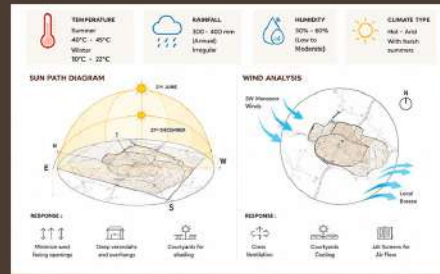
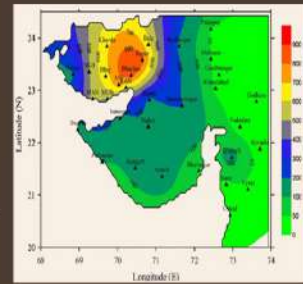


SITE ANALYSIS



SITE LOCATION

BANNI BREEDERS ASSOCIATION,
HODKA VILLAGE,
BANNI GRASSLANDS
TALUKA : BHUJ
DISTRICT : KUTCH (KACHCHH)
STATE : GUJARAT, INDIA
COORDINATES: 23.675° N,
69.778° E

**LOCATED IN SEISMIC ZONE V,
THE HIGHEST EARTHQUAKE RISK
ZONE IN INDIA, REQUIRING
ENHANCED SEISMIC-RESISTANT
DESIGN MEASURES.

CLIMATE-RESPONSIVE DESIGN STRATEGIES
LEVERAGE SOLAR ORIENTATION, NATURAL
VENTILATION, AND PASSIVE COOLING TO
ENHANCE THERMAL COMFORT IN THE
HOT-ARID ENVIRONMENT OF BANNI.

CULTURAL HERITAGE
TRADITIONAL CRAFT
LOCAL MATERIAL
COMMUNITY NETWORK
VERNACULAR ARCHITECTURE



CULTURAL TOURISM
LIVELIHOOD ENHANCEMENT
KNOWLEDGE EXCHANGE
CULTURAL PRESERVATION
COMMUNITY DEVELOPMENT

WATER SCARCITY
EXTREME CLIMATE
LIMITED INFRASTRUCTURE
LOW ACCESSIBILITY

CLIMATE CHANGE
CULTURAL EROSION
URBAN MIGRATION
ECONOMIC VULNERABILITY
ENVIRONMENTAL DEGRADATION



EXISTING BUILT FORM AND CHARACTER



THICK MUD WALL



INBUILT SITTING AND FURNITURE



BHUNGA HOUSE



TIMBER ARE MAINLY USED

ACCESSIBILITY

HOSPITAL (BHUJ CIVIL HOSPITAL) – 65 KM
SCHOOL (PRIMARY SCHOOL, HODKA) – 15 KM
ATM / BANKING FACILITY (BHUJ) – 65 KM
POLICE STATION (BHUJ / BHIRANDIYARA OUTPOST) – 15–65 KM
BUS STAND (HODKA VILLAGE BUS STOP) – WITHIN 1 KM
RAILWAY STATION (BHUJ RAILWAY STATION) – 65 KM
AIRPORT (BHUJ) -70KM

CULTURAL ANALYSIS



PASTORAL COMMUNITY



LIPPAN ART



EMBROIDERY CRAFTS



USE OF TERRACOTTA

FLORA AND FAUNA

HOME TO THE INDIGENOUS BANNI BUFFALO BREED.
DOMINATED BY DROUGHT-RESISTANT NATIVE GRASSLANDS.
SUPPORTS RICH PASTORAL BIODIVERSITY AND LIVESTOCK GRAZING.
HABITAT FOR DESERT FOXES, INDIAN WOLVES, AND JUNGLE CATS.
ATTRACTS MIGRATORY BIRDS INCLUDING FLAMINGOS AND CRANES.



SAHYOG KENDRA

SAHYOG KENDRA IS DESIGNED AS THE PLACE WHERE PEOPLE COME TOGETHER TO SUPPORT AND LEARN. THE WORD "SAHYOG" COOPERATION, WHICH REFLECTS THE MAIN IDEA CONFERATIONE BEHIND THIS CENTRE IT BRINGS DIFFERENT FUNCTIONS INTO ONE SHARED PLACE

AS AN EXTENSION OF THE BANNI BREEDERS ASSOCIATION, IT STRENGTHENS THE BOND WITHIN THE COMMUNITY THE DESIGN ENCOURAGES INTERACTION, LEARNING AND CARE AMONG PEOPLE OF ALL AGES SAHYOG KENDRA IS NOT JUST A STRUCTURE, BUT A SPACE FOR TOGETHERNESS AND COMMUNITY GROWTH

THE SITE WAS CHOSEN BECAUSE IT IS A BARREN AND UNDERDEVELOPED AREA WHERE BASK FACILITIES ARE NOT EASILY AVAILABLE THERE ARE NO NEARBY NEARBY HEALTHCARE OF EDUCATIONAL GPACES. WHICH MAKES DAILY LIFE DIFFICULT FOR THE LOCALS BY SELECTING THIS LOCATION, THE AIM WAS TO BRING ESSENTIAL SERVICES CLOSER TO THE COMMUNITY

THE IDEA OF THE DESIGN TO ENCOURAGE PEOPLE TO COME TOGETHER AND SUPPORT EACH OTHER IT AIMS TO TURN UNUSED LAND INTO A USEFUL AND ACTIVE COMMUNITY SPACE

DESIGN IDEAS

LOCAL IDENTITY - REFLECTS KUTCH'S TRADITIONAL AND VERNACULAR CHARACTER

INTERACTION - ENCOURAGE PEOPLE TO GATHER AND ENGAGE

GROWTH - DEVELOPMENT OF PEOPLE AND PLACE

AREA PROGRAM

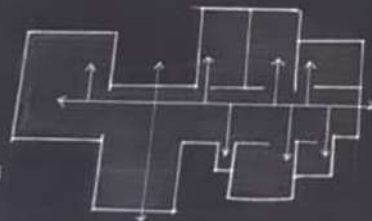
HEALTHCARE: 4 CLINIC	- 4.2 x 3.5 SQM
4 MEDICAL	- 2 x 2 SQM
2 LEARNING HUB	- 4.5 x 4.5 SQM
3 OAT	- 5 x 4.5 SQM
4 STORAGE	- 3 x 2 SQM
5 CRECHE	- 3.5 x 3.5 SQM
4 TOILET	- 1.2 x 1.5 (27) SQM
7 FOOD COUNTER	- 2 x 2.5 SQM

USERS

LOCALS	STAFF	STUDENTS	KIDS	RESEARCHER/ TRAINER
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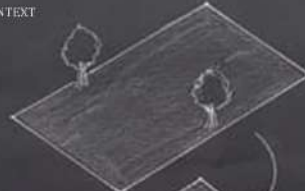
- PRIVATE/CLOSED
 - OPEN
 - SEMI-OPEN
- SPATIAL DISTRIBUTION OF THE SPACES



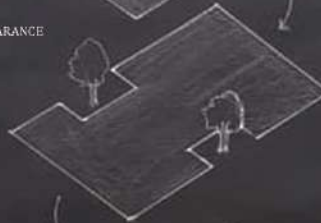
CONNECTIVITY DIAGRAM ILLUSTRATING THE MOVEMENT AND SPATIAL LINKAGE BETWEEN DIFFERENT ZONES

FORM DEVELOPMENT

EXISTING CONTEXT



TREE CLEARANCE



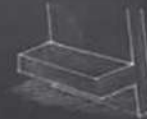
SPATIAL ZONING ALONG A PATH



FORM EXTRUSION



DESIGN ELEMENTS



SAVES FLOOR AREA WHILE CREATING A MINIMALIST FOCAL POINT

WALL INTEGRATED SEATING



ADD DEPTH AND CHARACTER TO FLAT VERTICAL SURFACES

NICHES



ENHANCE MOOD AND REDUCES DEPENDENCY ON

SKYLIGHT



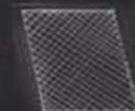
TRADITIONAL MUD AND MIRROR WORK FOR TACTILE WALLS

LIPPAN ART



FACILITATES CROSS VENTILATION AND LIGHT SHADOW PATHERNS

PERFORATED WALL



FILTER HARSH SUNLIGHT INTO SOFT, ORNAMENTAL INTERIOR GLOWS

JALI



COMBINES FUNTIONAL LOAD - BEARING WITH TRADITIONAL CRAFTMANSHIP DETAIL

EAVE SUPPORT BRACKETS



PROVIDE THERMAL COMFORT / WALL PROTECTION (VIA DEEP EAVES OVERHANGING) SLIGHT IN WIEGHT PROVIDE EARTHQUAKE SAFETY

SLOPING ROOF

MATERIAL PALETTE



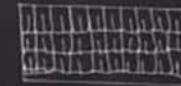
MUD (FOR DAUB AND PLASTERING)



TIMBER (RAFTERS, FURNITURES, FENESTRATION)



BAMBOO (FOR WATTLE)



MANGLORE TILE (ROOFING MATERIAL)



TERRACOTTA TILE (FLOORING MATERIAL)



SAND STONE (PLINTH)



BACKYARD

EXISTING BUILDING

EXISTING ENTRY

R
O
A
D

ENTRY 1

SUBJECT
ARCHITECTURAL DESIGN

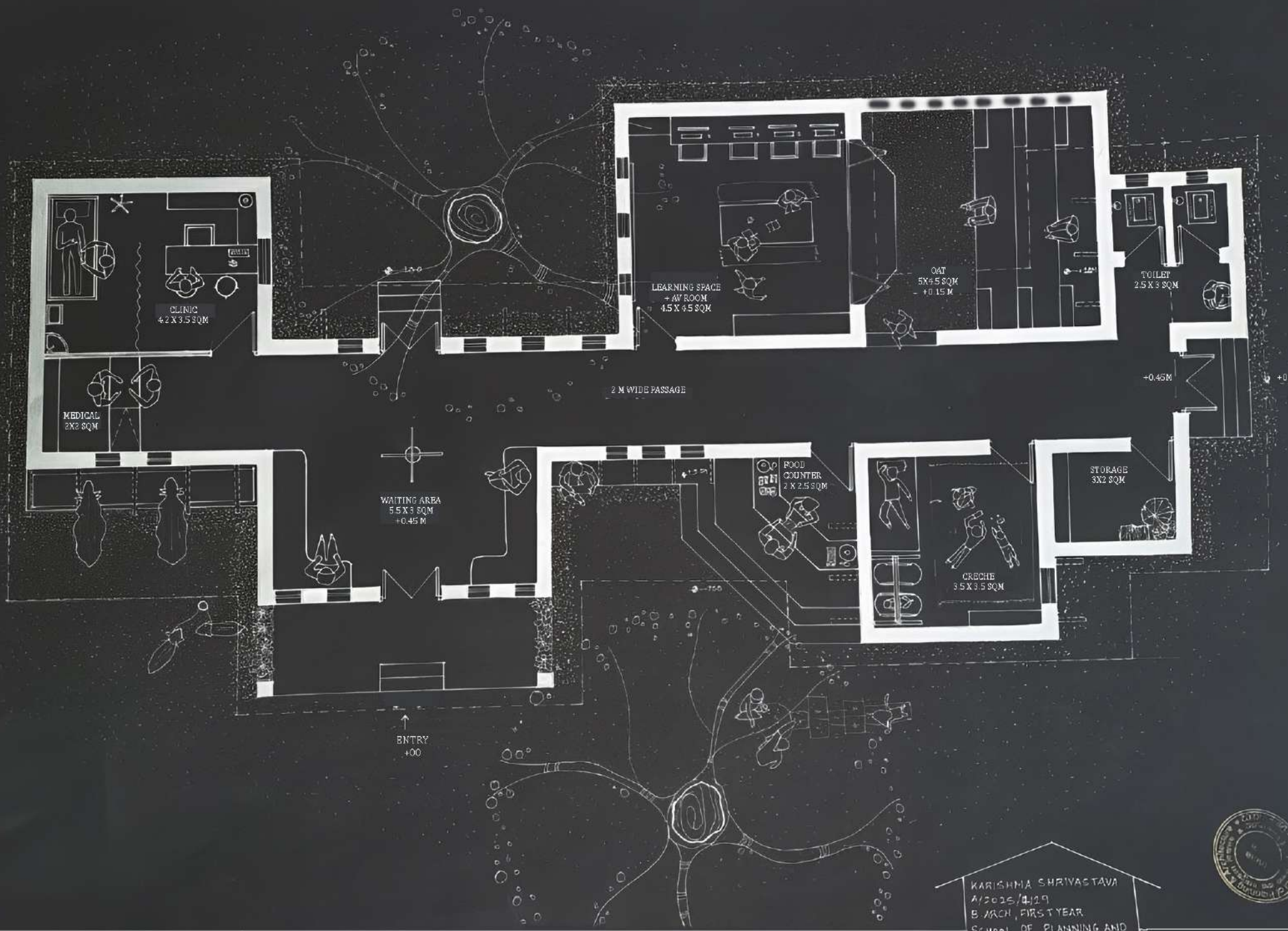
TITLE
SITE PLAN

SCALE
1:200



KARISHMA SHRIVASTAVA
A/2020/4129
B ARCH, FIRST YEAR
SCHOOL OF PLANNING AND
ARCHITECTURE





SUBJECT
ARCHITECTURAL DESIGN

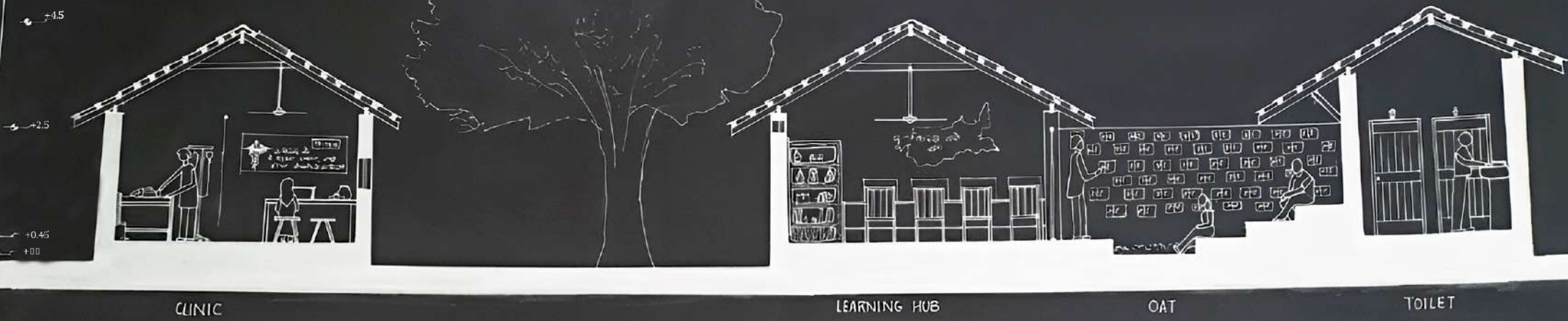
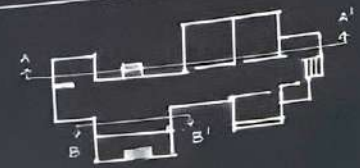
TITLE
GROUND FLOOR PLAN

SCALE
1:50



KARISHMA SHRIVASTAVA
A/2025/4/29
B ARCH, FIRST YEAR
SCHOOL OF PLANNING AND
ARCHITECTURE, NEW DELHI





CLINIC

LEARNING HUB

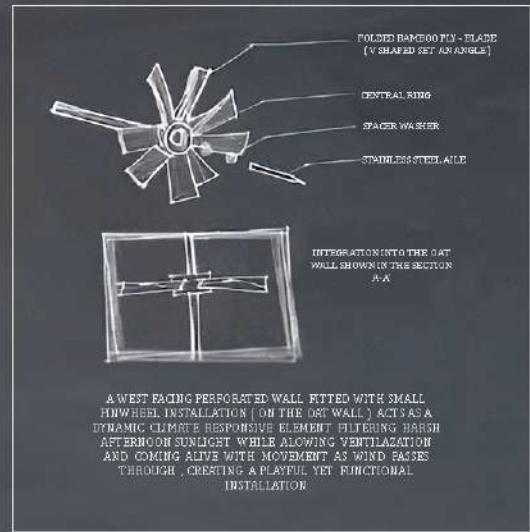
OAT

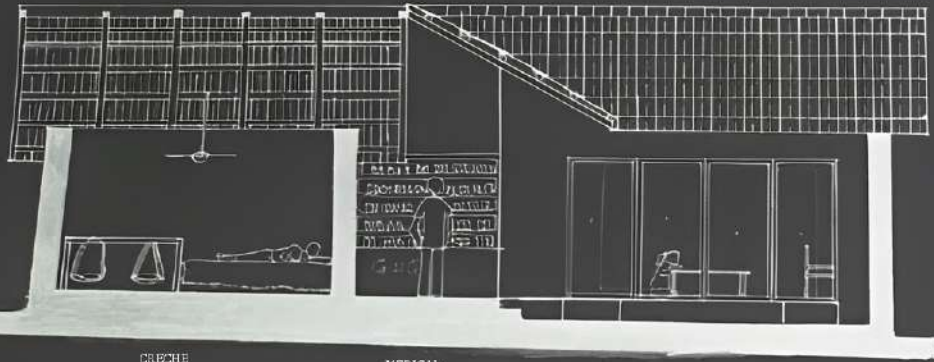
TOILET

SECTION - A-A'



WAITING AREA
SECTION - B-B'



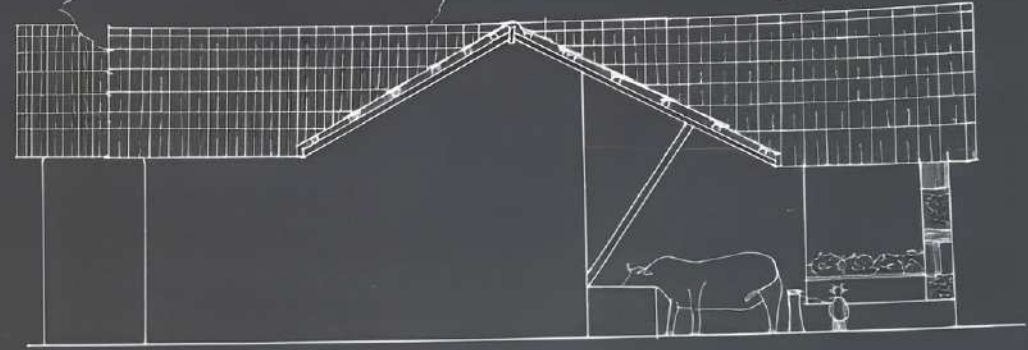


CRÈCHE

MEDICAL

LEARNING SPACE

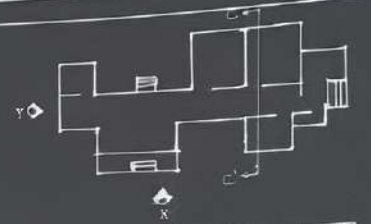
SECTION C-C



ELEVATION Y



ELEVATION X





सहयोग केंद्र



MALOHKRI CĪMĀNĀTĪ S. RESTĀDE



Malohkri Cīmānātī S. Restāde ir tradicionāla ēka, kas ir veidota no māla un koka. Tā ir veidota tā, lai tā būtu ērta un praktiska. Tā ir veidota tā, lai tā būtu ērta un praktiska. Tā ir veidota tā, lai tā būtu ērta un praktiska.

TRĀDĪCIĀLĀ PĀSTRĀJĪSM



TRĀDĪCIĀLĀ PĀSTRĀJĪSM

TRĀDĪCIĀLĀ PĀSTRĀJĪSM



TRĀDĪCIĀLĀ PĀSTRĀJĪSM

MĀS MILANĀ NĒKSTVĪRĒTĪ



CĪRIĀRTĪ PĒRĒMĒ



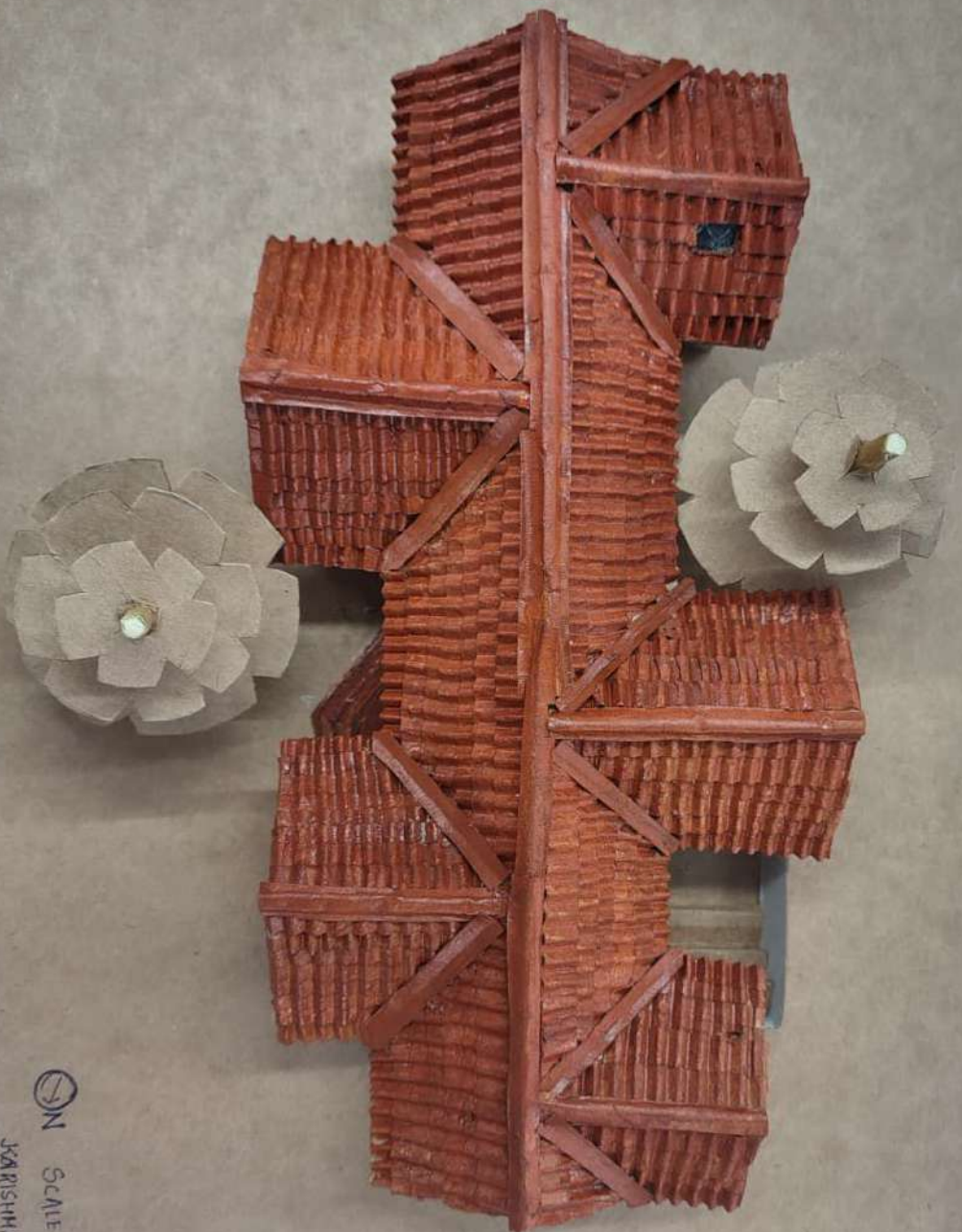








⊙ N SCALE: 1:100
JKARISHHA SRIVASTAVA



EXISTING
BUILDING

