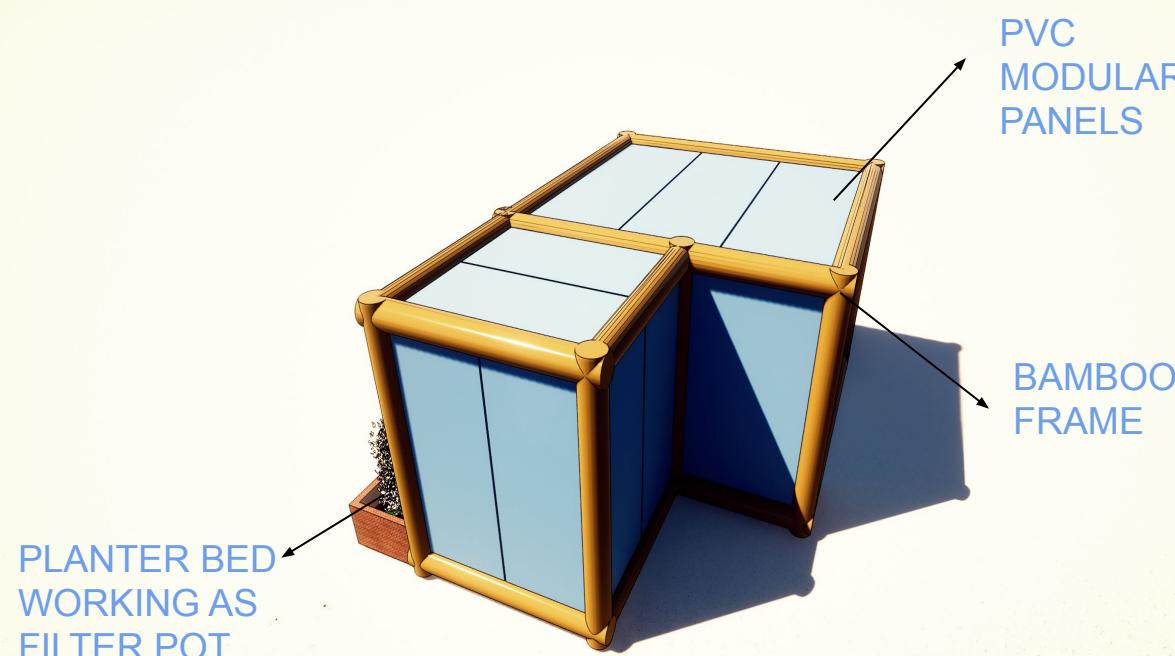


## DESIGN CONCEPT

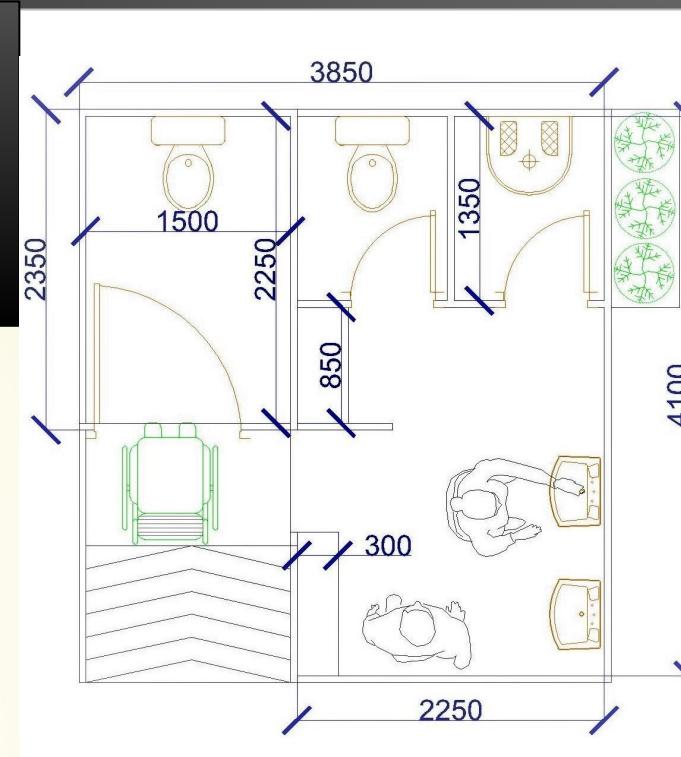
THE AIM IS TO DESIGN A MODULAR, SUSTAINABLE AND HYGIENIC SPACE FOR GIRLS IN SCHOOLS ALL AROUND THE COUNTRY.

- THE UNIVERSAL SOLID SHAPE IS TAKEN INTO CONSIDERATION TO AVOID ANY KIND OF COMPLEXITY IN THE STRUCTURE.
- TO ENSURE LEAST COMPLEXITY IN THE OVER- ALL DESIGN, ONLY TWO TYPES OF MATERIALS ARE USED.
- MATERIALS USED ARE ECONOMICALLY Viable AND EASILY TRANSPORTABLE.
- THIS DESIGN HAS MADE THE CIRCULATION OF THE STUDENTS BARRIER- FREE.
- AN EFFORT TO MAKE THE DESIGN INVOLVED WITH NATURE IN ORDER TO REDUCE WASTAGE OF WATER- NATURAL RECYCLING OF UREA INTO WATER THAT CAN BE USED FOR PLANTS BY PASSING THE DILUTED UREA THROUGH ACTIVATED CHARCOAL, CRUSHED LIMESTONE AND SAND.

THIS DEPICTS THE EVOLUTION OF THE FORM THAT HAS BEEN USED IN ORDER TO CREATE THE IDEAL SPACE FOR A MODULAR SETUP WHICH CAN BE EASILY INSTALLED IN VARIOUS PARTS OF INDIA WITHOUT ANY CONVOLUTION.

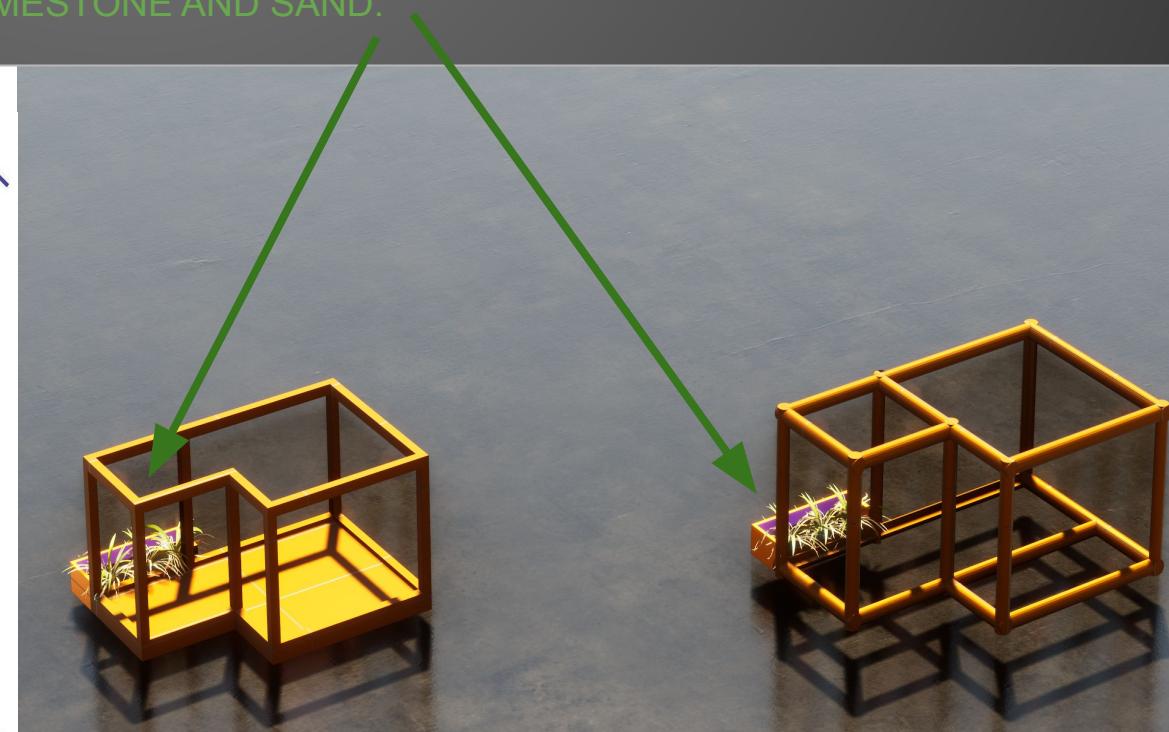


THE FIGURE ABOVE SHOWS THE TENTATIVE DESIGN MODEL OF THE TOILET. THE IDEA IS TO USE MODULAR PANELS INSERTED INTO FRAMES MADE UP OF BAMBOO, IF AVAILABLE. OTHERWISE, STEEL FRAMES CAN ALSO BE USED AS AN ALTERNATIVE. ONLY TWO MATERIALS ARE USED- BAMBOO AND PVC.



FLOOR PLAN

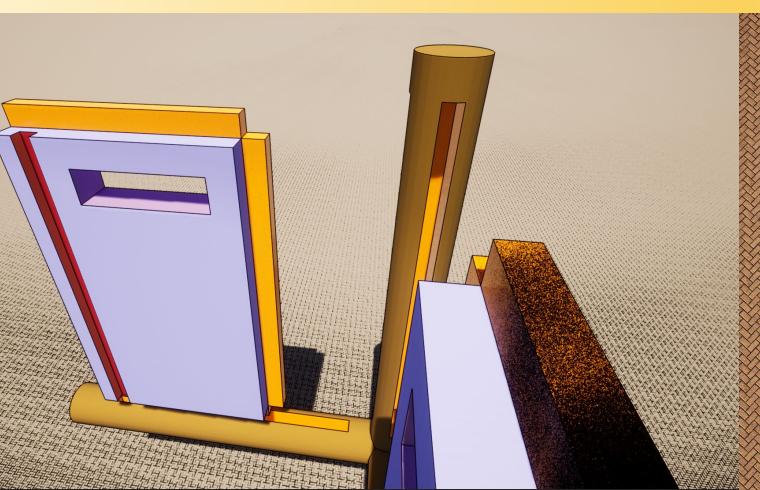
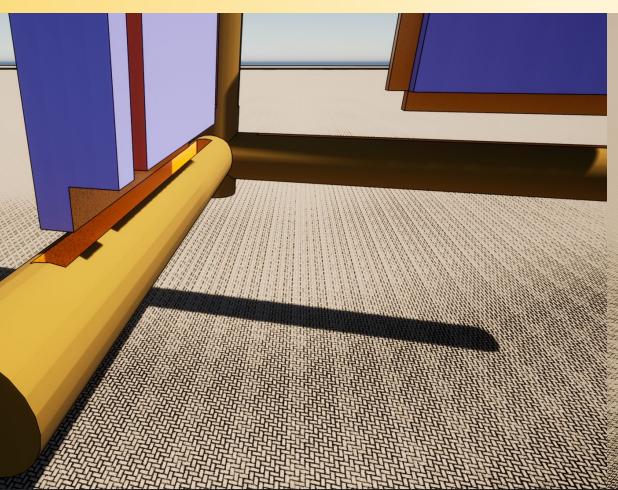
FIXTURE INSTALLED	COST/ UNIT	PRODUCT DETAIL	TOTAL COST
WASH BASIN	2080	Mihelangelo Basin	4160
WATER CLOSET	5279	One piece wall mounted Hindware F920012CP	10558
HEALTH FAUCET	485	ABS Health Faucet for Bathroom (Chrome Finish)	970
CISTERN	993	Hindware Sleek Smart PVC Cistern (Starwhite)	1986
FAUCET	676	Hindware F330041CP Bib Cock (Foam Flow) (Contessa Plus) with Chrome Finish	1352



HINDWARE SANITATION PRODUCTS ARE USED IN THE DESIGN. A LIST IS PROVIDED WITH PRODUCT DETAILS.

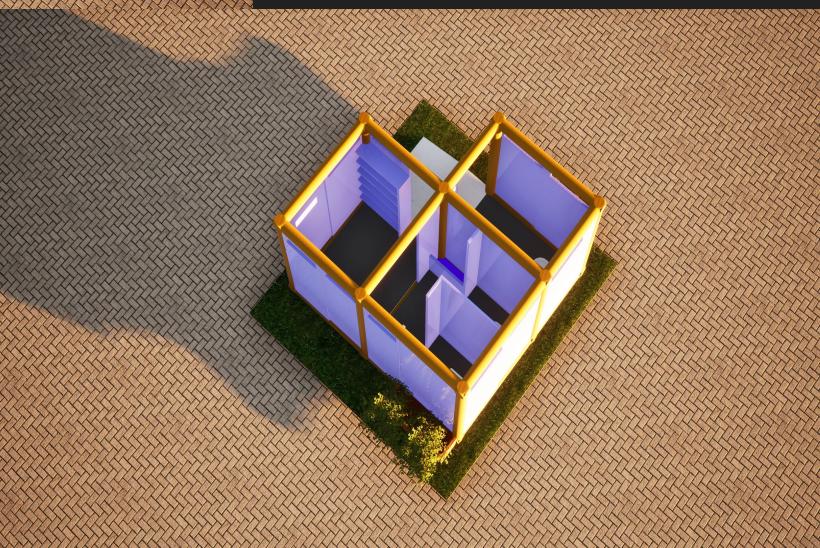
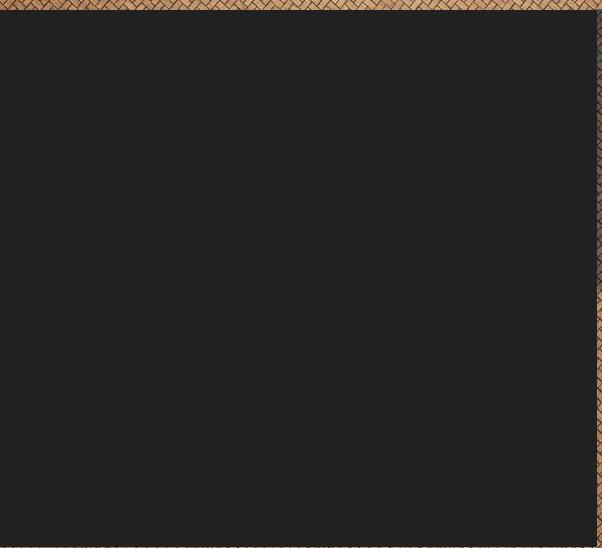
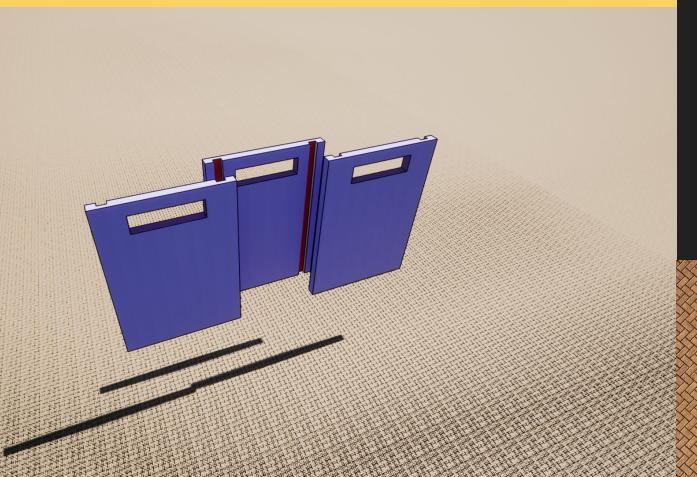
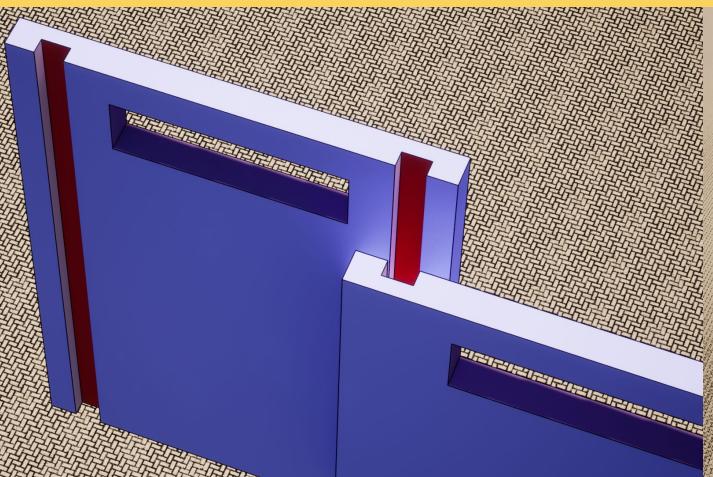
## DETAILS OF JOINERIES

## VIEWS OF THE INSTALLATION



### DETAILS OF FRAMES AND PANELS

- GROOVES OF DIMENSIONS 50X50X50 (mm) HAVE BEEN DEVELOPED FOR THE PANELS TO FIT INSIDE THE BAMBOO FRAME, FIXED USING BOLTS AND ADHESIVES.
- THE JOINTS ARE COMPACT WHICH ELIMINATES ANY KIND OF FLOW OF AIR WHICH MIGHT DISTURB THE INTERNAL TEMPERATURE.



### DETAILS OF PANEL JOINTS

- THE THICKNESS AND HEIGHT OF ONE PANEL IS 50 mm AND 2700 mm RESPECTIVELY, WHICH MAKES IT EASY TO TRANSPORT.
- TWO PANELS ARE INTERCONNECTED AND TIGHTLY PACKED WITH LAP JOINTS (25X25X25) WHICH COVERS ALL THE GAPS, HENCE ELIMINATING ANY PRIVACY ISSUE.
- EACH PANEL HAS AN OPENING OF 800X200 AT A SILL HEIGHT OF 2300 mm TO ENSURE THE PROPER FLOW OF AIR AND SMELL.

COST ESTIMATION			
MATERIALS USED	COST/ UNIT AREA	AREA REQUIRED	TOTAL COST
BAMBOO FLOORING	90/ SQ. FT.	150	13500
BAMBOO FRAMES	220/ SQ. FT.		1760
PVC	40/ SQ. FT.	75x8	24000

