FOR DESIGN THESIS (For Partial Completion of B. Arch. 10th Semester)

PROPOSAL

Topic: INLAND WATER TERMINAL CUM WATER FRONT

Enrollment No: 1150101081

Session: (2019-2020)

THESIS GUIDE:-

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INSTITUTE OF ARCHITECTURE BABU BANARASI DAS UNIVERSITY, LUCKNOW REMARKS BY THE THESIS COMMITTEE

CERTIFICATE

Here by recommend that the thesis, entitled "INLAND WATER
TERMINAL CUM WATER FRONT ,KANPUR ", prepared by UTSAV
BAJPAI, roll no. 1150101081,

Under by supervision, is the Bonafide work of the student and can be accepted as a partial fulfillment for the award of bachelor's degree in (Ar) school of architecture BBDU, Lucknow.

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Recommendation:	Accepted
	Not accepted
Examiner 1	Examiner 2

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1.	Name:		
2.	Roll No:		
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	Degree for which the thesis is submitted:		
	Faculty of the university to which the thesis is sul	bmitted:	
6.	Thesis Preparation Guide was referred to for prepthesis.	paring the	YES NO
7.	Specifications regarding thesis format have been closely.		YES NO
8.	The contents of the thesis have organized based the guidelines.	on	YES 🗌 NO 🗌
9.	The thesis has been prepared without resorting t plagiarism.	0	YES NO
	. All sources used have been cited propriately.		YES NO
11	. The thesis has been submitted elsewhere for a gree.		YES NO
	. Submited3 spiral bound copies plus one		YES NO
 (Si	gnature(s) of the pervisor		
NA	AME, ADDRESS		
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		Enrollment No	

AKNOWLEDGEMENT

The demands that I express my gratitude to those who have been a part of my stay in **B.B.D.U.**, It's been great, all these years, but life moves on.... And so do us.....

I express my deepest gratitude to my thesis guide PROF.
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my B. Arch thesis.

Express my gratitude to DEAN, **AR. MOHIT AGARWAL**, and Department of architecture, B.B.D.U., Lucknow, for being there to listen to and solve our problems.

I am grateful to our thesis coordinator **Ar.Urvashi Tiwari**, for providing their useful comments at the various stage submissions.

"Thank you" was not the exact phrase on my mind when I wrote this,

It was something each deeper, but I am unable to fine word for it. **All teachers**, your support, encouragement and guidance have given us the strength to mark on this rigorous journey.

Could also like to express my gratitude to various persons without whose help, this thesis would not been possible. All the experiences that All shall relate in the drawing pages would not have been possible without them.

Parents:- saying thanks is nothing, just accept this as a tribute to what you have inspired in me.

Through words hardly express the true emotions, still I would like to thank all my near and ones who helped and guided me.

UTSAV BAJPAI

A Letter

I would like to add another page of appreciation towards my friends ,who are more than family to me.

This thesis would have been like just another curriculum work but presence of my friends made it a moment that is unforgettable and a memory to always cherish about.

This thesis time gave me so many experiences, many moments some good and some bad.

Writing some names here would mean to remember only those who mean to you ,but there are many whom we forget .

So here my friends without whom this would have not been possible Gaurav sir the ideologist best ideas always came from him.

Somya my extra hand who from lettering to detailing helped me. Vishal so called Papaji best comedian and detailing master.

Ashish ,the creative head .Vineet sir, the man with solution ,Aishwarya the golden arm ,Sonakshi the model girl.

I would also like to thank Naveen Umrao, my senior who made architecture possible for us by giving the early concepts and way to excel.

I may have missed some names or you can say that this paper hold no more space ,but I would like to thank you all for your support affection.

Thank you all

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A:INTRODUCTION

Kanpur is the industrial capital of Uttar Pradesh is one of the fastest growing cities in India. Tied up between the two great India rivers, river Ganges and Yamuna.

The city posses a rich cultural and industrial background .But over the period of the period developing times, the historical core of the city , which was the water front of the river Ganges with the trading ports has been overlooked and turned into backyard of the city which once was the face of the city .

This thesis is intended is to rediscover the potential of the core of this industrial city through rejuvenation of the old trading ports by creating a water front which will act as the face of the city and also will bring down congestion on other means of transport.

B:HISTORY

The industrial city had journeyed from Kanhiyapur to Kanpur in last 144 years.

Located on the west bank of the Ganges, river, it was a major trade and commercial centre in North India with the first woollen mill of India, the British India Corporation established here in 1876 by Alexander McRobertt. The city is widely regarded as "The Leather City of the World" and is also nicknamed as "Manchester of India".

According to 2011 Indian census, it is the eleventh most populous urban city while the population of city and its suburb were around 5 million making it the eighth-most populous metropolitan area in India.

C:NEED OF THE TOPIC

Kanpur is the 8th most populous city in India and the most populous city of the city. Located just 80 km from the state capital Lucknow.

Beside being the economic capital of the state has been shadowed from the development policies on the contrary Lucknow has developed in an astonishing way.

According to a survey, Kanpur has been rated as the worst city to live in India.

The Times of India

Kanpur's infrastructure has totally collapsed because of the local politicians and authorities. This in long term could leave Kanpur as a deserted city because no sensible person would like to stay in a city where there is a lack of political representation, urban planning, public amenities and citizen participation.

:The times of India

Beside this the lacks a proper a water front and a proper means of transport in the city .

The inland water way cum water front will not only provide an alternative source of transport but will also reinforce the the city's civic status and serve to reconnect the people to their past.

THE PRIMARY GOAL OF THIS THESIS IS TO RE-INTERPRET THE HISTORIC CORE OF THE CITY, WHICH ONCE HAD PORTS ALONG THE MAIN WATERFRONT.

This transport node will connect the 3 main important cities of the state .

ie KANPUR - ALLAHBAD -- VARANASI, 332 km via NH 19

D: AIM AND OBJECTIVE

The selected design project is a mixed use development at the banks of river Ganges .

- 1, To create a Transportal Node / Social place.
- 2, To design a development which is in harmony with the natural of character the area.
- 3, Inclusivity: social, economic, demographic

This transport node will connect the 3 main holy cities of the India ie KANPUR – ALLAHBAD -- VARANASI, 332 km via NH 19

Where KANPUR is the Industrial capital of the state.

ALLAHBAD is the Judical Capital of the state,

VARANASI is the Piligrimage Capital of the India.



E: SCOPE AND LIMITATION

To rejuvenate the historic core and transport facilities of the city.

The water front will act as a window reflecting the quality of the city.

Will contribute the formation of the image and the identity of the city.

Apart from all this it will provide a sustainable strategies like onsite waste water treatment plant, use of prevalent breezes for passive cooling of the built mass.

The drive ways and pedestrian path will be shaded and will be oriented north-east to north-west with pergolas overhead reducing the landscape heat gain.

F: SITE DETAILS



MASTER PLAN 2021 - KANPUR

F: SITE DETAILS



Site is 300 meters to LUV-KUSH barrage.

200 meters from river bank cannot be used for permanent construction.

Site has connectivity through NH-91.

G: PROJECT REQUIREMENT

Site area is 40 acres i.e 161840 sq.m.

Covered area in % = 15

Total area covered on site 161840 x 15% = 24360 sq.m.

Far = **1.0**

F: PROJECT REQUIRMENT

FERRY TERMINAL

- a. TERMINAL
- b. RESTRAUNT
- c. ACCOMODATION
- d. WAITING
- e. PARKING

WATER FRONT

- a. COMMERCIAL / RETAIL
- b. EXHIBITION
- c. WATER SPORTS
- d. RESTRAUNT
- e. PARKING
- f. SWIMMING POOL

G: METHODOLOGY

Live and virtual case studies.

Data collection and documentation of information related.

Visit to the site gathering information available.

Analysis and conclusion based on the observations made during the process mentioned above evolving the concept and further enhancing the design which can be converted into reality. .

CARGO TERMINAL

- a. JETTY
- b. WORKER AMENITY
- c. ADMINISTRATION
- d. OPEN AND CLOSE CARGO STORAGE
- e. SUBSTATION
- f. CANTEEN



SITE SURROUNDINGS

LUV KUSH BARRAGE

GANGES 650 METERS WIDE

RETAINING WALL —



ATAL GHAT

SITE 50 ACRES

EXISTING WATER FRONT

ROAD 18 METERS WIDE

SITE SURROUNDINGS











INLAND WATER TERMINAL CUM WATER FRONT

WHAT IS LACKING AT SITE?



UNPLANNED PARKING, WATER TREATMWNT STATION,



NO PROPER STAIRS TO GET TO THE RIVER BANK.



TOURIST USUALLY DO NOT GO **FURTHER ALONG THE RIVER**



ONLY ONE TOURIST DESTINATION HAS NOT CONNECTED WITH OTHER TOURIST DESTINATION PROPERLY IE BITHOOR.



NO TAXI OR OTHER MEANS OF TRANSPORT.



PUBLIC SERVICES NEAR THE SITE ARE MISSING.

WHAT IS LACKING IN CITY?

PROPER DRAINAGE SYSTEM



URBAN SPRAWL



UNTREATED SEWAGE WATER INTO GANGES



PLACES FOR RECREATION



NO PROPER URBAN PLANNING





NO PEDISTRIAN MOVEMENT **PLANNING ON ROADS**





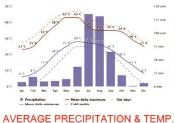


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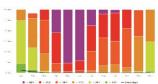




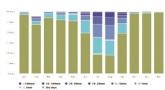




CLOUD, SUNNY PRECIPITATION DAYS



MAXIMUM TEMPRATURE

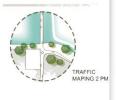


CLIMATIC STATICS

PRECIPITATION AMOUNT

SITE







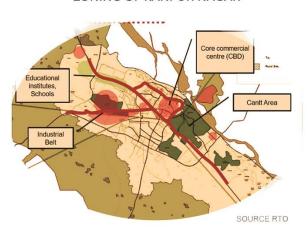






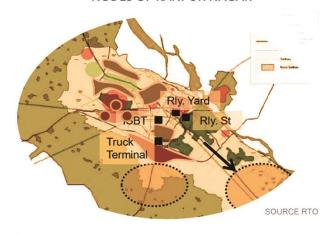


ZONING OF KANPUR NAGAR



- EDUCATION BELT
- INDUSTRIAL BELT
- CORE COMMERCIAL
- AREA
 CANTONAMENT AREA

NODES OF KANPUR NAGAR



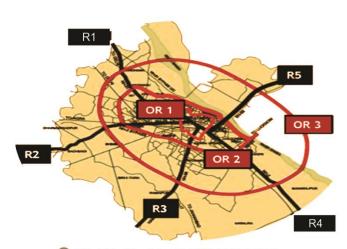
- RAILWAY YARD
- RAILWAY STATION
- TRUCK TERMINAL
- ISBT

LAND USE OF KANPUR NAGAR



- 42% RESIDENTIAL
- 10% PUBLIC & SEMIPUBLIC
- 3% COMMERCIAL
- 10% RECREATIONAL
- 14% GOVERNMENT /SEMI GOVERNMENT
- 5% INDUSTRIAL
- 10% TRAFFIC & TRANSPORTATION

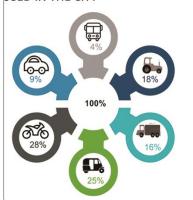
ARTERIAL ROADS OF KANPUR NAGAR



- R1, R2, R3, R4, R5 ARTERIAL ROAD
- OR 1, OR 2, OR 3 ORBITAL ROAD

MAJOR MODES OF TRANSPORTATION USED IN THE CITY

MAJOR INDUSTRIES IN THE CITY

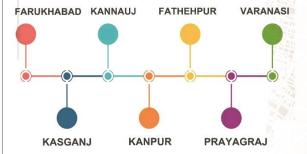


ANIMAL & FOOD PRODUCTS OF ANIMAL ORIGIN	ORES (BASE METAL), SLAG, ASH BASED INDUSTRIES
CORRUGATED PAPER & CONVERSION PRODUCTS	MINERAL FUELS, OIL PRODUCTS AND BY PRODUCTS
POWERLOOM TEXTILES	GAS (FUEL) NATURAL AND MANUFACTURED.
PLASTIC PRODUCTS	NON – METALLIC MINERALS, MINERAL PRODUCTS,
PAN MASALA	CHEMICAL AND ALLIED PRODUCTS 9. PHARMACEUTICAL AND MEDICAL PRODUCTS
AGRICULTURE BASED INDUSTRIES	WEDIOAL PRODUCTS
	FERTILIZER / PESTICIDES / PLANT PROTECTION MATERIALS
LEATHER TANNING	SOURCE : MSME

: GANGES FLOW AND NODE STUDY

GANGES FLOW

THE 2,525 KM (1,569 MI) RIVER RISES IN THE WESTERN HIMALAYAS IN THE INDIAN STATE OF UTTARAKHAND, AND FLOWS SOUTH AND EAST THROUGH THE GANGETIC PLAIN OF INDIA.



DEVELOPING THE NODES

MORE THAN 2.3 MILLION PASSENGERS PER DAY TRAVEL THROUGH KANPUR RAILWAY STATION. SO TO DEVELOP VARIOUS INTERNODES IN THE WATER WAY CAN BE FRUITFUL.



PROS OF USING WATER AS A MODE OF TRAVEL

- FUEL EFFIENCY ONLY 50 PAISA V/S 1.5 ON ROAD
- 1 LITRE OF FUEL MOVES 24 TONNE-KM ON ROAD, 85 ON RAIL AND 105 ON INLAND WATER TRANSPORT.
- COST OF DEVELOPING WATERWAYS MUCH LOWER THAN RAIL AND ROAD
- REDUCES TRANSPORTATION LOSSES
- CARBON DIOXIDE EMISSION IS 50% OF TRUCKS
- SAFE MODE FOR HAZARDOUS AND OVER DIMEN-SIONAL CARGO
- REDUCES PRESSURE ON ROAD AND RAIL REDUCES ACCIDENTS ON ROAD

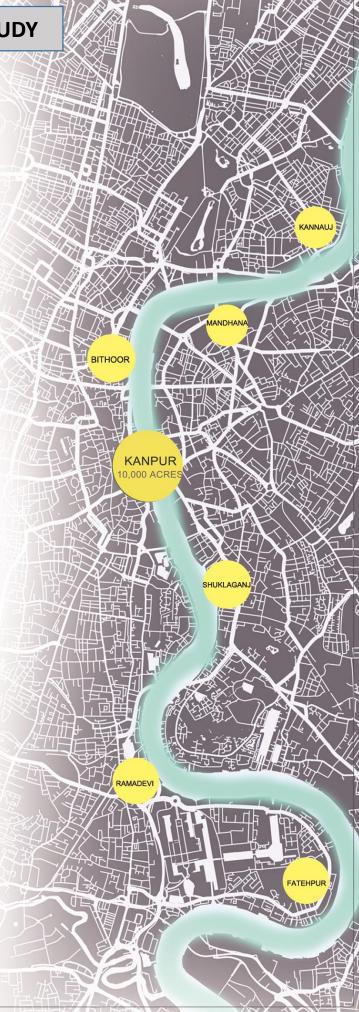




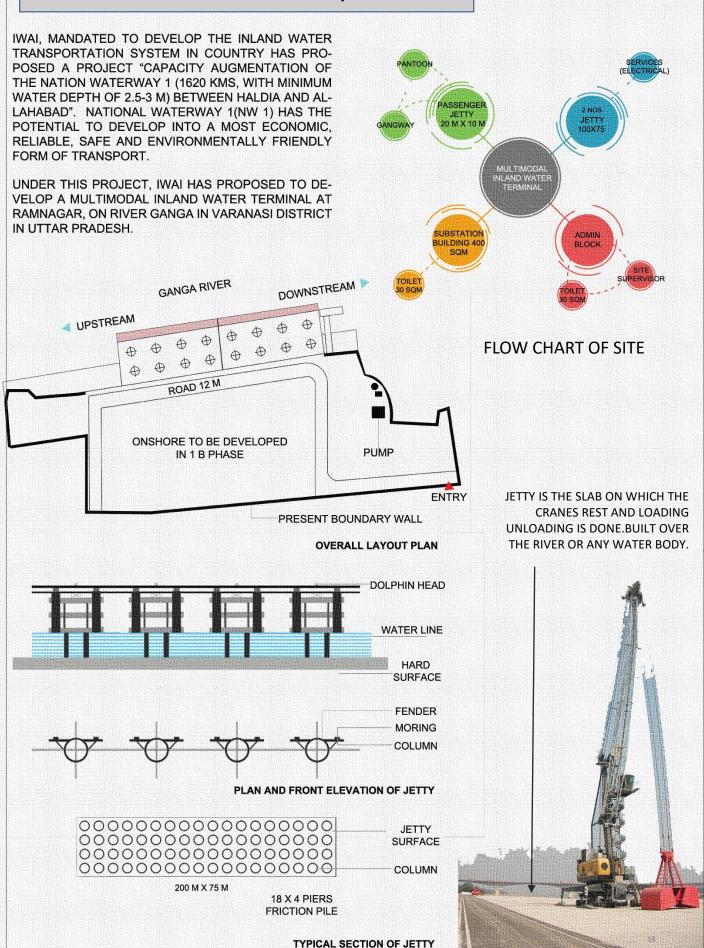








J: CASE STUDY IWAI TERMINAL, VARANASI



JETTY AND CRANE AT IWAI TERMINAL

!: CASTE STUDY IWAI TERMINAL ,HALDIA ,WEST BENGAL

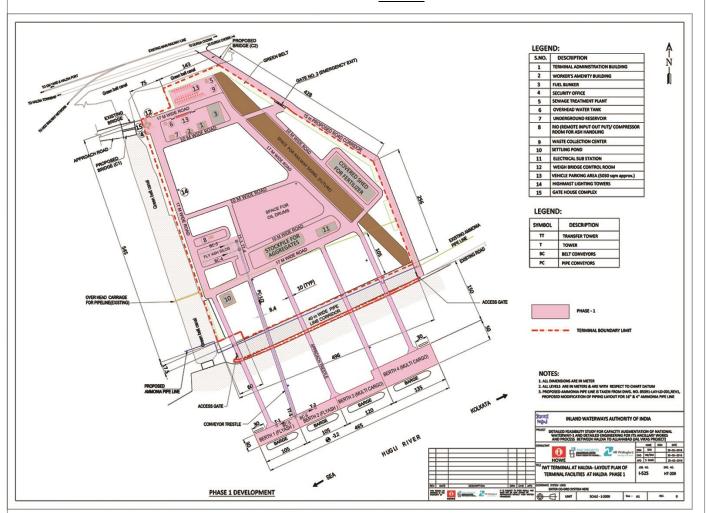
THE SITE PROPOSED FOR THE DEVELOPMENT OF HALDIA MMT IS LOCATED ON HUGLI RIVER.

SITE IS LOCATED 600 METERS SOUTH TO DURGACHAK RAIL-WAY STATION AND 12 KMS FROM HALDIA RAILWAY STATION.

HALDIA, BEING A RIVERINE PORT LOCATION WITH GOOD CONNECTIVITY BY ROAD AND RAIL, HAS TREMENDOUS POTENTIAL FOR ATTRACTING TRAFFIC THROUGH IWT. IT IS FAVOURABLY LOCATED TO ATTRACT TRANSHIPMENT OF IMPORT CARGO TO FEED THE REQUIREMENTS OF POWER PLANTS, STEEL PLANTS AND VARIOUS INDUSTRIES IN WEST BENGAL, BIHAR AND UP LOCATED NEAR NW1 ROUTE FROM HALDIA TO ALLAHABAD



FENDER TO PROTECT THE JETTY FROM SHIP CONTACT



Tonnage (T)	Length (m)	Beam (m)	Draft (m)
650 - 1000	60 - 80	8.20	2.20
1000 - 1500	80 - 85	9.50	2.20
1500 - 3000	85 - 95	15.00	2.50

THE MINIMUM DIAMETER OF THE TURN-ING CIRCLE SHOULD BE 1.7 TO 2.0 TIMES (1.7 FOR PROTECTED LOCATIONS AND 2.0 FOR EXPOSED LOCATIONS) THE LENGTH OF THE LARGEST VESSEL.

I: CASTE STUDY PHOTOS



DOLPHIN HEAD, THIS IS USE TO TIE SHIP (VESSEL)





K:LITREATURE STUDY, WATER FRONT, KANPUR

SOURCE: SPA DELHI LIBRARY

REQUIREMENTS

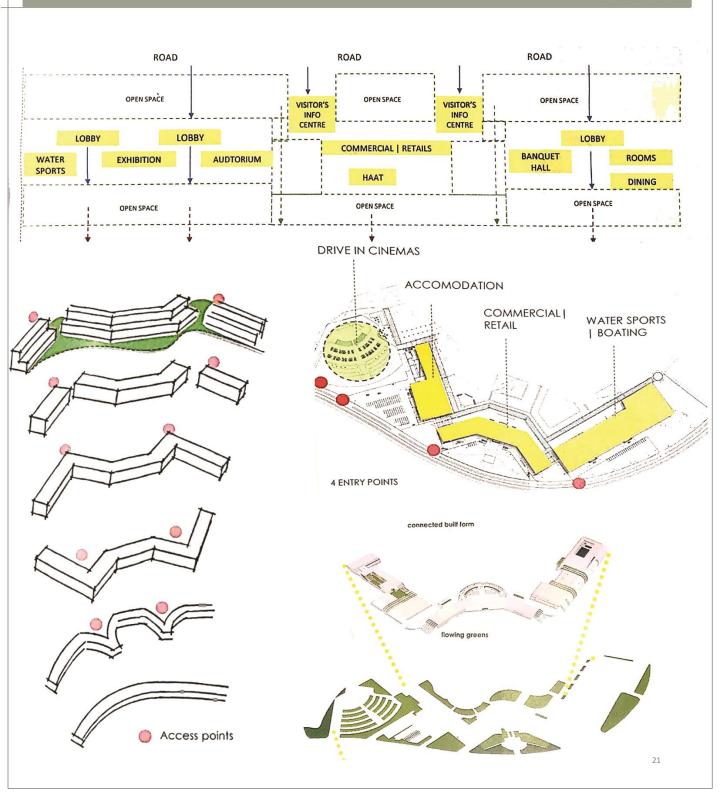
PROJECT I ARCHITECTURAL PROGRAM

WATER SPORTS COMPLEX
ACTIVITY CENTER
COMMERCIAL I RETAIL
HOSPITALITY
DRIVE IN CINEMA
PARKING

KIOSKS
SMALL SHOPS
MEDIUM & LARGE
SHOPS
ANCHOR COURTS
RESTRAUNTS
VIEW POINT

GYM
FOYER I WAITING
STORAGE
OUTDOOR BOATING
MESSAGE I THERAPY
SPA FOR WOMEN
SPA FOR MEN
WORKSHOP

HOTEL
SEATING SPACE
HAAT
ESTRIAN WALKWAY
SWIMMING POOL
ARTIFICIAL LAKE
BANQUET HALL
AMPHITHEATER
CYCLE TRACK



K:LITREATURE STUDY, FERRY TERMINAL, GUJARAT

SOURCE: BBD LIBRARY

DEPARTURE PASSENGER BY - PEDESTRIAN

ENTRY SENTRANCE PLAZA SFOYER SWAITING AREA

&
DEPARTURE WAITING AERA AT JETTY COMMERCIAL

DEPARTURE PASSENGER BY - CAR

PARKING SENTRANCE PLAZA FOYER WAITING AREA

RESTAURANT

DEPARTURE
WAITING AERA AT JETTY COMMERCIAL

REQUIRMENT CUM AREA

PARKING OF VEHICLES 2375 SQM

PASSENGER SHED 5000 sqm

BUS STATION 1500 SQM

FOYER 3450 SQM
TICKET COUNTER
WAITING ROW
ENQUIRY COUNTER
WAITING AREA & CAFETERIA
CONTROL ROOM

TOTAL AREA 32 ACRES

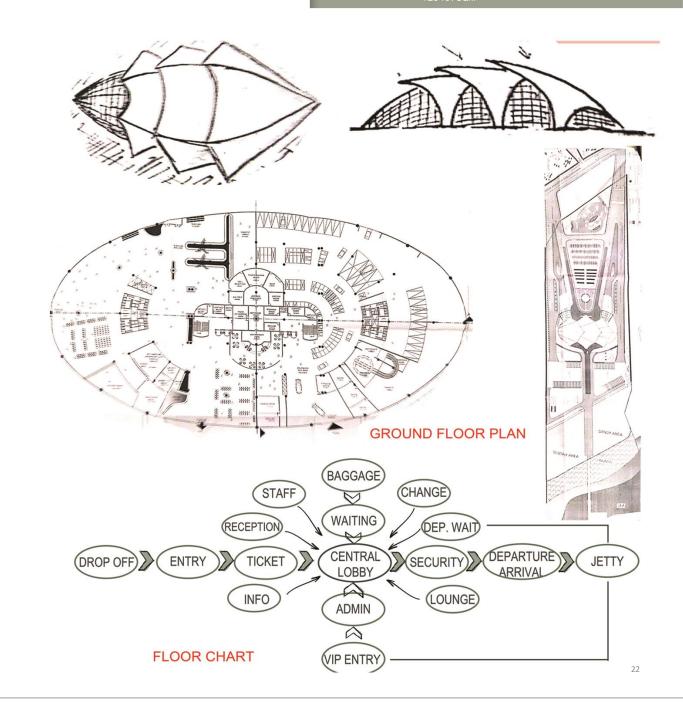
NO. OF FLOORS 129497/42735 3.03 FLOORS

PERMISSIBLE AREA 1 X 129497 129497sqm **DEPARTURE LOUNGE 1180 SQM** WAITING AREA AT JETTY TOILETS

ARRIVAL LOUNGE 1180 SQM WAITING AREA AT JETTY

CONTROL BUILDINGS
ELECTRICAL ROOM
CONTROL TOWER
STAFF OFFICES
STAFF RECREATION AREA
STORE ROOM

GROUND COV. 42734 SQM



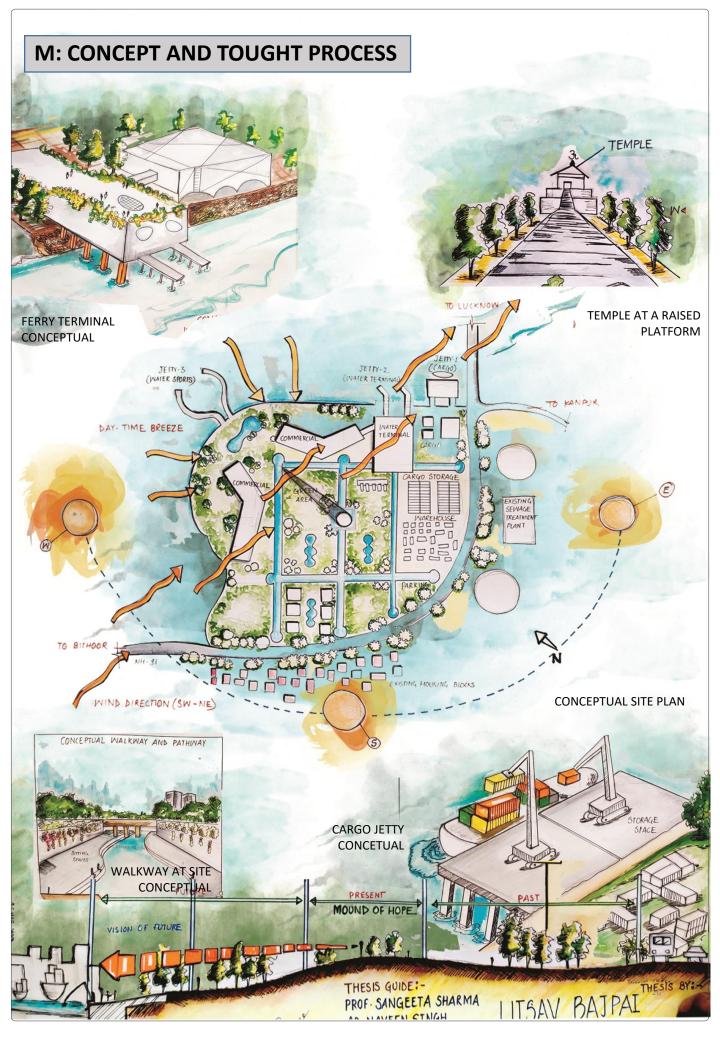
L:COMPARITIVE STUDY

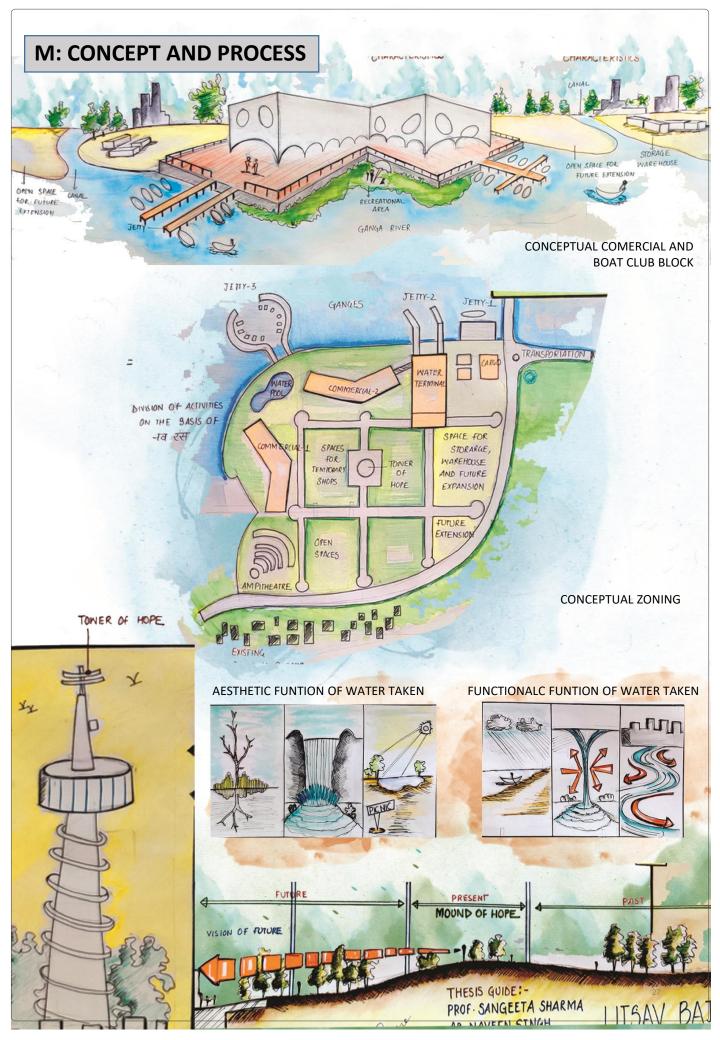
S. NO.	PARAMETERS	MMT VARANASI	MMT HALDIA	FERRY TERMINAL	WATERFRON -T
1	SITE AREA	5.685 на	35 на	32 на	21000 SQM
2	COVERED AREA			129497 SQM	34000 SQM
3	FAR	1	1	1.0	1.5
4	CAPACITY PER DAY	4,000 - 5,000 TONNE	8378 TONNE	٠	
5	CONNECTIVITY	NH-7	DURGACHAK RAILWAY ST.	SURAT RAILWAY ST.	NH- 91
6	INTERNAL CONECTIVITY	22 M & 12 M	22 M & 12 M	18 M & 6M	6 M & 3M & 2 M
7	SOIL QUALITY	SANDY & LOAMY	SANDY CLAY / CLAY LOAM	SALINE / ALKALI	SANDY CLAY / CLAY LOAM
8	SEISMICITY	ZONE 3	ZONE 3	ZONE 3	ZONE 3
9	SERVED AREAS	VARANASI & SURROUNDING	SOUTHERN BENGAL	GUJARAT	KANPUR CITY
10	ARCHI. STYLES		-	MORDERN	LANDSCAPE
11	TRANSPORTATION	ALLOWED	ALLOWED	ELECTRIC VEHICLES	RESTRICTED IN SITE
12	PARKING	SURFACE	SURFACE	SURFACE BASEMENT	ON EDGES
13	FUNCTIONS	PASSENGER / CARGO	CARGO / INDUSTRIAL	PASSENGER TRANSPORT	RECREATIONAL COMMERCIAL
14	ACTIVITIES	INDUSTRIAL COMMERCIAL	INDUSTRIAL	FERRY	BOATING SHOPS ,CINEMA

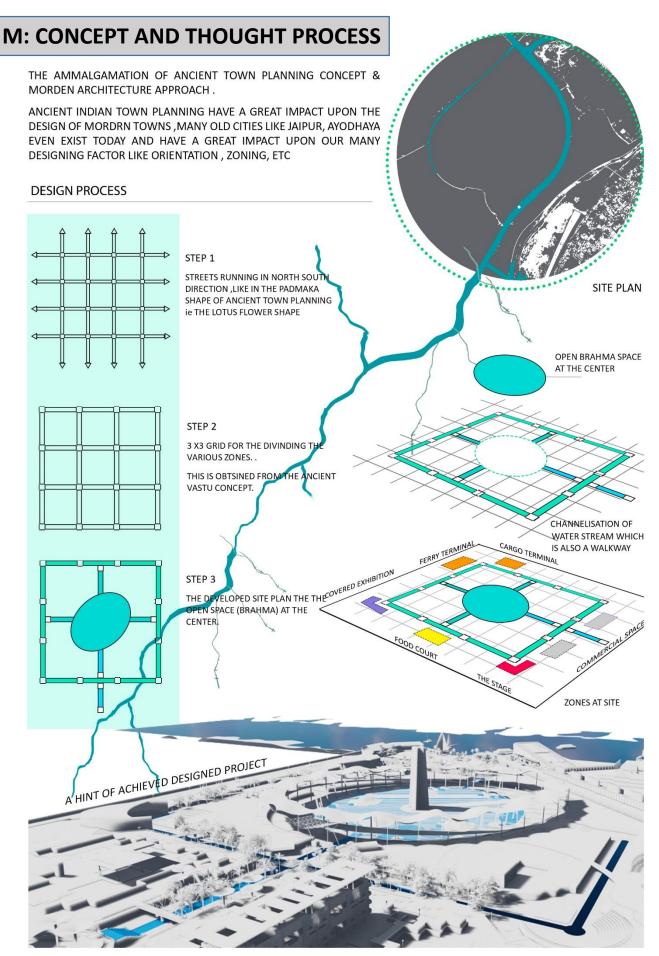
N: AREA AND REQUIREMENT

			ANC	vater FIUIT				
shops			2950					CLOC
small shops	15	75	1125	Kids recreation zone			2	3050
mediim shons	22	20	1100	non electrical	al	1000	Н	1000
	1 6	30	725	electrical		2000	Н	2000
large snops	67	57	57/	electrical room	шо	20	1	20
exhibition area			1000					
PozoNOS	1000	_	1001	lotus pond				0
Covered	7000	-	7000	cascade waterfall				C
on road			0)
amphitheater			1176	water sports				0
1000	001	,	000	water polo		20	20	1000
Seating	000	1.2	000					
green room	18	7	36					
common toilet			0					1000
reherseal stage	240	1	240	siood guillings				1980
storage	09	1	09	indoor swimming pool		180	-	180
stage	240	1	240			180	10	1800
								c
boat club	4.5	222	666	outdoor swimming pool	_			0
foyer / waiting			0					4044
storage boathouse			0	commercial			0	1814
toilets			0	spa for men		5.5	30	165
restallrent			0	spa for women		5.5	30	165
live grands								
into Barana			0 0	saloon men		20	Ţ	20
raining member			o (M N		4.5	100	450
pantry			0	message / therapy		150	,	150
toilets			0	dance floor		4.5	222	666
cultural stage			1136					1
standing area	1000	6.0	900	cyclecross track				0
green room	18	2	36	pathway				0
storage	200	1	200	ghats				0
		Ĭ		urban beach		4.5	100	276
florist shop	100	_	100	changing		1.2	30	36
restaurent	200	7	1000	storage		06	1	90
eateries	150	2	300					
				total				11891
urhan beach			C	circulation space	11891	30%		3567.3
)	TOTAL AREA WITH CIRCULATION	CULATION		_	15458.3

	N:	: /	\ F	RE	Α	. <i>F</i>	11	NE)	RE	ΞC	રા	JI	RE	IV	ΙE	N ⁻	Τ																		24360				15.0519
																																				CARGO	1	40 ACRES	161840	% 0.15051934
	7500	224	15	150	4	240	20	400		190	0	30	200	15 0	0	0		2000	2000	1500	0			200		4764	1429.2	6193.2								TOTAL AREA OF WATER TERMINAL AND CARGO	FAR	SITE AREA		G. COVERAGE %
				10	1	20	1	1		20		20	10	\leftarrow										10												F WATE				
Cargo	75*100	112*2		15	4	12	20	400	and the second	9.5		1.5	20	15										20				CULATION								OTAL AREA C				
C	cargo jetty	crane	watch tower	guest house for eng.	guard room	staff quarter	surveillance room	substation		labour quarter		canteen	pantoon	infirmary fuel berth	vessel parking		storage	oben	covered	packing area	common toilets	future expansion		admin		TOTAL	circulation space	TOTAL AREA WITH CIRCULATION							,	_				
	657	6	6	10	460	30	80	10	16	70	4	6			230	230	120	15	10	10	∞	50 20	4	100	108	4	12	157 5	117 5	45	0,00	348	ς ;	240	70	0 4	•	2083.5	625.05	2708.55
					200	20	1		4		П				100	100	20	10			7		,	Н	18	-	П		 	2			کر د	9						2
					2.3	1.5	80		4		4				2.3	5.3	9	1.5			4			100	9	4	12		7	?		Ĺ	L:5	4					30%	
Water Terminal	foyer	ticket counter	enquiry counter	waiting row	waiting area	cafeteria	control room	announcement room	security check	store	pantry	cloak room	common toilets		departure lounge	aliival lounge	staff office	staff changing	staff recreational	first aid counter	janitor room	store	atm	passenger meet and greet area	retail shop	public telephone	internet excess to passenger	1574	lestaulent	kitchen and storage		rod sng	Waiting	parking or bus	control + enquiry	ianitor		total	circulation space	TOTAL AREA WITH CIRCULATION







THOUGHT

THE PROJECT CONSIST OF THREE PARTS IE INLAND WATER TERMINAL , A FERRY TERMINAL & WATER FRONT FOR THE CITY OF KANPUR.

KANPUR S LOCATED IN UTTAR PRADESH ,INDIA .THIS IS AN INDUSTRIAL CITY WHICH HAS BEEN SHADOWED BY DEVELOPMENT ACTIVITIES ,HENCE RESIDENTD OF THE CITY FACE MANY PROBLEMS IN THEIR DAY TO DAY LIFE .

THIS PROJECT WILL IMPART THEM A MODE OF TRANSPORTATION (FERRY TERMINAL), A BACKBONE TO NDUSTRIAL HUB (INALND WATER TERMINAL) ,AND A OPEN RECREATION ZONE WHERE THE PEOPLE CAN ENJOY THEMSELFVES ON THE BANKS OF GANGES (WATERFRONT).

PROGRAM

WATERFRONT BOAT CLUB COMMERCIAL SHOPS SPA LOUNGE COVERED EXHIBITION OPEN EXHIBITION STAGE OAT HERITAGE WALKWAY

CYCYLE TRACK

CYCLE RACING PATH

WATER TERMNAL (CARGO) CARGO JETTY ADMIN OPEN STORAGE COVERED STORAGE CANTEEN SUBSTATION FUEL BERTH FERRY TERMINAL
DEPARTURE LOUNGE
ARRIVAL LOUNGE
RESTRAUNT
PICKUP/DROP POINT
ADMIN
GANGWAY
JETTY



TRAFFIC MAPING

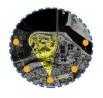


AT 7 AM AT 2 PM

AT 7 PM

CLIMATE AND SURROUNDING

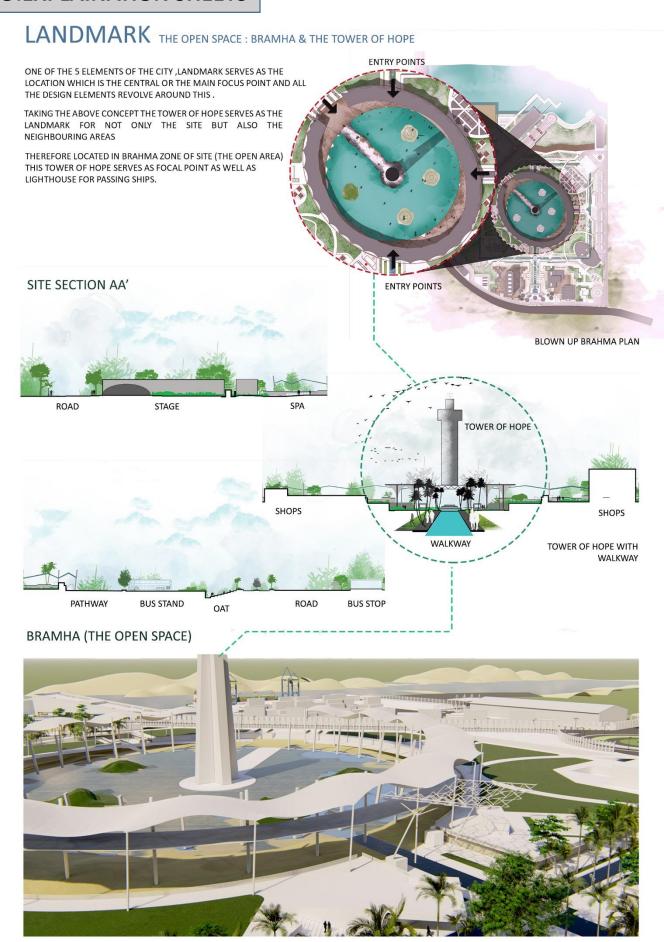




NOISE NODES

WIND MOVEMENT SW- NE

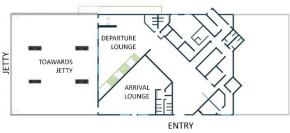
SUN PATH



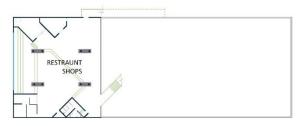
EDGE: FERRY TERMINAL



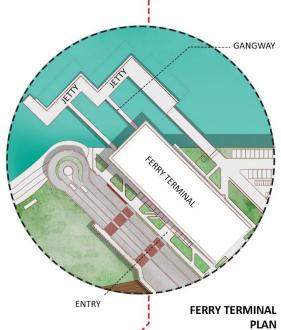
THE FERRY TERMINAL IS ONE OF THE MAJOR PART OF THIS PROJECT, THIS TERMINAL WILL PROVIDE ANOTHER MODE TRANSPORT TO THE PEOPLE OF THE CITY MOREOVER PRESSURE ON THE OTHER MODES OF TRANSPORT WILL REDUCE AND AND AT THE SAME TIME WATER TRANSPORTATION CAUSES MUCH POLLUTION AS COMPARED TO THE OTHER MODES OF TRANSPORT.

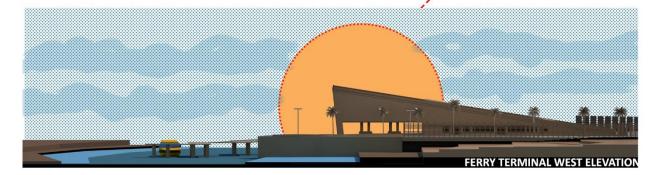


GROUND FLOOR PLAN



FIRST FLOOR PLAN



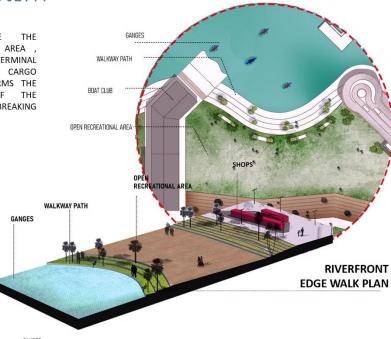


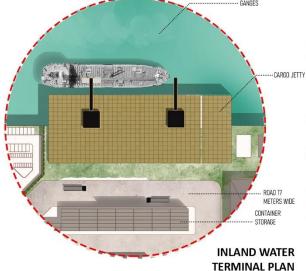
EDGE: WALKWAY & CARGO JETTY

ONE OF THE 5 ELEMENTS OF THE CITY, EDGE SERVES AS THE LOCATION WHICH IS AT THE EDGE OR THE PRIPHERY OF THE DESIGN .

TAKING THE ABOVE CONCEPT THE RIVER LINE IS PERCIEVED AS THE LINEAR FORBM B O U N D A R I E S BETWEEN ARBAS AND IS BREAKING THE CONTINUITY.

THEREFORE THE WALKWAY AREA , FERRY TERMINAL AND THE CARGO JEETY FORMS THE EDGE OF THE DESIGN IE BREAKING





WALKWAY 3D SECTION







WALKWAY TO FERRY TERMINAL 3D RENDER THE CARGO TERMINAL IS ONE OF THE MAJOR PART OF THIS PROJECT, THIS TERMINAL WILL ANOTHER PROVIDE MODE OF TRANSPORT TO THE LOGISTICS MOVEMENT OF THE CITY MOREOVER PRESSURE ON THE OTHER MODES OF TRANSPORT RAILWAYS WILL REDUCE AND AND THE SAME TRANSPORTATION CAUSES MUCH LESS POLLUTION AS COMPARED TO THE OTHER MODES OF TRANSPORT.

SECTION BB'

PATH & NODES

CYCLE CUM PEDESTRIAN TRACK, WATER CHANNEL & EXHIBITION CENTER, OAT, THE STAGE



WALKWAY CUM CYCLE TRACK WITH RESTRAUNT ON RIGHT

ONE OF THE 5 ELEMENTS OF THE CITY IS PATH . THESE ARE THE STREETS AND CANAL AND CYCLE TRACK IN THIS DESIGN IN WHICH PEOPLE TRAVEL.

TAKING THE ABOVE T CONCEPT THE PATH CHANELISATION OF COONECTS WATER VARIOUS ZONES OF ALL ALONG THE PARK TO OTHER THESE CYCLE CONTAIN PEDESTRIAN CONCEPT OF THE WALKWAY ,CYCLE PATH . TRACKS AND ROADS INSIDE THE SITE.

STREAM EACH WALKWAY TRACK **FOLLOWS** THE

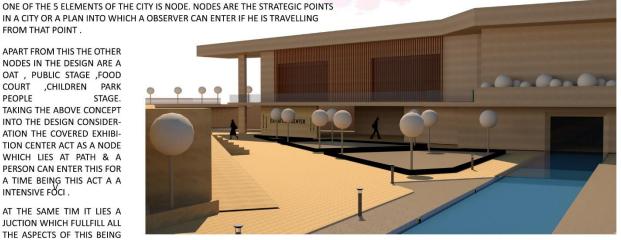


APART FROM THIS THE OTHER NODES IN THE DESIGN ARE A OAT , PUBLIC STAGE ,FOOD COURT ,CHILDREN PARK PEOPLE STAGE. TAKING THE ABOVE CONCEPT INTO THE DESIGN CONSIDER-ATION THE COVERED EXHIBI-TION CENTER ACT AS A NODE

FROM THAT POINT.

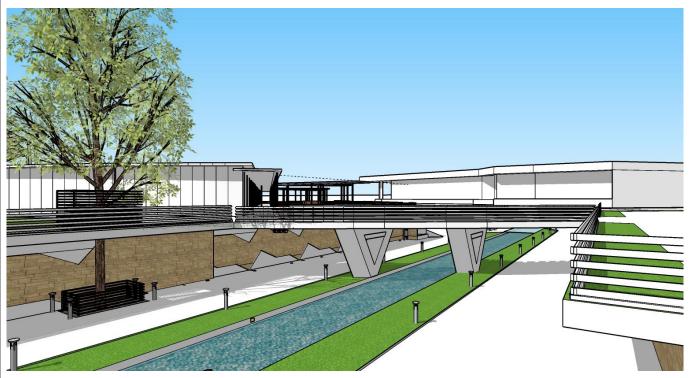
WHICH LIES AT PATH & A PERSON CAN ENTER THIS FOR A TIME BEING THIS ACT A A INTENSIVE FOCI . AT THE SAME TIM IT LIES A

JUCTION WHICH FULLFILL ALL THE ASPECTS OF THIS BEING NODE



3D RENDER OF EXHIBITION CENTER AS A NODE

P:VIEWS



WALKWAY LEADINH EXHIBITION CENTER



SHOPPING COMPLEX



GAZIBOS NEAR CANTEEN AREA



BRIDGE LEADING TO OPEN EXHIBITION AREA

P:VIEWS



WATERFRONT ENTRYWITH A GLIPSE OF TOWER OF HOPE



PEDISTRIAN CUM CYCLE TRACK WITH RIVER CHANNEL

P:VIEWS

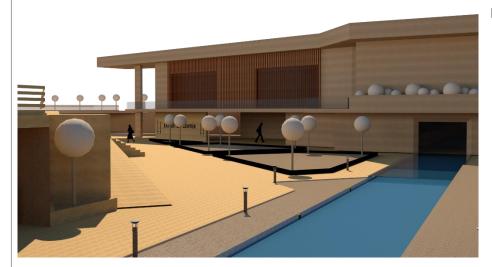


FERRY TERMINAL ENTRY FROM THE 4 LANE ROAD



CARGO TERMINAL JETTY

P:VIEWS



EXHIBITION CENTER ENTRY FROM THE RIVER CHANNEL

EXHIBITION CENTER MODEL BIRD EYE VIEW





FERRY TERMINAL BIRD EYE VIEW

Q: DRAWINGS

- 1. SITE PLAN AND SITE SECTION A2 SHEET
- 2. FERRY TERMINAL PLAN AND SECTION A2 SHEET
- 3. SHOPPING COMPLEX PLAN AND SECTION A2 SHEET
- 4. EXHIBITION HALL PLAN AND SECTION A2 SHEET
- 5. ADMIN BUILDING OF CARGO TERMNINAL A2 SHEET
- 6. BOAT CLUB RESTRAUNT A2 SHEET

WATERFRONT

Н E M Α G E

INLAND WATER TERMINAL F

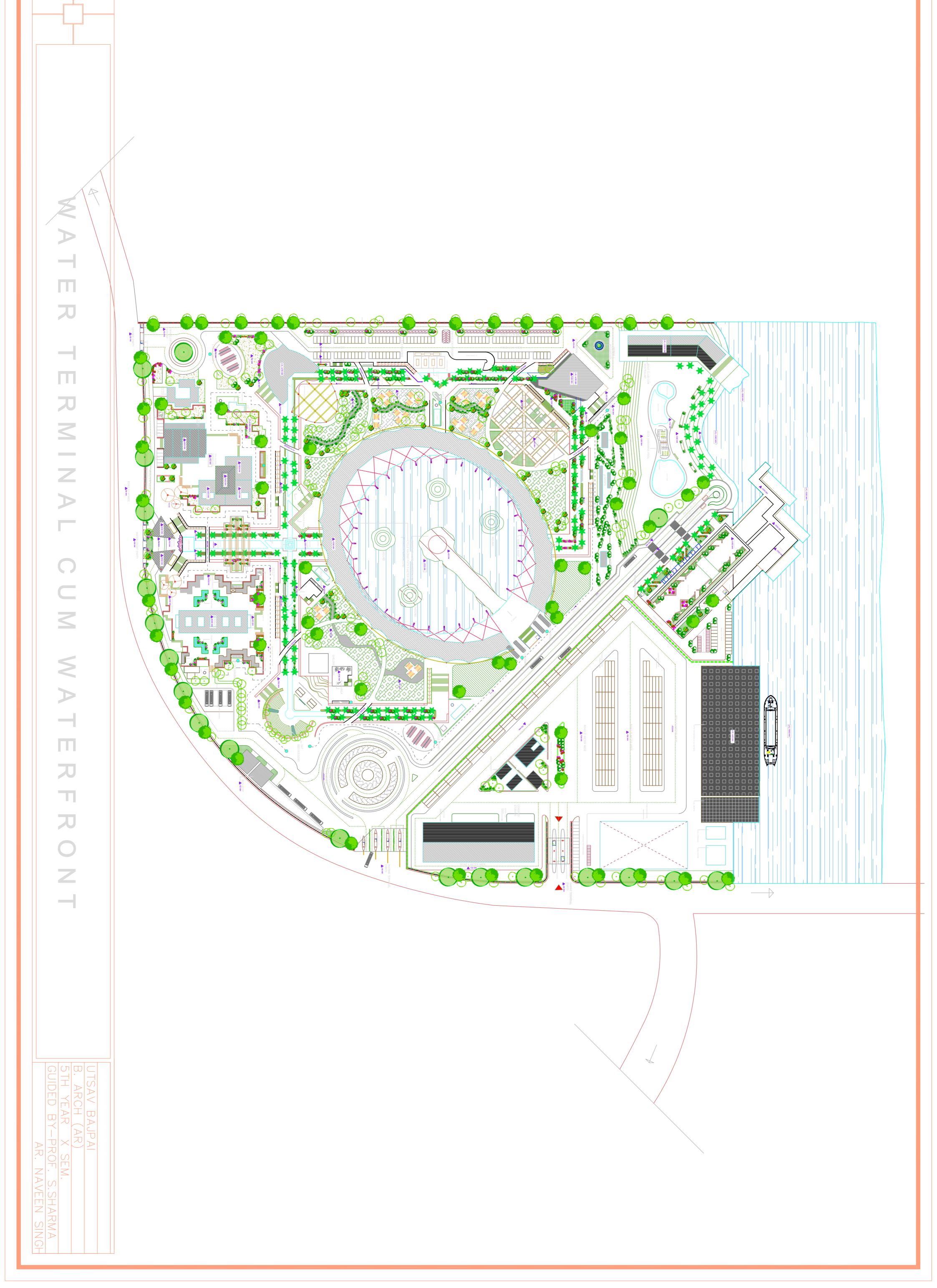
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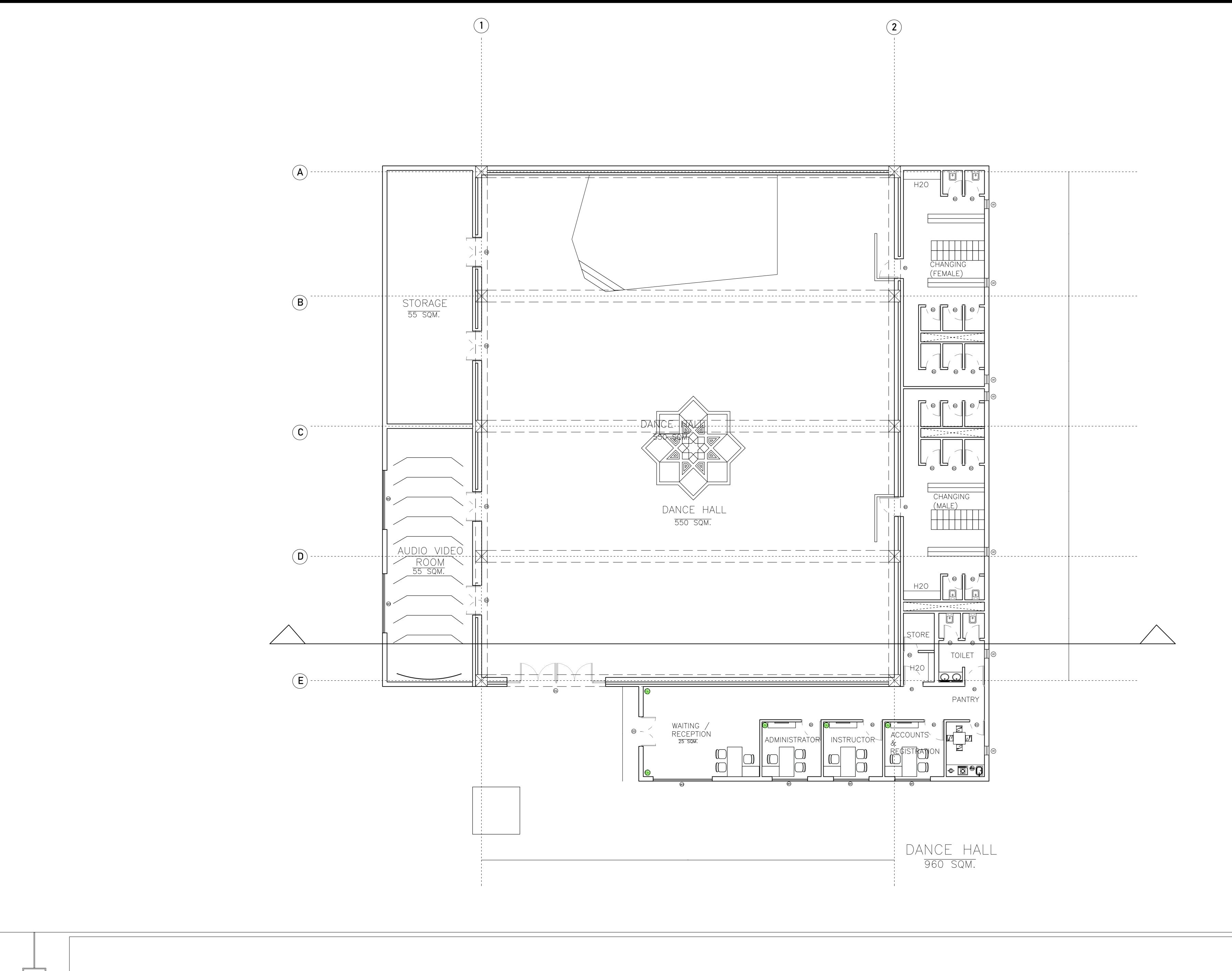


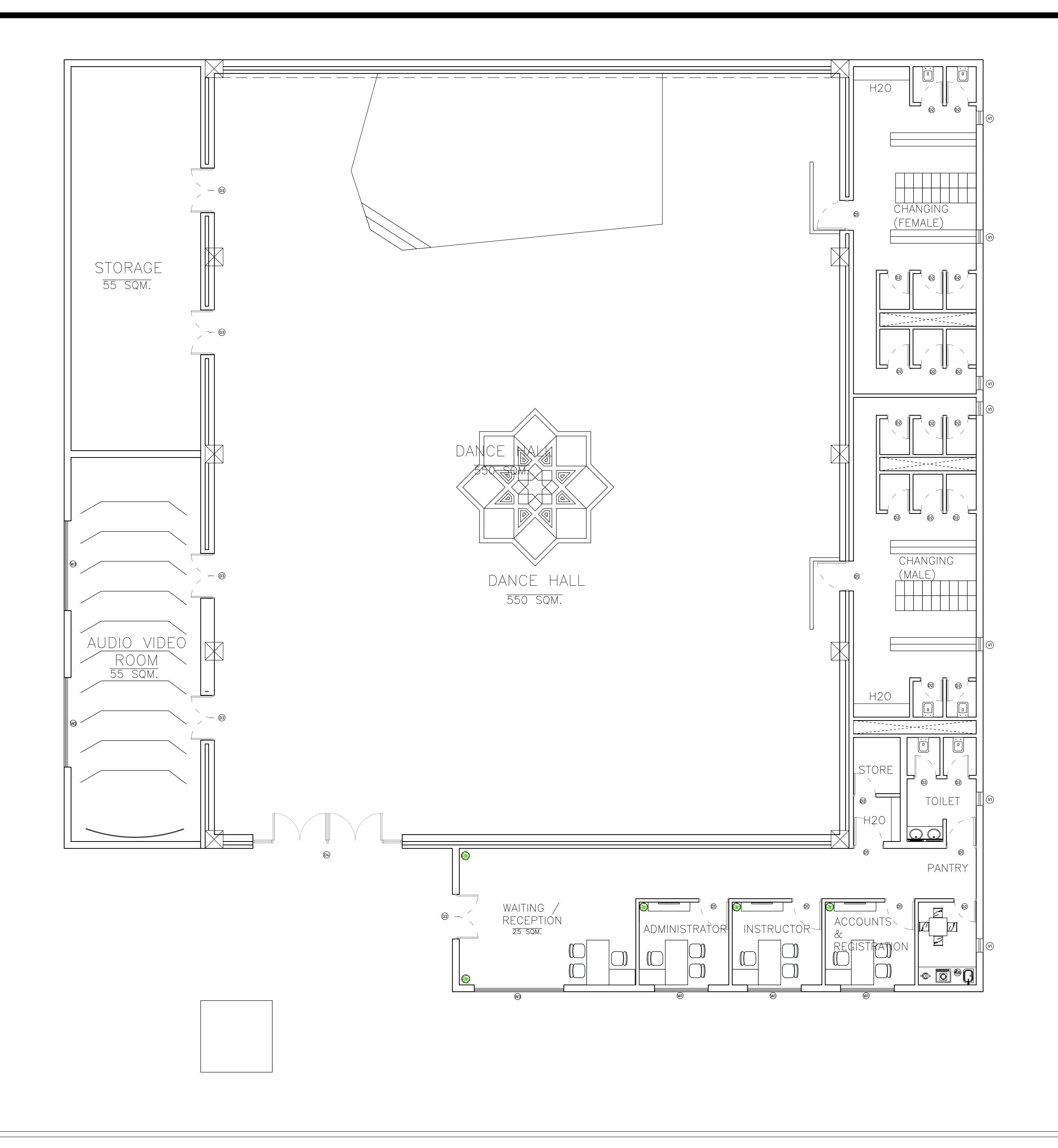
AT THE END I WOULD LIKE TO CONCLUDE BY SAYING IT WAS AMAZING AND NEW EXPIRIENCE FOR ME TO DO ALL THIS WORK AND SUBMISSION EVEN ΙN THIS COVID 19 PANDAMIC TIME .FROM EXPIERIENCE I HAVE LEARNT THAT EVERYTHING IS POSSIBLE IF ONE TRIES TO FIGHT THE ODDS AND TURN THE NEGATIVE MINDSET INTO POSITIVE ONE.

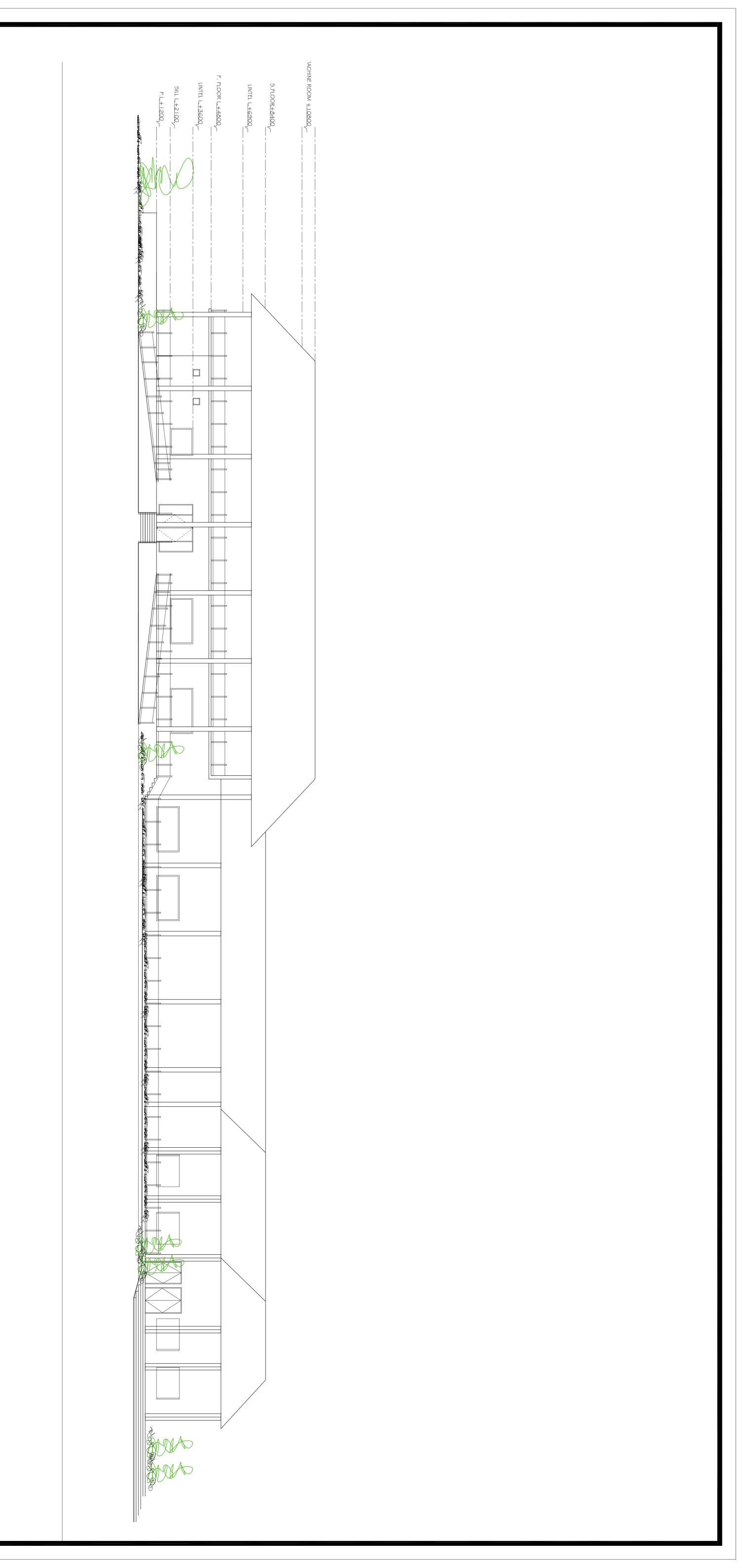
THESE TIMES HAVE CHANGED MANY NORMS AND REGULATION AND WE NEED TO ACCEPT AND LIVE IN THIS "NEW NORMAL".

SO GOOD LUCK TO ALL MY JUNIORS HOPE YOU FIND THIS "IMAGE OF CITY" HELPFUL AND MOTIVATING.

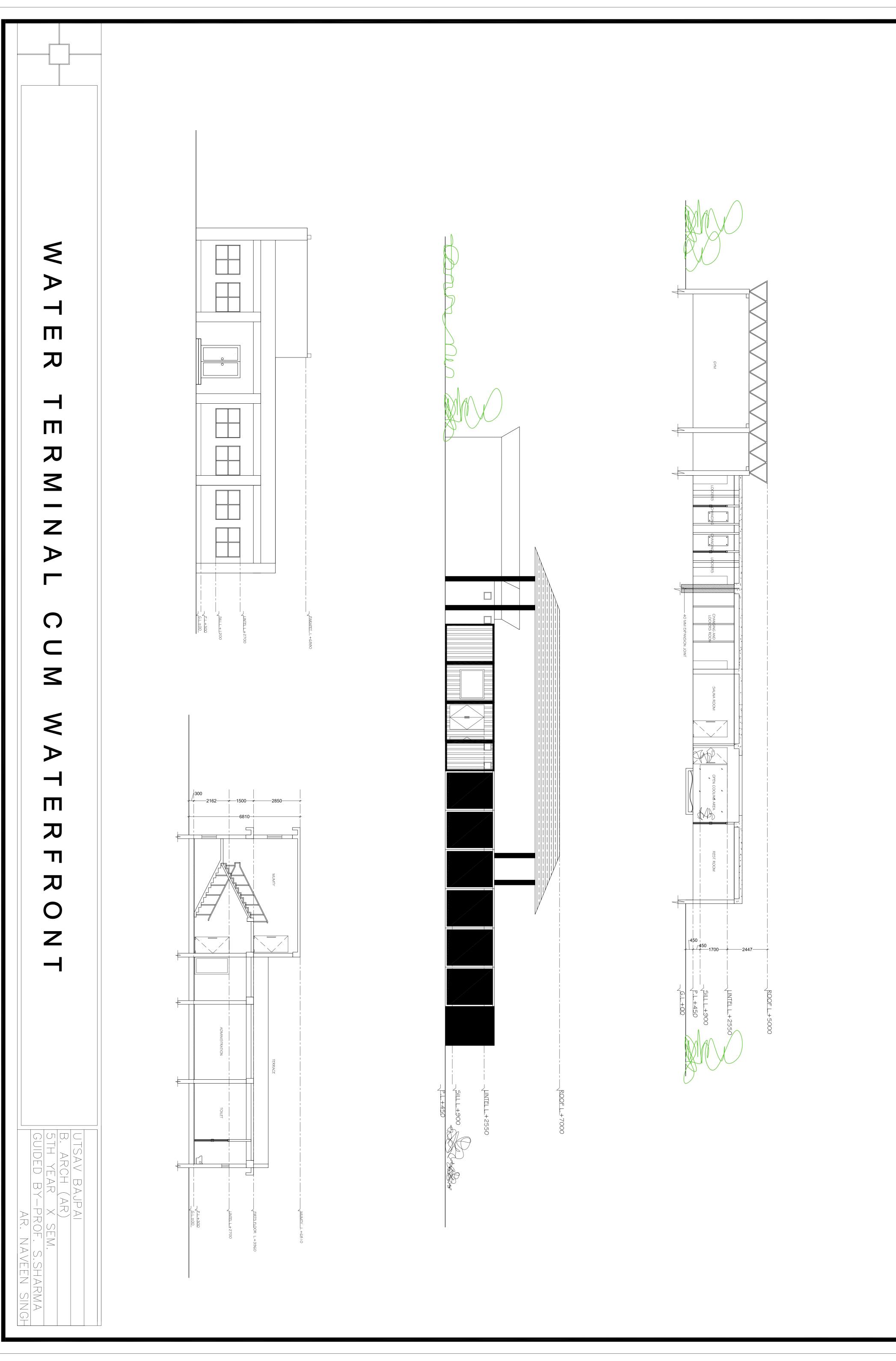








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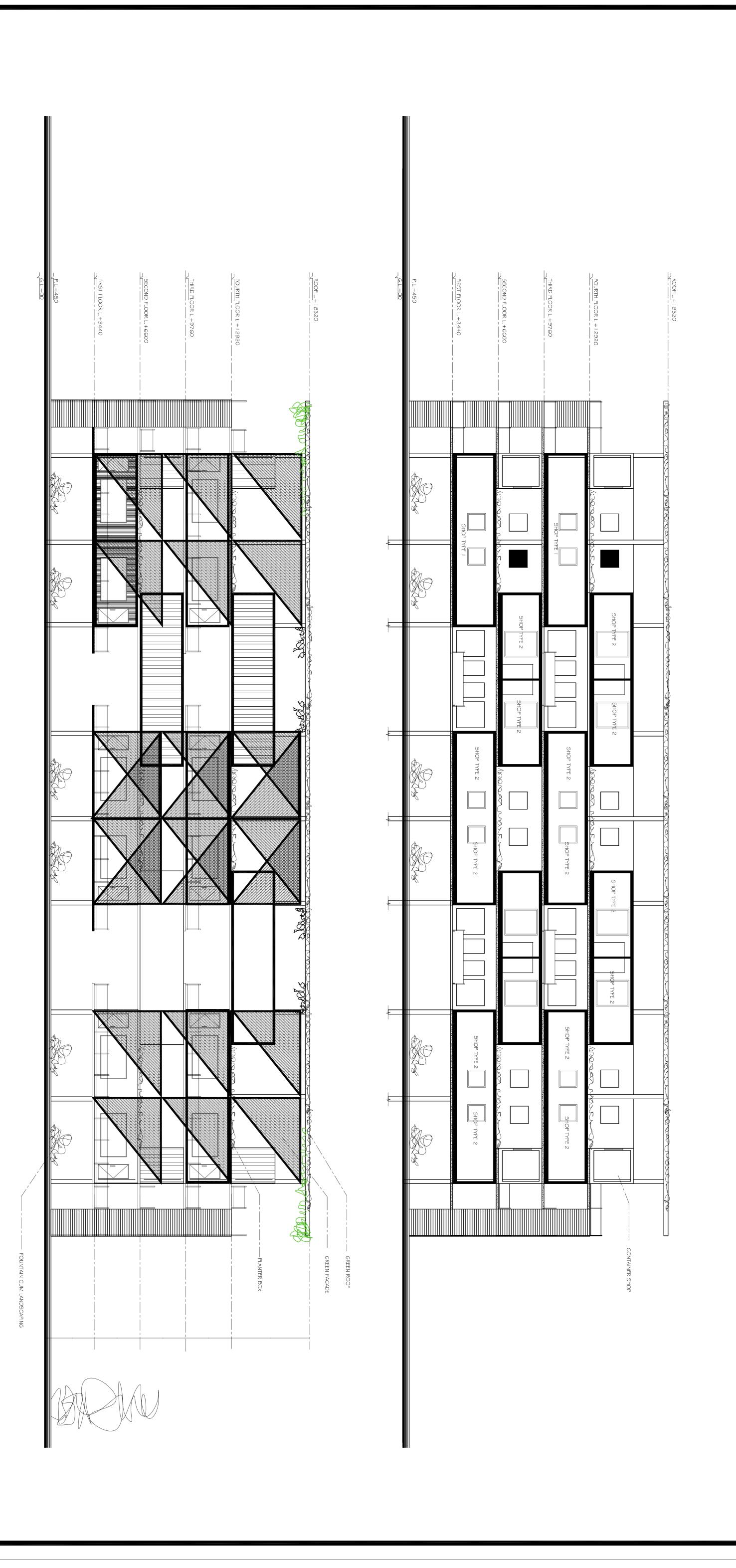
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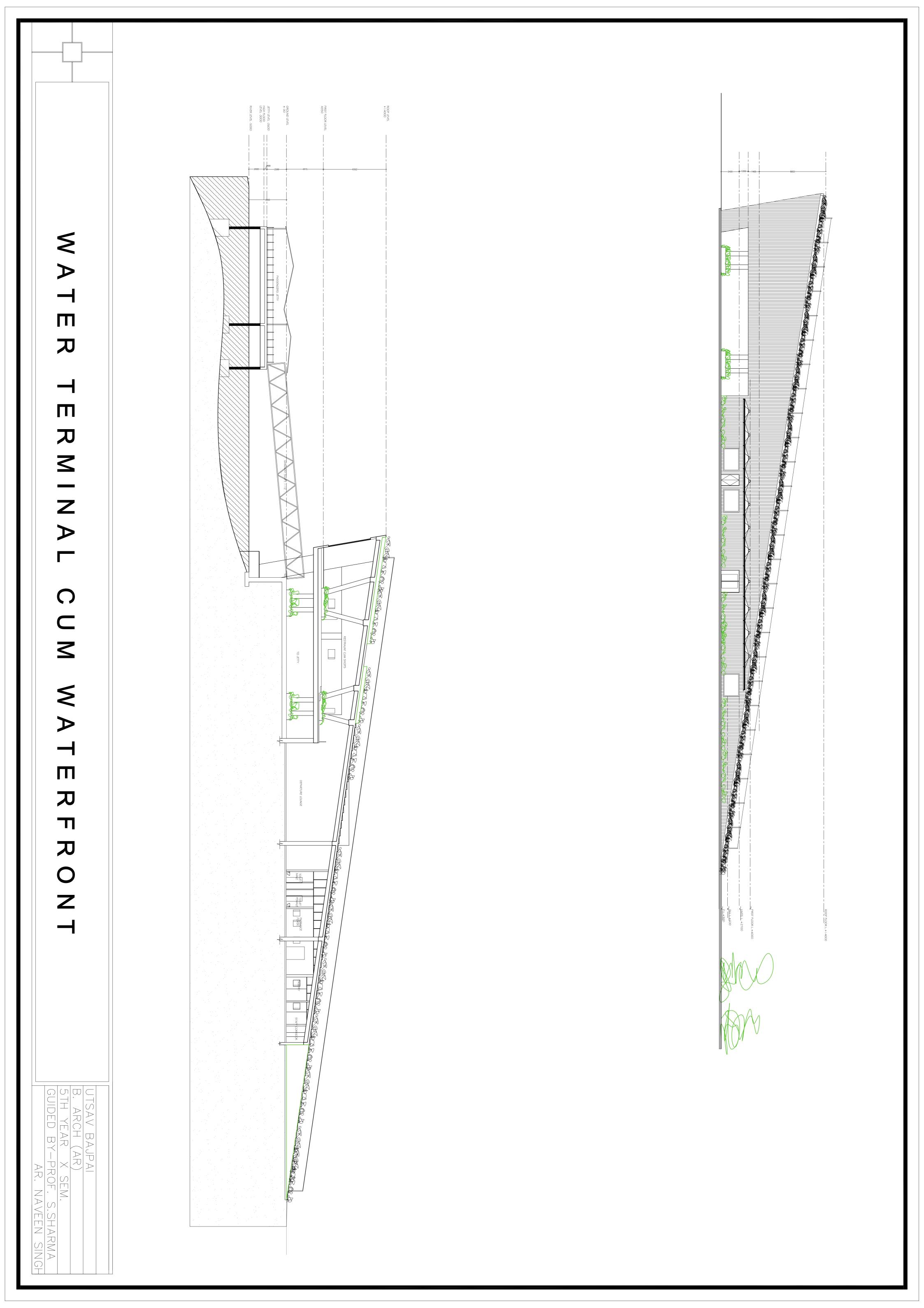
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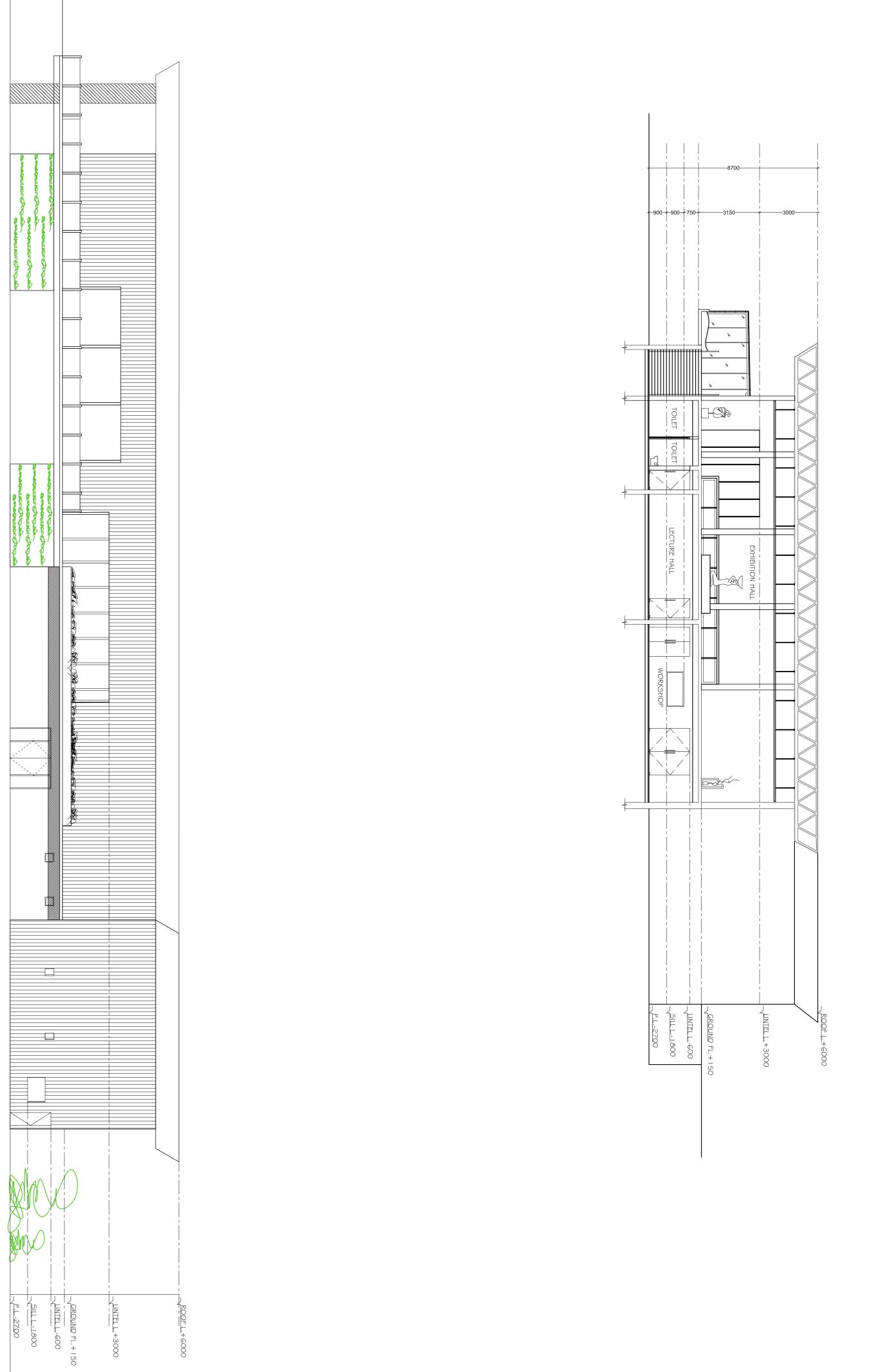
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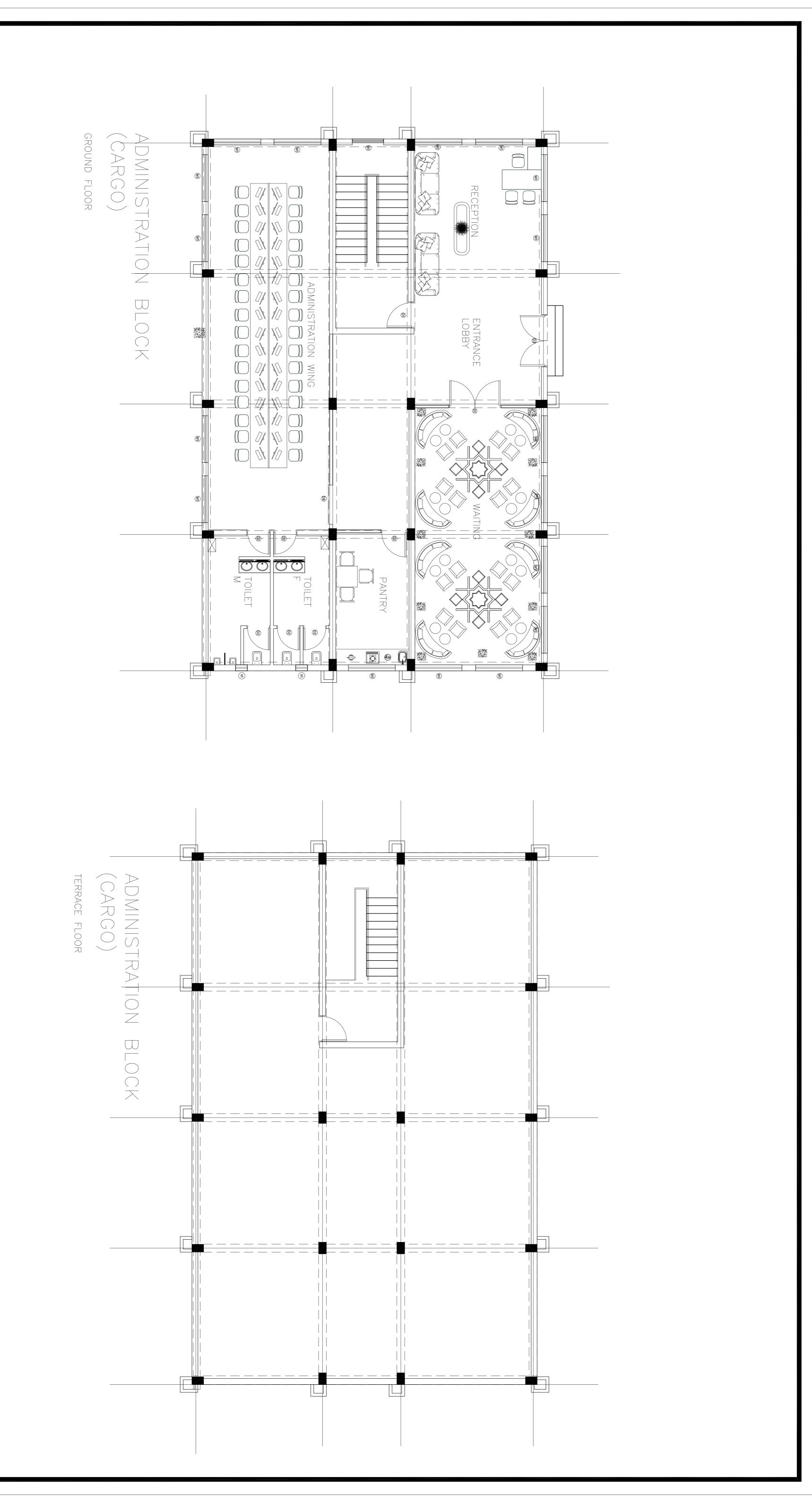


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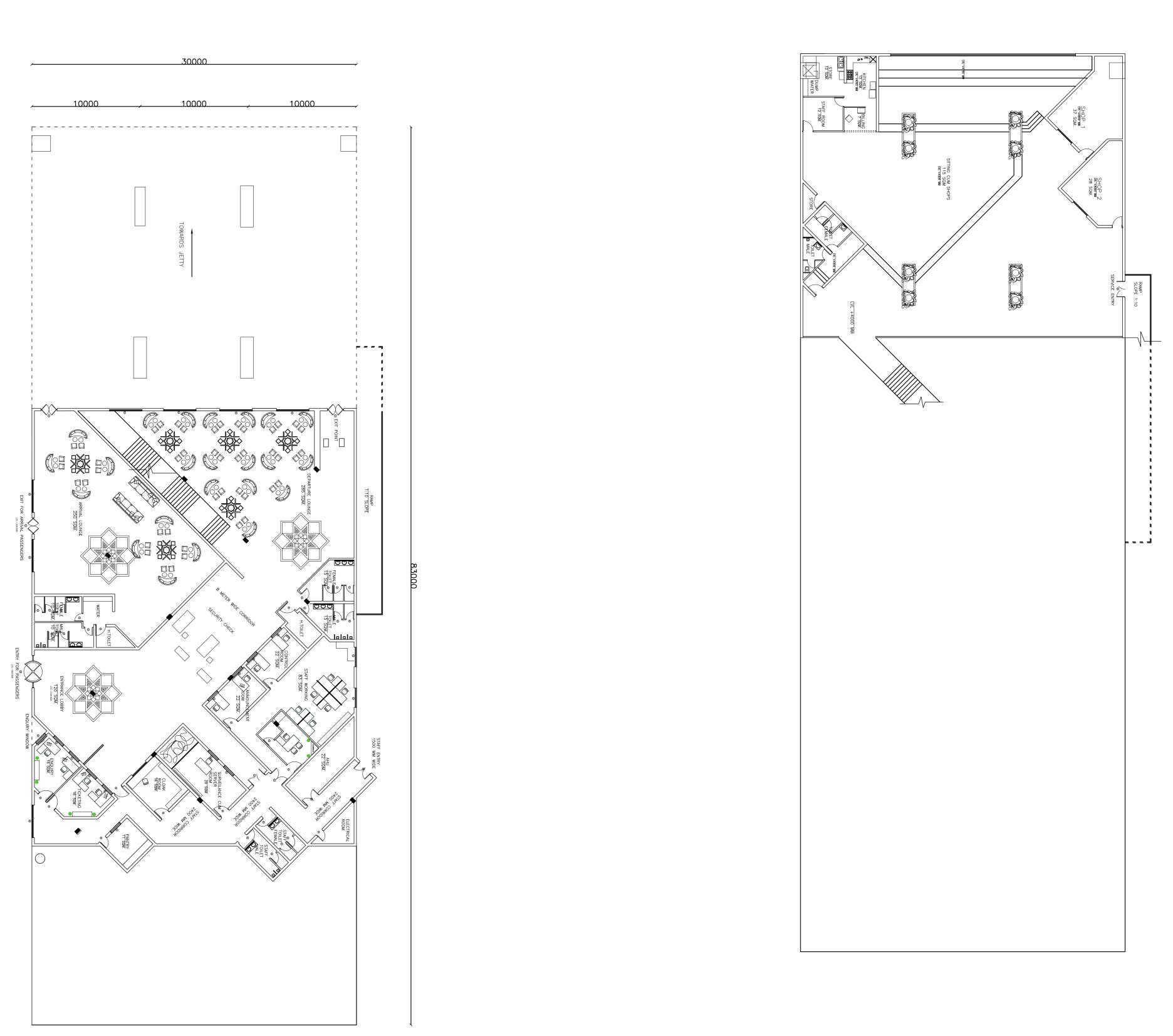




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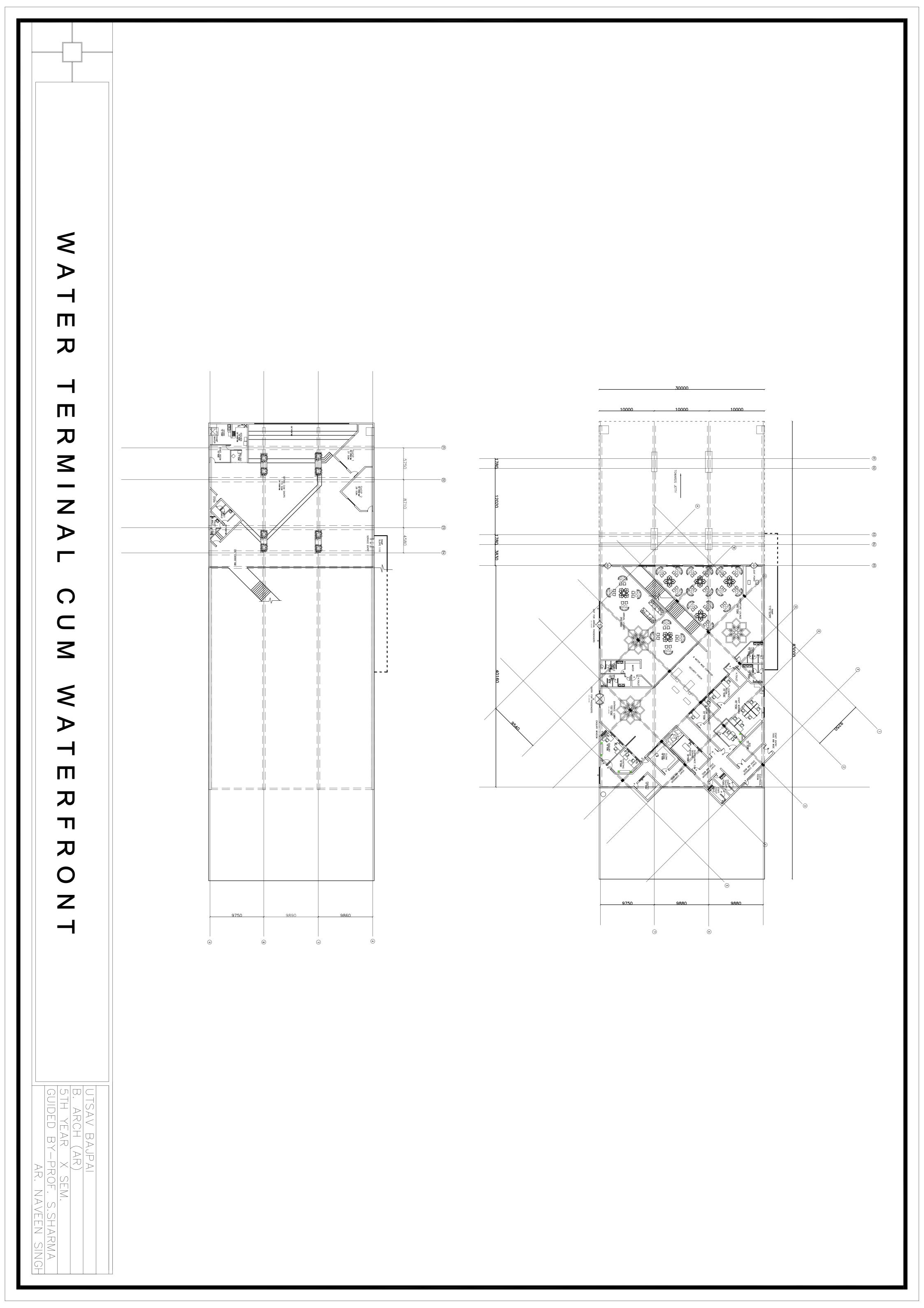
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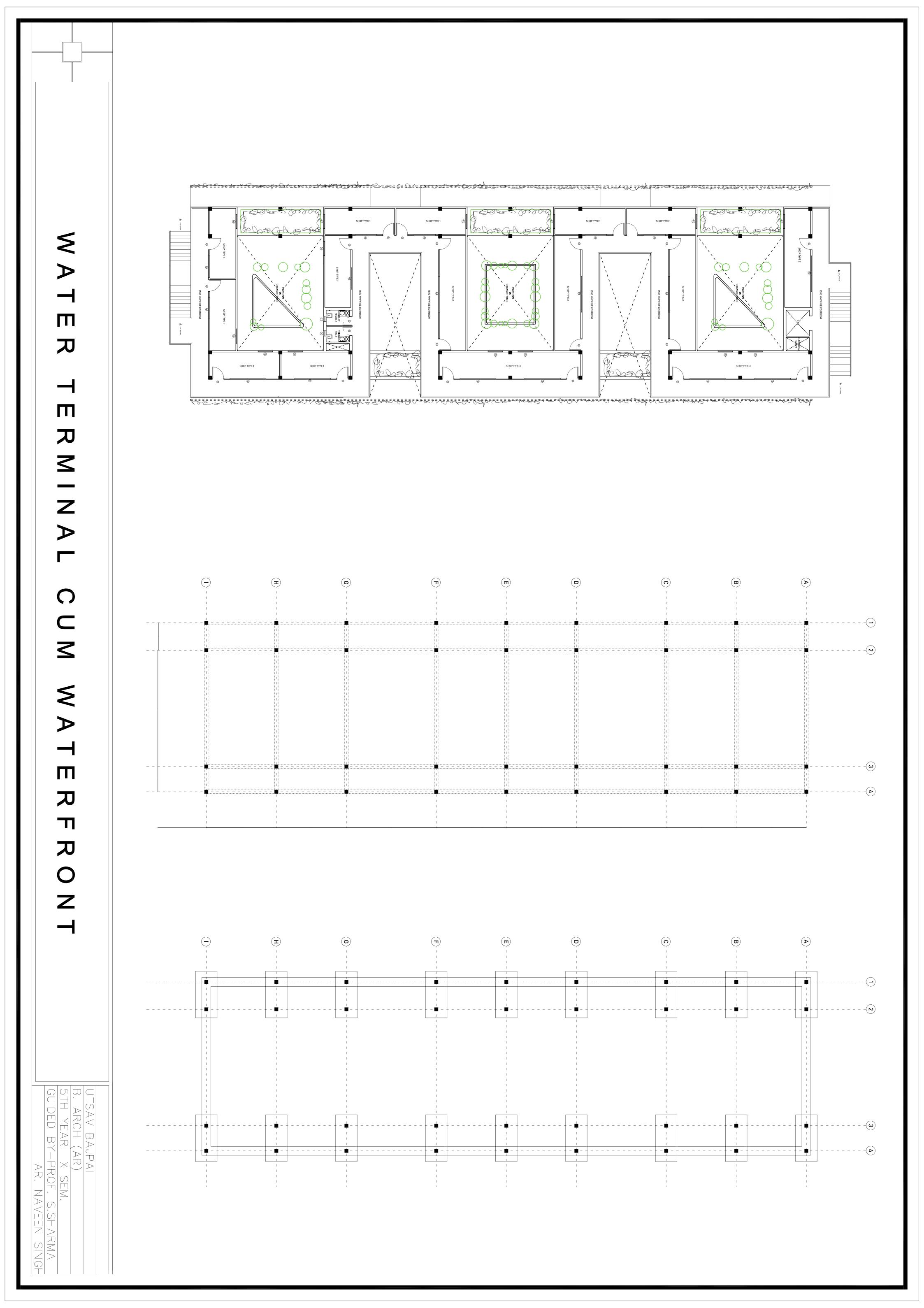
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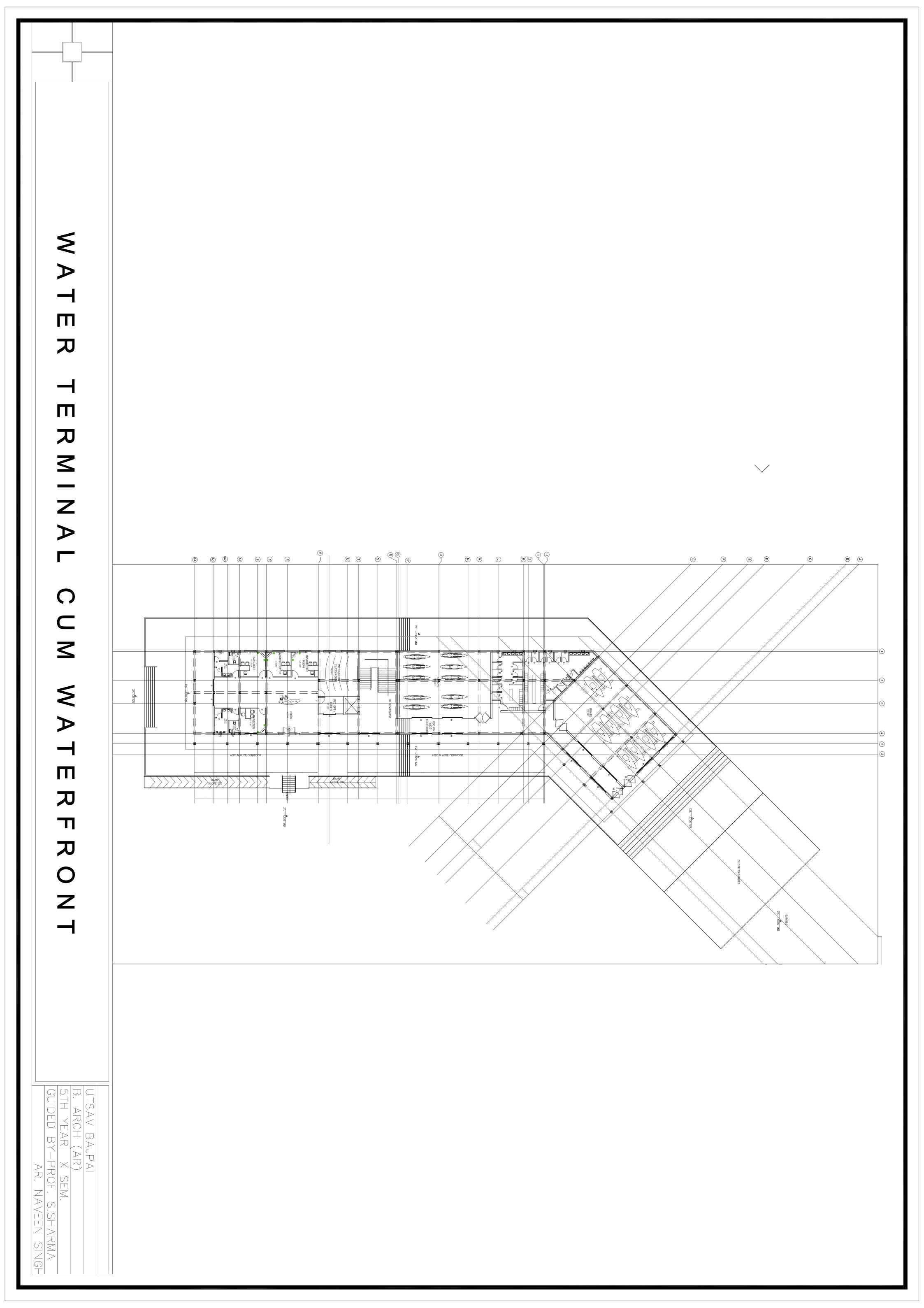
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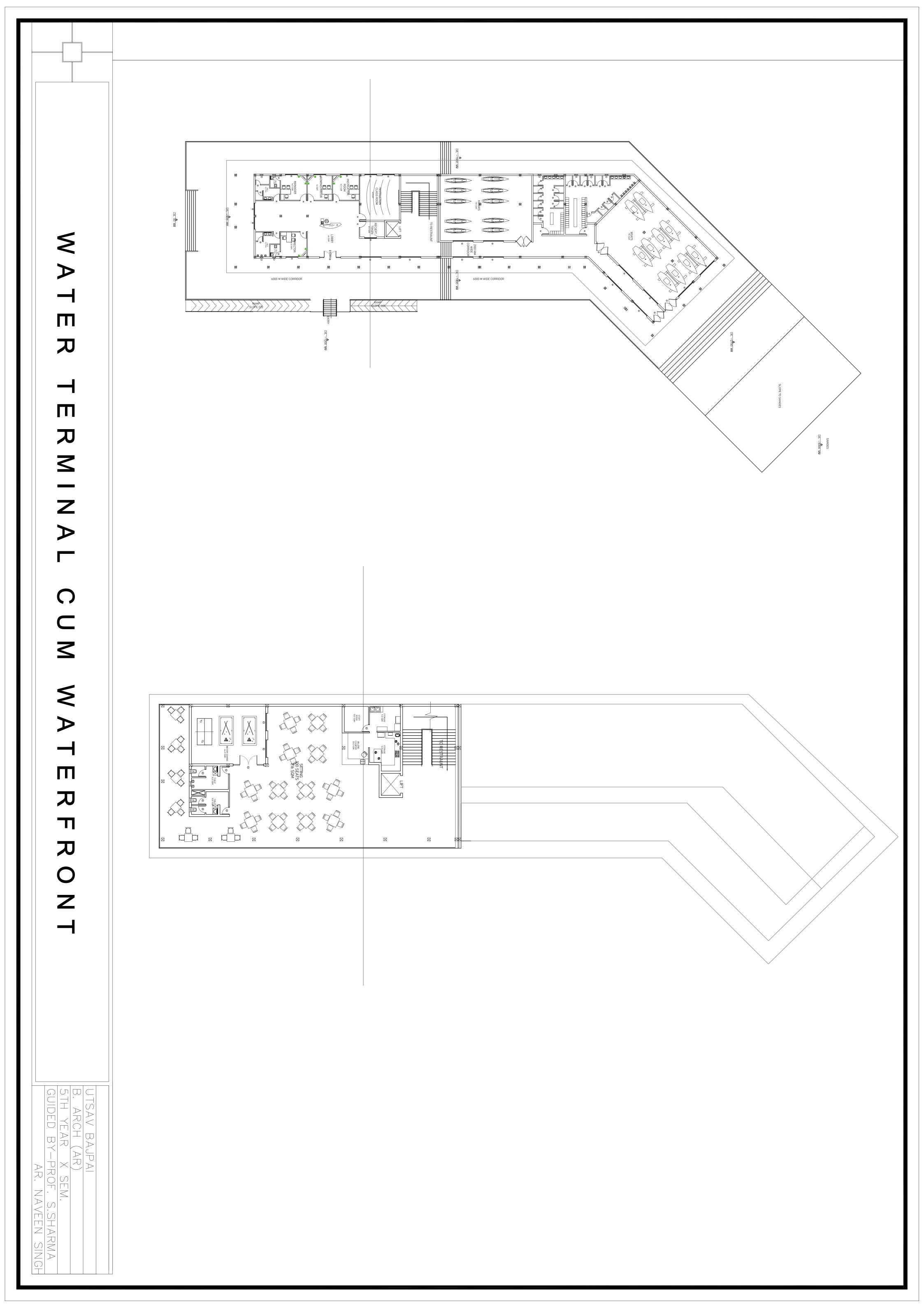
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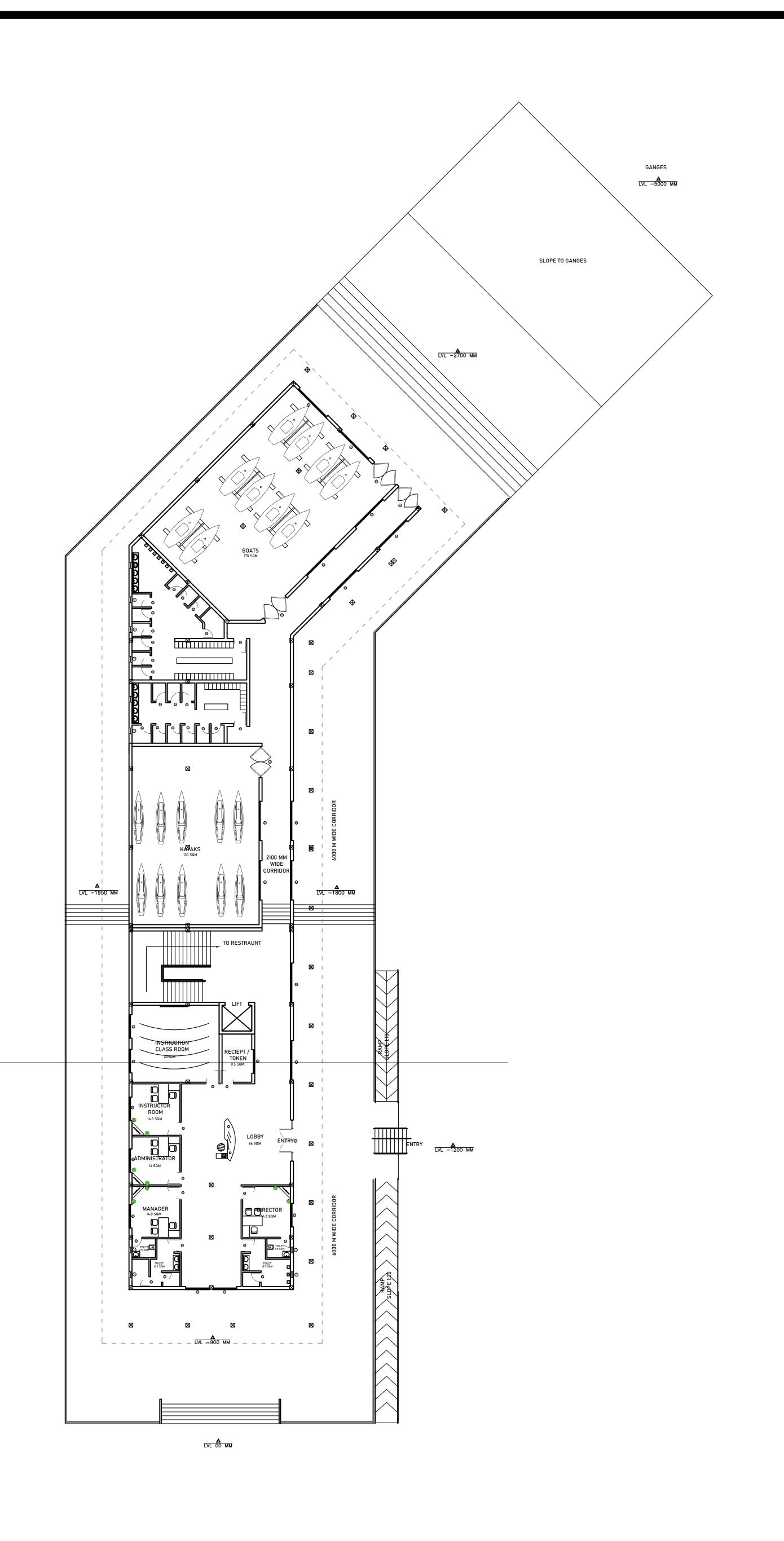
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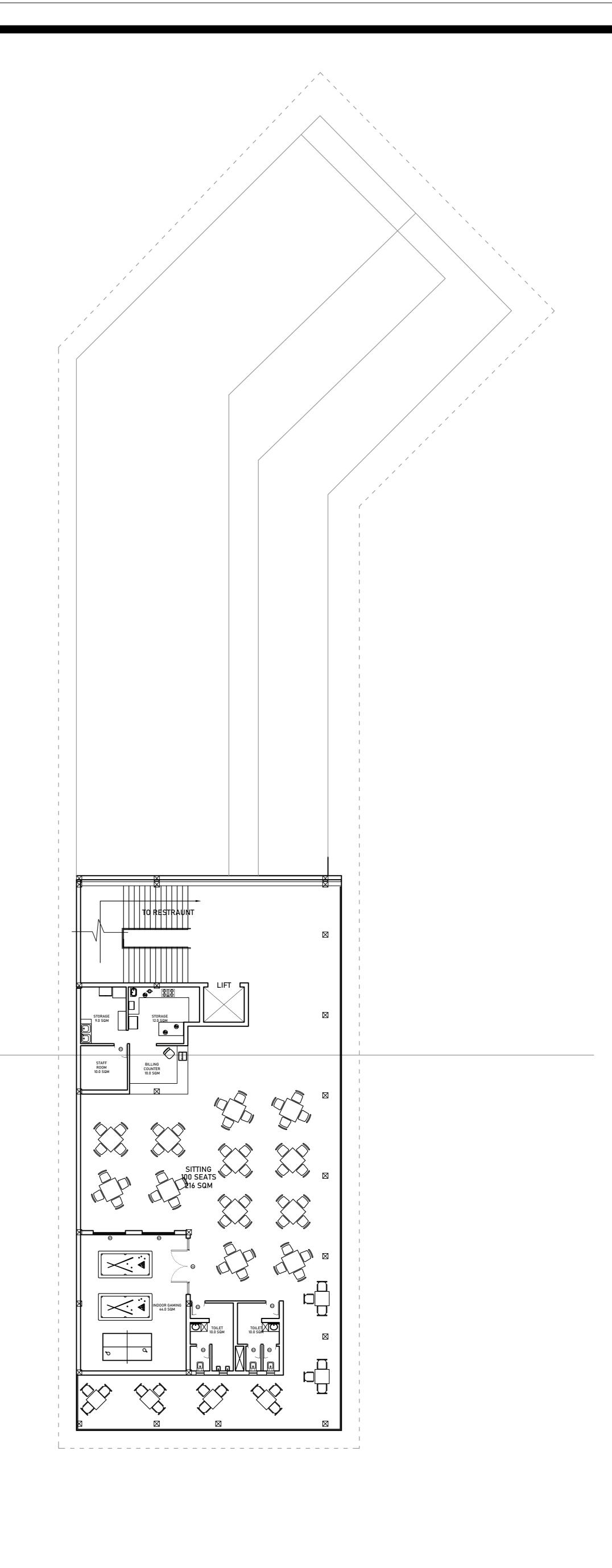








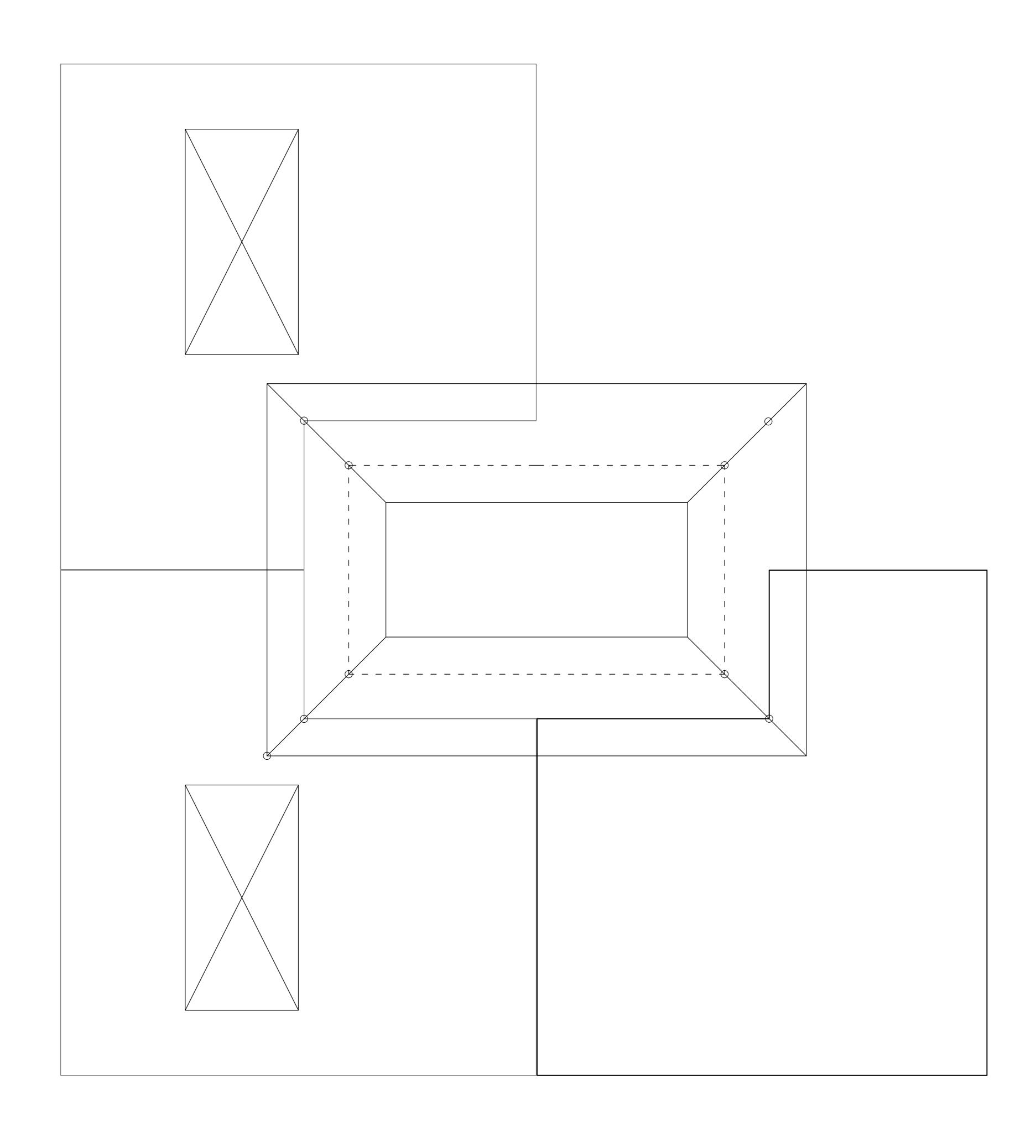


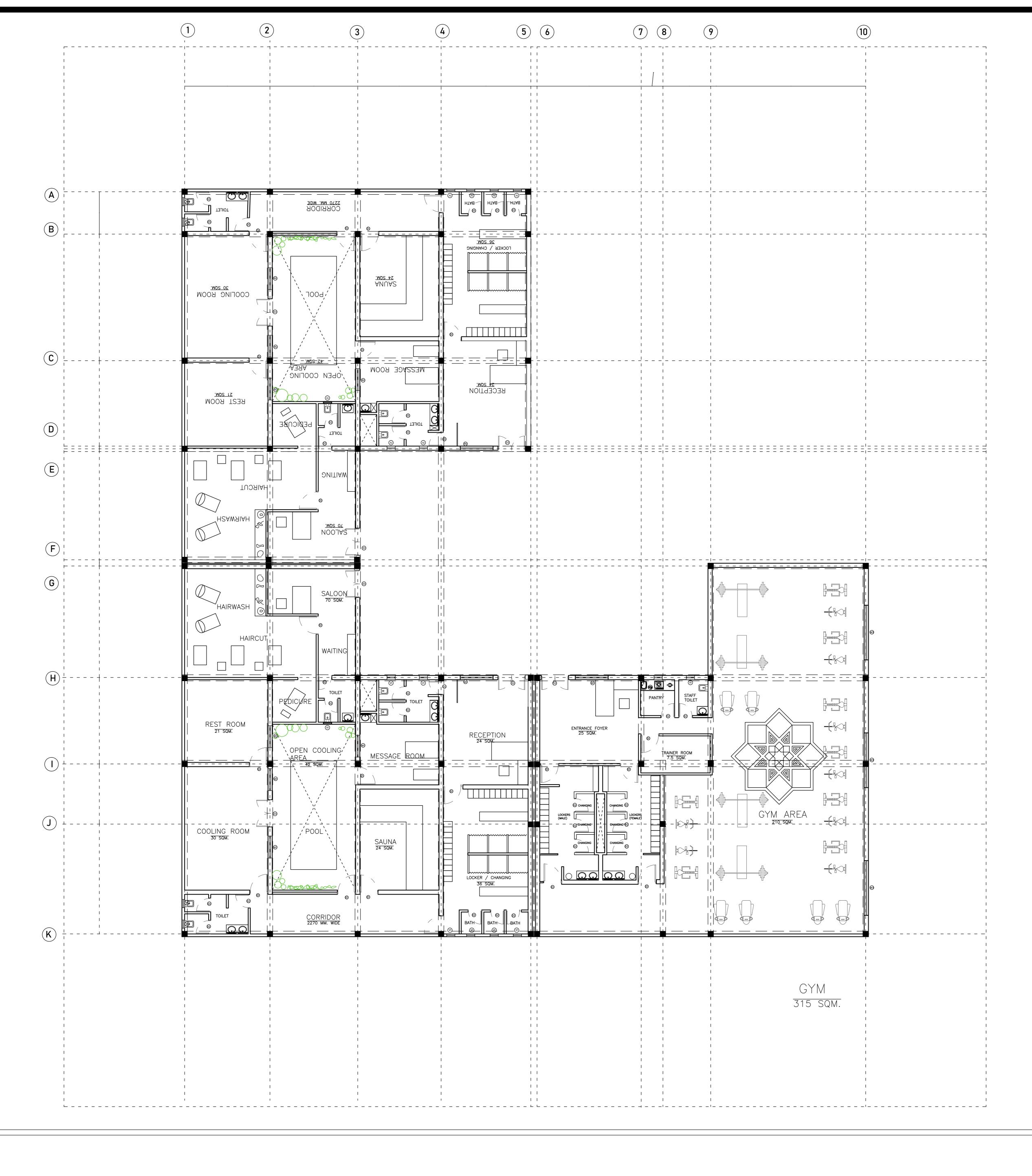


GUIDED BY-PROF. S.SHARMA

AR. NAVEEN SINGH







UTSAV BAJPAI

B. ARCH (AR)

5TH YEAR X SEM.

GUIDED BY-PROF. S.SHARMA

