NAME : YUDESH SK

UNIVERSITY : CRESCENT SCHOOL OF ARCHITECTURE

SUPERVISER : AR. SARITHA

PROJECT DESCRIPTION

The project aims to redefine a conventional bus shelter into a climate-responsive and user-oriented public transit space. The design harmonizes with the surrounding urban environment while incorporating sustainable and functional design strategies suitable for Chennai climate conditions. The project focuses on improving public comfort, circulation efficiency, and social interaction through innovative spatial planning and flowing architectural geometry. It also helps in understanding public space design methodologies, zoning, climatic response, material applications, and standards required for transportation infrastructure design.

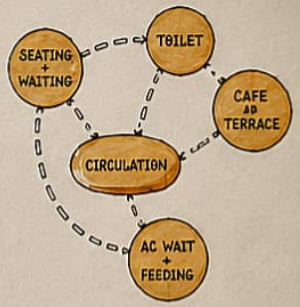
CONCEPT SHEET ~ FLOWING GEOMETRY

→ INSPIRED BY ORGANIC CURVES OF "BUS STOP LIPSKHEID".
→ COMBINED WITH FUNCTIONAL GEOMETRIC ZONING.
→ FORM FOLLOWS MOVEMENT, COMFORT AND CLIMATE.

CONCEPT -

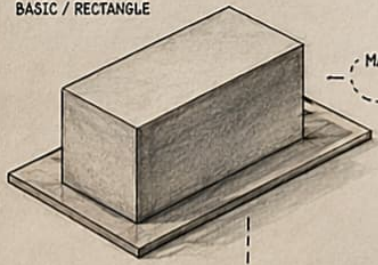
THE BUS SHELTER TRANSLATES FLOWING GEOMETRY INTO A FUNCTIONAL TRANSIT HUB BY COMBINING MOVEMENT - INSPIRED FORM WITH PUBLIC COMFORT, INTEGRATING SEATING, CAFE TERRACE, SANITATION AND CLIMATE - RESPONSIVE SHELTER.

BUBBLE DIAGRAM -

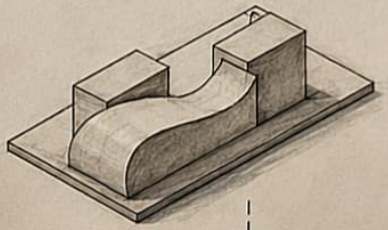


CONCEPT EVOLUTION -

STEP I :
BASIC / RECTANGLE

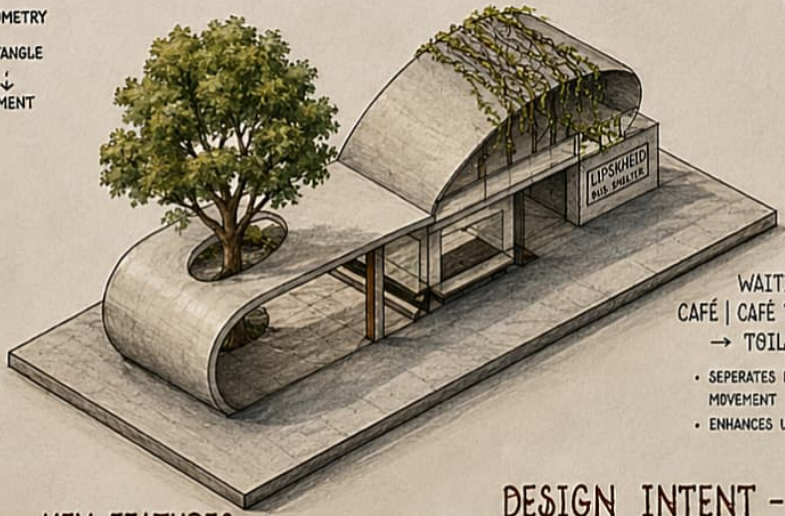


STEP II :
MOVEMENT LINES



STEP III :
FORM / CURVED SHELL FORM

BUS SHELTER INTEGRATING WAITING, CAFE TERRACE, TOILETS AND CIRCULATION.



ZONING STRATEGY -

WAITING → CIRCULATION → CAFÉ | CAFÉ TERRACE → AC WAITING + FEEDING → TOILET.

- SEPERATES FAST AND SLOW MOVEMENT
- ENHANCES USER COMFORT
- CLEAR PEDESTRIAN CIRCULATION
- PUBLIC TO PRIVATE ZONING

KEY FEATURES -

- FLOWING SHELL ROOF
- INFORMATION DISPLAY
- LANDSCAPE BUFFER
- CLIMATE - RESPONSIVE SHADING

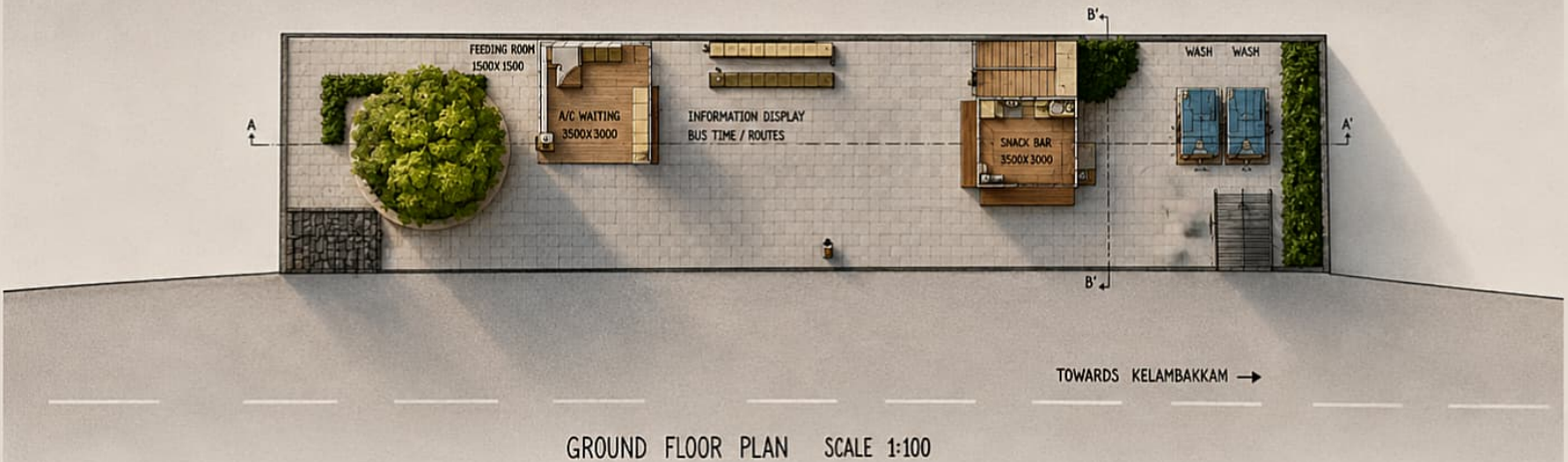
DESIGN INTENT -

TO REDEFINE A CONVENTIONAL BUS SHELTER INTO A SOCIALLY ACTIVE, CLIMATE - RESPONSIVE PUBLIC SPACE THAT ENHANCES TRANSIT THROUGH COMFORT, FUNCTIONALITY AND IDENTITY.

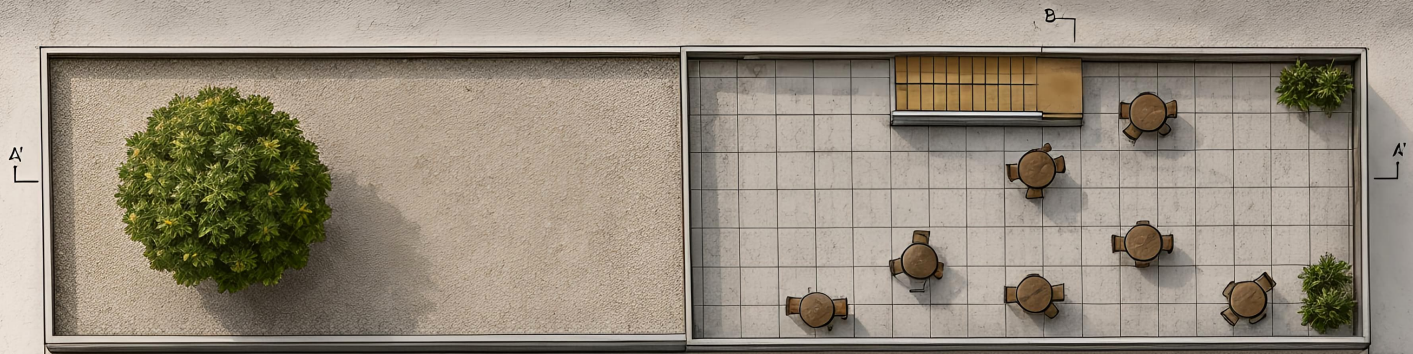
MATERIAL PALETTE

- RCC FOUNDATION & BASE
- WPC FINISHED SEATING
- UV-COATED POLYCARBONATE ROOFING
- PLASTERED CONCRETE WALLS
- TOUGHENED GLASS PANELS
- CREEPER SHADING

SITE PLAN SCALE 1:100

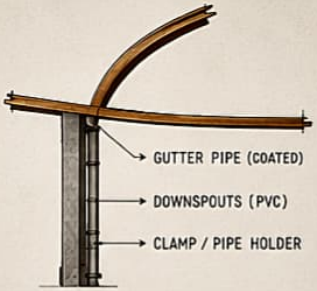


GROUND FLOOR PLAN SCALE 1:100



FIRST FLOOR PLAN SCALE 1:100

DETAIL AT K



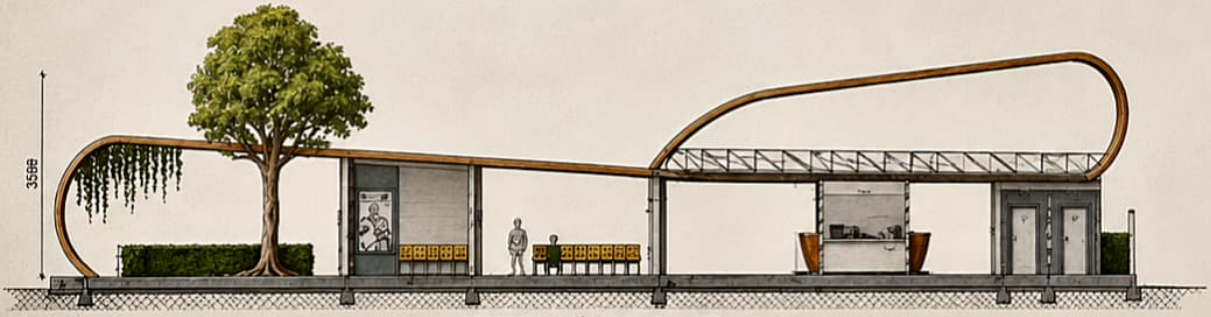
DETAIL AT L

CONCEPT -

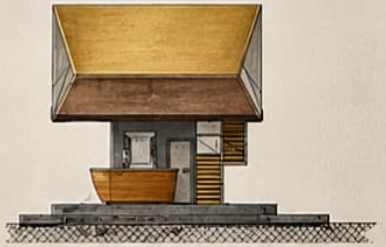
THE BUS SHELTER TRANSLATES FLOWING GEOMETRY INTO A FUNCTIONAL TRANSIT HUB BY COMBINING MOVEMENT - INSPIRED FORM WITH PUBLIC COMFORT, INTEGRATING SEATING, CAFE TERRACE, SANITATION AND CLIMATE-RESPONSIVE SHELTER.

ELEVATION AA' SCALE 1:100

ELEVATION BB' SCALE 1:100



SECTION AA' SCALE 1:100



SECTION BB' SCALE 1:100

BUS SHELTER

~ AT KANDIGAI


BUS SHELTER
~ AT KANDIGAI