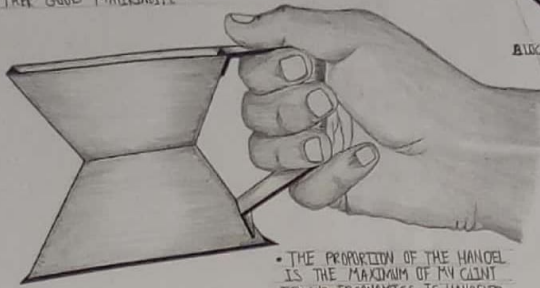


NAME - NATNAEL MAMO
ID NO - ETR/0418/09

• CONCEPT - INTERCHANGABILITY THE SIS -

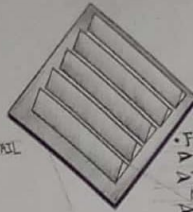
• ARTIFACT - FURNACE

• THE ARTIFACT IS TRADITIONAL ETHIOPIAN FURNACE USED IN A COFFEE CEREMONY CHASEN BY THEIR WORKING TECHNIQUE THEIR GOOD MATERIALITY



• THE PROPORTION OF THE HANDLE IS THE MAXIMUM OF MY CUNT FINGER ERGONOMICS IS HANDLED 3 MODEL FINGERS AND SUPPORT EASY

EXTRACTED DETAIL



BLIND
HORIZONTAL SECTION CORD
ALLOY

• FUNCTION OF THE ORIEL
➤ TO FIRE THE COAL
➤ TO HOLD THE COAL DO NOT FALL IN THE HOLE
➤ FILTER THE ASH TO THE COAL

IF THE NEGATIVE AND POSITIVE GAPE OF THE CHARCOAL HOLDER MADE BY FOLDING INACHES AIR AND ASH TO INTERCHANGE THEN WE CAN CREAT THE DHELL AND MOVEMENT SPACE WHICH INTERMIT SPACE TO REGULATE THE HARSH ENVIRONMENT

• TECHNIQUE - FOLDING

• THERE ARE SO MANY FOLDING TECHNIQUE SO MY FOLDING TECHNIQUE EXTRACT FROM THE ARTIFACT AND I AM USING KINK FOLDING METHOD BELOW IN THE FIGURE.



• MATERIAL - STEEL

STEEL IS AN ALLOY CONSISTING MOSTLY OF IRON WITH CARBON BETWEEN 0.3% AND 2% BY WEIGHT

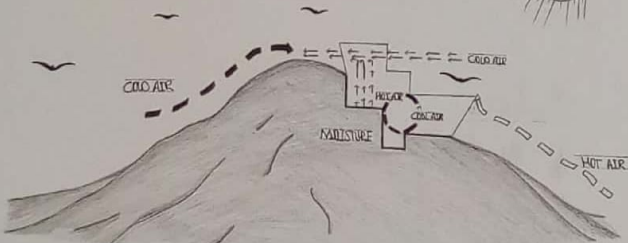
- SOME PROPERTIES OF STEEL
- DUCTILITY
 - COATING
 - DURABILITY
 - WELDABILITY
 - STRENGTH
 - ALLOYING
 - CONDUCTIVITY

• SITE - 2

• THE SITE IS HILL SHAPED MOUNTAIN THE COOL AIR MOVES FROM THE TOP AND TO DOWN HILL THE HOT AIR RISES TO MOUNTAIN TOP AND BECOMES DENSE AND COOLER



• CLIMATE - HOT & DRY



• PROGRAM - TRADITIONAL PREPARATION OF BOROE

• EARLY SELECT IN SITE THE FINEST EARLY AND TRANSPORT



• ROASTING THE EARLY TO GET THE IMPORTANT PART OF THE EARLY AND DISPOSAL UN WANTED PART

• FERMENTATION IS NEEDED ABOUT 3 DAYS TO 5 DAYS AS NEEDED



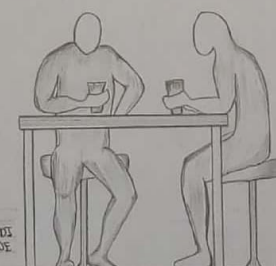
• SHAVING THE EARLY IN THE MAXIMUM LEVEL TO WORKABLE



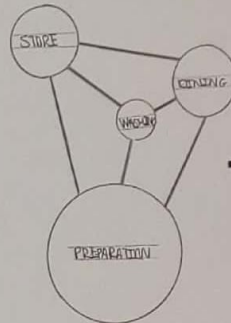
• GRINDING THE EARLY BY TRADITIONAL GRINDING TECHNIQUE



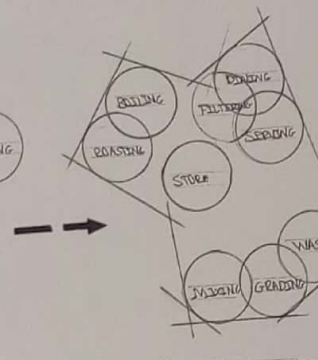
• SERVE AND SIT TO DRINK THE TRADITIONAL DRINK BOROE



• FORM & SPACE EVOLUTION



① MAIN PROGRAM WITH AREAS



② RE-GROW ACTIVITY

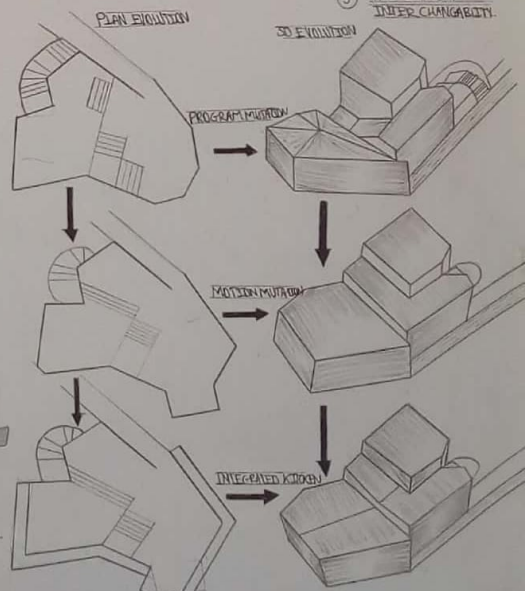


PARAMETER - HEAT INTENSITY

- HIGH - BOILING
- ROASTING
MEDIUM - FILTERING
- COOKING
LOW - MIXING
- SEEDING AND EATING

• 3D PLAN EVOLUTION

• THE MOST PLANS FED CHURCHES ON OVER IN THE HARBOR & INTEGRATION



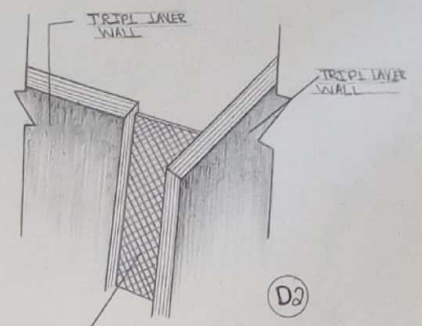
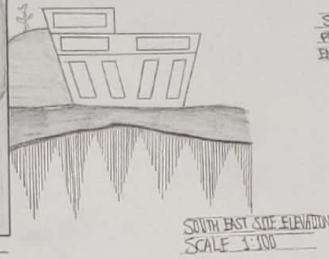
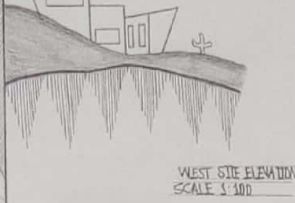
③ THE CONCEPT INTER CHANGABILITY

PLANS

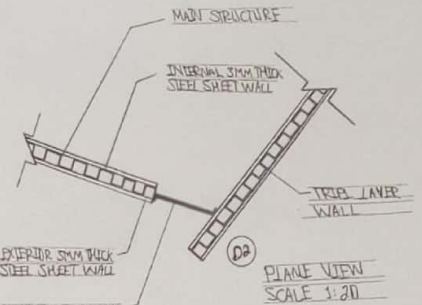
DETAILS



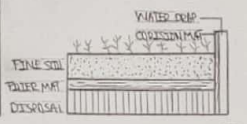
- ① MAIN BUILDING ⑤ ALTERNATIVE ROAD
- ② MAIN ACCESS ⑥ VEGETATION
- ③ CONTEXT



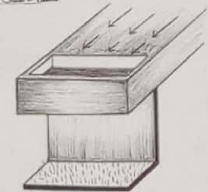
STEEL WIRE
PREVENTING HARM
ENVIRONMENTAL THINGS



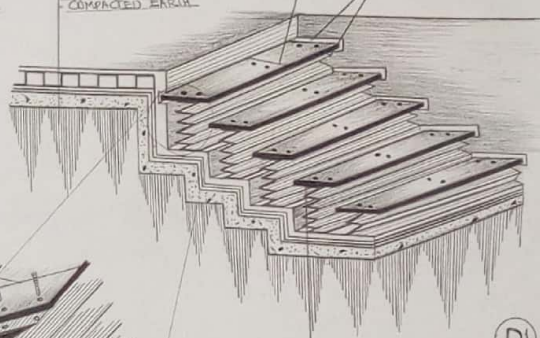
• VEGETATION PLANTING SYSTEM
LAYERED BY 3 HORIZONTAL &
TWO VERTICAL LAYING SYSTEM
CLASSIFIED THE SOIL IN THE STEEL SHEET



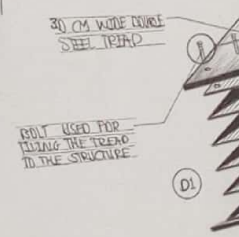
• WHEN THE RAIN FALL COMES
THE STEEL IS FLORED DOWN &
STORE THEN SMALL DRIPS
BRING VEGETATION BY USING
STEEL PILES



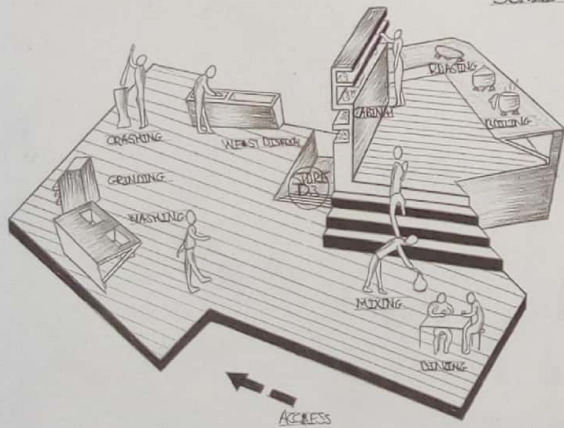
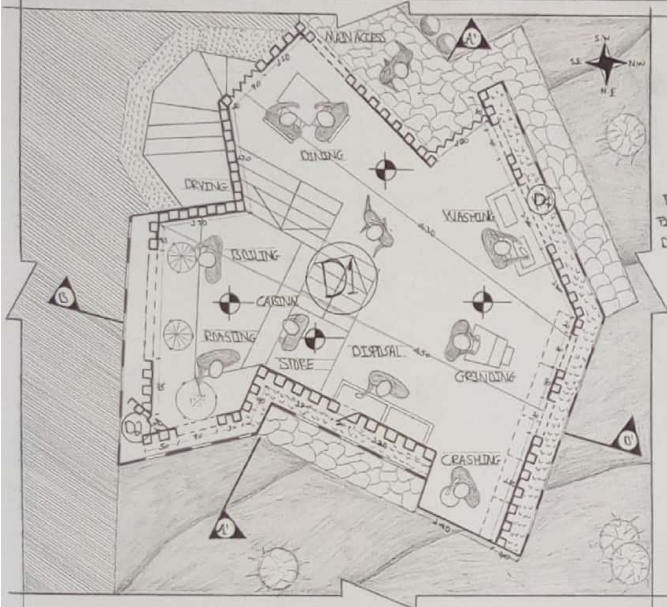
• 4MM STEEL SHEET IF
FOLDED STRUCTURAL FRAME SYSTEM
CUSHION MAT
SELECTED MATERIAL
COMPACTED EARTH



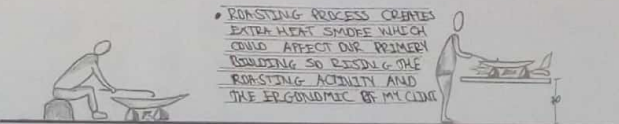
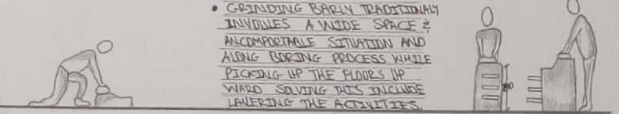
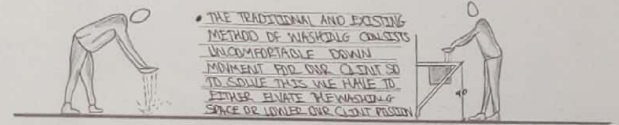
30 CM WIDE DOUBLE STEEL TREND



• BOLT
DOUBLE STEEL TREND
FOLDED STRUCTURAL SUPPORT
3 MM THICK STEEL SHEET
CUSHION MAT
SELECTED MATERIAL
COMPACTED SOIL



CONCEPTUAL SKETCHES

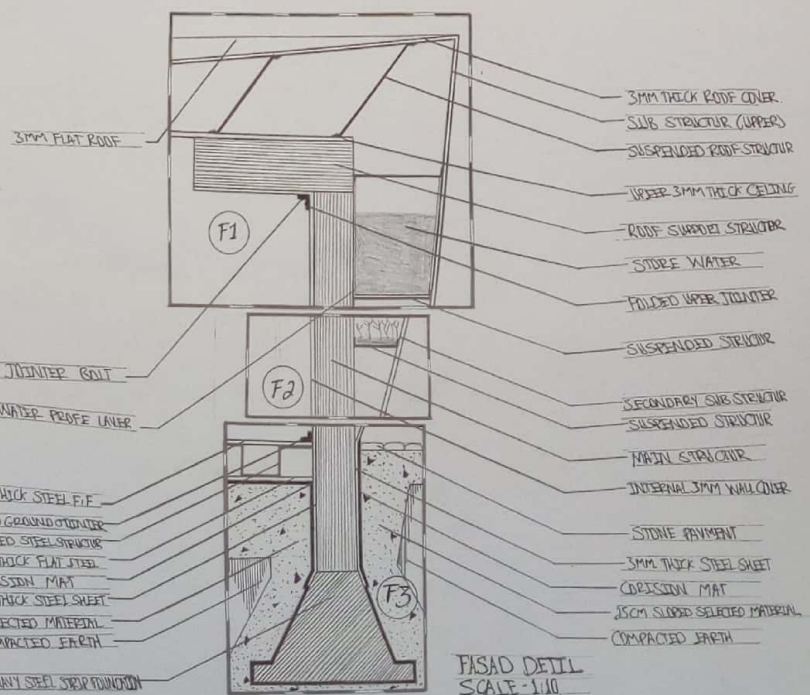
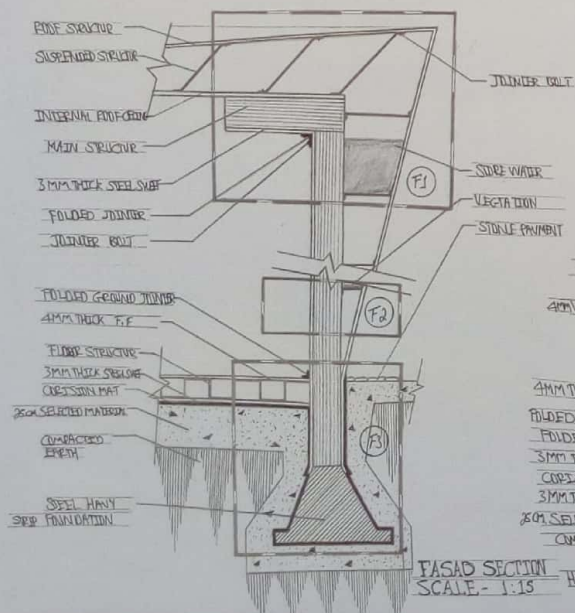
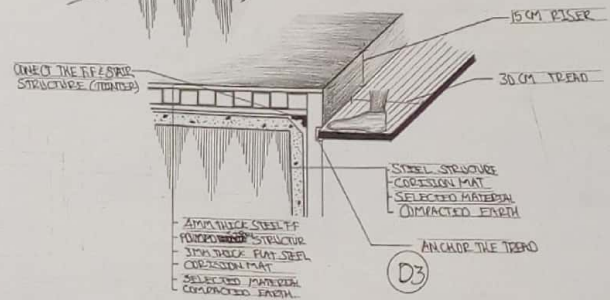
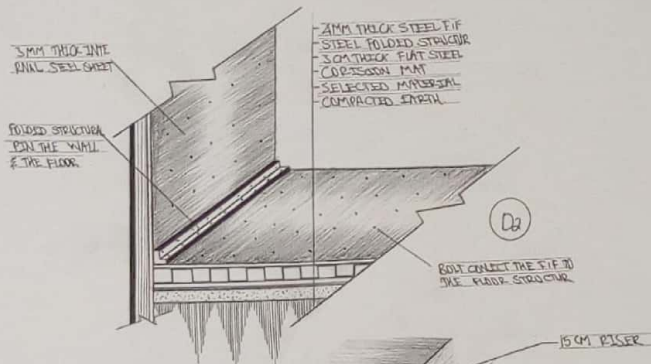
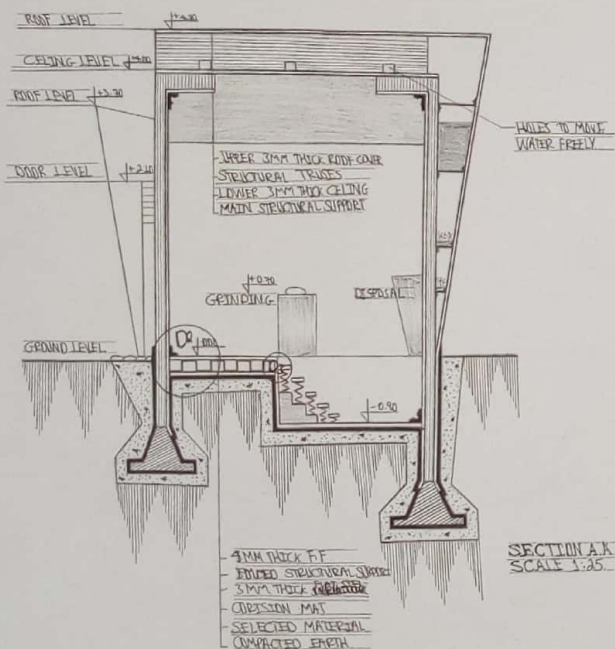
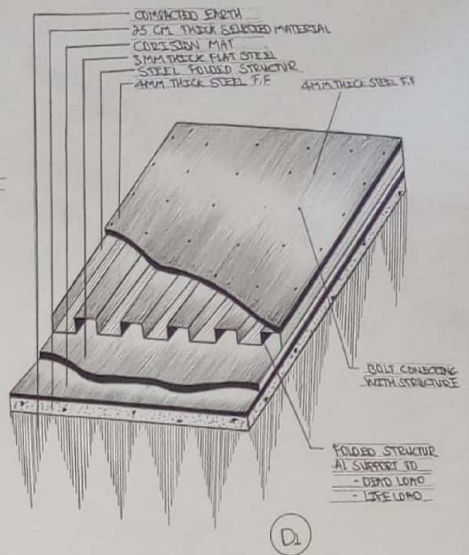
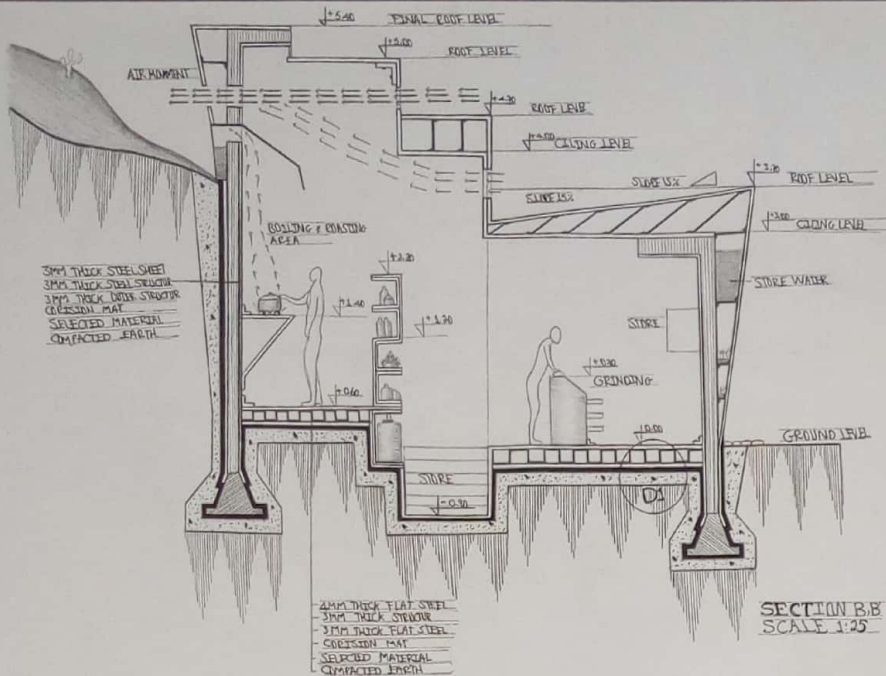


• THE STORE IS TWO MAIN AND
IN FIRST TO STORE THE COARSE
KITCHEN ACTIVITY MATERIALS
(THE SECOND WAY STORE WATER
GROUND SO I DESIGN THE WATER
LEVEL TO COME OVER & PREPARE

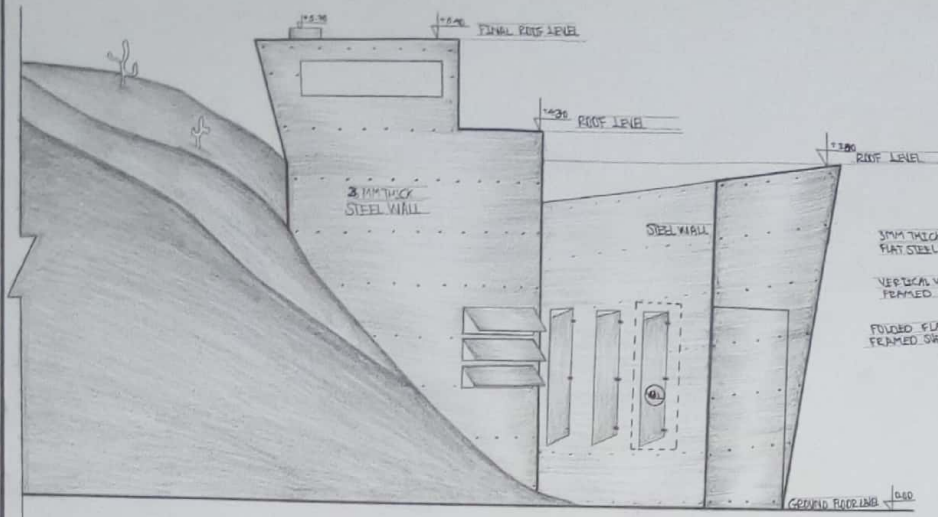
D3

SECTIONS

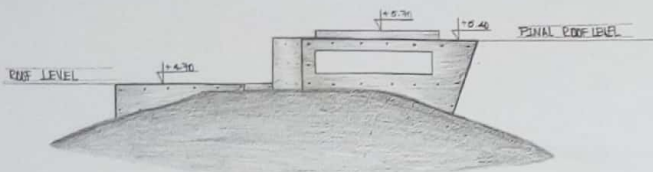
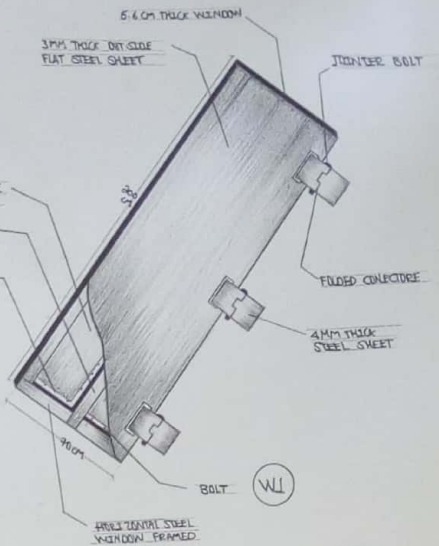
DETAILS



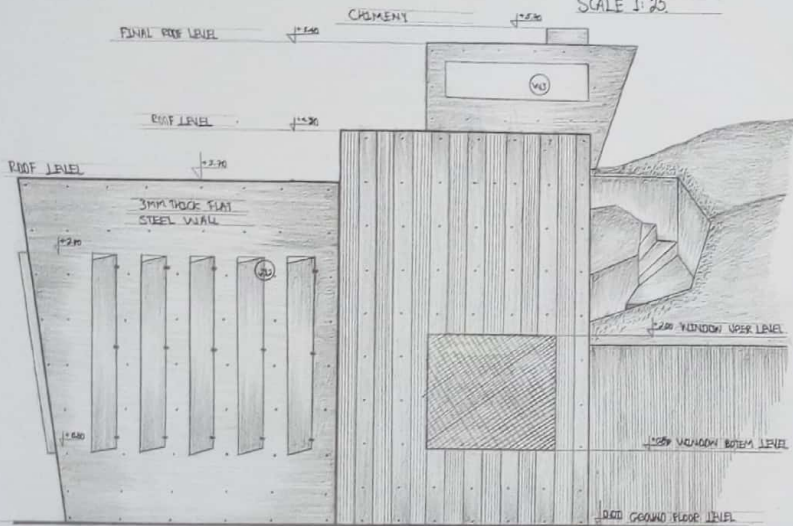
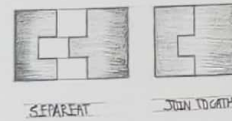
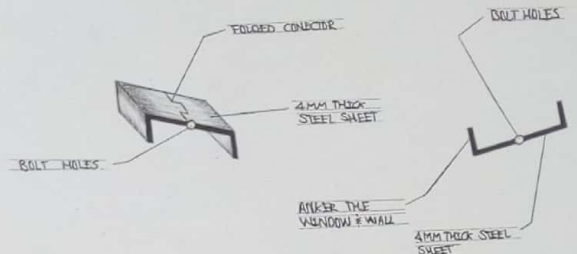
WINDOW DETAIL



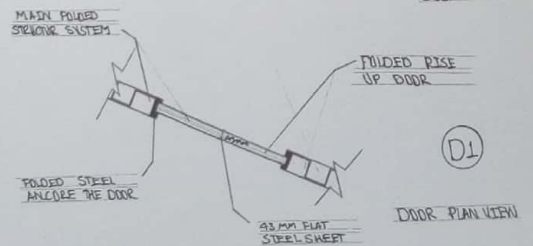
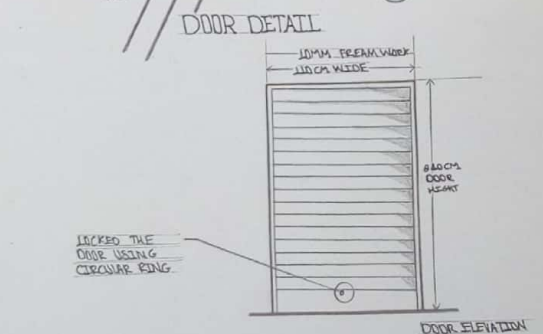
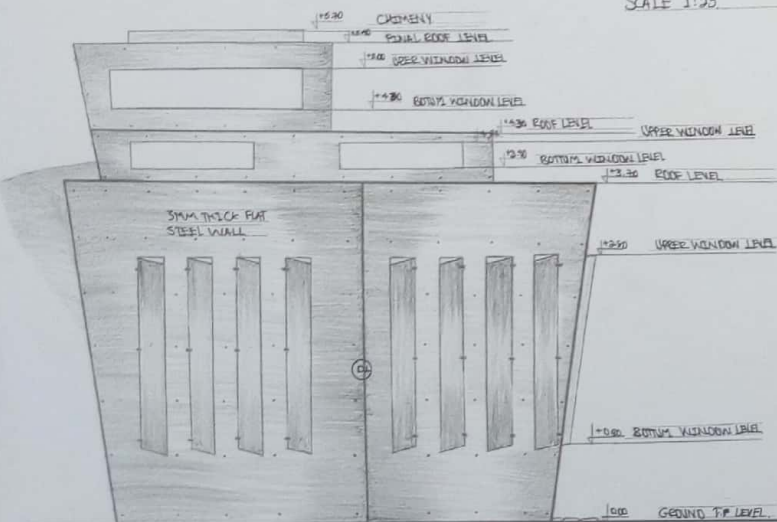
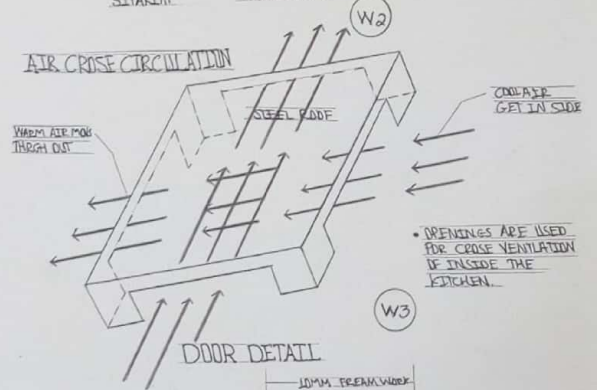
SOUTH EAST ELEVATION
SCALE 1:25



SOUTH WEST ELEVATION
SCALE 1:25



NORTH WEST ELEVATION
SCALE 1:25



PERSPECTIVE EXPLoded WITH DETAIL

