

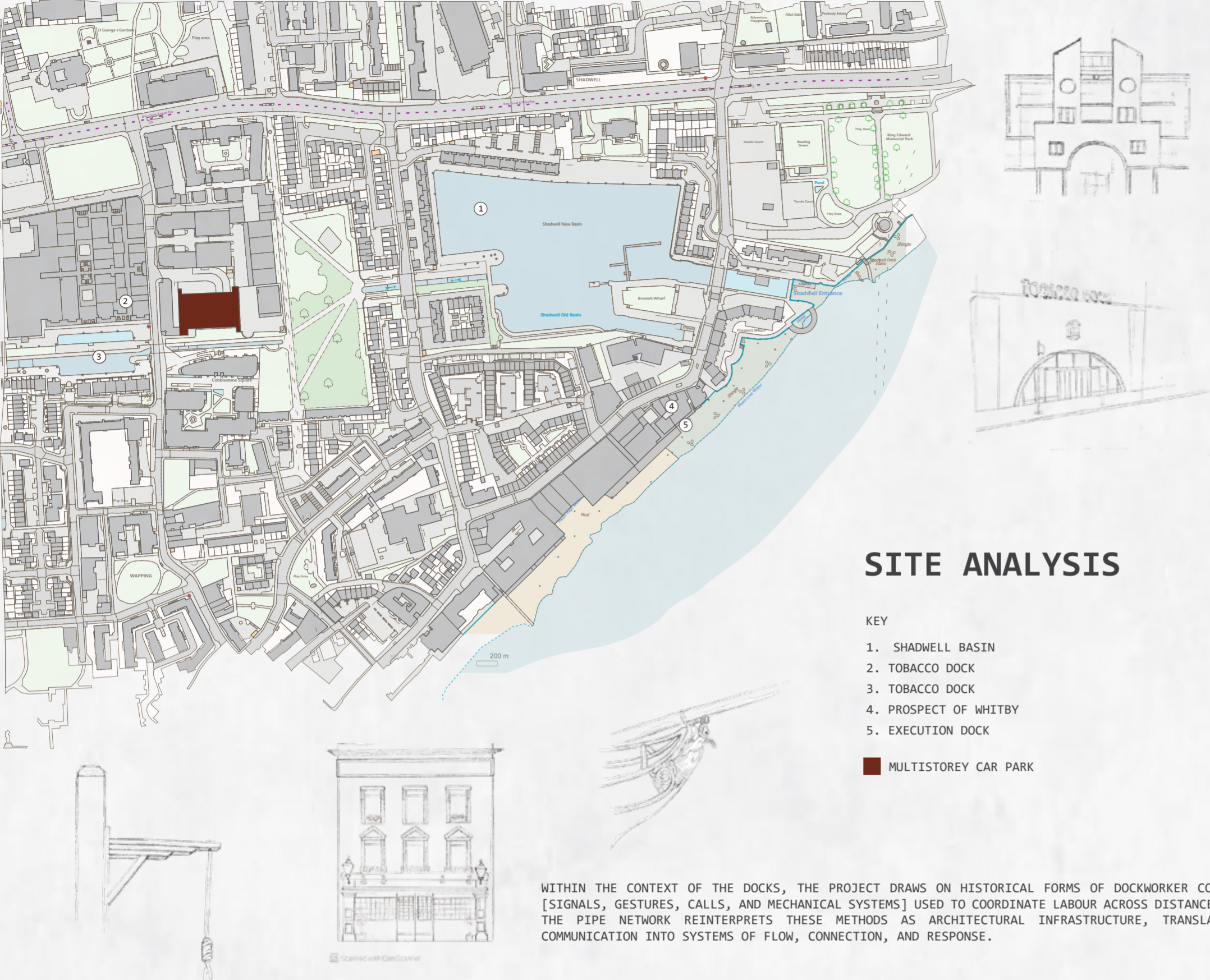
ECHOES IN PASSAGE

DRIVEN BY AN OBSESSION WITH SYSTEMS OF MOVEMENT, CONNECTION, AND COMMUNICATION, THIS PROJECT INVESTIGATES THE CAR PARK AS A SPACE WHERE BODIES, MACHINES, AND RITUALS INTERSECT. PIPES ARE USED AS BOTH FUNCTIONAL AND SYMBOLIC DEVICES: CONDUITS THAT ENABLE FLOW, ADJUSTMENT, AND EXCHANGE WHILE REMAINING VISIBLY EXPOSED.

BY PRIORITISING PARTICIPATION, ACCESSIBILITY, AND HUMAN INTERACTION, THE DESIGN DEMONSTRATES HOW INTERIOR ARCHITECTURE CAN STRENGTHEN SOCIAL RELATIONSHIPS AND CREATE MEANINGFUL EXPERIENCES GROUNDED IN LOCAL IDENTITY. THROUGH COMMUNICATION, THE PROJECT REIMAGINES CIRCULATION NOT AS PASSAGE ALONE, BUT AS A SHARED SOCIAL EXPERIENCE.

RATHER THAN RESOLVING ARCHITECTURE AS A FINISHED FORM, THE PROJECT FOCUSES ON ASSEMBLY, ADAPTABILITY, AND PERFORMANCE. THROUGH STAGED INTERVENTIONS AT BOTH BODILY AND ARCHITECTURAL SCALES, IT EXPLORES HOW INFRASTRUCTURE CAN MEDIATE COMMUNICATION, HOST RITUAL, RECONFIGURE THRESHOLDS, AND TRANSFORM SPACES OF CIRCULATION INTO SITES OF ENCOUNTER.

PIPES BECOME BOTH COMMUNICATIVE AND SPATIAL DEVICES, CARRYING INFORMATION, DIRECTION, AND INTENT WHILE STRUCTURING ENCOUNTERS BETWEEN BODIES, MACHINES, AND SPACE.



WITHIN THE CONTEXT OF THE DOCKS, THE PROJECT DRAWS ON HISTORICAL FORMS OF DOCKWORKER COMMUNICATION [SIGNALS, GESTURES, CALLS, AND MECHANICAL SYSTEMS] USED TO COORDINATE LABOUR ACROSS DISTANCE AND NOISE. THE PIPE NETWORK REINTERPRETS THESE METHODS AS ARCHITECTURAL INFRASTRUCTURE, TRANSLATING HUMAN COMMUNICATION INTO SYSTEMS OF FLOW, CONNECTION, AND RESPONSE.

WIRE DETAILS INSPIRED BY SITE SURVEY TO REPRESENT MATERIAL QUALITY



- HIGH TIDE
 - LOADING AND UNLOADING CARGO
 - PUB VISITS
 - WORKERS CALLED IN
- MID TIDE
 - PUBLIC EXECUTIONS
- LOW TIDE
 - MAINTENANCE/FORESHORE WORK
 - MUDLARKING

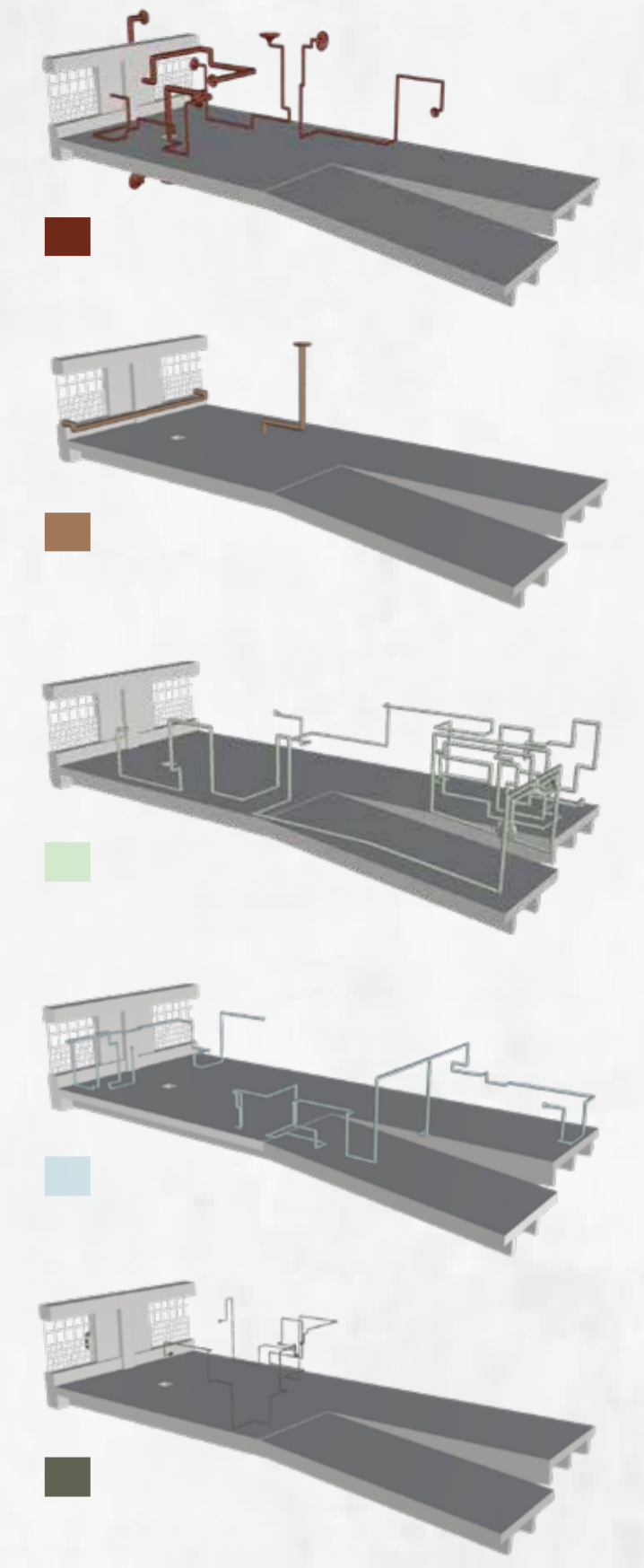
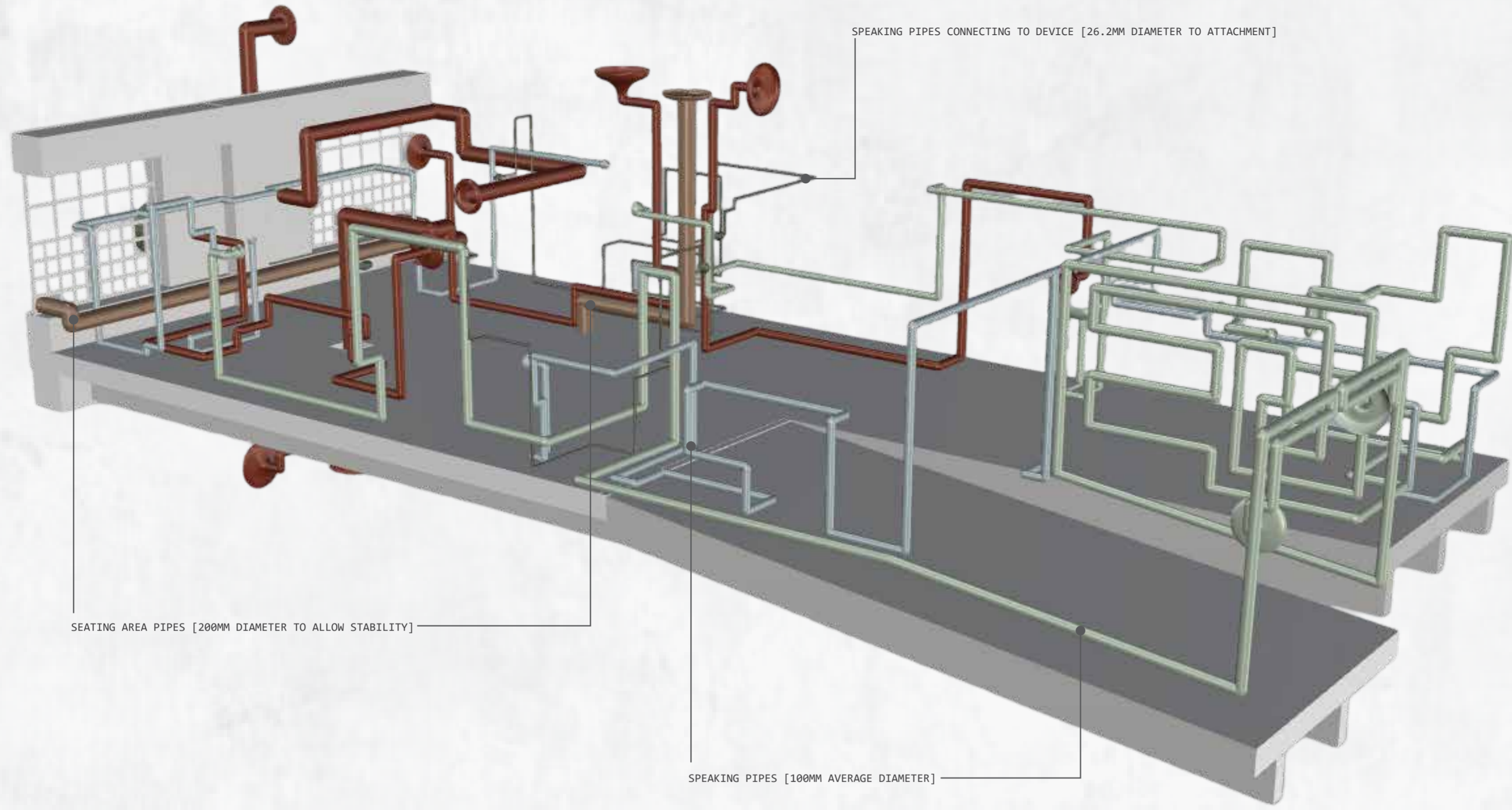
COMMUNICATION

- FAR DISTANCE COMMUNICATION
- MEDIUM DISTANCE COMMUNICATION
- CLOSE DISTANCE COMMUNICATION

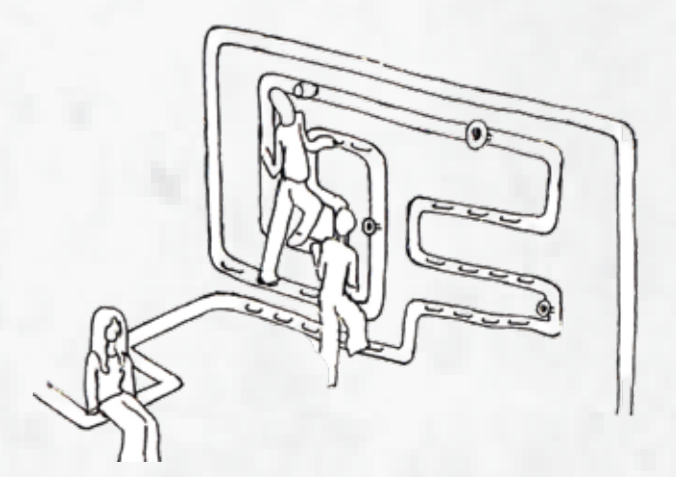
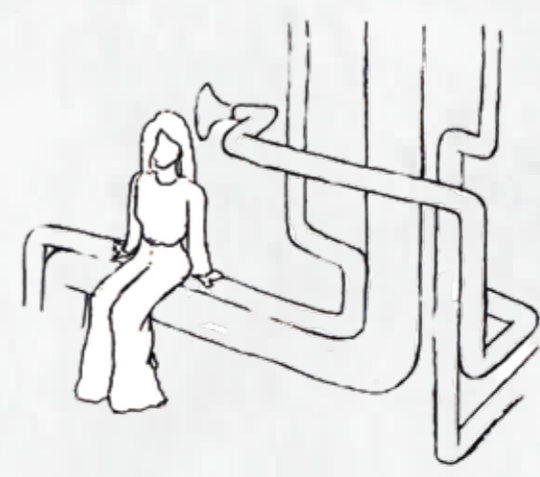
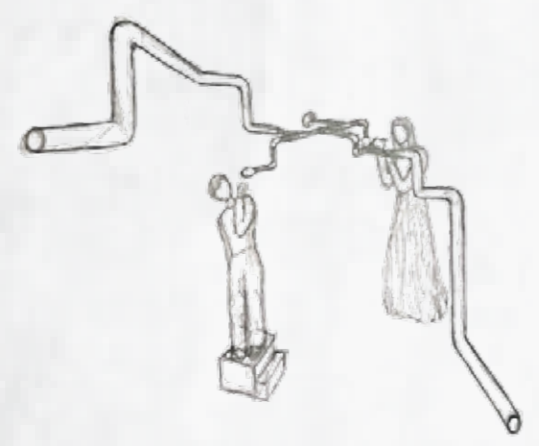
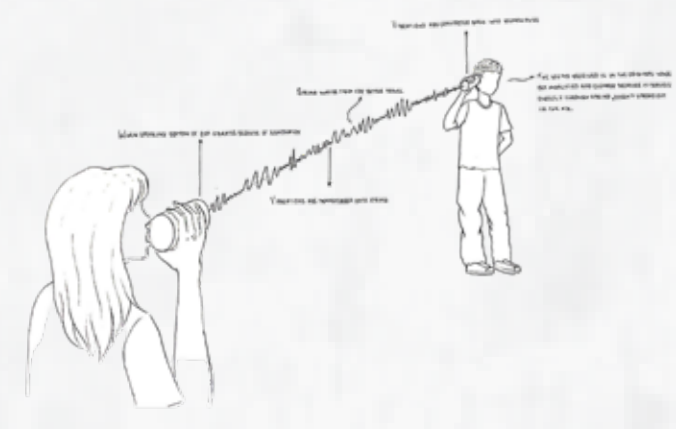


SPATIAL ANALYSIS

SPACIAL ANALYSIS



- EAVESDROPPING PIPES
- PASSING THROUGH PIPES
- SPEAKING PIPES [ENTRANCES]
- SPEAKING PIPES
- SPEAKING PIPES [CONNECT TO DEVICE]



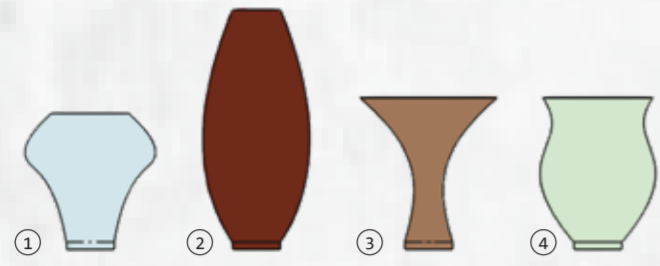
CUPS AND STRING TELEPHONE- HOW DOES IT WORK?

INITIAL SKETCHES OF DEVICE IN USE

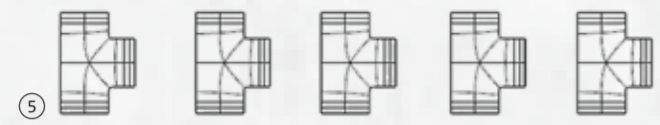
SEATING AREAS AND ACTIVITY EXAMPLES

RESEARCH DEVICE

EXPLODED DIAGRAM OF RESEARCH DEVICE



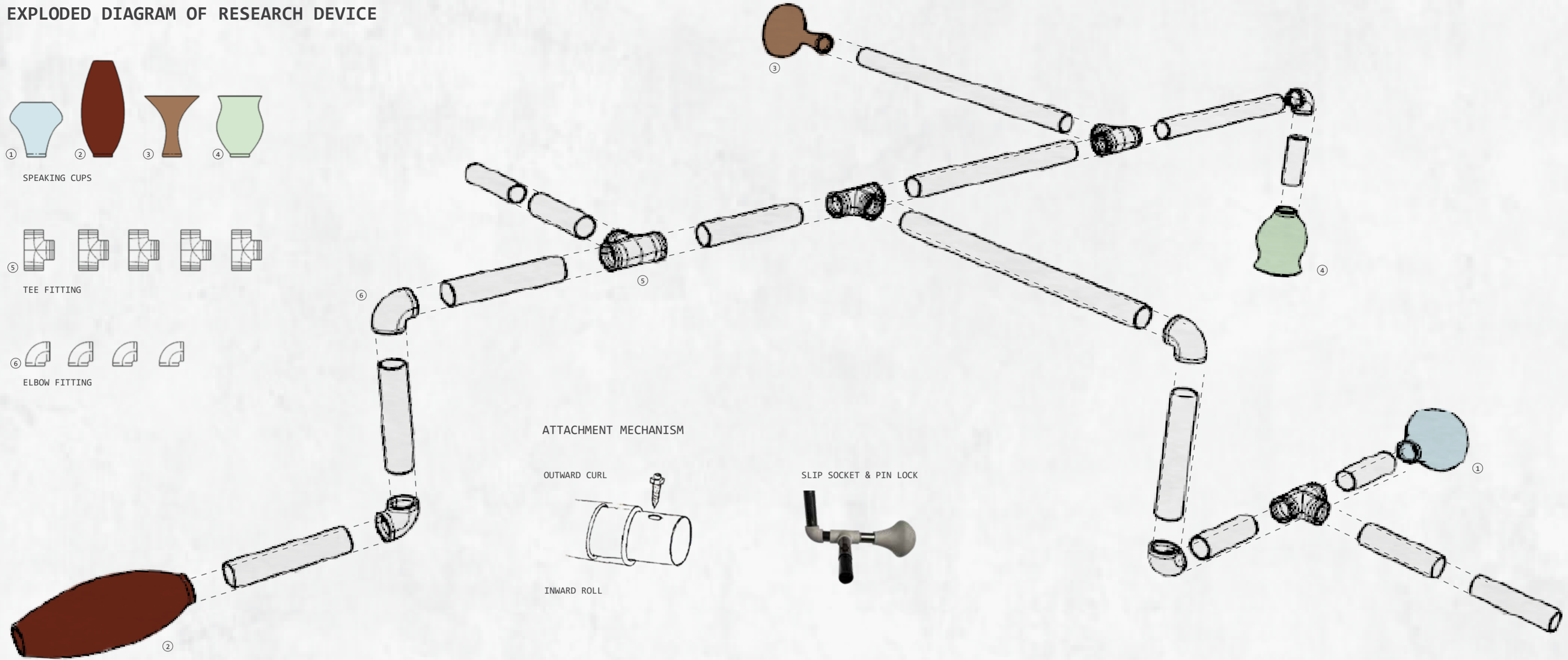
1 SPEAKING CUPS



5 TEE FITTING

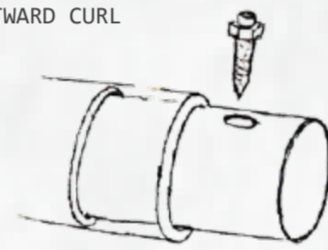


6 ELBOW FITTING



ATTACHMENT MECHANISM

OUTWARD CURL



INWARD ROLL

SLIP SOCKET & PIN LOCK



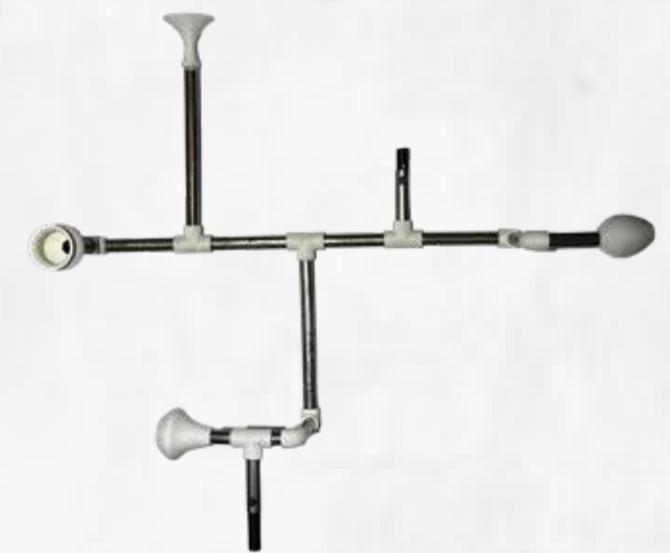
CARDBOARD CUPS



PLASTIC CUPS



PAPER-MACHE CUPS



INITIAL TEST ON A SMALL SCALE FINDING OUT THAT NOT EVERY CUPS MATERIAL IS SUITABLE FOR A SUCCESSFUL FUNCTION

EXPERIMENTING BY RECREATING THE ORIGINAL CUPS AND STRING PHONE TO TEST SOUND/FUNCTION QUALITY

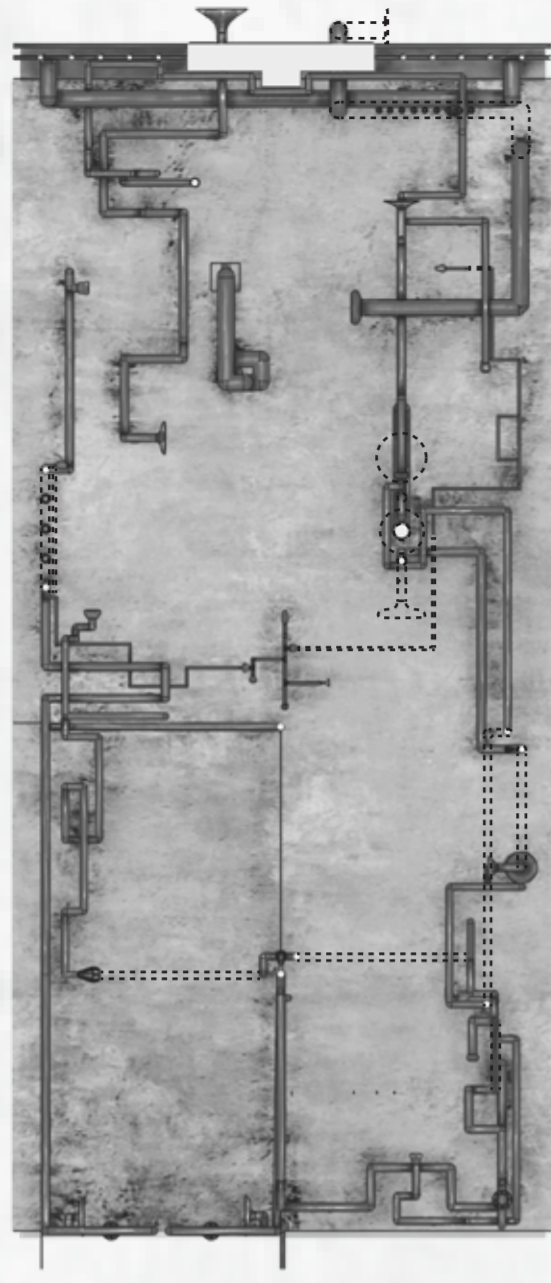
BEGINNING TO EXPERIMENT WITH MORE CUPS AND DIFFERENT SHAPES TO EXPLORE HOW SOUND IS AFFECTED BY CHANGING THE CUPS

MORE SOLID AND STRUCTURED DEVICE TO ENSURE MOST EFFICIENT FUNCTIONAL PERFORMANCE AND ALLOW STABLE ATTACHMENT TO PIPE SYSTEMS

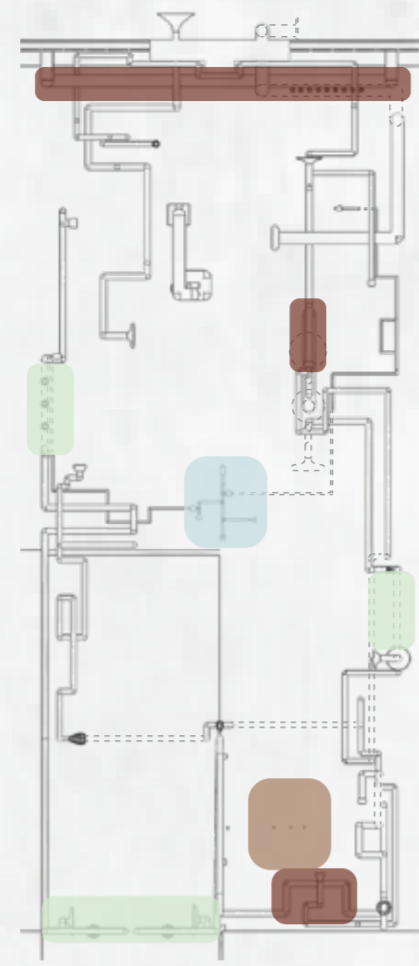
USING THE DEVICE:



PROPOSAL VISUALS

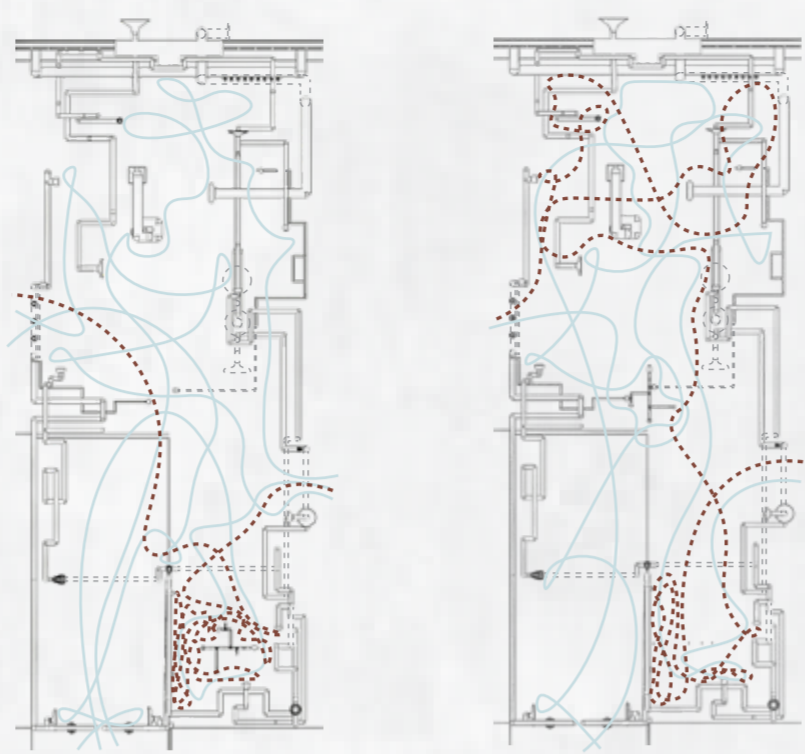


PROPOSED PLAN 1:50 [CUT AT 1600MM]



VOLUME DIAGRAM (USE OF SPACE)

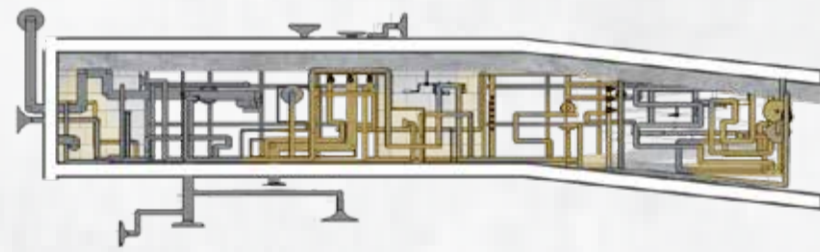
- SEATING AREA
- ENTRANCES
- ACTIVITY/RITUAL SPACE
- DEVICE DISPLAY AREA



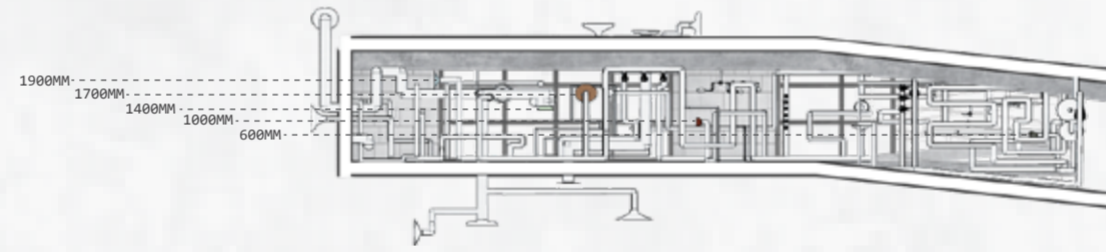
CIRCULATION DIAGRAMS (DEVICE IN USE/NOT IN USE)

- CHILDREN
- ADULTS

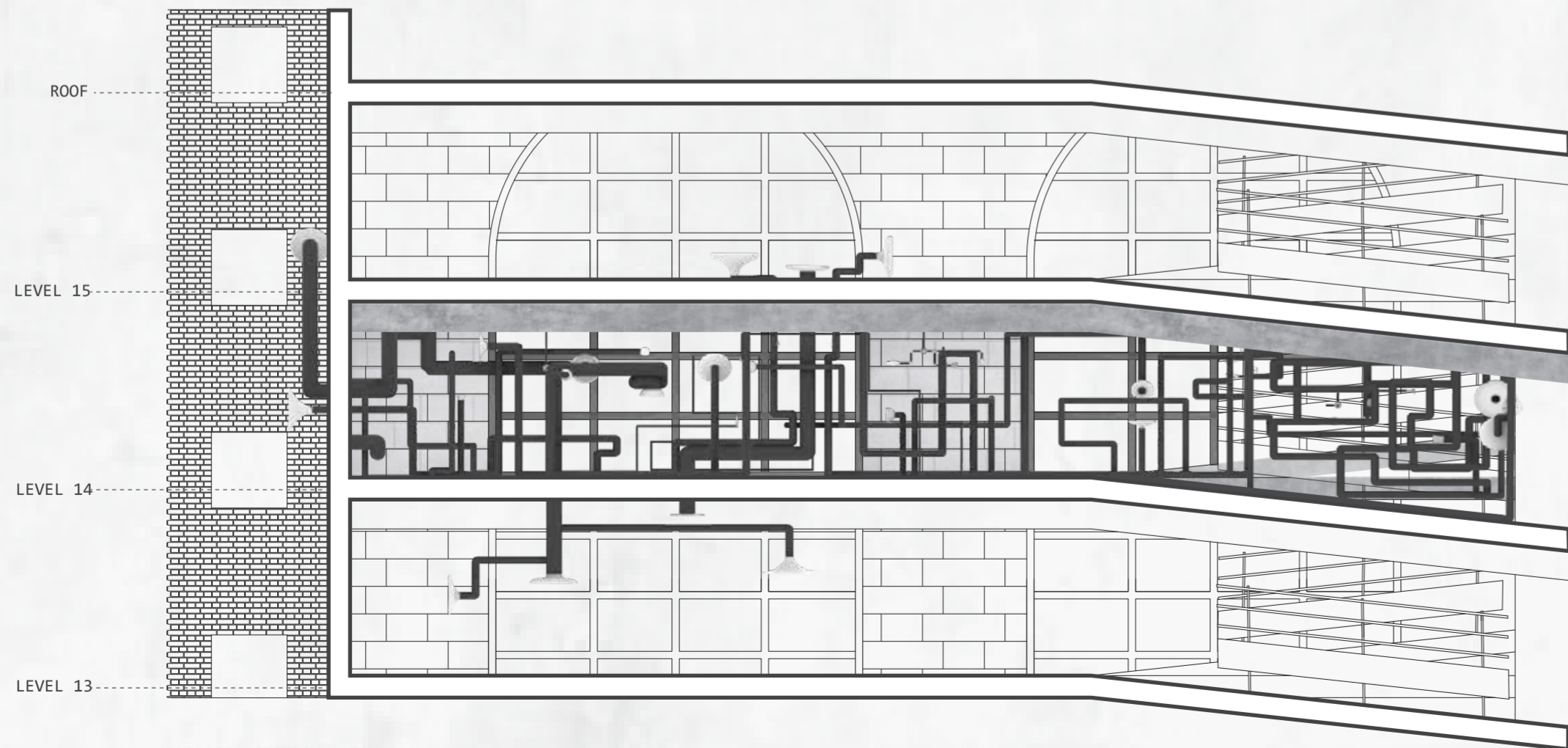
THE PIPE SYSTEMS ACT AS DIVISIONS THROUGHOUT THE SPACE, GUIDING VISITORS TO DIFFERENT AREAS IN A WAY THAT NO SOLID PARTITIONS ARE REQUIRED. THIS KEEPS THE SPACE OPEN, YET PROVIDES A PATH FOR USERS TO FOLLOW. THIS DESIGN CHOICE ALLOWS FLEXIBILITY AND PROVIDES THE USERS WITH AN OPPORTUNITY TO MAKE THEIR OWN WAY THROUGH THE SPACE AT THEIR OWN PACE BY GOING UNDER JUMPING OVER THE PIPES [SIMILARLY TO AN OBSTACLE COURSE] TO FIND HIDDEN OR DIFFICULT TO ACCESS CUPS, MAKING THE PROCESS OF COMMUNICATION MORE ENGAGING.



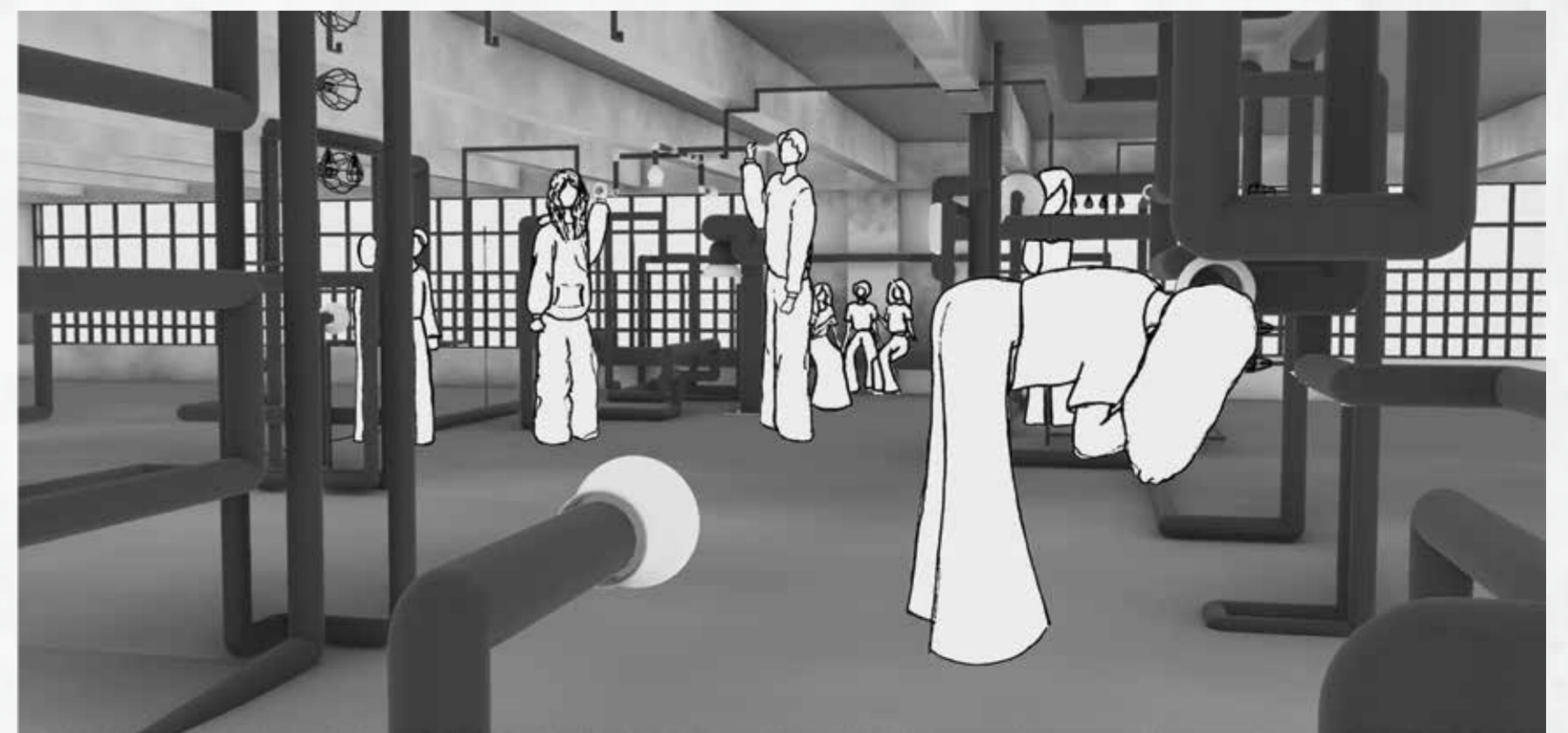
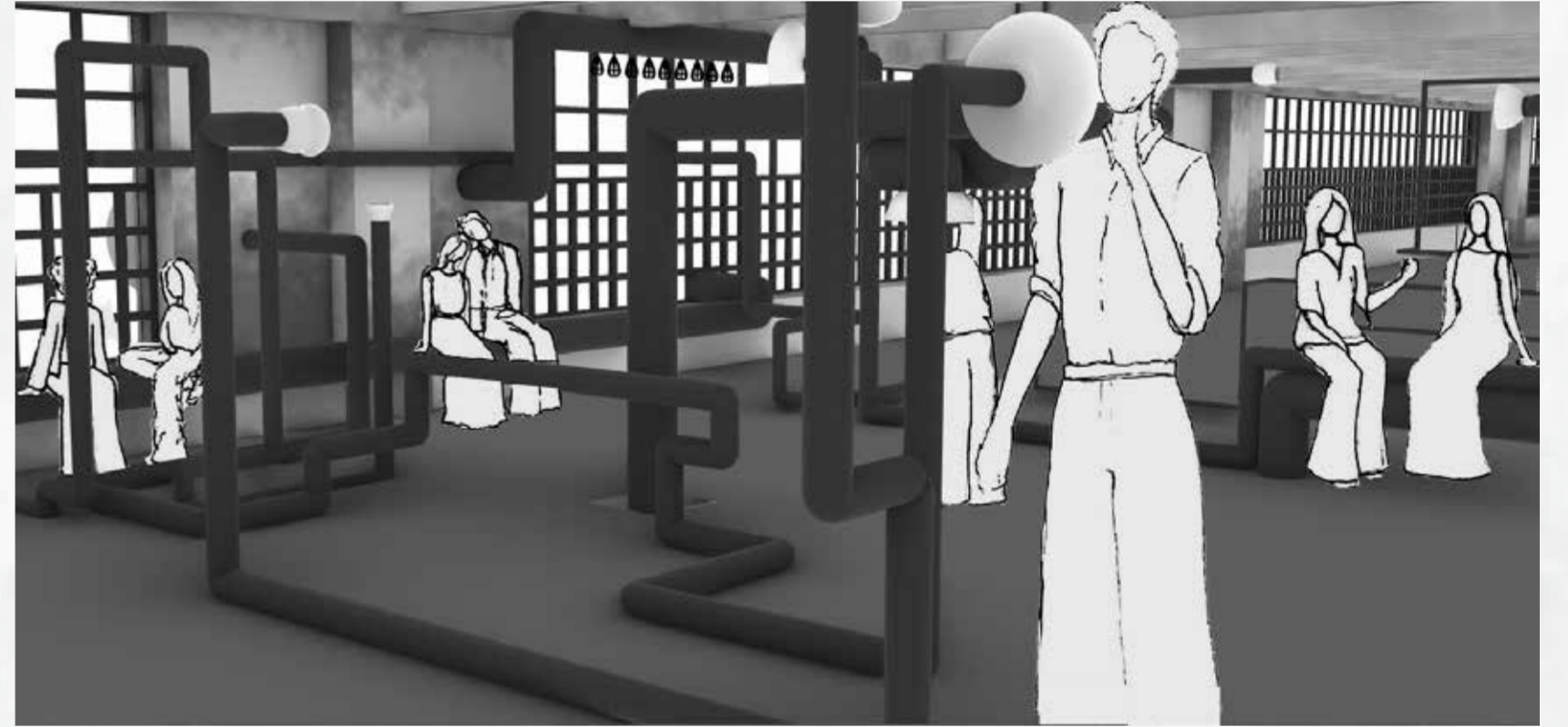
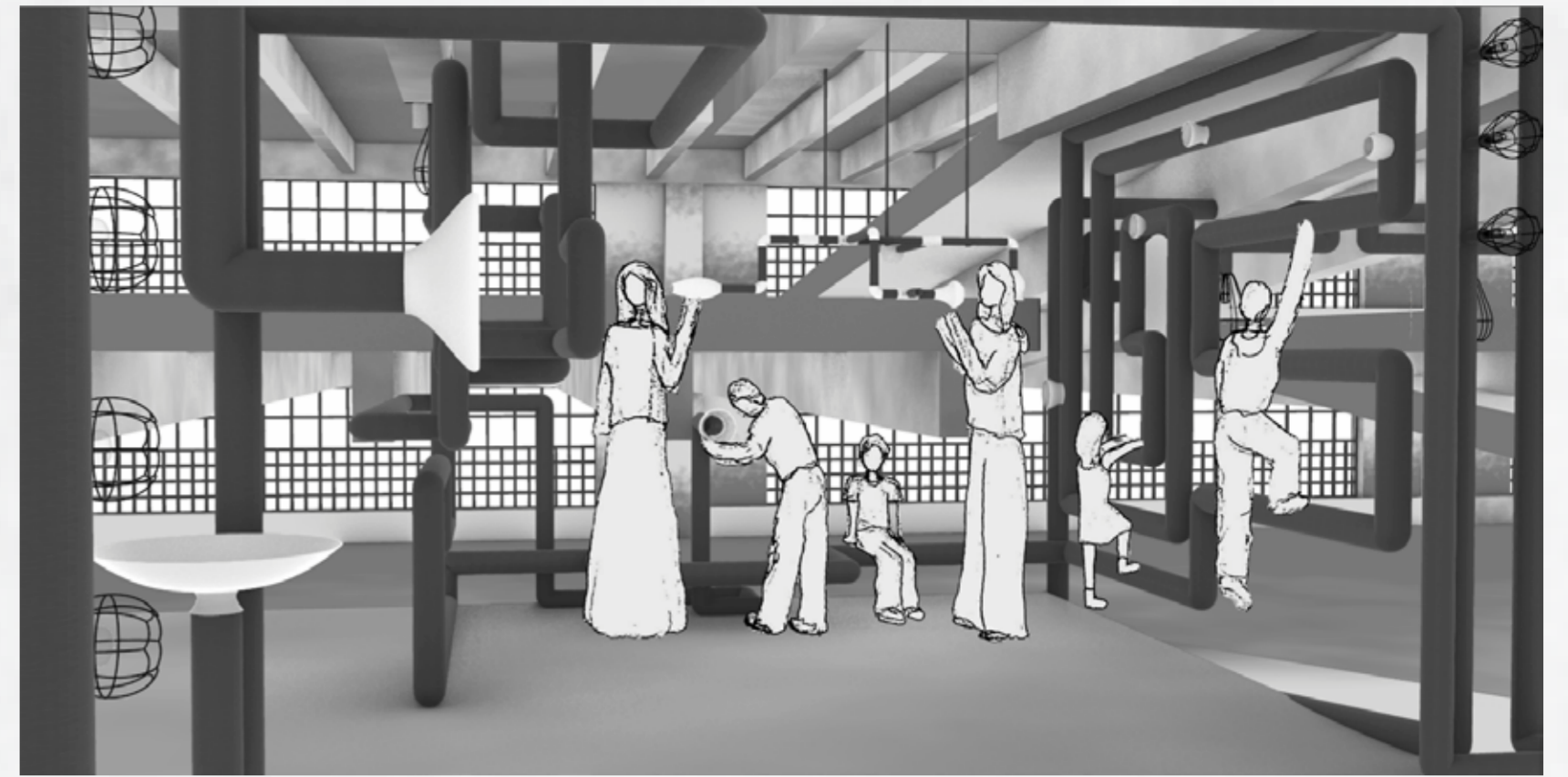
LIGHT DIAGRAM



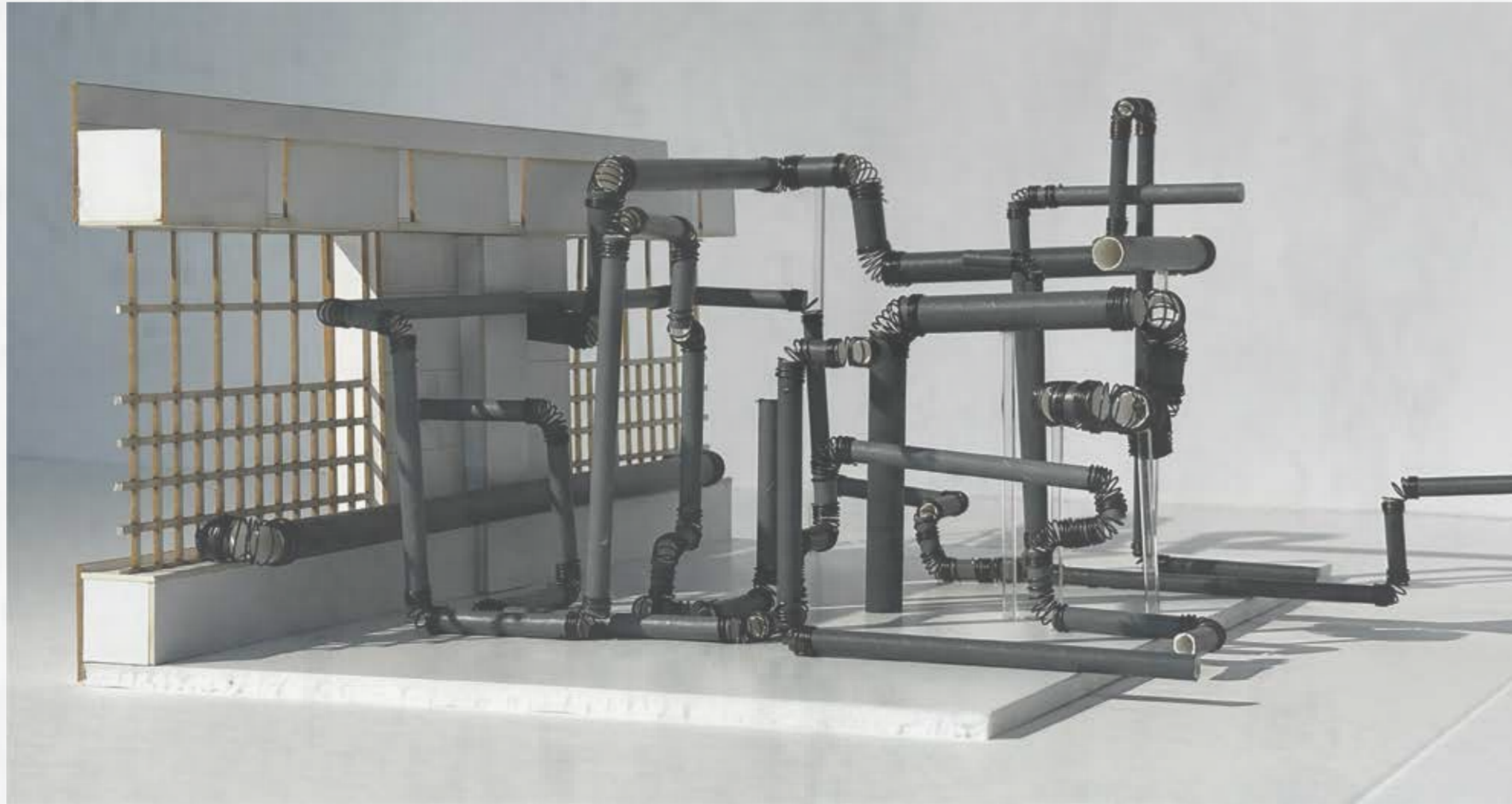
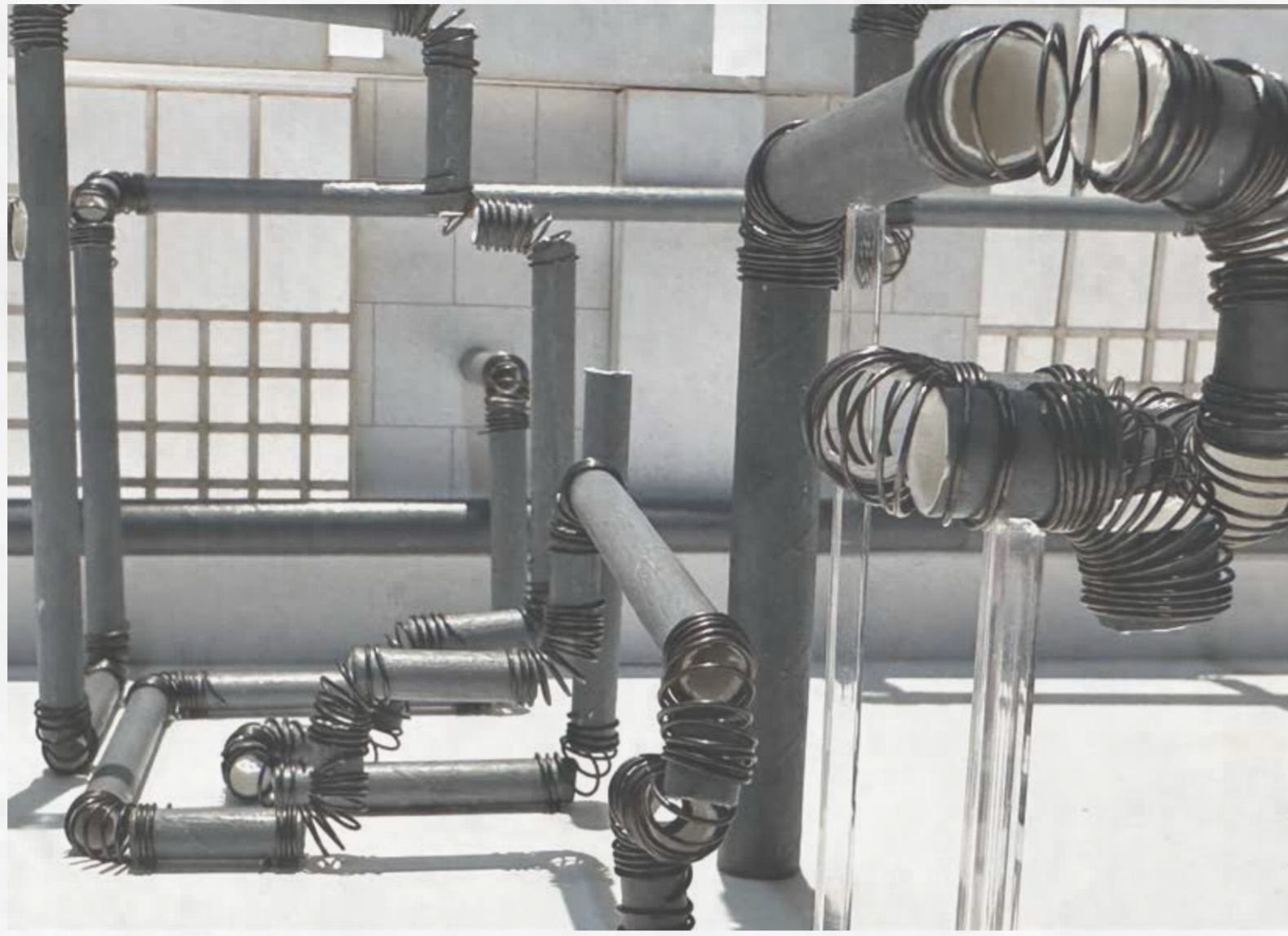
CUP HEIGHTS DIAGRAM



PROPOSED SECTION 1:50



FRAGMENT MODEL



MATERIALS:

- 2.5MM DIAMETER PAPER STRAWS
- 5MM DIAMETER PAPER STRAWS
- 10MM DIAMETER PAPER STRAWS
- ACRYLIC RODS [STRUCTURE SUPPORT]
- SOFT WIRE [COILED INTO SPRINGS BY HAND]
- 1.25MM MOUNTBOARD [LASERCUT INTO PIECES]
- 5MM WHITE FOAMBOARD