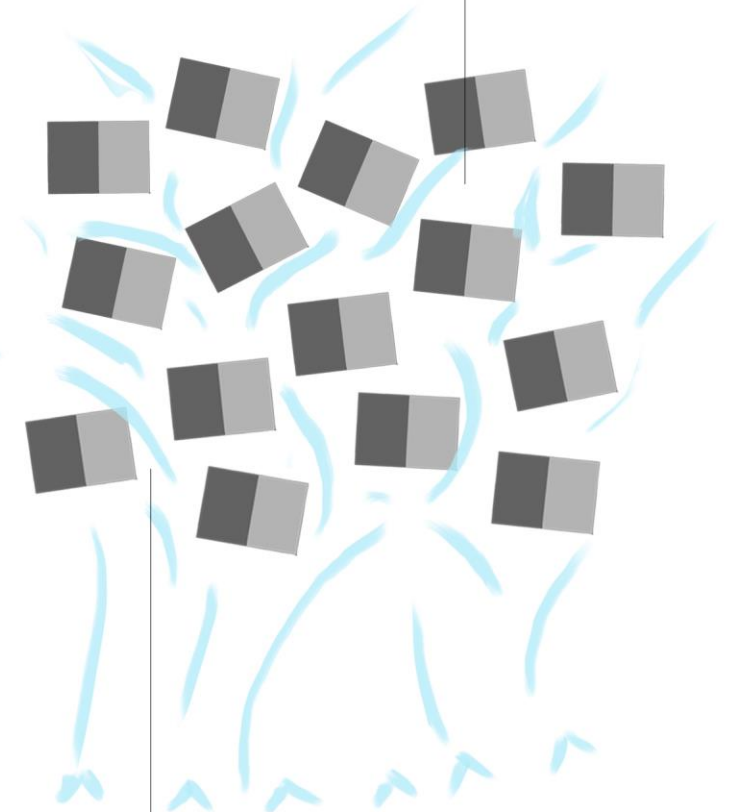
GAP FROM EVERY SHELTER CAN BE THE SPACES FOR KID TO PLAY SO THAT PARENTS OR NEIGHBOURS CAN KEEP EYES ON THEM.



OPENING TO CATCH WIND AND FOR VENTILATION.

SUPSPENDED FLOOR TO PROVIDE COOL FLOOR AND PREVENT HUMIDITY FROM GROUND AT NIGHT.

INTERIOR AREA WHERE FAMILY GATHERED AND SPEND MOST OF THEIR TIME.



SCATTERED ORGANIZATION TO PROVIDE SAFETY FOR NEIGHBORS AND THEIR OWN HOUSE BY MINIMIZE THE BLIND SPOT. WHILE AT SAME TIME FOR LETTING WIND TO PASS TOWARDS OTHER HOUSES.

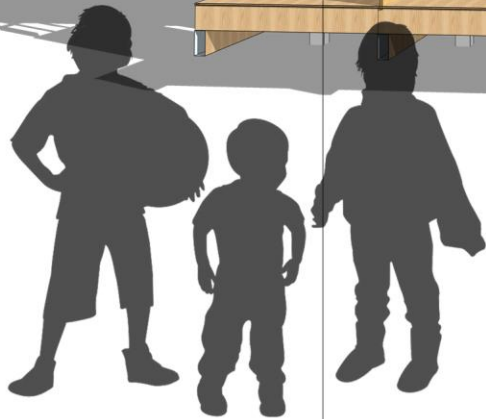
TRANSITIONAL SHELTER

LOW SKILL NEEDED
TO CONSTRUCT ROOF.

MOSQUITO NET USED TO
PREVENT BUGS WHILE
PROVIDE BETTER AIR
CIRCULATION

ROOF USED AS
WIND CATCHER.

OUTDOOR VERANDAH
CAN BE USED AS HANGOUT
SPOT WHERE IT WILL BE THE
CATALYST FOR A HARMONY
COMMUNITY.



CURTAINS BLOWING
AS ONE OF THE
RELAXING
MECHANISM.

OUTDOOR KITCHEN FOR
A PLACE WHERE MOTHER
AND MOTHER CAN COMMUNICATE

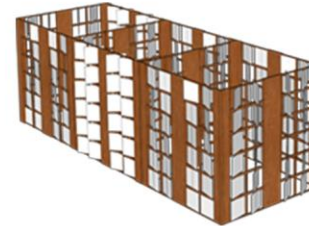
WIND CAN PASS THE BOARD
WITHOUT DISTURBING PRIVACY.
WHILE BOARD PRODUCES
RELAXING SOUND AND MOVEMENT



2 MODULE = 34.5 SQM



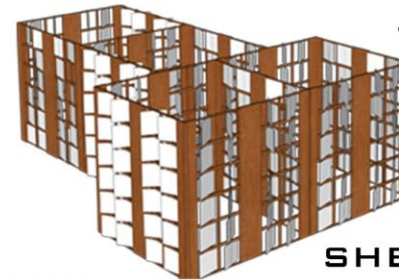
SHELTER FOR FAMILY WITH 2
CHILD



3 MODULE = 41.5 SQM



SHELTER FOR FAMILY WITH 3
OR MORE CHILD.

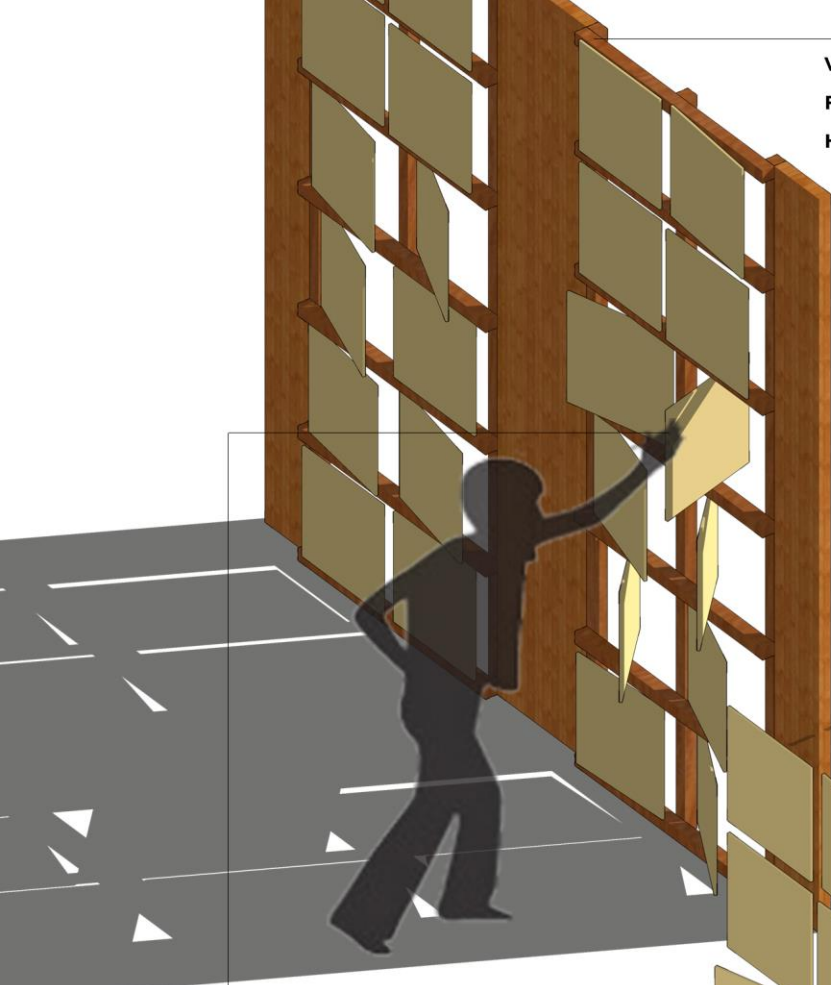


4 MODULE = 49.5 SQM



SHELTER FOR FAMILY WITH
THEIR MARRIED CHILD

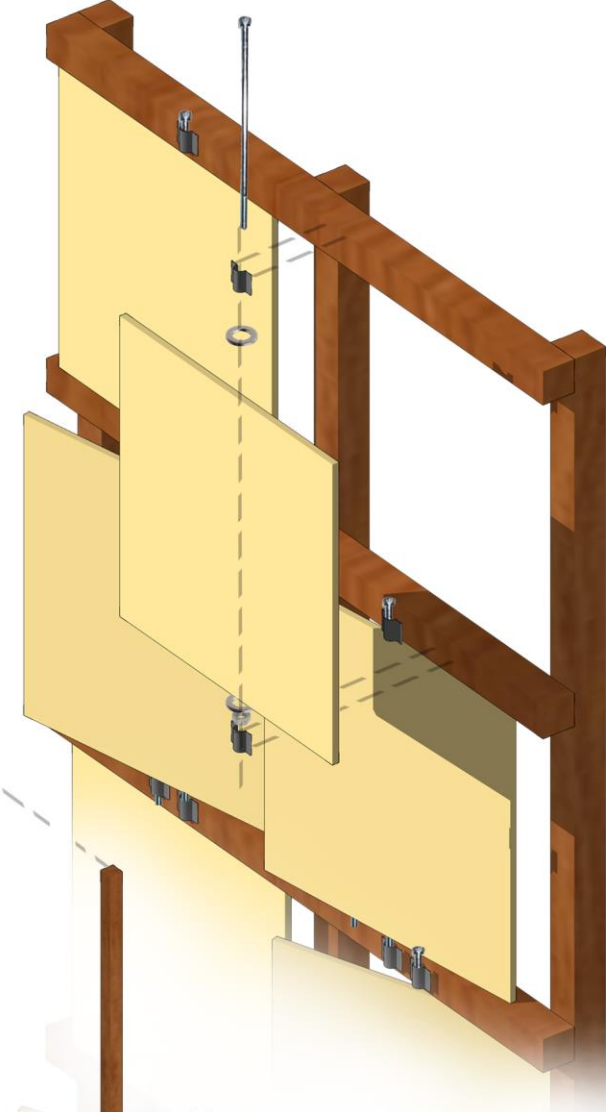
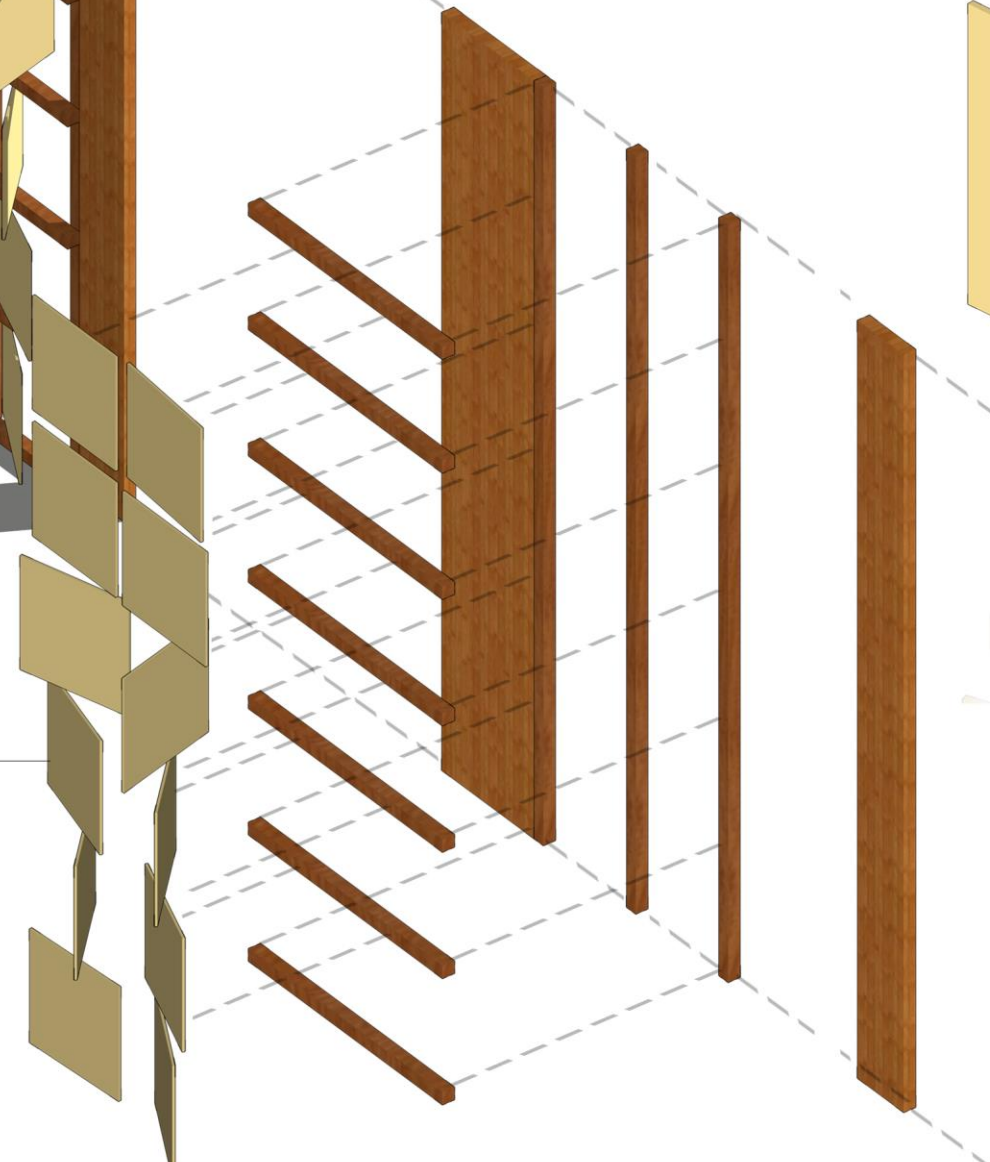
WOODS CAN BE TAKEN FROM THE DESTROYED HOUSE



--INTERACTIVE WALL, CAN BE OPENED FOR LIGHTING,
--AUTOMATICALLY SPIN WHEN PUSHED BY WIND



BOXES CAN BE TAKEN FROM MARKET OR ANY OTHER SHOPS.



--THE CUT AND JOINTING JUST USE A SIMPLE TECHNIQUE,
--JOINTING JUST USE NAIL OR SCREW.

TRANSITIONAL SHELTER

ORGANIZATION

GAP FROM EVERY SHELTER CAN BE THE SPACES FOR KID TO PLAY SO THAT PARENTS OR NEIGHBOURS CAN KEEP EYES ON THEM FROM ANY HARM OR OUTSIDER.

MEN'S TOILET



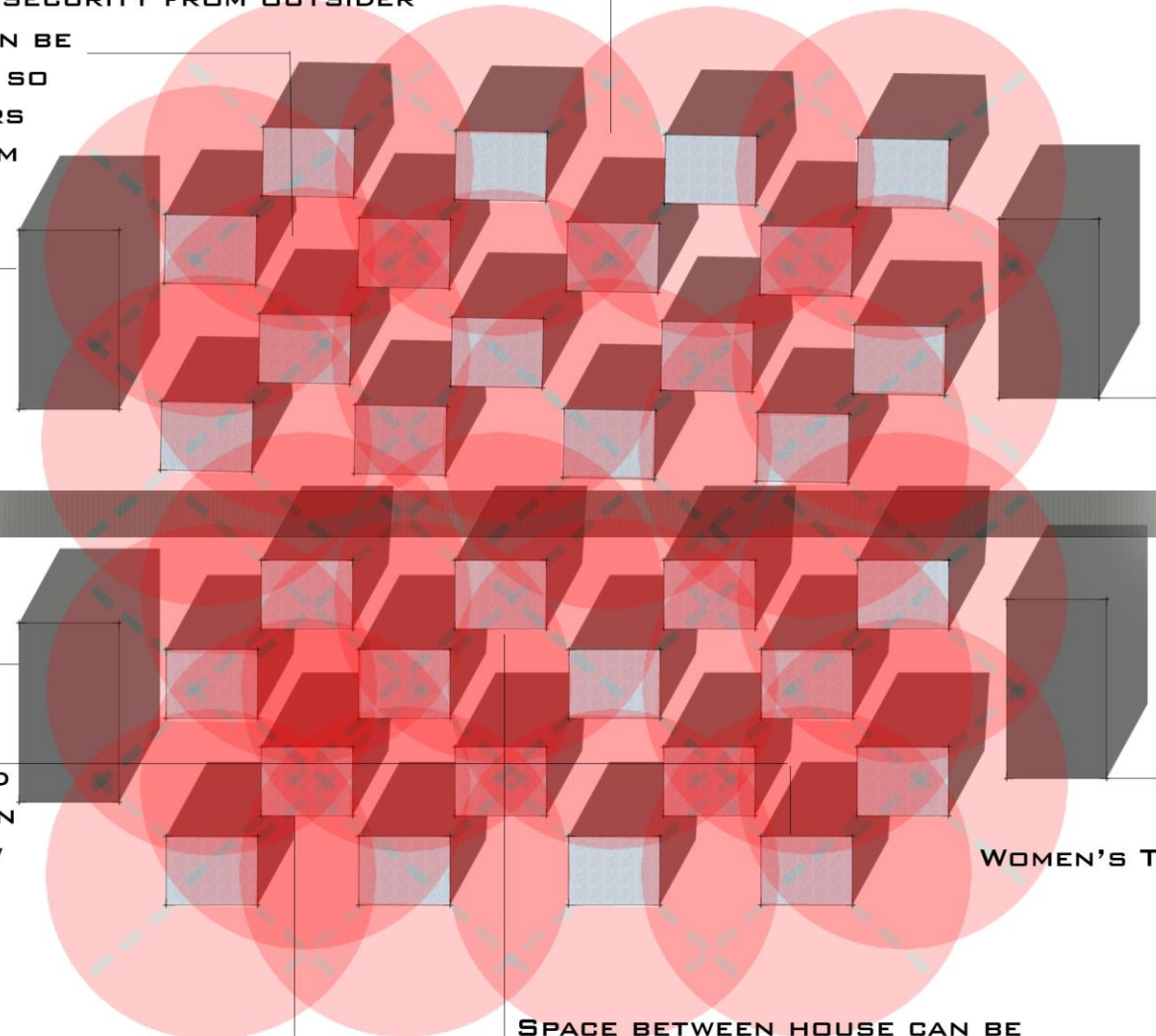
VERANDAH USED AS HANGING OUT SPACE.

THE VERANDAH THAT CAN BE USED AS HANGOUT SPOT FOR FAMILY CAN ENSURE THE COMMUNITY TO KNOW AND TALK TO EACH OTHER.



THE COMMUNITY HELPING EACH OTHER WHEN CLEANING THE AREA.

OVERLAPPING VIEW FROM EVERY SHELTER ENSURE BIGGER SIGHT THUS PROVIDE SECURITY FROM OUTSIDER



WOMEN'S TOILET

OUTDOOR KITCHEN IS TO ENSURE THE COMMUNICATION BETWEEN MOTHER, THUS HELP THEM GETTING KNOW EACH OTHER AND PROVE HARMONY COMMUNITY.

SPACE BETWEEN HOUSE CAN BE USED AS WALKWAY, WHICH WILL BE CATALYST FOR THEM TO KNEW EACH OTHER. WHILE PROVIDE SECURITY FROM THIEF OR OUTSIDERS.

--SEPARATE MEN AND WOMEN BATHING SPACE TO ENSURE THE WOMEN SAFETY.

BOXES GATHERED
WOODS STARTED
TO BE CUT.

FRAMES BEING ASSEMBLED
STUDS CONSTRUCTION
FINISHED

**ROOF STARTED TO BE
ASSEMBLED ON SHELTER**

FINISHED CONSTRUCTION

WOOD GATHERED
THE SHELTER STUDS
CONSTRUCTION STARTED.

**WALL PANELS START TO BE
ASSEMBLED IN SHELTER**
ROOF TRUSS STARTED
TO BE CONSTRUCTED ON
THE GROUND

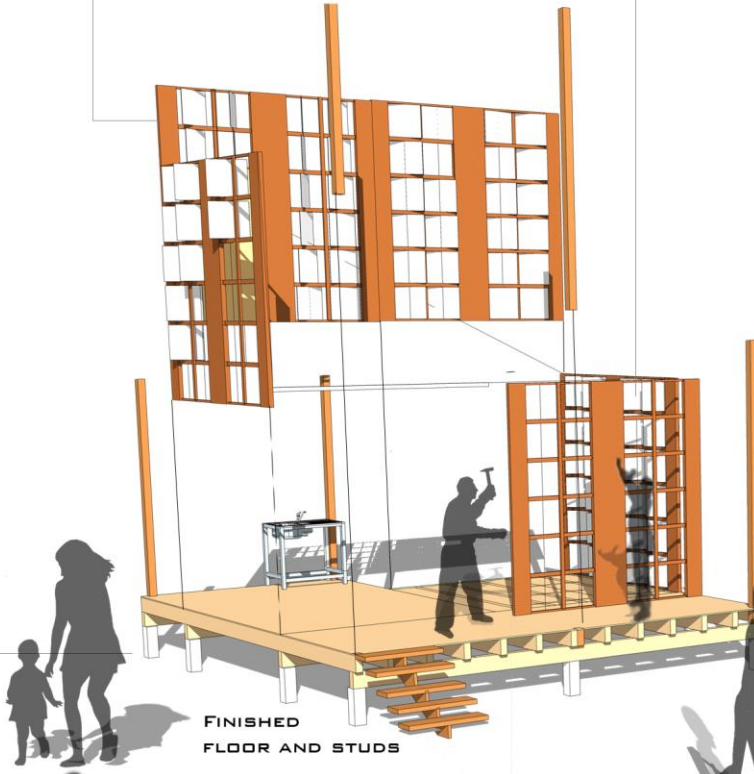
**BOX PAPER AND CURTAIN
START TO BE ASSEMBLED**



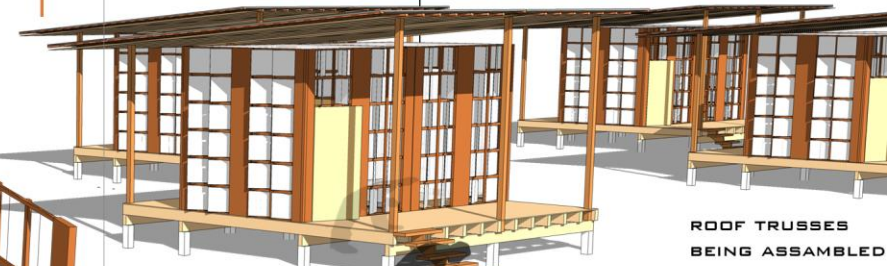
SOURCE OF WORKER



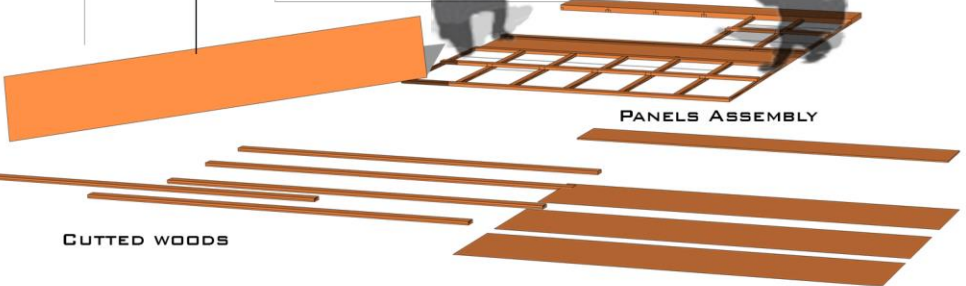
SOURCES OF WOODS



FINISHED
FLOOR AND STUDS



ROOF TRUSSES
BEING ASSEMBLED



PANELS ASSEMBLY

CUTTED WOODS



FINISHED PANELS
TO BE ASSEMBLED



FINISHED ROOF



CONSTRUCTION TIMELINE

SOURCES OF BOXES





VICTIMS OF FLOOD

VICTIMS OF FLOOD CAN BE USED AS THE WORKER BECAUSE THE LOW SKILL REQUIRED.



DESTROYED HOUSE CAN BE USED AS SOURCES OF TIMBER

DESTROYED HOUSE



ACTOR INVOLVED



VICTIMS OF FLOOD CAN WORK TOGETHER TO CONSTRUCT THE TRANSITIONAL SHELTER,

VICTIMS OF FLOOD ALSO CAN USED THEIR OWN TIMBER FROM DESTROYED HOUSE TO BUILT TRANSITIONAL SHELTER.

VICTIMS CAN COMMUNICATE WITH EACH OTHER AND HELP THEM EASE THEIR STRESS AND THEIR DEPRESSIONS.