



THESIS REPORT ON

“RESORT, GOA“

A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
DEGREE OF:

BACHELOR OF ARCHITECTURE

BY

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THESIS GUIDE

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TO THE

SCHOOL OF ARCHITECTURE AND PLANNING

BABU BANARASI DAS UNIVERSITY

LUCKNOW.

**SCHOOL OF ARCHITECTURE AND PLANNING
BABU BANARASI DAS UNIVERSITY, LUCKNOW (U.P.).**

CERTIFICATE

I hereby recommend that the thesis entitled “**RESORT, GOA**” under the supervision , is the bonafide work of the students and can be accepted as partial fulfillment of the requirement for the degree of Bachelor’s degree in architecture, school of Architecture and Planning, BBDU, Lucknow.

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Not Accepted

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Certificate of thesis submission for evaluation

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ABOUT THE PROJECT

INTRODUCTION

RESORT

A **resort** is a self-contained commercial establishment that tries to provide most of a vacationer's wants, such as food, drink, lodging, sports, entertainment, and shopping, on the premises. The term *resort* may be used for a hotel property that provides an array of amenities, typically including entertainment and recreational activities. A hotel is frequently a central feature of a resort. Some resorts are also condominium complexes that are timeshares or owed fractionally or wholly owned condominium. A resort is not always a commercial establishment operated by a single company, but in the late 20th century, that sort of facility became more common.

In British English, "resort" means a town which people visit for holidays and days out which usually contains hotels at which such holidaymakers stay.

The **tourist activities** associated with the resort will determine what type of resort it is & the location of the resort will also determine what type it is. People can expect world-class service, high class entertainment, fun-filled activities, and a variety of delectable foods and drinks and more. As a self-contained establishment, a Beach Resort provides for most of a vacationer's needs while remaining on the premises (lodging, food, drink, sports, entertainment, shopping, etc).



Here are the different types of resorts-

1. **Luxury Resort-** A luxury resort is one that provides luxurious offerings to its guests. The prices are many times out of reach for ordinary people.

2. **Spa Resort-** The spa experience is can be viewed as part of a luxury package. The spa amenities found in such resorts are usually high end.
3. **Beach Resort-** This seaside establishment offers lodging facilities as well as full access to its own private beach.
4. **Golf Resort-** These types of the resort, offer access to world-class golf courses for patrons to enjoy rounds of golf throughout their stay at the resort.
5. **Island Resort-** Island resorts are usually situated within tropical islands, and they afford you the luxury, complete seclusion.
6. **Lake Resort-** A lakeside resort is a resort by a lake. A resort that is lakeside normally offers water activities utilizing the lake such as kayaking, paddling, canoeing, and fishing.
7. **Mountain Resort-** A mountain resort is a place to holiday or vacation located in a mountainous area and offer activities such as mountain biking, mountain boarding, and hiking
8. **Ski Resort-** A ski resort is a resort developed for skiing, snowboarding, and other winter sports at mountain.

BEACH RESORT

A Beach Resort is a full service holiday lodging facility, located at the seaside, with access to a private beach. The beach being the primary focus for tourists. A Beach Resort offers a wide range of services and amenities and typically includes entertainment and recreational activities.

The benefits to go at Beach Resort are that the guest finds not only the proximity to the beach but also an all-around service within the premises. It is convenient for families, offering kids-club, evening entertaining program, shopping etc. In cases the Resort is located far away from the city, the Resort provides all the infrastructure needed (it is a 'village' itself). Often a Beach Resort is used as a wedding location (with a beach setting ceremony, wedding planner on side, a photographer, a hairdresser and a beauty salon etc.)

This report is made on **Proposed Beach Resort at Goa** for Thesis Project, showing all related research works, data and proposed architectural design of Resort.



SITE INFORMATION.

LOCATION: 1 Zalor Beach Road Carmona, Far-
trade, Varca, Goa 403721

(15.205484723193328, 73.93588136820492)

AREA: 37963.43 SQ.M

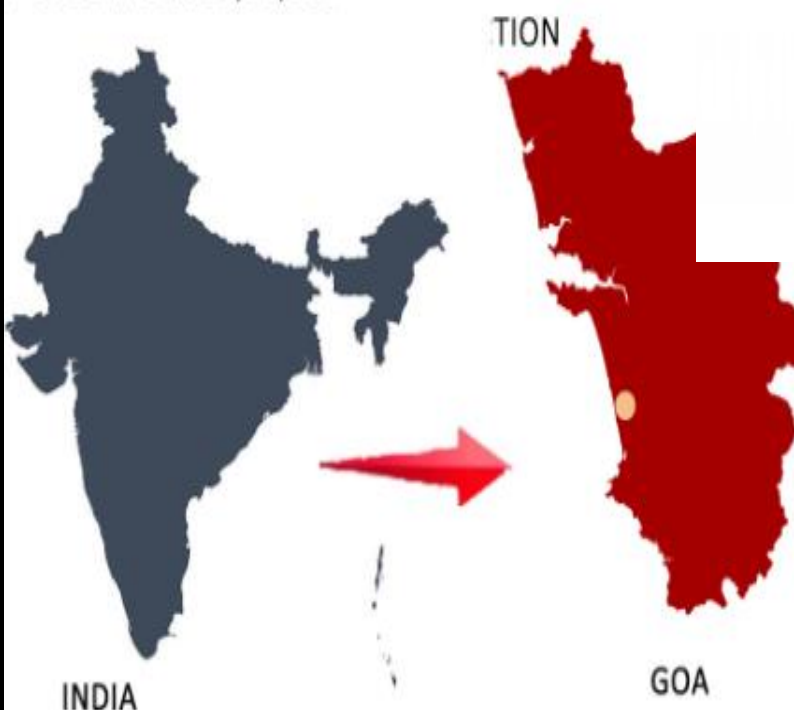
PERIMETER: 947.51 M

ACRE: 9.3 ACRE

HECTOR: 3.79HA

GUNTA: 379.6 GUNTA

POPULATION: 14,58,585



Soil Conditions

- * Mostly Goa's soil cover is made up of Laterites rich in ferric- Aluminum oxides And reddish in color .
- * Further inland and along the river banks ,The soil is mostly alluvial and loamy .

Topography

- * Site is plane with minor slope toward beach. There is no ups and down of level.
- * Covered with Grass and loamy sand.
- * Numbers of trees are there. No site

CLIMATE

- * Goa has hot and humid climate for most of the year .
- Average Temperature is 35 ° C (95 ° F)
- * Average annual rainfall is 2900mm .
- * Wind flow from south- east to north west .

SWOT ANALYSIS

- Natural beauty for picturesque architectural backdrop
- Cultural heritage integration opportunities
- Potential for sustainable design practices

STRENGTH

- Regulatory restrictions on design freedom
- Seasonal fluctuations affecting project viability

WEAKNESS

- Unique design potential in beach setting
- Collaboration with local artisans for cultural authenticity
- Wellness and retreat space creation opportunities

OPPORTUNITIES

- Natural disaster risks
- Changing tourism trends impacting demand

THREATS

LANDMARK NEAR CARMONA BEACH

San Thome Museum :-	4.6 KM
Goa Chitra Museum :-	8.2 KM
Big Foot Goa :-	18.9KM
VELSAO Beach :-	20.6 KM
Cabo de Rama Fort :-	21.9KM
Pandava Caves :-	12.1 KM



San Thome Museum



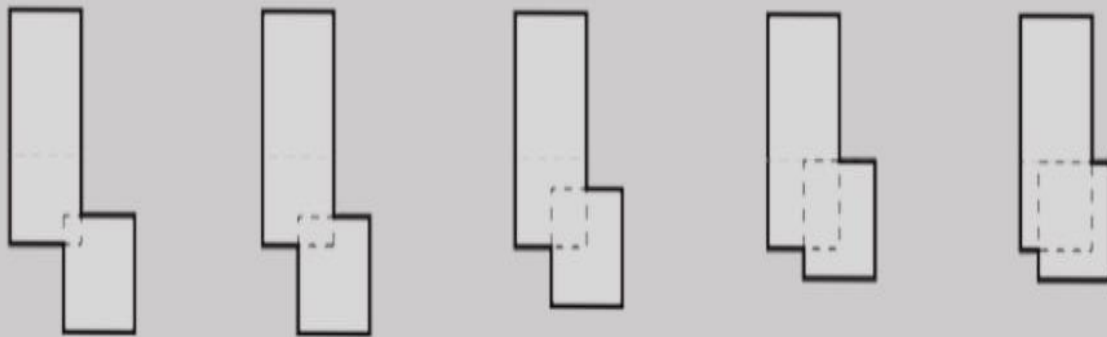
Goa chitra Museum



SITE IMAGES



SITE WITH SEA VIEW



Creating a scattered block for thesis planning involves utilizing grid-based and 3D modeling techniques while incorporating passive building strategies. This approach integrates the organization of information or tasks in a non-linear manner within a grid structure, along with visualizing the project in a three-dimensional space. By considering passive techniques for building design, such as natural lighting, ventilation, and insulation, you aim to enhance the sustainability and energy efficiency of the final architectural outcome.

ACCESSIBILITY TO THE SITE



Railway station

:- 10.3 KM

Bus Stand, Edapally

:- 11.3 KM

Airport

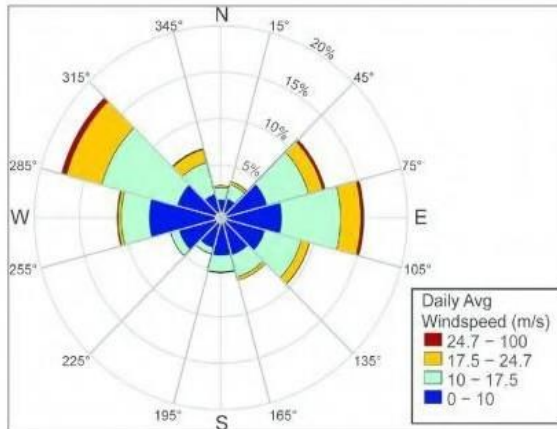
:- 29.9 KM

CLIMATIC ASPECTS & SURROUNDING FEATURES

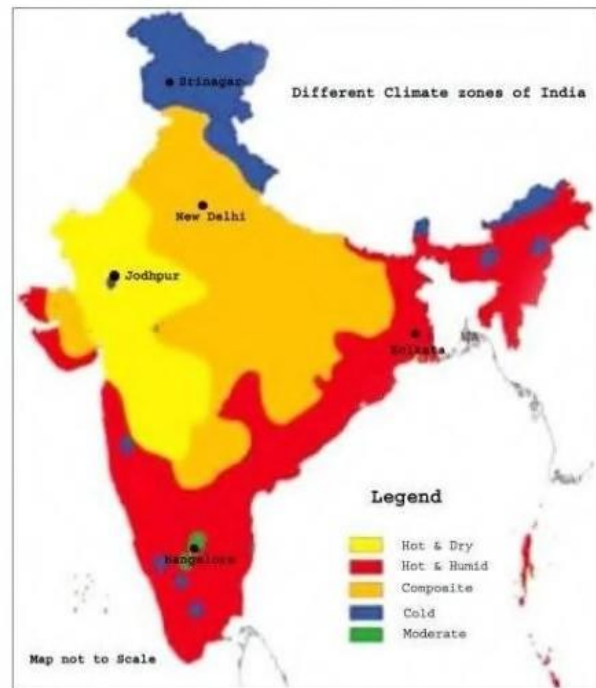
CLIMATE

Goa has hot and humid climate for most of the year.

- * Average Temperature is 35^o C (95^o F)
- * Average annual rainfall is 2900mm.
- * Wind flow from south-east to north-west.



WIND ROSE DIAGRAM



DIFFERENT CLIMATE ZONES OF INDIA

Climate data for Goa													[hide]
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Average high °C (°F)	31.6 (88.9)	31.5 (88.7)	32.0 (89.6)	33.0 (91.4)	33.0 (91.4)	30.3 (86.5)	28.9 (84.0)	28.8 (83.8)	29.5 (85.1)	31.6 (88.9)	32.8 (91.0)	32.4 (90.3)	31.3 (88.3)
Daily mean °C (°F)	26.0 (78.8)	26.3 (79.3)	27.7 (81.9)	29.3 (84.7)	30.0 (86.0)	27.6 (81.7)	26.7 (80.1)	26.4 (79.5)	26.9 (80.4)	27.9 (82.2)	27.6 (81.7)	26.6 (79.9)	27.4 (81.4)
Average low °C (°F)	19.6 (67.3)	20.5 (68.9)	23.2 (73.8)	25.6 (78.1)	26.3 (79.3)	24.7 (76.5)	24.1 (75.4)	24.0 (75.2)	23.8 (74.8)	23.8 (74.8)	22.3 (72.1)	20.6 (69.1)	23.2 (73.8)
Average precipitation mm (inches)	0.2 (0.01)	0.1 (0.00)	1.2 (0.05)	11.8 (0.46)	112.7 (4.44)	868.2 (34.18)	994.8 (39.17)	512.7 (20.19)	251.9 (9.92)	124.8 (4.91)	30.9 (1.22)	16.7 (0.66)	2,926 (115.2)
Average precipitation days	0.0	0.0	0.1	0.8	4.2	21.9	27.2	13.3	13.5	6.2	2.5	0.4	90.1
Mean monthly sunshine hours	313.1	293.8	291.4	288.0	297.6	126.0	105.4	120.9	177.0	248.0	273.0	300.7	2,834.9

ANNUAL CLIMATE DATA OF GOA

B. FLORA & FAUNA

- * Equatorial forest cover in Goa stands at 1424KM².
- * Goa is known for its coconut cultivation.
- * Rice is the main food crop
- * Goa's state animal is the Gaur, the state bird is the Ruby Throated (Yellow Bulbul), which is a variation of Black-crested Bulbul, and the state tree is the Matti (Asna).
- * Crab, lobster, shrimp, jellyfish, oysters and catfish are the basis of the marine fishery
- * Goa also has a high snake population.



ABOUT STATE & SUB-DIVISION



• Country	India
• Formation of state	30 May 1987
• Capital	Panaji (Panjim)
• Largest city	Vasco da Gama
• Districts	2
GOVERNMENT	
• Body	Government of Goa
• Governor	Satya Pal Malik
• Chief Minister	Pramod Sawant (BJP)
• Legislature	Unicameral (40 seats)
• Parliamentary constituency	Rajya Sabha 1 Lok Sabha 2
• High Court	Bombay High Court, Goa Bench
AREA	
• Total	3,702 km ²
Area rank	29th
POPULATION (2011)	
• Total	1,458,545
• Rank	26th
• Demonym(s)	Goan, Goenkār
• Time zone	UTC+05:30 (IST)
• ISO 3166 code	IN-GA
• HDI (2018)	Increase 0.764 (high)
• Literacy	88.70% (3rd)
• Official language	Konkani
Website	www.goa.gov.in



A. About State

Goa is India's smallest state by area and the fourth-smallest by population. It is visited by large numbers of international and domestic tourists each year for its white sand beaches, nightlife, places of worship and World Heritage-listed architecture.

B. Sub-Division

- The state is divided into two districts: North Goa and South Goa.
- Each district is administered by a district collector, appointed by the Indian government.
- **North Goa** further divided into three subdivisions- Panaji, Mapusa and Bicholim; and five talukas (subdistricts) – Tiswadi/Ilhas de Goa (Panaji), Bardez (Mapusa), Pernem, Bicholim, and Sattari (Valpoi).
- **South Goa** is further divided into five subdivisions – Ponda, Mormugao-Vasco, Margao, Quepem and Dharbandora; and seven talukas- Ponda, Mormuago, Salcete (Margao), Quepem and Canacona (Chaudi), Sanguem, and Dharbandora. (Ponda taluka was shifted from North Goa to South Goa in January 2015).

GEOGRAPHY & DEMOGRAPHY

A. Geography Aspects

- * GOA area = 3,702 km².
- * It lies between the latitudes 14°53'54" N and 15°40'00" N and longitudes 73°40'33" E and 74°20'13" E.
- * Goa is a part of the coastal country known as the Konkan, which is an escarpment rising up to the Western Ghats range of mountains, which separate it from the Deccan Plateau.
- * Goa has a coastline of 160 km.
- * Goa's seven major rivers are the Zuari, Mandovi, Terekhol, Chapora, Galgibag, Kumbarjua canal, Talpona and the Sal.

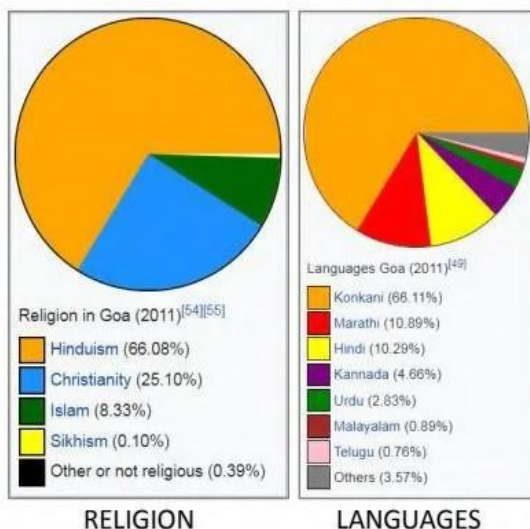


B. Demography Aspects

i. POPULATION:-

- * Goa has a population of 1.459 million residents as of 2011.
- * The population has a growth rate of 8.23% per decade
- * The sex ratio is 973 females to 1,000 males.
- * The birth rate is 15.70 per 1,000 people in 2007

Population growth [hide]		
Census	Pop.	%±
1951	547,000	—
1961	590,000	7.9%
1971	795,000	34.7%
1981	1,008,000	26.8%
1991	1,170,000	16.1%
2001	1,347,668	15.2%
2011	1,458,545	8.2%



ii. RELIGION:-

- * According to the 2011 census, in a population of 1,458,545 people, 66.1% were Hindu, 25.1% were Christian, 8.3% were Muslim and 0.1% were Sikh.
- * The population moved from 64.5% Christian and 35% Hindu in 1851 to 50% Christian and 50% Hindu in 1900.

iii. LANGUAGES:-

- * Konkani is spoken as a native language by about 66.11% of the people.
- * Marathi may also be used "for all or any of the official Purposes.

iv. ECONOMY:-

- * Goa is India's richest state with the Highest GDP per capita- two and half times that of the country.
- * Tourism is Goa's primary industry: it gets 12% of foreign tourist arrivals in India
- * Goa's state domestic product for 2017 is estimated at \$11 billion at current prices.

Gross State Domestic Product (in millions of Rupees) ^[39]	
Year	GSDP
1980	3,980
1985	6,550
1990	12,570
1995	33,190
2000	76,980
2010	150,000

v. TOURISM:-

- * In 2010, there were more than 2 million tourists reported to have visited Goa, about 1.2 million of whom were from abroad.
- * As of 2013, Goa was a destination of choice for Indian and foreign tourists, particularly Britons and Russians
- * One of the biggest tourist attractions in Goa is water sports. Beaches like Baga and Calangute offer jet-skiing, parasailing, banana boat rides, water scooter rides, etc.

Year	Total Arrivals	% Change
1985	775,212	—
1990	881,323	▲ 13.3
1995	1,107,705	▲ 23.7
2000	1,268,513	▲ 13.8
2005	2,302,146	▲ 66.3
2010	2,644,805	▲ 13.9
2015	5,297,902	▲ 76.4



TRANSPORTATION:-

- * Air- Dabolim Goa International Airport.
- * Road- Government run buses link major route (like the Panaji-Margao route). The Corporation owns 15 bus stands, 4 depots. Hired forms of transport include unmetered taxis, auto rickshaws and motorcycles operated by pilots.
- * Rail- Goa has Margaon Railway Station with two rail lines- one run by the South Western Railway and the other by the Konkan Railway.

7.7 ARCHITECTURE & HISTORIC SITES

A. ARCHITECTURE:-

- * The architecture of Goan Catholic has strong Portuguese, Mughal and Indian influences. It developed over the long colonial Portuguese India era (1500s-1961).
- * Temple architecture is an amalgam of original Goan temple style with Dravidian, Hemadpanthi, Islamic, and Portuguese architecture.

SALIGAO CHURCH



THE BOM JESUS BASILICA



I. HISTORIC SITES AND NEIGHBOURHOODS:-

- * Goa has two World Heritage Sites:
 1. The Bom Jesus Basilica- It holds the mortal remains of St. Francis Xavier, regarded by many Catholics as the patron saint of Goa.
 2. Churches and convents of Old Goa- These are both Portuguese-era monuments and reflect a strong European character.

AGUADA FORT



II. FORTS:-

1. Aguada Fort- Built in 1612, it is well-preserved structure overlooking the Arabian Sea, the lighthouse is the highlight of destination.
2. Corjuem Fort- Built in 1705, Known to be built as a military fortress for the defence of Portuguese, very famous owing to its unique location.

CASE STUDIES

CASE STUDY 1 - HOLIDAY INN RESORT, GOA.

CASE STUDY 2 - TAJ EXOTICA RESORT, GOA.

HOLIDAY INN RESORT, GOA

Location:- Survey No. – 101/3 at Mobor Beach, Cavelossim, Salcete, Goa-403731.



Holiday Inn Resort, Goa. Is presented by "IHG", It was Born in 1970, provide modern hotels and resorts which are rooted in extraordinary living with a legacy of luxury.



About Resort:- **Holiday Inn Resort** is a 5 star Resort offers stunning views from the rooms and suits. It has Meeting area, play area, spa, outdoor pools and fitness center. Kids stay and eat free there. Holiday Inn Resort has large banquet hall for wedding ceremony.

A. Resort Conectivity



INDIA MAP
INDIA is seventh-largest Country in South Asia.



GOA MAP
Goa is a state in India.
It is India's pocket-sized paradise.



CAVELOSSIM MAP
Cavelossim is a village in South Goa district in the state of Goa.

Holiday Inn Resort situated at mobar beach with cavelossim main road 43.

Road connectivity

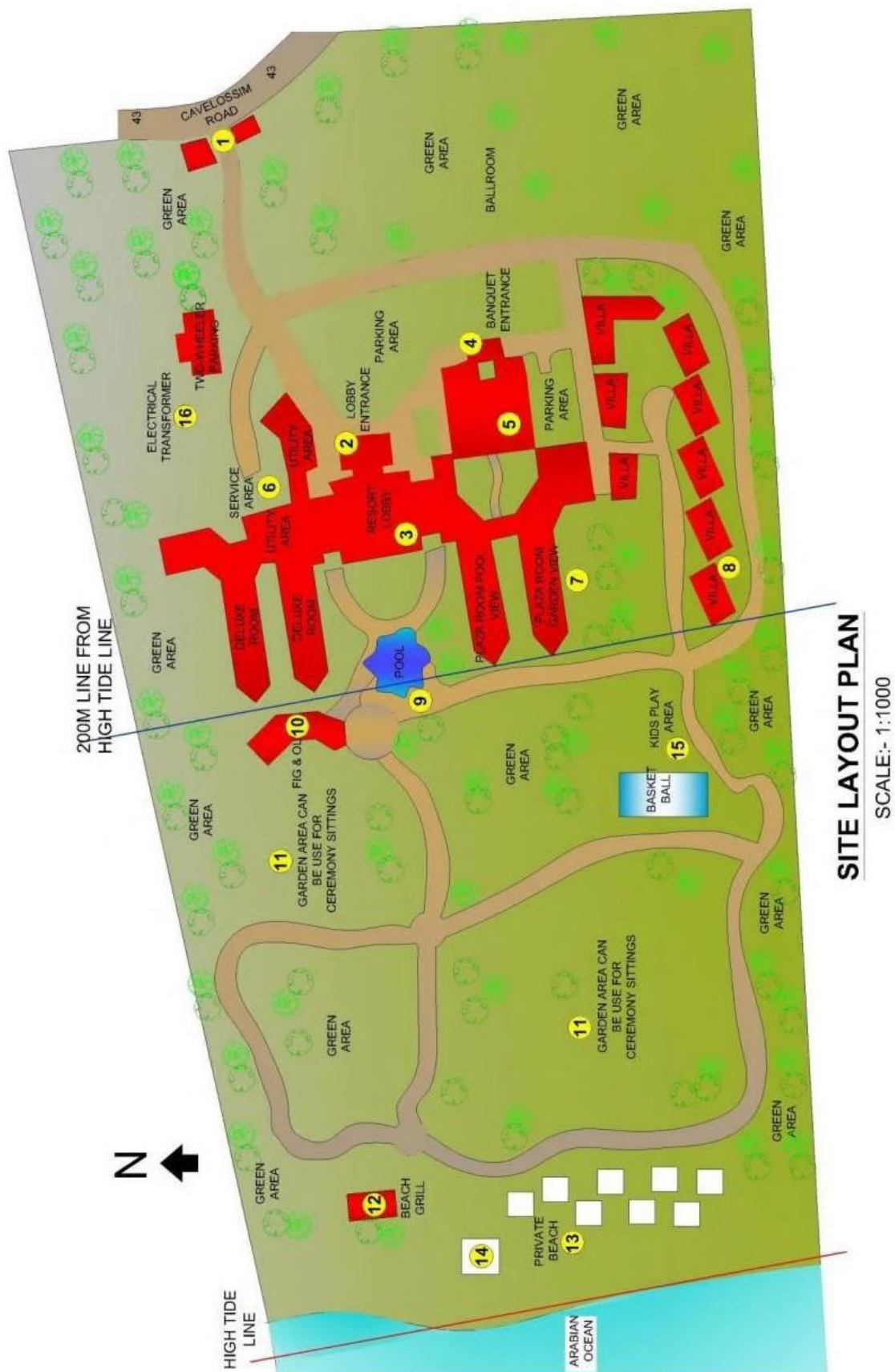
- * Resort situated with cavelossim road 43, Goa.
- * Right to 'The Leela Resort' Goa.
- * 37km far away from the Dabolim International Airport, Goa.
- * 17km far away from the Margao Railway Station, Goa.
- * 10km far away from the Cavelossim Market.
- * 633km far away from Film City "Mumbai".
- * 1896km far away from National Capital "Delhi".



What makes it special??

- * It is built along with Arabian Sea and provide a great view of sunset with pleasant sound of Beach shore.
- * Perfect wedding destination.

B. Site Plan and Specification





1. Main Gate



2. Lobby Entrance



3. Lobby Area(350M²)



4. Banquet Entrance



5. Ballroom(470M²)



6. Utility Area & Entrance



7. Plaza Rooms



8. Villas



9. Pool Area



10. Fig & Olive



11. Outside Function



12. Beach Grill



13. Private Beach



12. Private Beach Dining

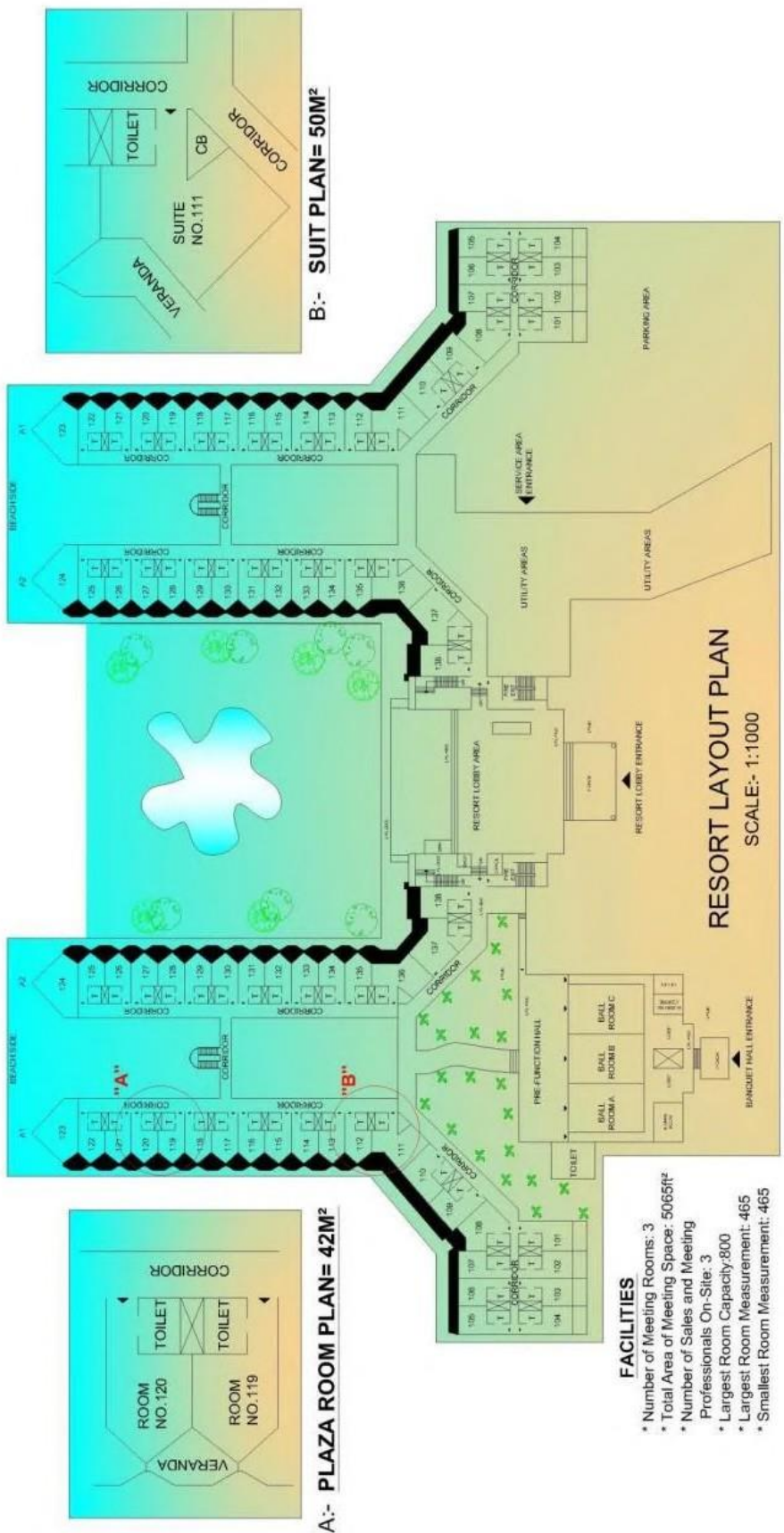


12. Kids Play Area



13. Transformer

C. RESORT LAYOUT PLAN



D. ACCOMMODATION

Holiday Inn Resort offers vast choice of accommodation:-

- * Plaza Rooms with choice of Pool & Garden view
- * Deluxe Rooms & Luxury Rooms
- * Villas & Suites

No. of Total Rooms = 205

(117 Double beds or 88 Twin Beds)

- * Plaza Pool / Garden View Rooms = 103
- * Villas = 43
- * Deluxe Rooms = 52
- * Garden Suites = 04
- * Sunset Suites = 02
- * Kids Suits = 01



1. PLAZA POOL VIEW ROOM:-

- * Standard room with pool view, featuring twin or double beds.
- * Centrally Air-conditioned
- * Well-appointed work desk
- * Seating, tea/coffee maker
- * Bathroom with bath tub, wardrobe.



2. PLAZA GARDEN VIEW ROOM:-

- * Standard room with garden view, featuring twin or double beds.
- * Centrally Air-conditioned
- * Well appointed work desk
- * Seating, tea/coffee maker
- * Bathroom with bath tub, wardrobe.

3. DELUXE ROOMS:-

- * Deluxe room with both pool and garden view, featuring with large double beds.
- * Centrally Air-conditioned
- * Well seating arrangement
- * Tea/coffee maker, dining table
- * Bathroom with bath tub, wardrobe



4. GARDEN SUITS/VILLA:-

- * Standard room with pool view, featuring twin or double beds.
- * Centrally Air-conditioned
- * Well-appointed work desk
- * Seating, tea/coffee maker
- * Bathroom with bath tub

5. SUNSET SUITS:-

- * Standard room with double bed offers sunset view
- * Centrally Air-conditioned
- * Seating/Tea/coffee maker, Dining-table
- * Bathroom with bath tub, wardrobe.



E. AMENITIES & FACILITIES



1. SPA:-

- * Steam, Sauna and Masseuse
- * Ayurvedic Treatments.
- * Facials, body wrap & scrub.



2. GYMNASIUM:-

- * Rower, Stair stepper
- * Elliptical Machines, Free weights
- * Stationary Bicycle



3. MEETING ROOM:-

- * To conduct productive Meeting, seminars and events like MICE.
- * 800 people can seat at a time.
- * Centrally Air-conditioned



4. BALLROOM:-

- * Built in 5065sft., It can be Partitioned into 3 large sound proof ballroom with separate grand Entrances.



5. OUTDOOR POOL:-

- * Centrally built in Inorganic shape
- * Pool has direct Sea View
- * Surrounded by Pathways



6. PRIVATE DINING

- * Situated at Beach
- * People can enjoy sea view with provide dining facilities.

F. FINE DINING & RESTAURANTS



1. CAFE' MARDI GRAS

- * Coffee shop open 24*7
- * Both indoor and outdoor Dining with super sea view during day and under the stars in night.



2. Fig & Olive:-

- * Mediterranean Restaurant open 24*7 with variety of pizza pasta, seafood, chicken shawarma and Turkish Kofte.



3. BEACH GRILL

- * European and Goan style veg and Non-veg food
- * Situated at the Beach

TAJ EXOTICA RESORT & SPA, GOA

Location:- Survey No. – 341 at Calwaddo, Benaulim, Salcete, Goa-403716.



Taj- The hallmark of iconic hospitality is presented by "IHCL", Incorporated in 1899. IHCL is South Asia's largest hospitality focused enterprises with true Indian origins. IHCL founded its first hotel The Taj Mahal Palace Mumbai in 1903.



About Resort:- **Taj Exotica Resort & Spa** is a five-stars Resort sprawls over 56 acres of lush greenery offers stunning views from the large deluxe and luxury suites, and villa rooms. It has Ballroom, play area, spa, outdoor pools and golf course, built with 800m long beach frontage.

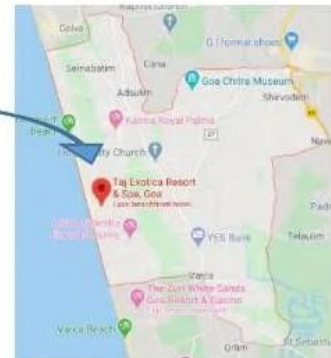
A. Resort Conectivity



INDIA MAP
INDIA is seventh-largest Country in South Asia.



GOA MAP
Goa is a state in India.
It is India's pocket-sized paradise.



BENAULIM MAP
Benaulim is a village in South Goa district in the state of Goa.

Taj Exotica Resort situated at calwaddo along main road 37.

Road connectivity

- * Resort situated with benaulim road 37.
- * Right to 'The Zuri White Sand Goa Resort'.
- * 27km from the Dabolim International Airport.
- * 7km from the Margao Railway Station
- * 5km from the benaulim Market
- * 623km from Film City "Mumbai"
- * 1886km from National Capital "Delhi".



What makes it special??

- * It is built along with Arabian Sea provide 800m long frontage with pleasant sound of Beach shore. Suitable for wedding destination

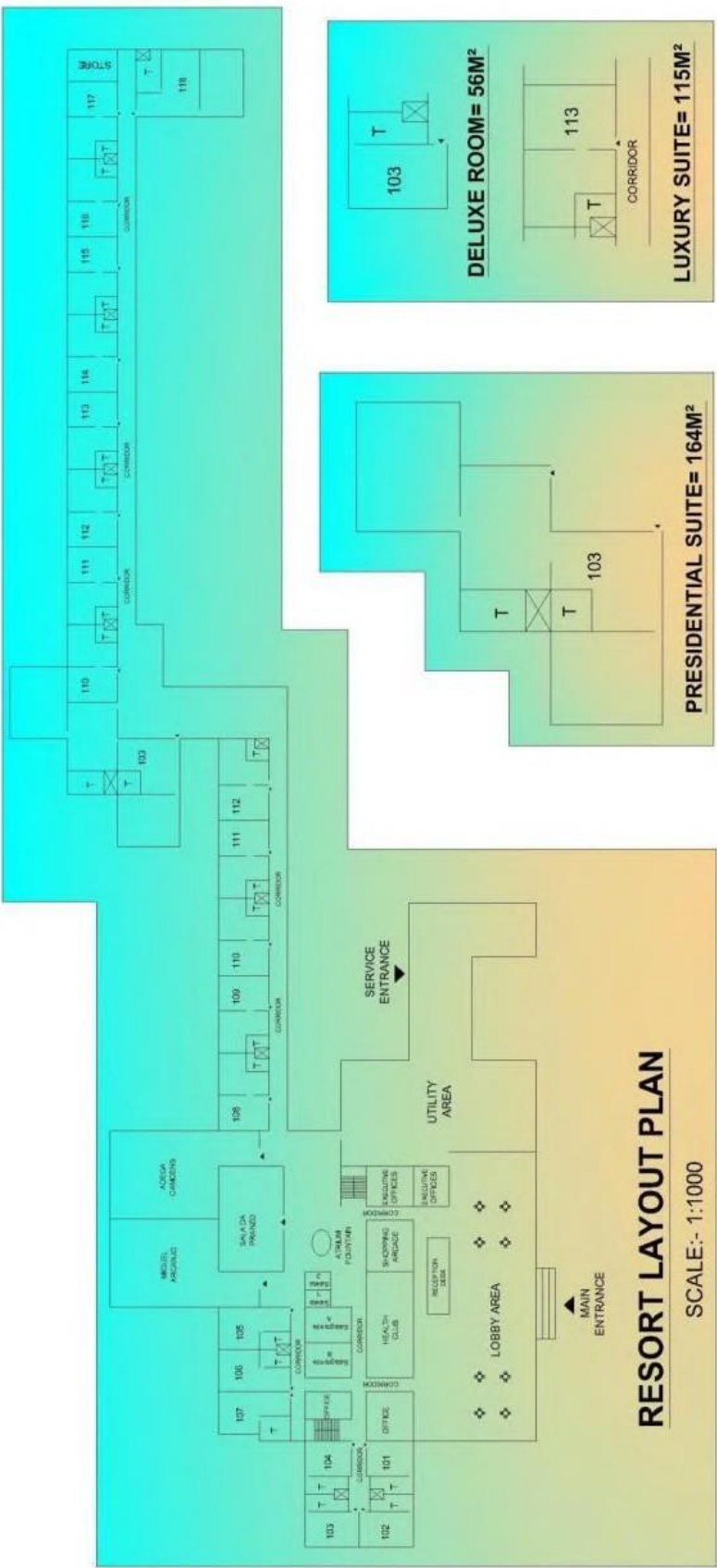
B. Site Plan and Specification



SITE LAYOUT PLAN

SCALE:- 1:1000

C. RESORT LAYOUT PLAN



D. ACCOMMODATION

Taj Exotica Resort offers vast choice of accommodation:-

- * Deluxe Rooms & Luxury Rooms
- * Executive Rooms & Presidential Room
- * Villa & Premium Rooms

No. of Total Rooms	= 154
* Presidential Room	= 02
* Luxury Suite	= 04
* Junior Suite	= 01
* Executive Suite	= 04
* Deluxe/Premium Room	= 33
* Villa Garden Room	= 100
* Indulgence Villa Room	= 10



1. LUXURY SUITE:-

* Built in 115M², located in main building, is a grand one-bedroom suite with a separate living room. This sea-facing suite has one bathroom & one wash room. The room can be interconnected to a Deluxe Sea-view Room if needed.



2. PRESIDENTIAL VILLA WITH PLUNGE POOL:-

* Built in 164M², with its personal plunge pool and garden, is the epitome of the good life. With two plush bedrooms each with en-suite bathrooms & a spacious living room.

3. VILLA ROOM GARDEN VIEW:-

* Built in 56M², Provide the lush landscaped gardens overlook by rooms, featuring twin or double beds.
* Each room within a four-room villa is spacious and has either a private balcony or verandah.



4. DELUXE ROOM SEA VIEW:-

* Built in 56M², Provide cosy or comfortable retreats with sea view, featuring twin or double beds.
* The verandahs offer stunning views of the surroundings and the bathrooms have luxuriant bathtubs with individual shower cubicles.

5. EXECUTIVE SUITE:-

* Built in 110M², It has one bedroom suite with a living room towards the end of the main building. This partial sea-facing suite has one bathroom and one washroom.



6. PREMIUM VILLA ROOM GARDEN & SEA VIEW:-

* Built in 56M², Spacious room are in a four-room villa with garden view and each has a private balcony or sitout.

E. AMENITIES & FACILITIES



1. Jiva SPA:-

- * Offer Signature experiences, Indian therapies, spa indulgence.
- * Ayurvedic/Aroma Therapies.
- * Facials, body wrap & scrub.
- * Yoga & Meditations.



2. Meeting Room:-

- * To conduct productive Meeting, seminars and events like MICE.
- * 40 people can seat at a time.
- * Centrally Air-conditioned.



3. BALLROOM:-

- * Built in 4600sft., Majestic pillarless ballroom with a high ceiling ideal for destination wedding and meetings purposes. 400 people can seat at a time.

F. FINE DINING & RESTAURANTS



1. MIGUEL ARCANJO

* This fine dining restaurant is your stop for a meal. Savour a finely curated Goan menu that truly brings out the full local flavour.



2. MORISCO:-

* This elegant grill serves fresh seafood, the tiger prawns and Lobsters.



3. FIESTRO EVENT:-

* Mediterranean Restaurant open 24*7 with variety of pizza pasta, seafood, chicken shawarma and Turkish Kofte.



3. SALA DA PRANZO

* Journey the world on your plate at this all day diner which serves cuisines from around the world.

LITERATURE STUDY

STUDY 1 – GRAND PARK RESORT, MALDIVES.

GRAND PARK RESORT, MALDIVES

Location:- Kodhipparu, North Male, Maldives, Arabian Sea-08121.



Grand Park Resort is presented by "Park Hotel Group" Incorporated in 1961. The lowest lying nation in the world, Maldives' average ground level is only at 1.5 meters.



About Resort:- **Grand Park Resort**, A luxurious one-island-one-resort destination featuring a collection of 120 idyllic beach-front pool villas. Embark on a 360 degree barefoot island adventure and delight in delectable cuisine at any of our 3 restaurants & bars or simply take in the splendor of the vast azure sea, home to a variety of colorful and exotic marine life.

A. Resort Connectivity



ARABIAN SEA MAP

Maldives, is a small island nation in South Asia, located in the Arabian Sea of the Indian Ocean.



MALDIVES MAP

Male, capital of the Maldives is geographically located at the southern end of North Narizlandia.



NORTH MALE MAP

Kodhipparu is a island at north male.

Grand Park Resort situated at Kodhipparu Island, north male atoll.

Resort connectivity

- * Resort situated at kodhiparru island.
- * 7.4km away from 'Centara Ras Fushi Resort & Spa'.
- * 18.3km from Velana International Airport.
- * 106 km from Villa Airport Maamigili.
- * 1656km from Chhatrapati Shivaji Airport.
- * 2734km from IGI Airport, New Delhi.



What makes it special??

- * It is built on Kodhiparu Island.
- * Featuring one-island-one-resort destination.
- * Embark on a 360 degree barefoot island Adventure.
- * 120 idyllic beach-front pool villas.

B. Site Plan and Specification



C. RESORT LAYOUT PLAN



**LAGOON WATER
VILLA = 80M²**



GRAND RESIDENCE = 210M²



**OCEAN POOL WATER
VILLA = 93M²**



BEACH POOL VILLA = 78M²



BATHROOM = 20M²



BATHROOM = 18M²

D. ACCOMMODATION

Holiday Inn Resort offers vast choice of accommodation:-

- * Lagoon Water Villa & Ocean Water Villa
- * Beach Pool Villa & Pool Water Villa
- * Reef Pool Water Villa & Grand Residence

No. of Total Rooms = 127

- * Lagoon Water Villa = 27
- * Ocean Water Villa = 28
- * Beach Pool Villa = 18
- * Pool Water Villa = 22
- * Reef Pool Water Villa = 27
- * Grand Residence = 05



1. LAGOON WATER VILLA:-

* Set amidst calm crystal clear lagoon facing North of the island, the private villa is perfect for a dip or swim around the shallow waters on the island. Unwind at the spacious private sun terrace or simply lie on the Maldivian hammock to bask in the sun.



2. OCEAN WATER VILLA:-

* Wake up to the beautiful sunny day in the private ocean water villa, located near the island facilities and offers limitless views of the sky and sea. Also features a private terrace with sun lounger.

3. BEACH POOL VILLA:-

* Surrounded by lush greenery, the villa comes with a private plunge pool facing the horizon. Feel the white powdery sand beneath your feet as the beach is just steps from your terrace.



4. POOL WATER VILLA:-

* Enjoy the comfort of space and privacy at the pool water villa, where contemporary bright interior hues integrated with woven textures mirror the enchanting beauty of the Maldivian culture and scenery, providing you with an oasis of calm and serenity.

5. GRAND RESIDENCE:-

* Luxuriate in the Grand Residence, Uniquely designed with two bedrooms, exclusive living space and two bathrooms. Take your time to enjoy Maldives to the fullest as you watch hundreds of fish swimming idly from villa's glass floor.



E. AMENITIES & FACILITIES



1. SPA:-

- * Offer Signature experiences, Indian therapies, spa indulgence.
- * Ayurvedic / Aroma Therapies.
- * Facials, body wrap & scrub.



2. WEDDING DESTINATION:-

- * Resort offers perfect wedding Destination which promises to stand the test of time in the magical land of Maldives is simply unforgettable.



3. PRIVATE DINING:-

- * Resort offers candle light dinner at Beach side,
- * Private dining with great lighting Ambience.



4. ADVENTURE ENTHUSIAST

- * Resort offers a wide array of water sports and world-class scuba diving and snorkeling experience.



5. BEACH CLUB RECREATION PROGRAM:-

- * Comprising a gymnasium, yoga deck, games lounge and more, it is the place to gather or just to wind down and refresh while on holiday.



6. HONEYMOON PACKAGE:-

- * Resort offer you to Celebrate Honeymoon or wedding anniversary and enjoy exclusive gifts specially prepared for you and your loved

F. FINE DINING & RESTAURANTS



1. THE EDGE

- * This fine dining restaurant is your stop for a meal. Savour a finely curated Maldivian menu that truly brings out the full local flavour.



2. BREEZE POOLSIDE:-

- * Set against tranquil, panoramic ocean views, this laidback pool bar serves lunch and light bites throughout the day.



3. FIREDOOR

- * Kitchen featuring an impressive Josper grill, set to fire up your appetite.

COMPARATIVE ANALYSIS

COMPARISON OF AREAS BY THE CASE STUDIES AND LITERATURE STUDY WITH STANDARD NORMS AND FINAL AREA CALCULATION FOR PROPOSED BEACH RESORT.

S. NO.	AREA REQUIREMENTS	OBSERVATION OF AREAS		OBSERVATION OF AREA	STANDARD NORMS (M ²)	FINAL AREA CALCULATION (M ²)
		CASE STUDY 1	CASE STUDY 2	LITERATURE STUDY		
		HOLIDAY INN	TAJ EXOTICA	GRAND PARK RESORT		
1	ADMINISTATIVE AREA					
1.1	HR OFFICE	30	45	25	30	25
1.2	FMD DEPARTMENT	35	50	30	30	35
1.3	JUNIOR ENG. CABIN	20	30	*	30	35
1.4	SECURITY OFFICE	30	45	20	25	25
1.5	MANAGER ROOM	30	40	25	30	32
1.6	BOARD ROOM	30	45	20	25	32
1.7	REST ROOM	35	40	30	35	35
	TOTAL	210	295	150	205	219
2	PUBLIC AREA					
2.1	LOBBY AREA	350	450	300	350	500
2.2	POOL AREA	1200	1500	600	1000	1200
2.3	MEETING ROOM	100	150	*	100	100
2.4	DISCOTHEQUE	*	*	*	250	300
	TOTAL	1650	2100	900	1700	2100
3	RECREATION AREA					
3.1	GYMNASIUM	120	150	80	100	135
3.2	SPA & SAUNA	100	180	120	120	125
3.3	ASSEMBLY AREA	300	450	60	100	600
3.4	BALLROOM/BANQUET HALL	470	450	*	500	550
3.5	PRE-FUNCTION AREA	150	200	*	200	200
	TOTAL	1140	1430	260	1020	1610
4	ACCOMODATION					
4.1	PLAZA/PREMIUM ROOM	46*152	56*118	80*27	50	40
4.2	DELUXE/LUXURY SUITE	46*52	115*33	93*27	85	45
4.3	JUNIOR/KIDS ROOM	46*1	92*1	50*1	45	50
4.4	PRESIDENRIAL ROOM	*	164*2	210*5	150	145
4.5	BEACH POOL ROOM	*	*	78*18	42	50
4.6	OCEAN WATER VILLA	*	*	93*50	90	85
	TOTAL	9430	10823	11825	462	**

5	DINING & RESTAURANTS					
5.1	COFFEE SHOP	120	150	80	100	135
5.2	BUFFER DINING	400	550	250	500	625
5.3	FINE DINING & BAR	135	200	120	120	135
5.4	OUTDOOR DINING	300	450	225	300	350
5.5	PRIVATE DINING	50	80	60	50	60
	TOTAL	1005	1430	735	1070	1305
6	UTILITY AREAS					
6.1	HE CHANGES ROOM	15	22	15	20	20
6.2	SHE CHANGES ROOM	15	22	12	20	20
6.3	LOCKERS ROOM	30	35	25	35	40
6.4	STAFF LOUNGE	30	45	16	30	45
6.5	KITCHEN & OFFICE	160	250	115	150	180
6.6	STORE ROOM & OFFICE	120	210	80	135	130
6.7	BREAK POINT	45	60	35	50	50
6.8	LAUNDRY AREA	100	150	80	100	90
6.9	DRY CLEANING ROOM	*	35	*	20	20
6.10	DUMP YARD/CHUT AREA	80	120	60	100	100
6.11	SERVER ROOM	20	35	15	20	20
6.12	AHU ROOM	20	35	15	20	20
	TOTAL	635	1019	468	700	735
7	SPORTS & PLAY AREA					
7.1	BASKET BALL COURT	250	250	*	250	200
7.2	GOLF COURSE	*	3800	*	3500	*
7.3	CRICKET/TENNIS COURT	*	2200	*	2000	1800
7.4	KIDS PLAY AREA	*	160	75	100	85
	TOTAL	250	6410	75	5850	2085
8	ADVENTURE ENTHUSIAST					
8.1	PRIVATE BEACH	350	650	250	350	300
8.2	SCUBA DIVING	*	*	15000	*	*
8.3	SNORKELING	*	*	20000	*	*
	TOTAL	350	350	35250	350	300
9	PARKING AREA					
9.1	TWO WHEELER	2800	3500	*	2500	2400
9.2	FOUR WHEELER/JETTY	5450	6500	2500	5000	5000
9.3	SERVICE PARKING	1500	2000	*	1500	1200
	TOTAL	9750	12000	2500	9000	8600
NOTE	ALL THE AREAS ARE IN SQUARE METERS.					

LIBRARY STUDY

STANDARD NORMS

A. ROOM TYPES

In Hospitality the days of resorts only offering Guests standard rooms for reservations are long gone! Nowadays, there are myriad room types and suites at resorts around the world – a delightfully eclectic selection – meaning that any size of group and most preferences can be catered for.

Of Corse, variously sized and styled room are made available at differing rates, but prices can be adjusted depending upon occupancy, time of year, and other factors.

Rooms tend to fall into categories when it comes to price bands, the type of décor, whether a room is pool-side or ocean side... Images and descriptions of main features and amenities applying to each room category will usually be included on a resort's brand website and across its distribution channels.

Even though rooms may vary resort by resort, the following room type definitions are common:

- **Single Room:** - A room assigned to one person. May have one or more beds.
- **Double Room:** - A room assigned to two people. May have one or more beds.
- **Triple Room:** - A room assigned to three people. May have two or more beds.
- **Quad Room:** - A room assigned to four people. May have two or more beds.



Single Room(20M²)



Double Room(25M²)



Triple Room(25M²)

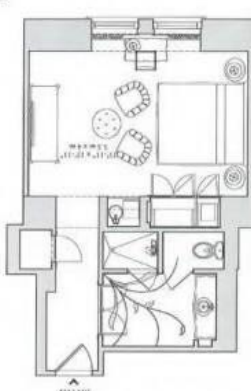


Quad Room(25M²)

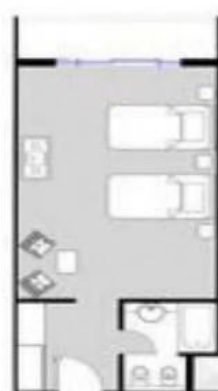
- **Queen Size:** - A room with a queen-sized bed (5'x6'). May be occupied by one or more people.
- **King Size:** - A room with a king-sized bed (6'x6'6"). May be occupied by one or more people.
- **Twin Bed:** - A room with two queen-sized beds. May be occupied by two or more people.
- **Studio Room:** - A room with a studio bed – a couch that can be converted into a bed. May also have an additional bed.



Queen-sized(20M²)



King-sized(25M²)



Twin Bedroom(30M²)



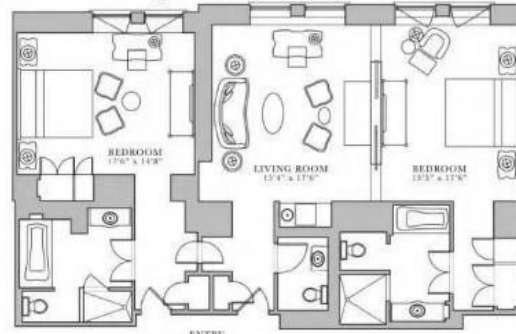
Studio Room(45M²)

Types of Suites can be include:

- **Master Suite:** - A parlour or living room connected to one or more bedrooms.
- **Mini-Suite or Junior Suite:** - A single room with a bed and sitting area. Sometimes the sleeping area is in a bedroom separate from the parlour or living room.



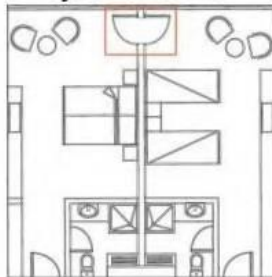
Master Suite with one bedroom(60M²)



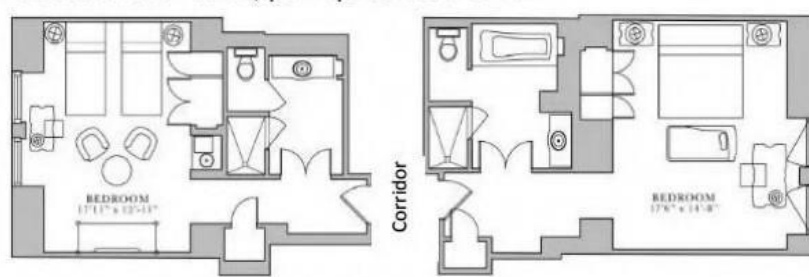
Master Suite with Two bedrooms(90M²)

Other types of rooms can include:

- **Connecting Rooms:** - Rooms with individual entrance door from the outside and a connecting door between. Guests can move between rooms without going through the hallway.
- **Adjoining Rooms:** - Rooms with a common wall, but no connecting door.
- **Adjacent Rooms:** - Rooms close to each other, perhaps across the hall.



Connecting Rooms



Adjacent Rooms

Also, it is important to point out that flexible hoteliers will always consider adding an additional bed (e.g. for a child), where a couple with toddler wish to sleep in the same room, or perhaps for an assigned care-giver. Also, in some rooms with single or double beds, a couch can be made into an extra bed where necessary. Finally, we should mention that often double rooms are booked by individual travelers who perhaps have trouble getting to sleep in a single bed, and prefer a double bed for their overnight stay or if they are staying for longer!

Room Facilities

- Free parking
- Food & Drink
- Free WiFi
- Airport shuttle
- Mini Fridge & Mini Bar
- Hair dryer in bathroom
- Tee/Coffee Maker
- Safe-Keeping/ In Room Safe

Activities and entertainment

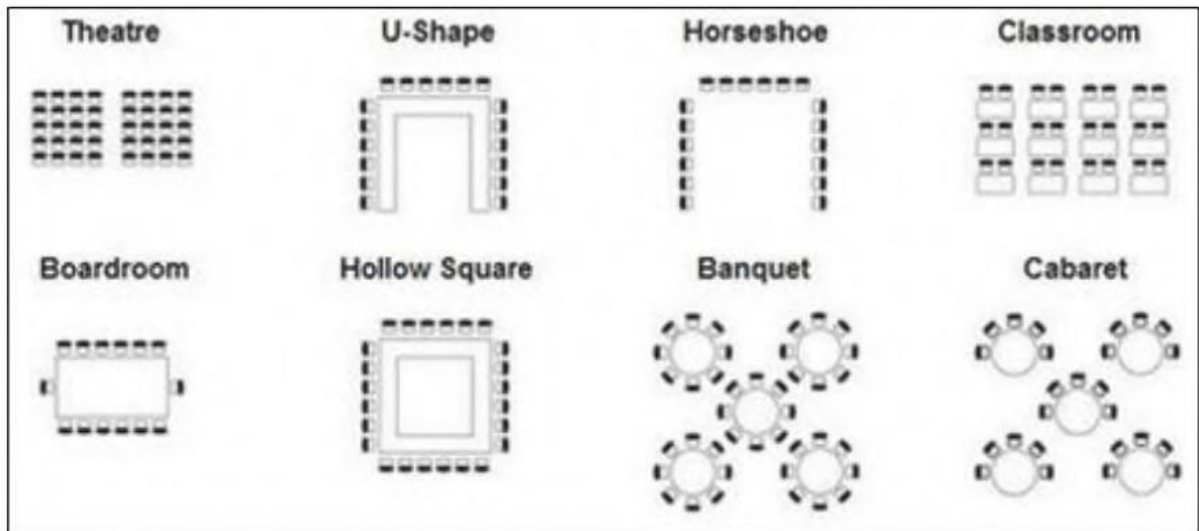
- ✓ Sauna
Additional charge
- ✓ Solarium
Additional charge
- ✓ Massage
Additional charge ...
- ✓ Fitness centre
- ✓ Fishing (Off-site)
Additional charge
- ✓ Spa and wellness centre
Additional charge

B. CONFERENCE HALL TYPES

When organizing, we'll have lots of options as to the types of meeting rooms to use. Some of these facilitate passive learning while others are great for group discussions and personal interaction.

There are eight types of Conference Hall:

- Theater style
- U-shape style
- Horseshoe
- Classroom
- Boardroom style
- Hollow square style
- Banquet
- Cabaret style

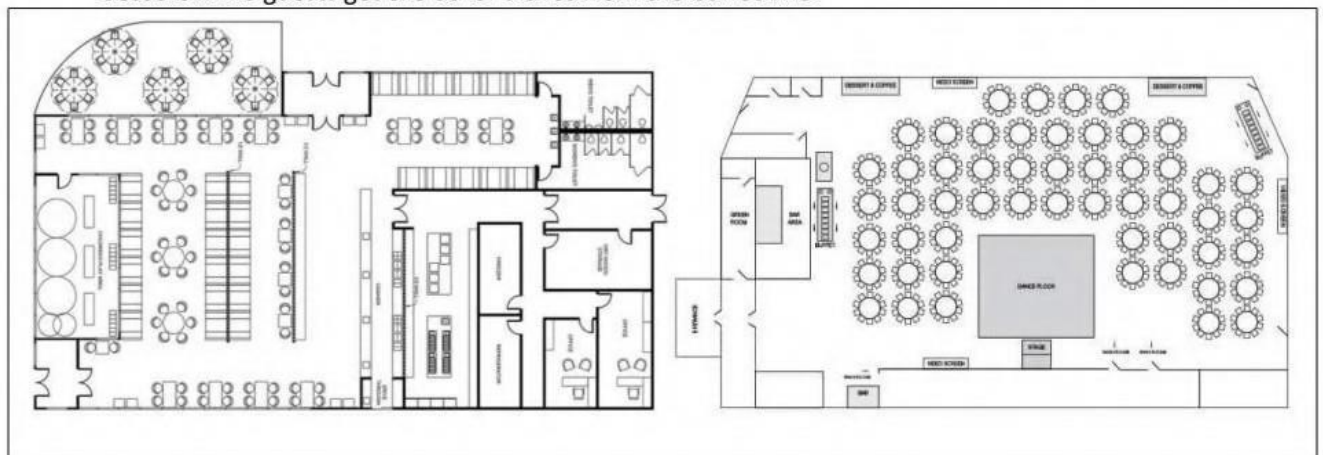


C. BUFFET DINING / BANQUET HALL

In a buffet dining, guests can choose their food from a wider selection made available on the buffet line.

There are 4 common types of Buffet Dining:

- **Simple Buffet** – Guests get food from a buffet line and waiters move around to clear tables and help guests with minor requests.
- **Station-type Buffet**– Waiters serve the beverages while guests get the other dishes from the buffet line.
- **Deluxe Buffet** – Waiters serve appetizers, soup and/or salads and beverages. Guests take the other dishes from the buffet line.
- **Modified Deluxe Buffet**– Tables are set with cutlery; waiters serve the beverages, coffee and dessert while guests get the other dishes from the buffet line.



CONCEPT

TECHNOLOGIES USED

INTRODUCTION

The project site is set in the tropical state of Maharashtra, wherein vernacular architecture features many passive design strategies aimed at providing cool interior environments and protection from the seasonal rains of the state. The architecture of the region features courtyards for stack cooling, openings on multiple levels for cross ventilation and solar shading elements. Some of the passive strategies and the principles behind some architectural elements are adopted into the project's design, while some are added to cater to Additional requirements.

PASSIVE DESIGN STRATEGIES

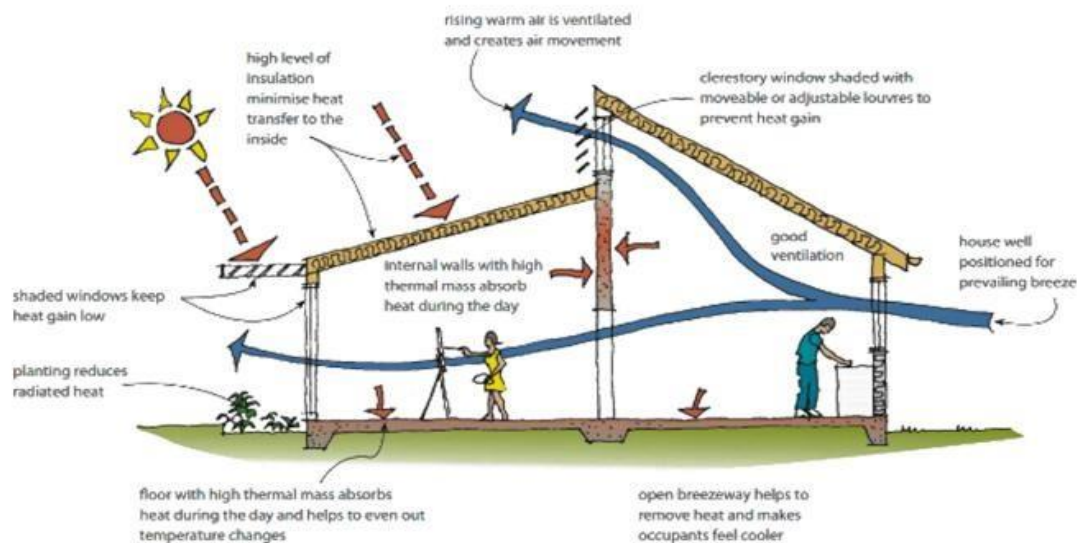


Fig43: Passive Design Strategies

The heavy monsoons of Toranmal are an underutilized resource in the place, which often suffers from water shortages during summer months. Effectively, Harvesting and managing stormwater can allow for reuse during summer months and can offset the public water supply consumption to a large extent. Effective stormwater management will also allow for groundwater recharge and percolation of surface run-off.

Energy supply is also a major concern at hill station suffers from periodic electricity cuts, exacerbated by heavy monsoons. Solar power is a reliable source of electricity, considering that the site gets 6 hours of sunlight daily on an average. Hence solar panels located, such as floating them on the nearby water body. Waste management is also a major concern at site, and the project proposes to treat the waste properly.

Efficient usage of water

The consumption of water in the project can be greatly reduced by adopting the following methods:

- Water-efficient plumbing fixtures: Waterless urinals, ultra-low-flush toilets, low-flow & Sensored fixtures.
- Water-efficient irrigation & landscaping systems Low-flow sprinkler heads, Xeriscape (use of native/climate appropriate plants)
- Water recycling or reuse measures Can be minimal treatment for reuse on-site. Treated water for toilet flushing, sprinkler systems, Landscape irrigation, Gray water usage etc
- Water conservation in HVAC systems: Use of recycled/harvested rainwater for HVAC Cooling towers

RAINWATER HARVESTING

Rainwater harvesting (RWH) is an entire system involving capturing, storing and using rainwater and surface run- off for agricultural or domestic uses. The basic premise of a rainwater harvesting system is to catch water where its falls' and, in the process, recharge groundwater. There are two ways of using the harvested rainwater, through storage in receptacles and recharging into the aquifer.

The elements of rainwater harvesting are

- The catchment area where the rain falls
- The conveyance or conduit systems: 1. flat roof conveyance systems 2. sloping roof conveyance systems
- The first flush and the filter system
- The storage area
- The recharge area

In urban areas where space is a constraint, and also due to the lack of constant rainfall, recharge structures are preferred to storage arrangements.

Apart from project or building-specific interventions. Rainwater can be effectively managed through well designed landscaping features. One way to make cities spongier is to use permeable pavements, such as porous asphalt made with lot of large stone rather than fine aggregates such as sand, and with added cellulose fibres to hold the porous asphalt together. This creates more pores, and increases the air void up to 15 or 20 percent, allowing more rainwater to seep through. Porous pavements are typically laid on top of stabilizing material and a gravel layer, which functions as a reservoir to hold and eventually disperse the water into the soil underneath.

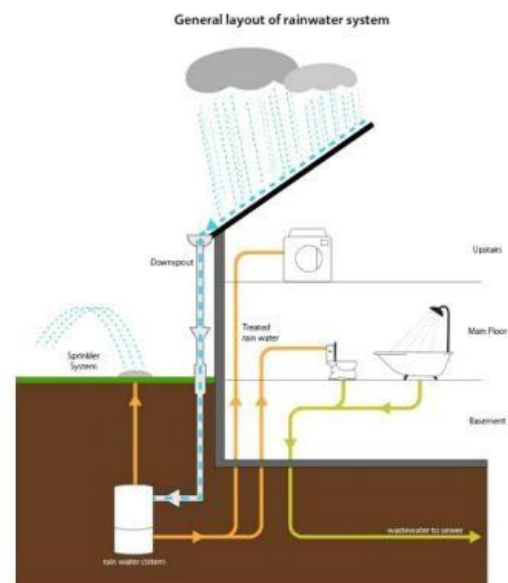


Fig49: Section of Recharge pit

Requirements according to MMBR 2019

(1) Groundwater recharging arrangements:

- Workable ground water recharging arrangements shall be provided as an integral part of all new building constructions through collection of roof top rainwater.
- The components of workable groundwater recharging arrangements, as stipulated in sub rule (1) above, shall include:
 1. Roof gutters
 2. Down pipe
 3. Filter unit
 4. Recharge well or recharge pond or Percolation pit
- Provided that open well or pond within the plot can be used as recharge components as mentioned in item above. Provided further that filter unit as mentioned in item (iii) shall be mandatory only in situations where rainwater is recharged directly to the groundwater through open wells, pond and the like
- In exceptional cases such as water logging or impermeable subsoil conditions to considerable depths, the ground water recharging arrangements for building constructions need not be made mandatory.

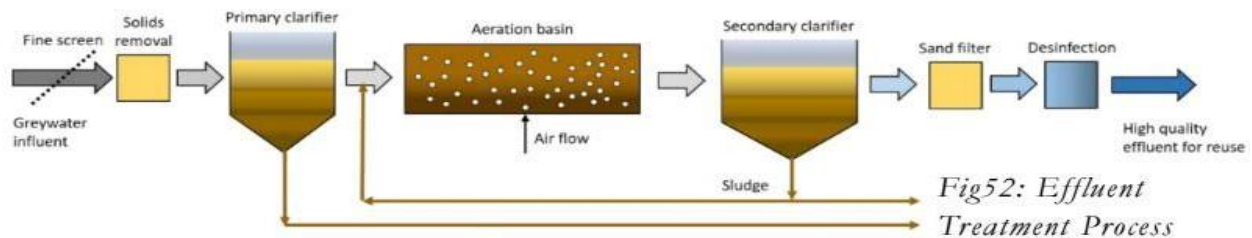
curbside rain garden



Fig50: Curbside Rain Garden

EFFLUENT / SEWAGE TREATMENT PLANT

In general, the wastewater discharged from domestic premises like residences, institutions, and commercial establishments is termed as sewage or wastewater. It includes waste liquid from toilets, baths, showers, kitchens, and sinks draining into sewers. Sewage treatment refers to the process of removing contaminants, micro-organisms, and other types of pollutants from wastewater, primarily from household sewage. Sewage treatment includes physical, chemical, and biological methods to remove contaminants and produce environmentally safe treated wastewater to make it usable again. Its objective is to produce an effluent that is suitable for reuse, discharge, or release back to the environment.



Sewage in a building complex can be treated by implanting Sewage Treatment System or Sewage Treatment Plant (STP) which involves following stage

1. Preliminary Treatment
2. Primary Treatment
3. Secondary Treatment
4. Tertiary Treatment



Fig53: Sewage treatment stages

Requirements according to MMR 2019

All buildings under (B) (educational), (D) (assembly), (E) (office) and F (mercantile/commercial) occupancies having total built-up area more than 5000 sq. metres shall incorporate in-situ waste liquid waste management treatment plant and special provision for recycling and reusing of waste water generated out of the use of water.

STP sizing

Waste water flowing into sewer

$$= 80\% \text{ of daily water consumption} = 33.4 \text{ kL}$$

Total quantity of waste water reaching the STP

$$= 75\% \text{ of } 33.4 = 25.05 \text{ kJ}$$

Water available for reuse post treatment

$$= 85\% \text{ of } 25.05 = 21.29 \text{ KL}$$

Considering a total depth of 3.3 m for STP (Liquid depth=3m),

Area of STP $192.5/3 = 7.09$ sqm



Fig54: Typical section of STP

SERVICES | BUILDING AUTOMATION AND CONTROL SYSTEM (BACS)

The term Building Automation and Control System (BACS) refers to centralized systems that monitor, control and record the functions of building services Systems Building facilities that are monitored and controlled by a reliable BACS tend to maintain the building environment more efficiently and so reduce the building's environmental impact and energy costs.

The core functions of a BACS system are as follows

- Maintain control of the building's environment.
- Operate systems according to occupancy and Energy demand
- Monitor and correct the performance of systems.
- Sound alerts as required.



Fig62: Access Control System

The basic components of a BACS are

- Sensors: Measure values such as temperature, humidity, lighting levels, room occupancy, and so on. Controllers: Instigate the system's response from the collected data, using algorithms that apply logic and send commands.
- Output devices Carry out commands from the controller.
- Communications protocol: The language used by the BACS components. -Dashboard The user interface for data reporting and interaction with the BACS system.

Fire alarm system

A fire alarm system is number of devices working together to detect and warn people through visual and audio appliances when smoke, fire, carbon monoxide or other emergencies are present. These alarms may be activated from smoke detectors and heat detectors.

A public address system is an electric sound amplification and distribution system with a microphone, amplifier and loudspeakers, used to allow a person to address a larger public, for example, for announcements of movements at large and noisy air and rail terminals or at a sports stadium.

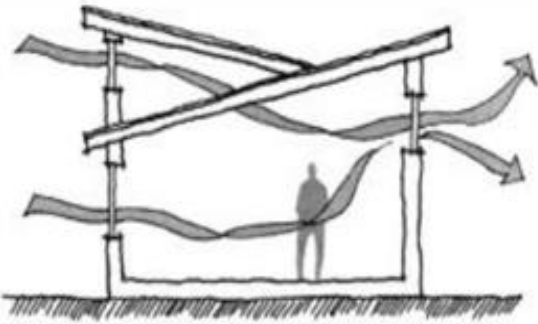
Access control systems

In the fields of physical security, a and information security, access control is the service restriction of access to a place or other resource. Access control refers to security features that control who can access resources in the operating system. Applications call access control functions to set who can access specific resources or control access to resources provided by the application

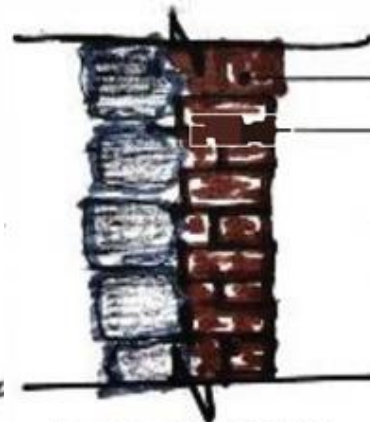
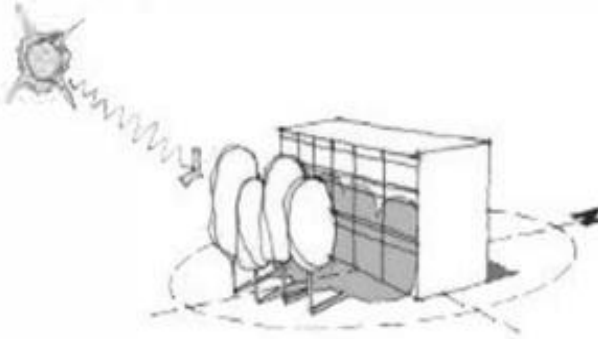
CCTV/Monitoring systems

- Closed circuit Television (CCTV), also known as video surveillance is the use of video cameras to transmit a signal to a specific place, on a limited set of monitors.
- Building CCTV system options are available to suit virtually every facility and security need. Available CCTV camera options include Network (IP) cameras, fed position cameras, pan/tilt/zoom (PTZ) cameras and thermal imaging cameras.

VEGETATION IS NEEDED ON THE SOUTH FACADE TO MAKE THE AIR COOL AND GET INSIDE THE



AS THE CLIMATE IS HUMIDE IS HIGH IN THE SUMMER & WINTER, MORE NATURAL

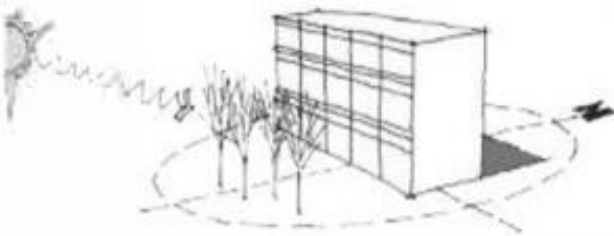


WALL SECTION

BRICKS

BASALT STONE

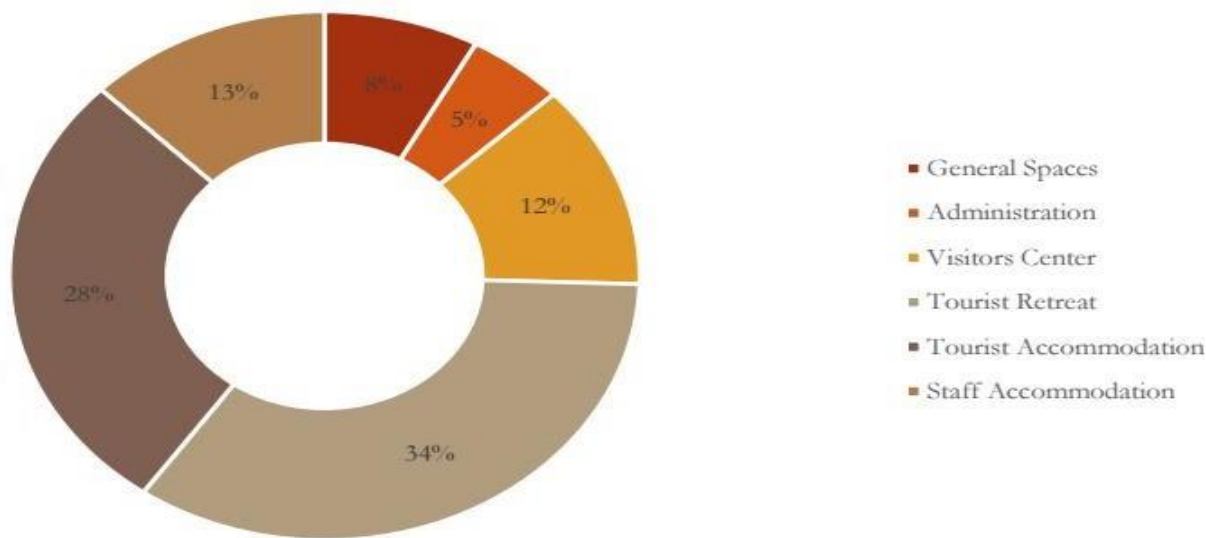
COMPOSITE WALL CONSTRUCTION IS USED HAVING THE INNER SIDE WITH BRICKS TO GET SMOOTH SURFACE AND BASALT STONE TO GET A TEXTURED SURFACE. OUT SIDE OF THE STRUCTURE



MUTUAL SHADING WITH THE BUILT FORMS

READINGS OF AREA

Area Distribution



All areas are Calculated in Sq.m

Function:

Administration = 258 Sq.m

General Spaces = 541 Sq.m

Visitors Center = 636 Sq.m

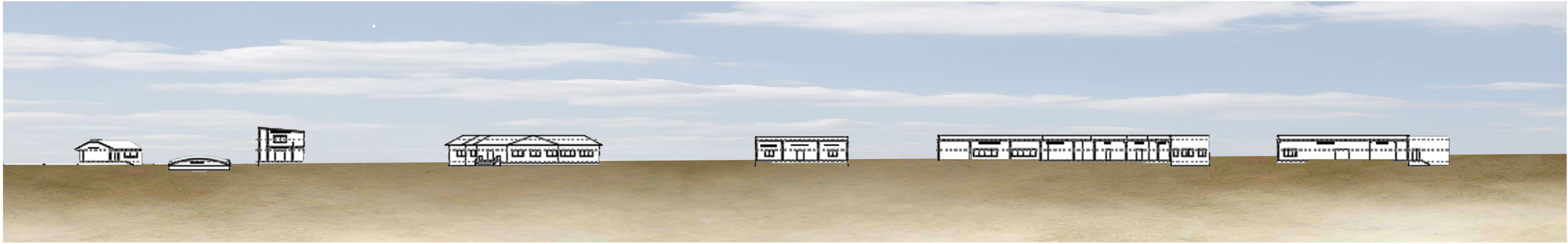
Tourist Retreat = 1063 Sq.m

Tourist Accommodation = 1390 Sq.m

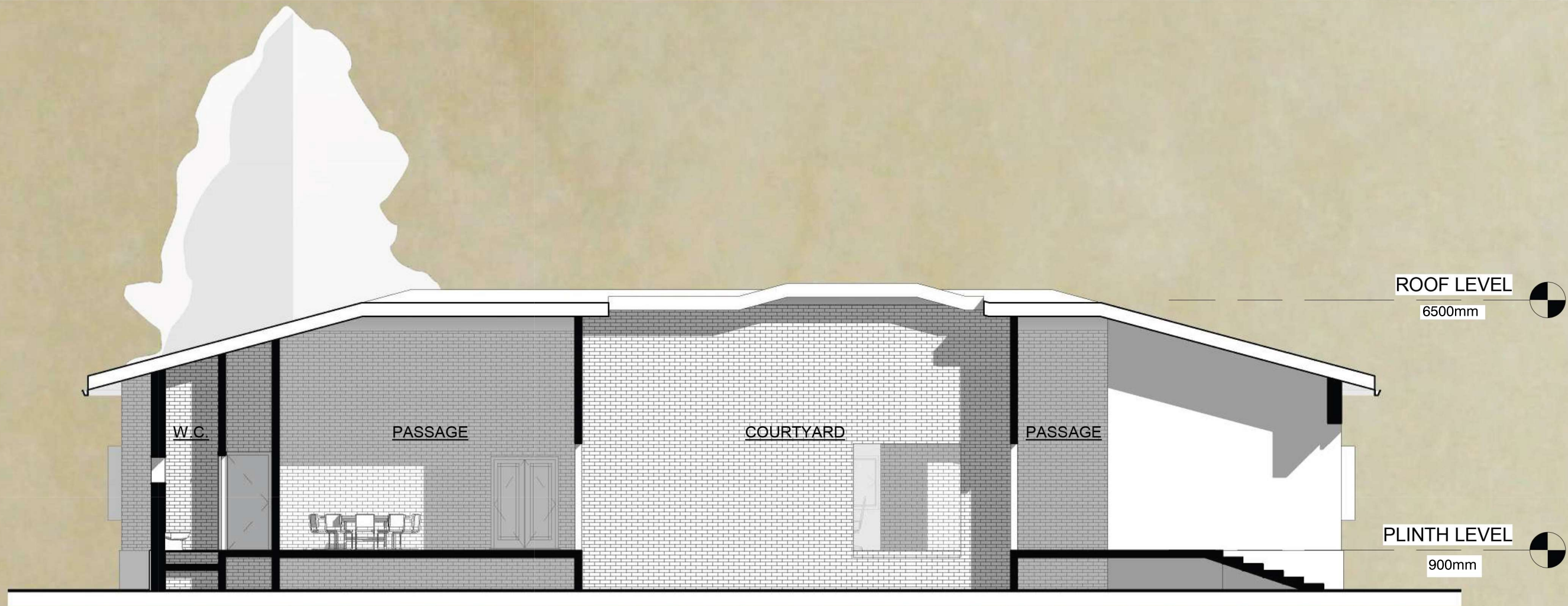
Staff Accommodation = 638 Sq.m

Total Built up area = 6336.4 sq.m

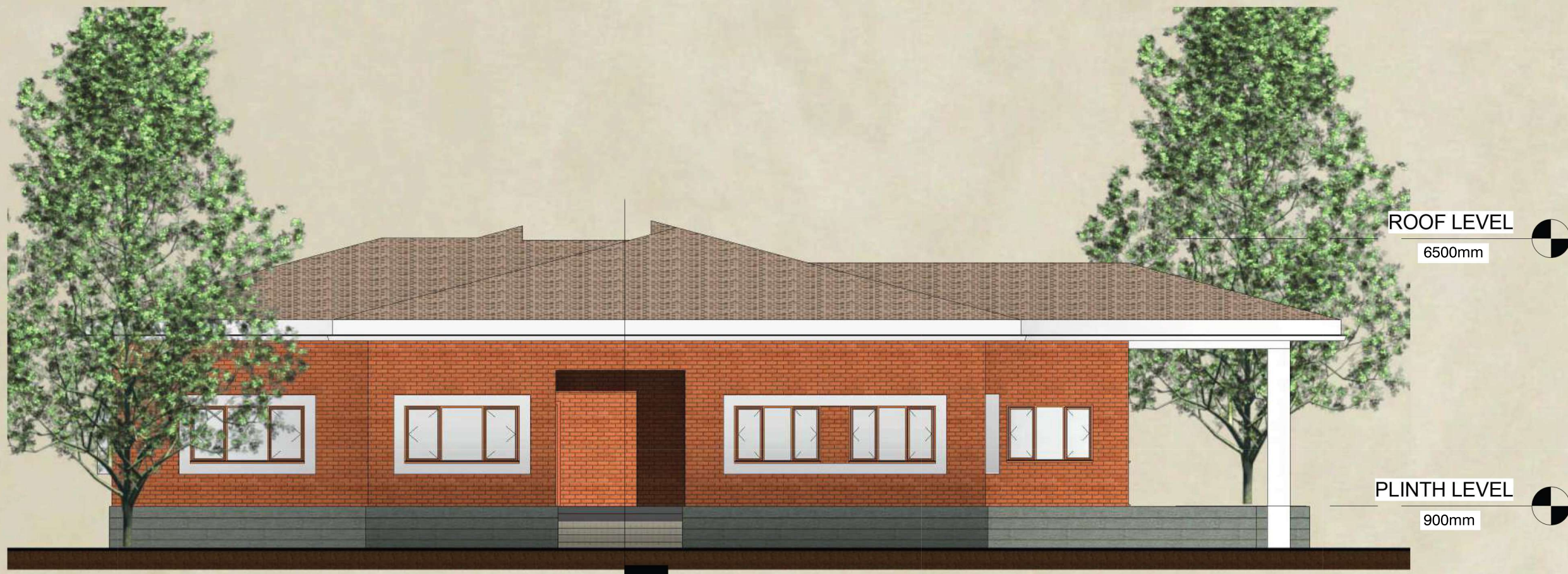
DRAWINGS



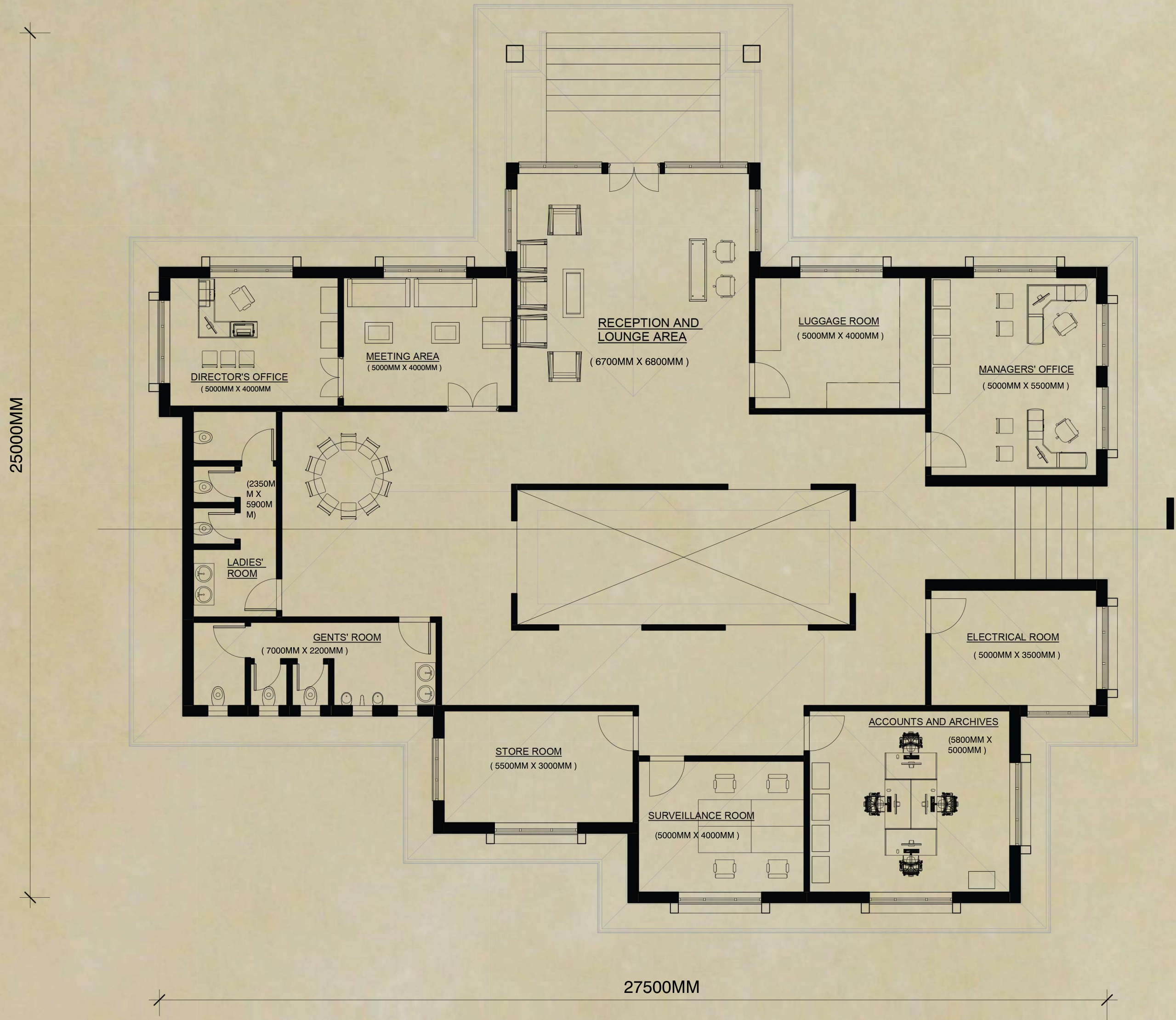
ADMINISTRATION BLOCK



SECTION AT AA



SIDE ELEVATION



FLOOR PLAN

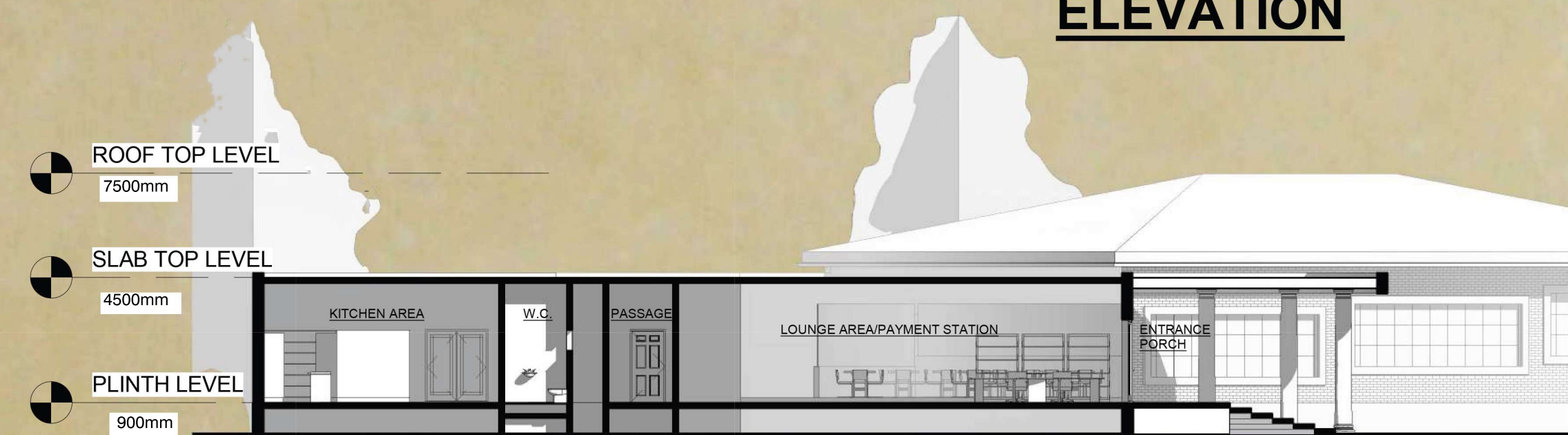
- SOLAR SHINGLES
- EXPOSED BRICK WALL MASONRY
- GLASS CASEMENT WINDOW
- EXPOSED CONCRETE



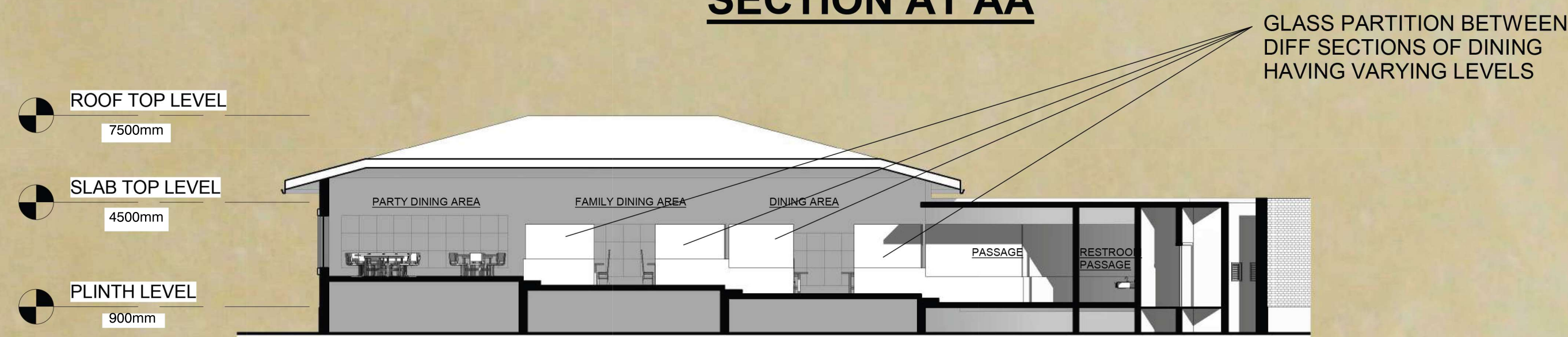
FRONT SIDE ELEVATION



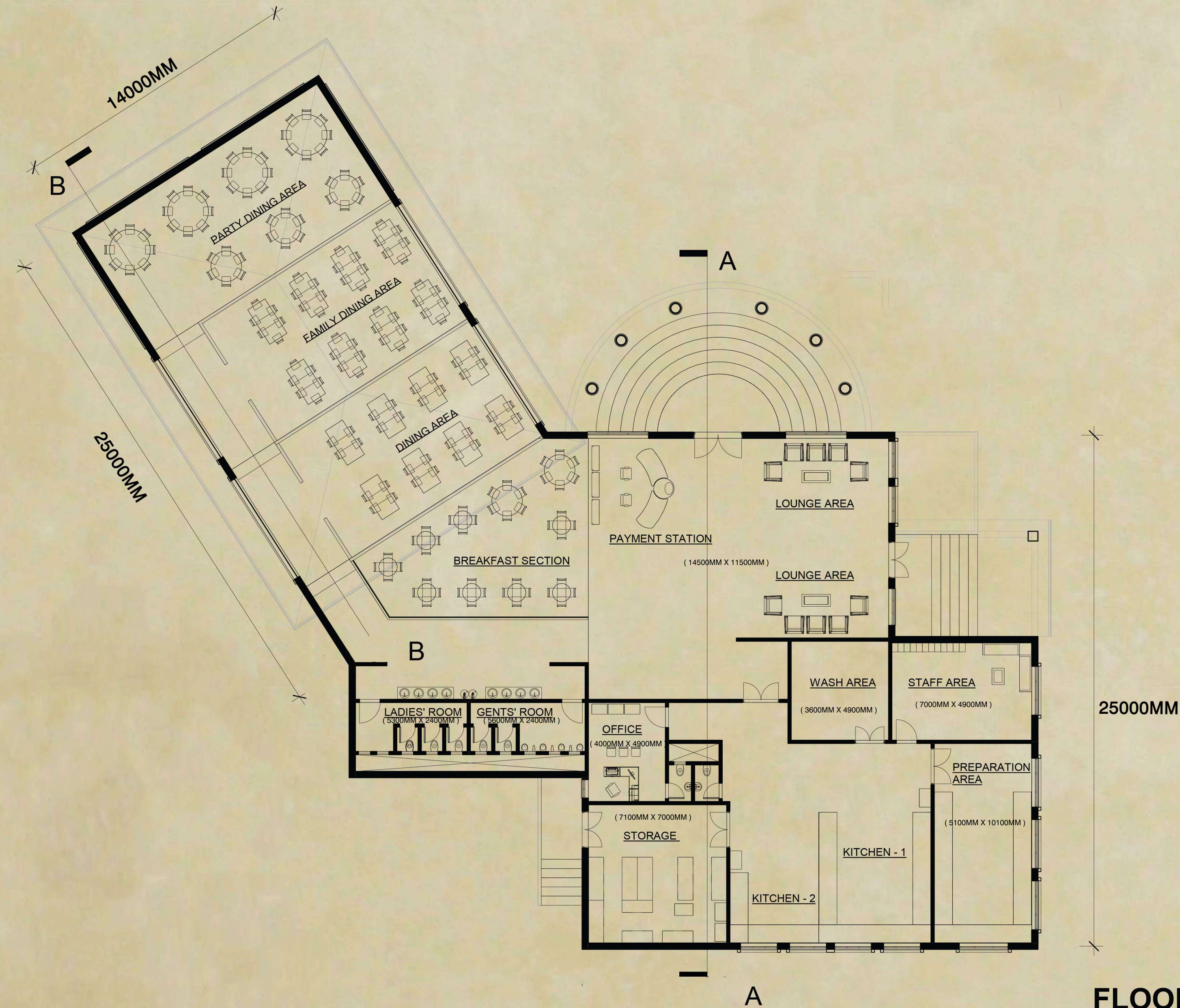
ELEVATION



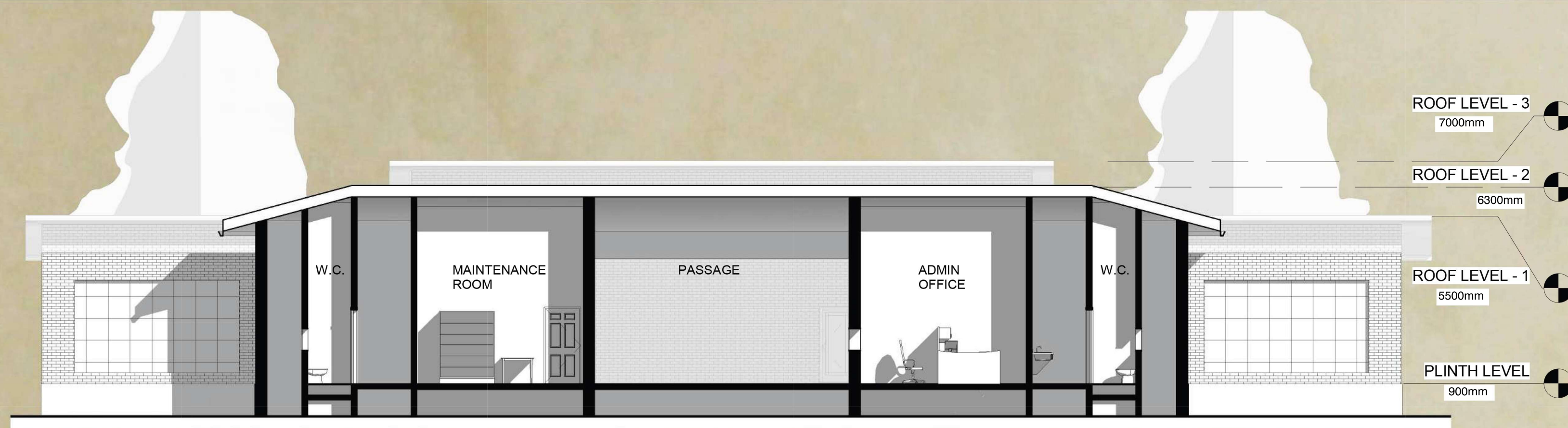
SECTION AT AA



SECTION AT BB



FLOOR PLAN



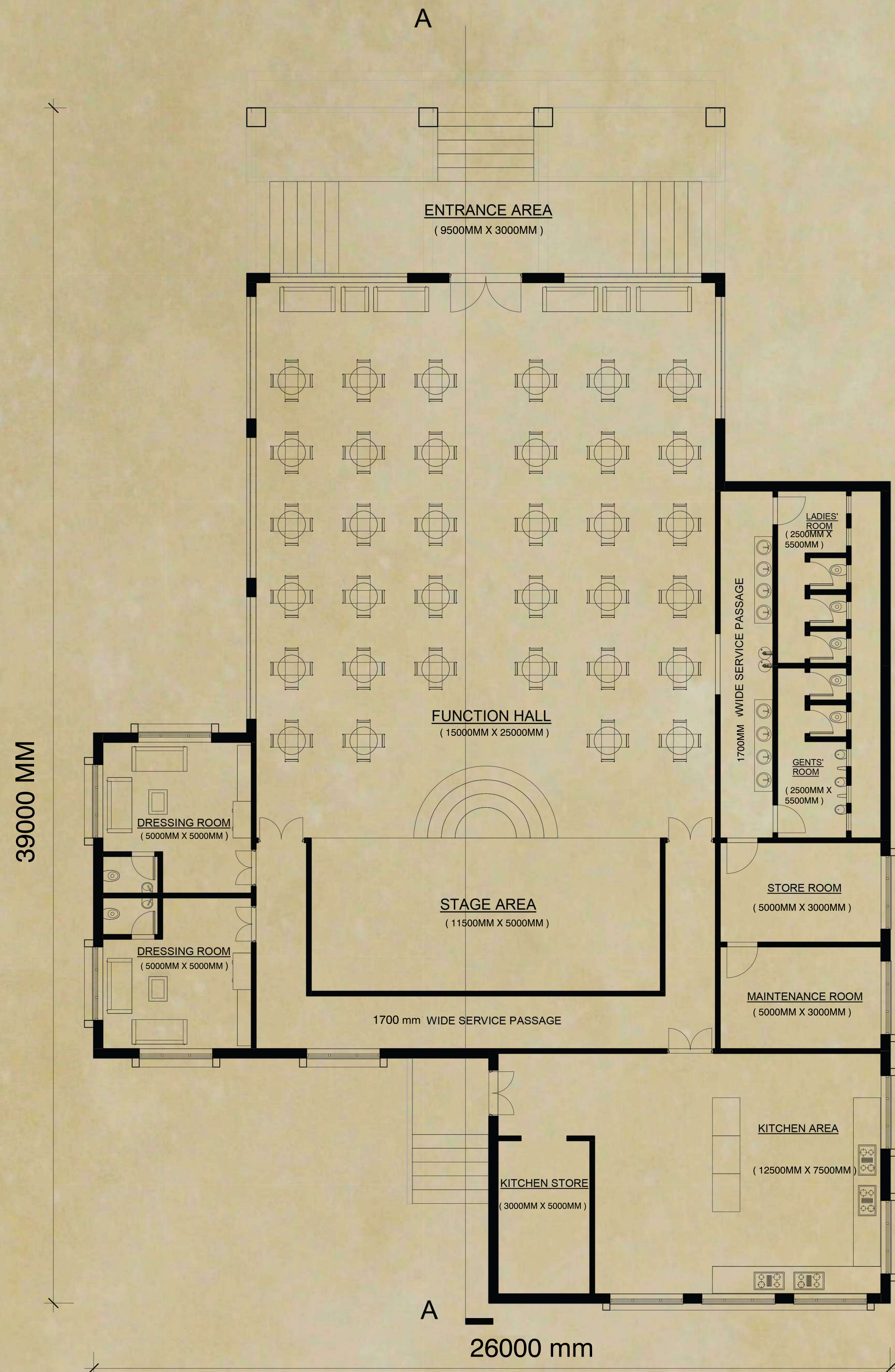
NORTH SIDE ELEVATION



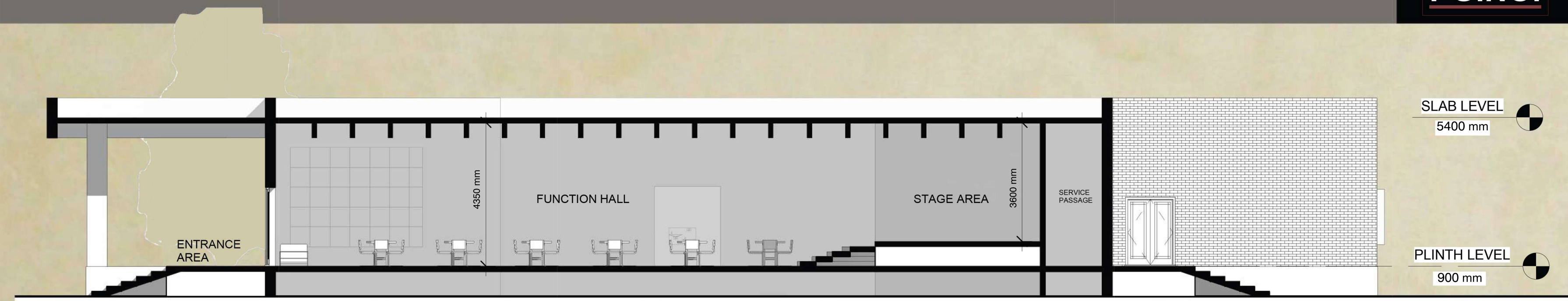
FLOOR PLAN



EAST SIDE ELEVATION



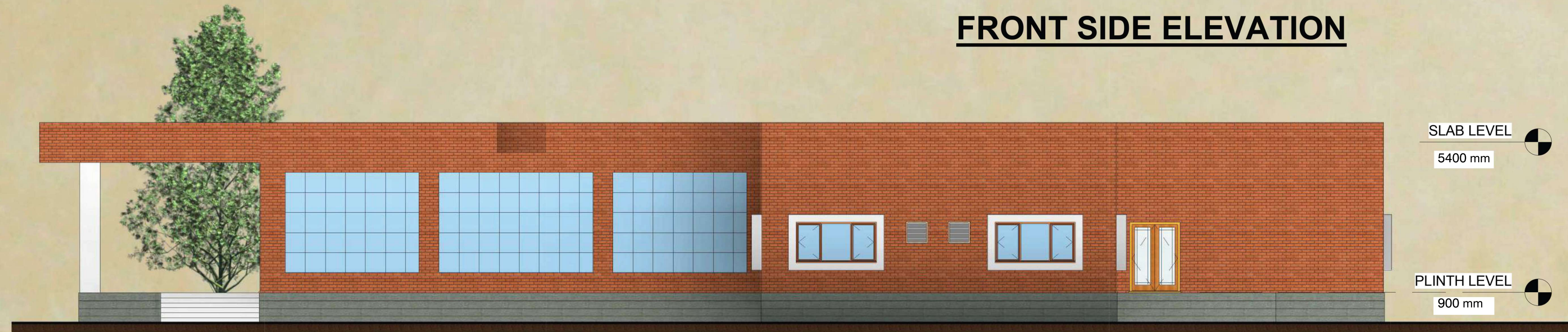
FLOOR PLAN



SECTION AT AA



FRONT SIDE ELEVATION



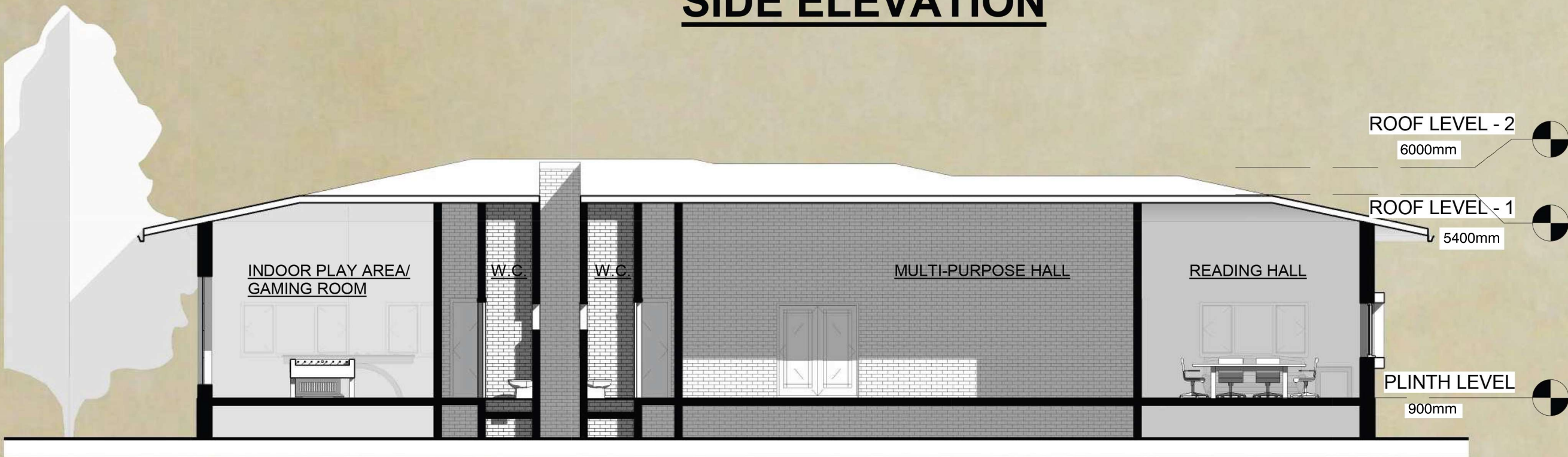
SIDE ELEVATION



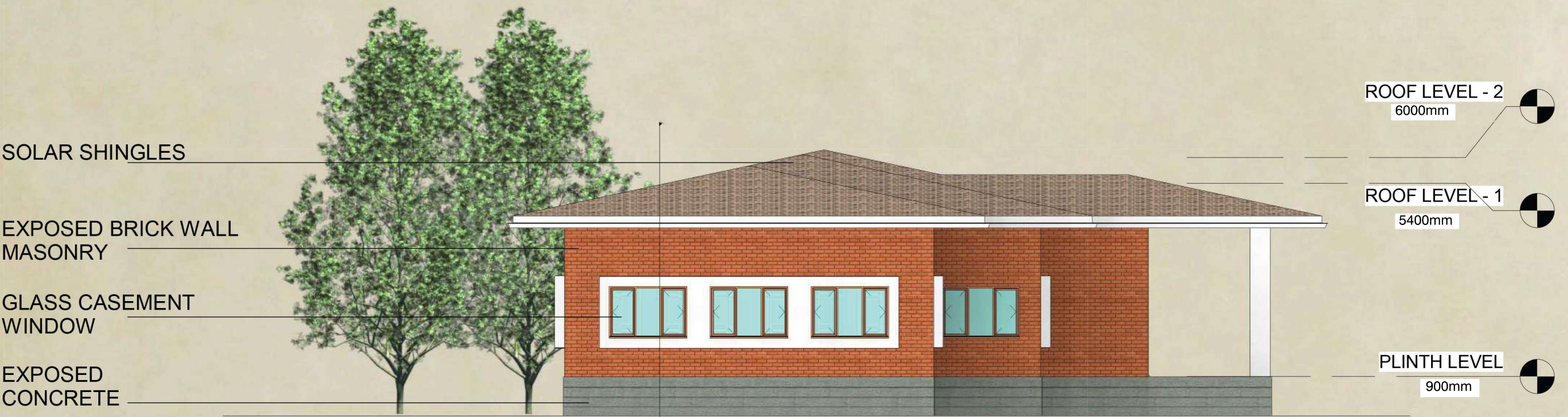
SIDE ELEVATION



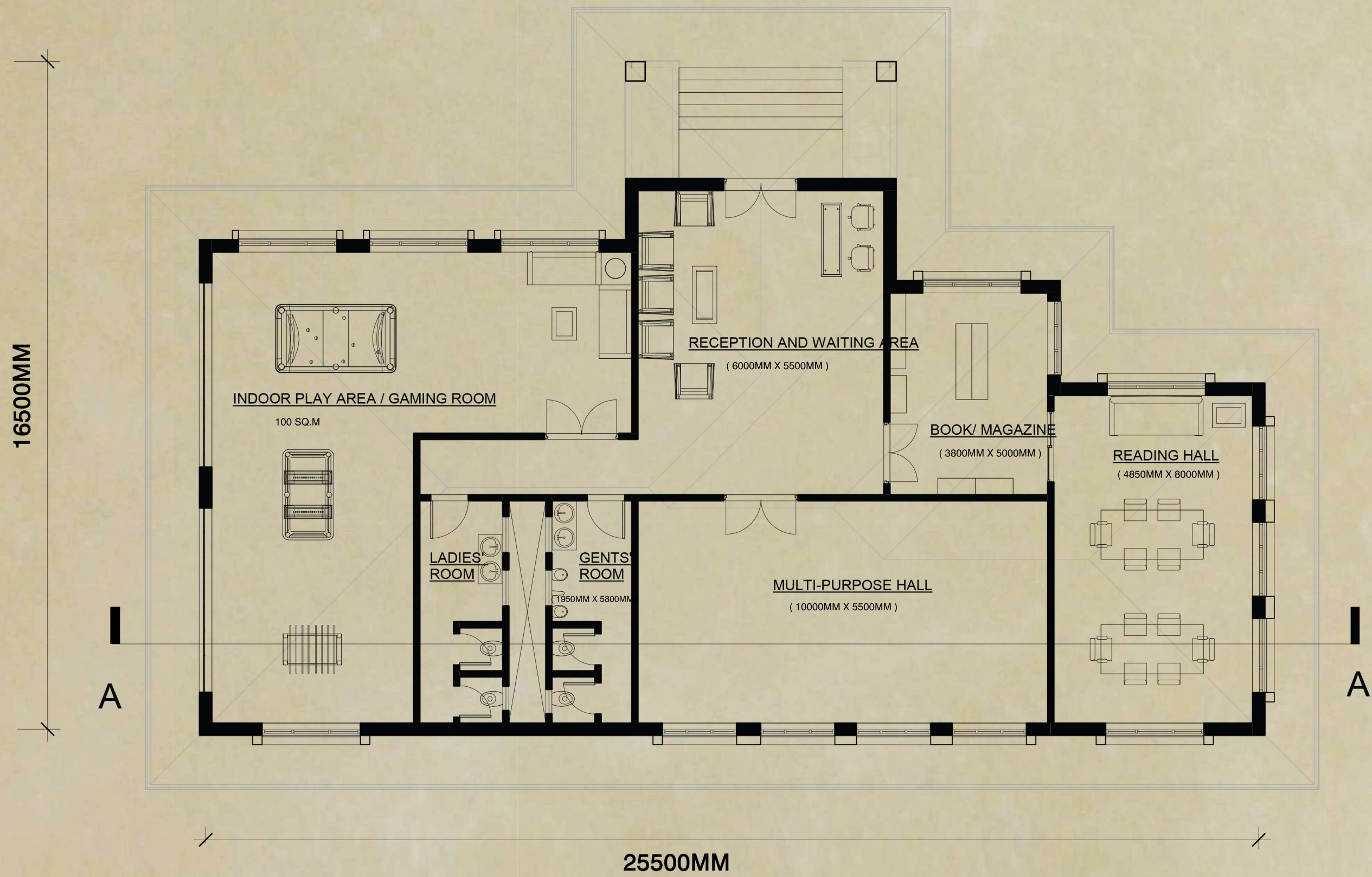
FRONT SIDE ELEVATION



SECTION AT AA



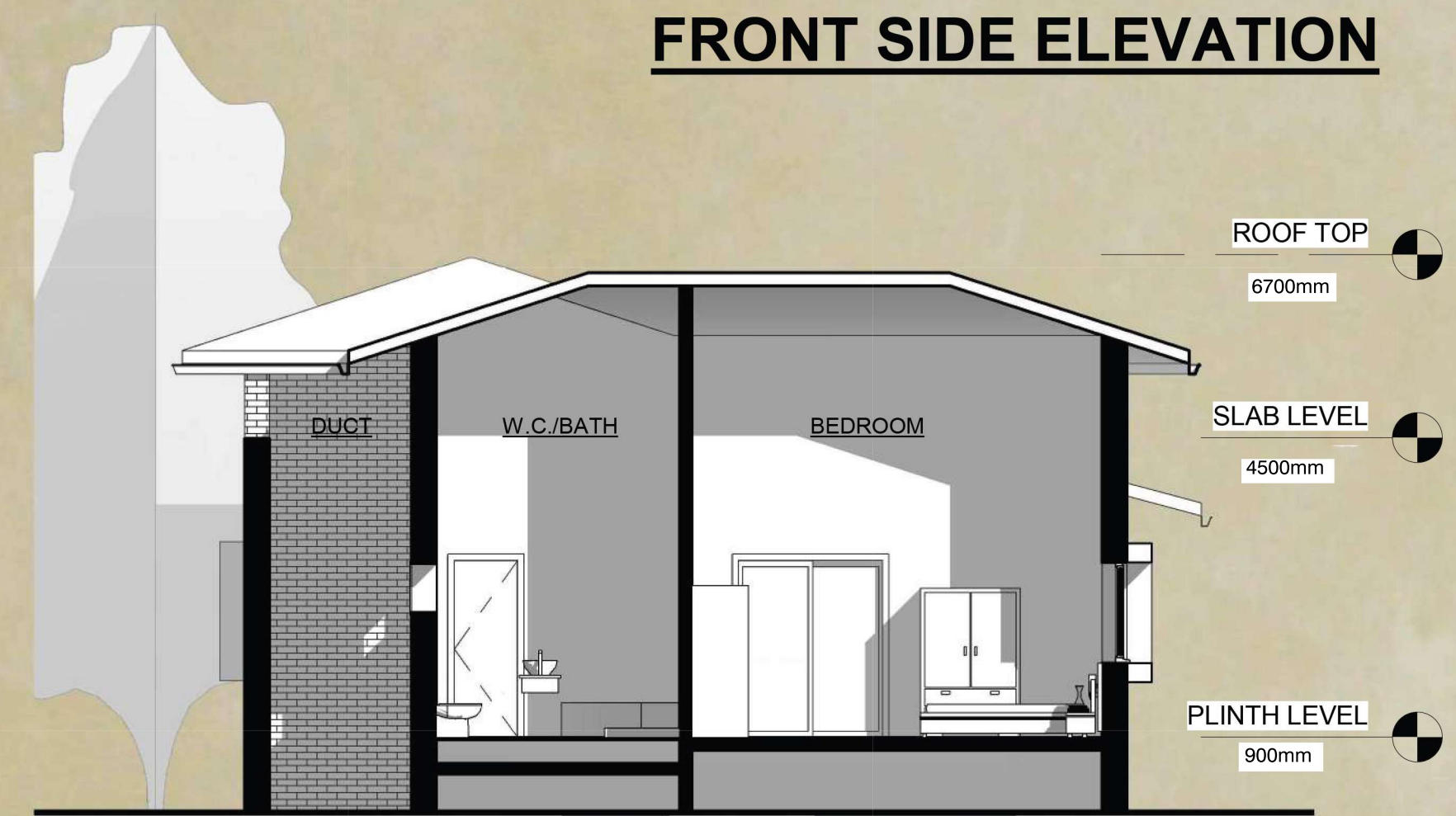
SIDE ELEVATION



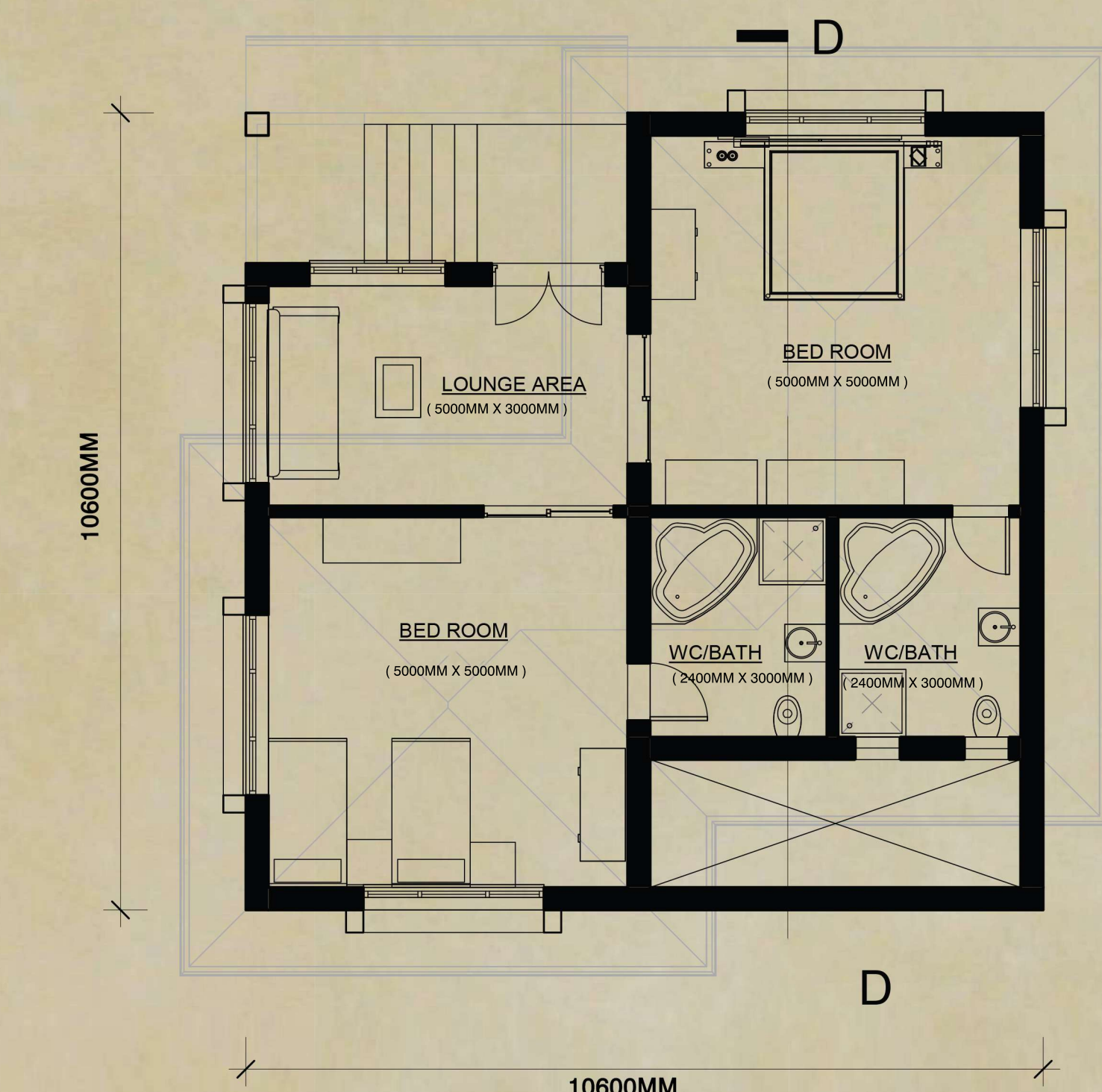
FLOOR PLAN



FRONT SIDE ELEVATION



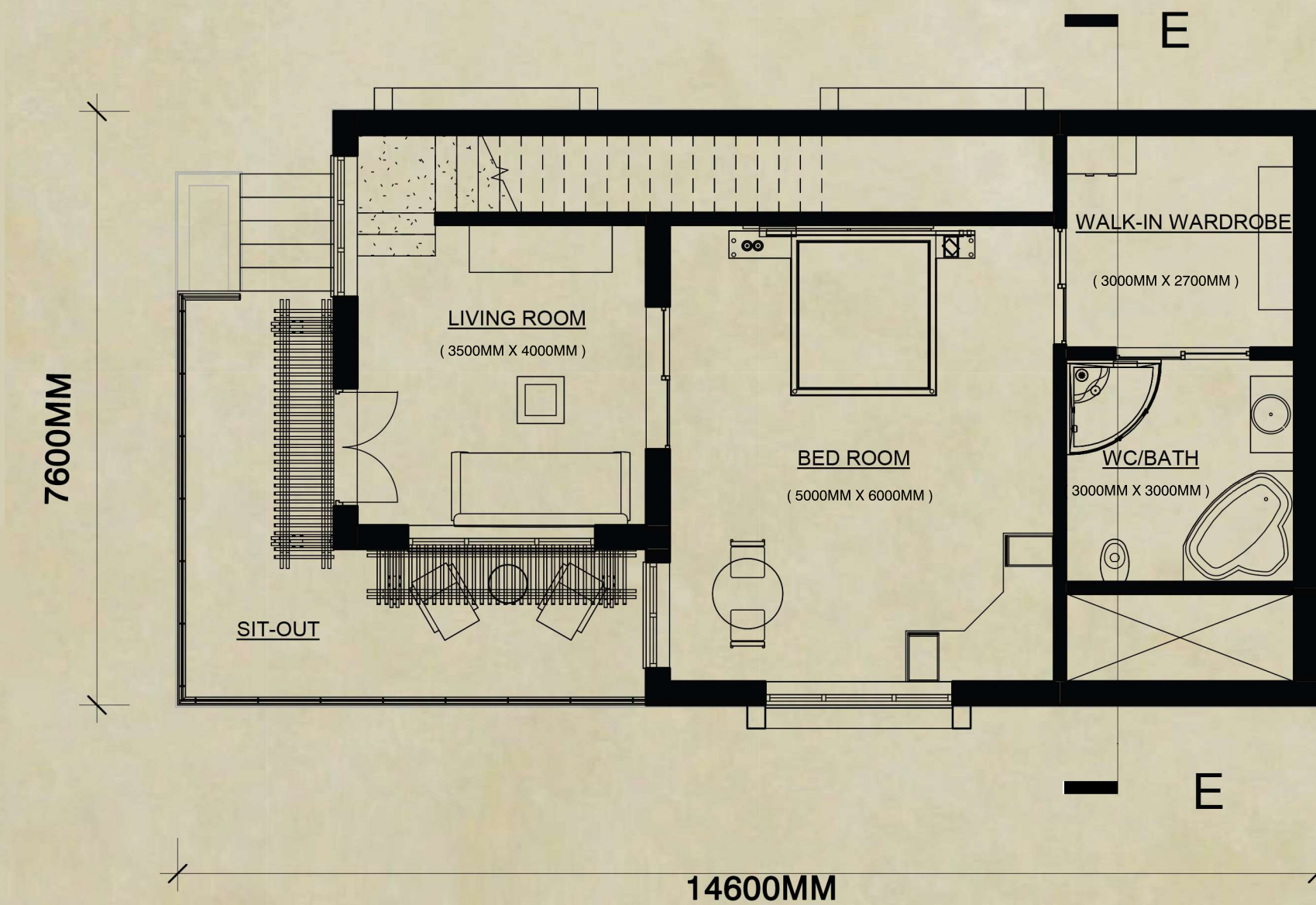
SECTION AT DD



FLOOR PLAN : DOUBLE BED SUITE



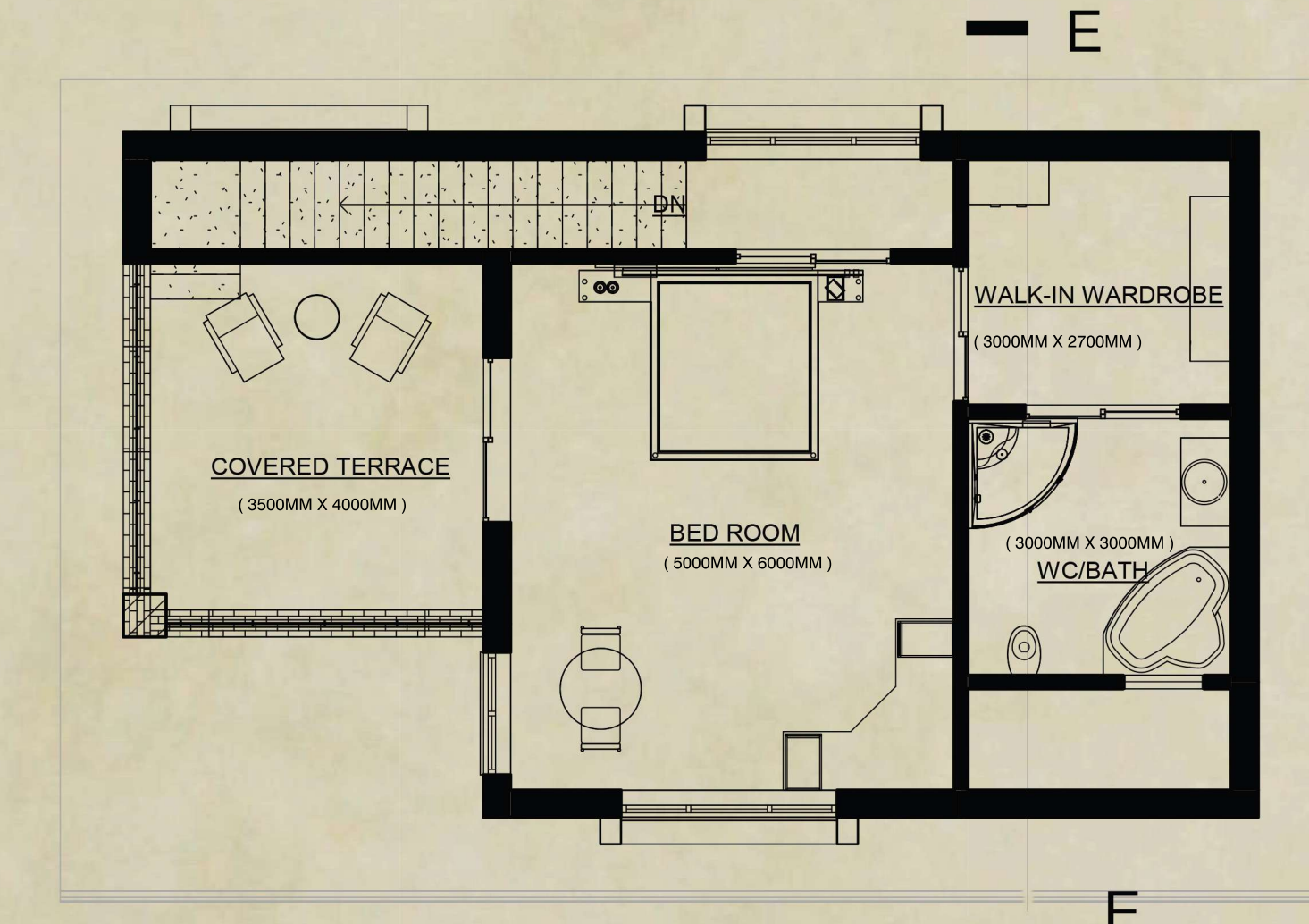
FRONT SIDE ELEVATION



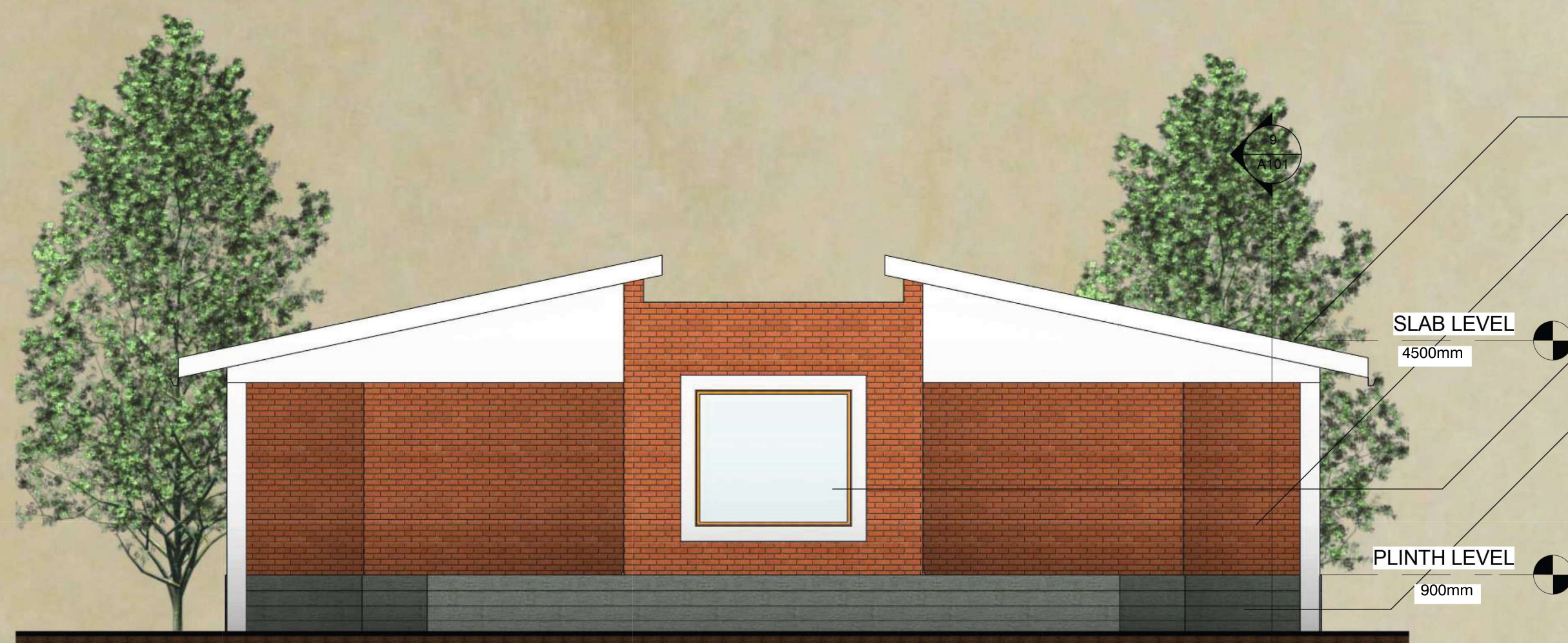
GROUND FLOOR PLAN : VILLA



SECTION AT EE



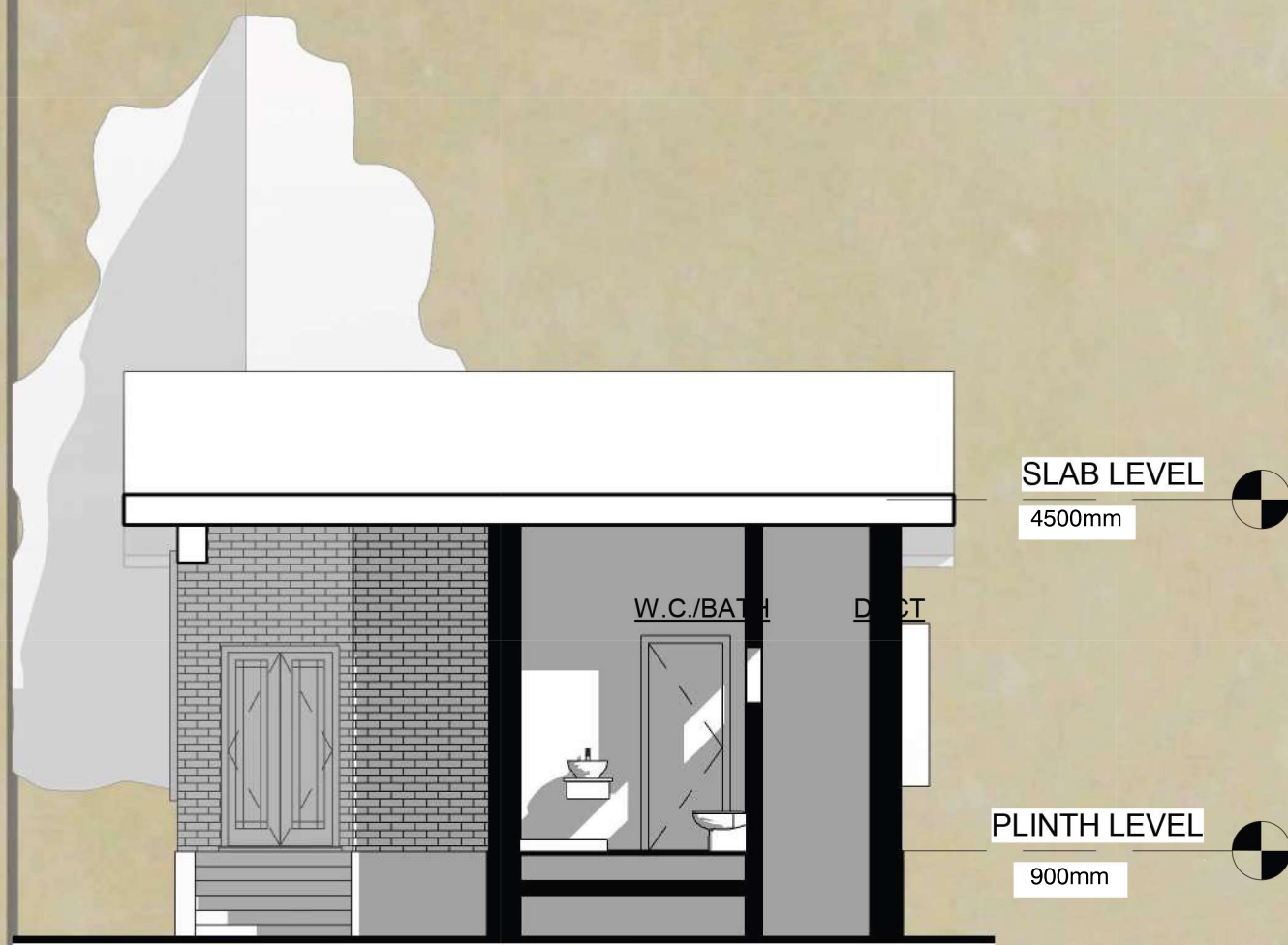
FIRST FLOOR PLAN : VILLA



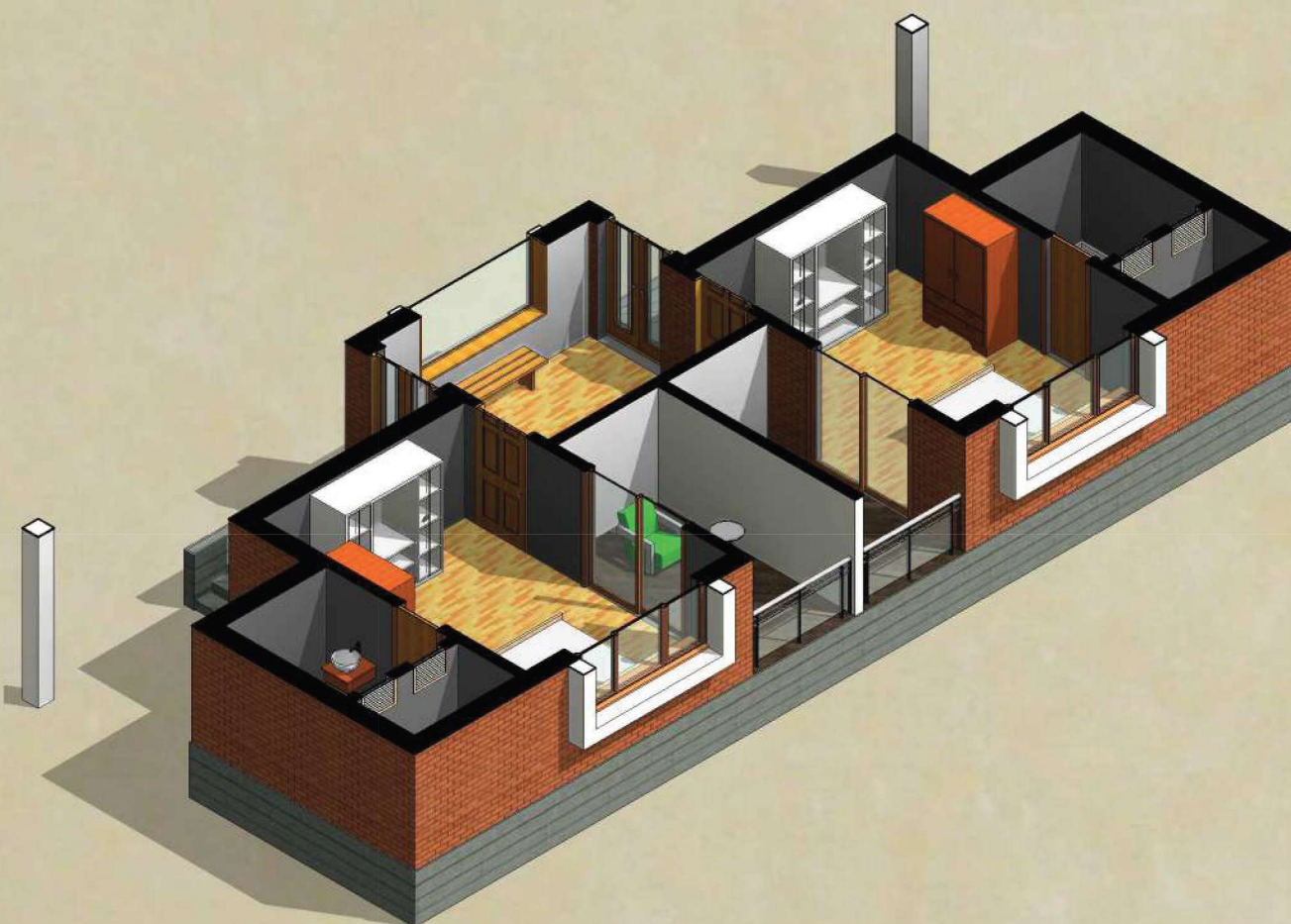
FRONT ELEVATION : SINGLE-BED ROOM



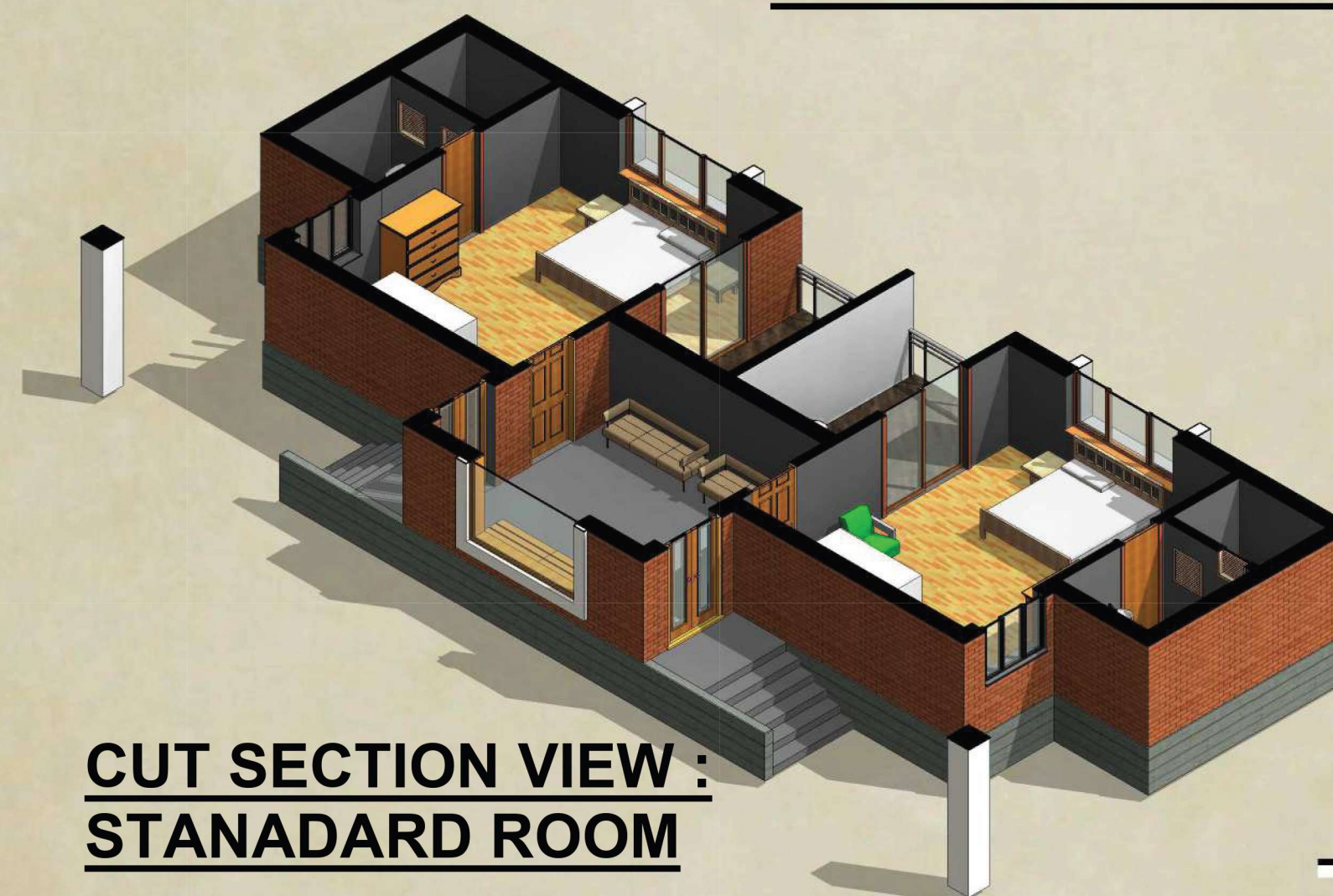
FRONT ELEVATION : STANDARD ROOM



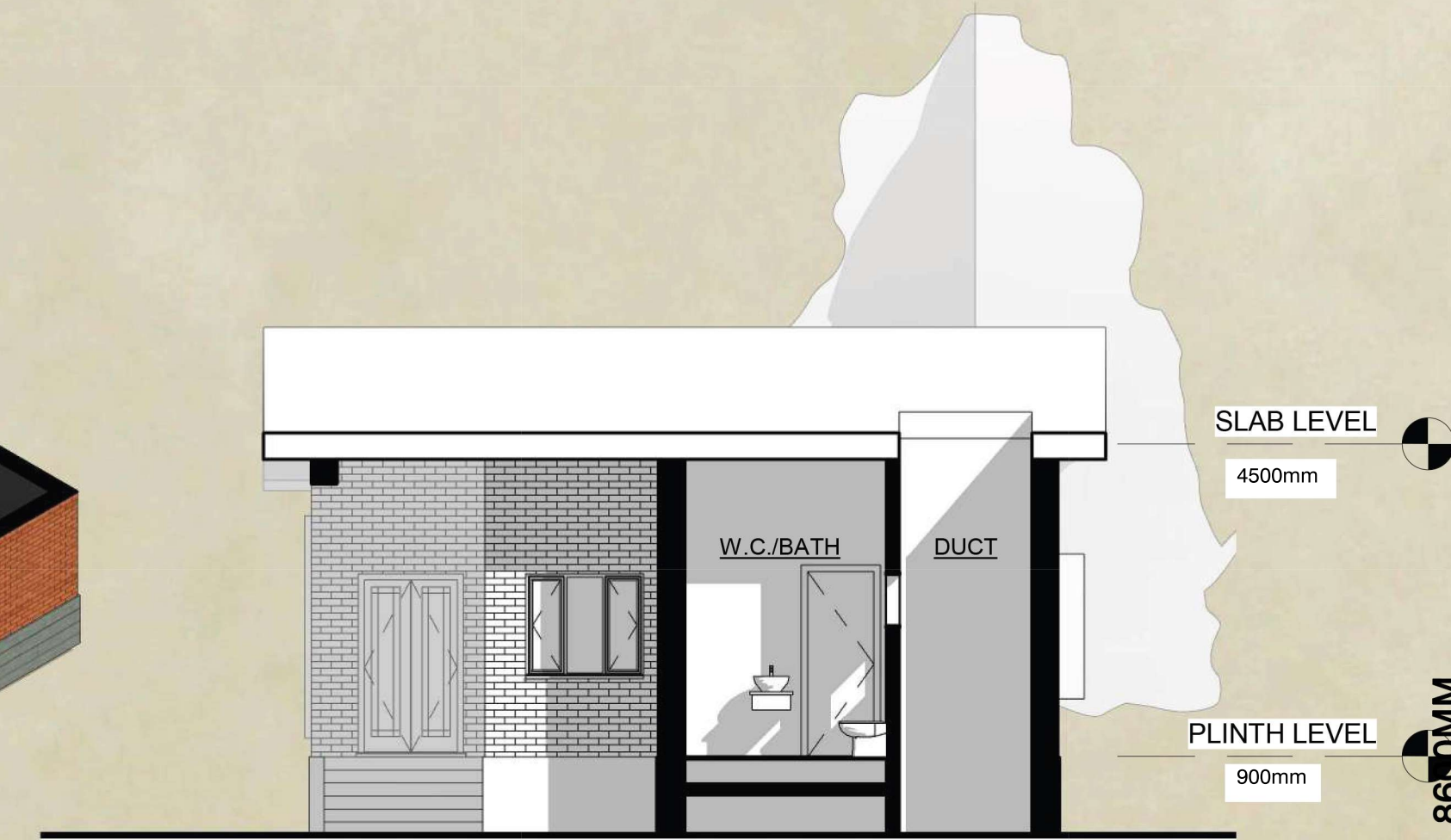
SECTION AT CC



CUT SECTION VIEW :
SINGLE-BED ROOM



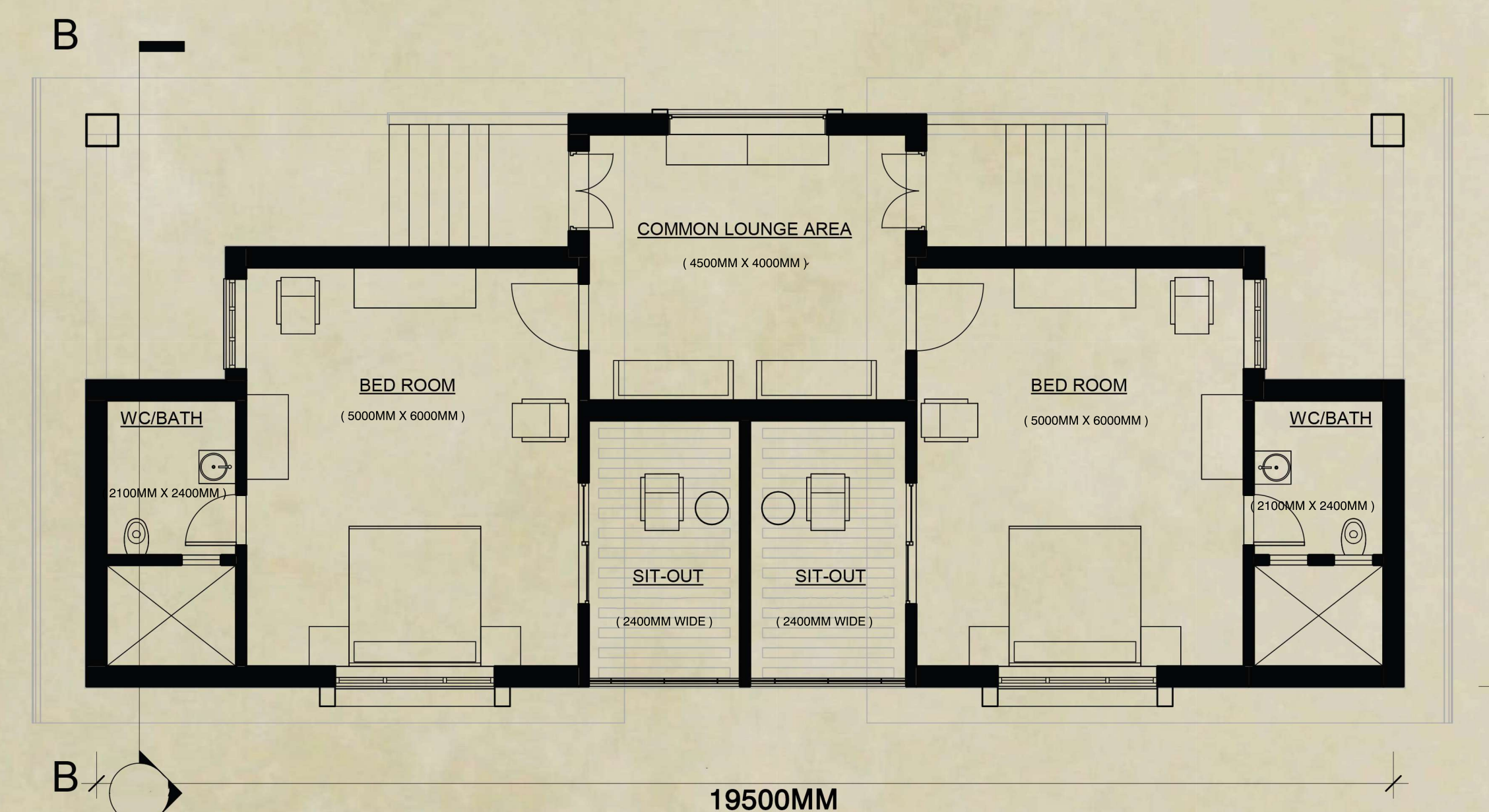
CUT SECTION VIEW :
STANADARD ROOM



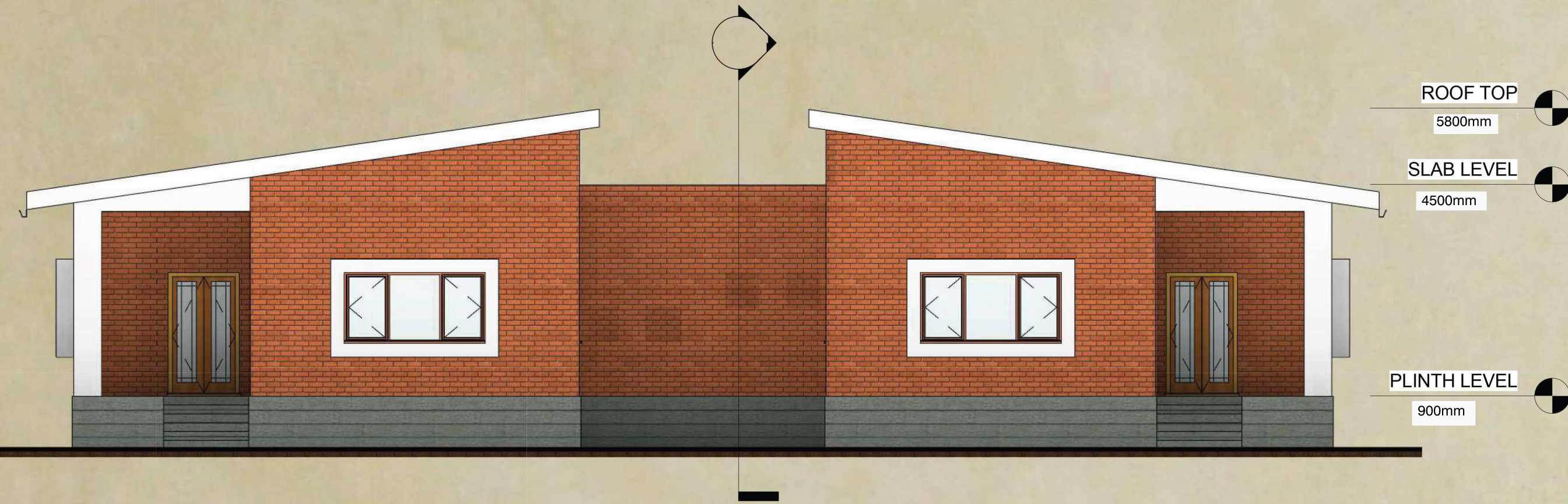
SECTION AT BB



FLOOR PLAN : SINGLE BED ROOM



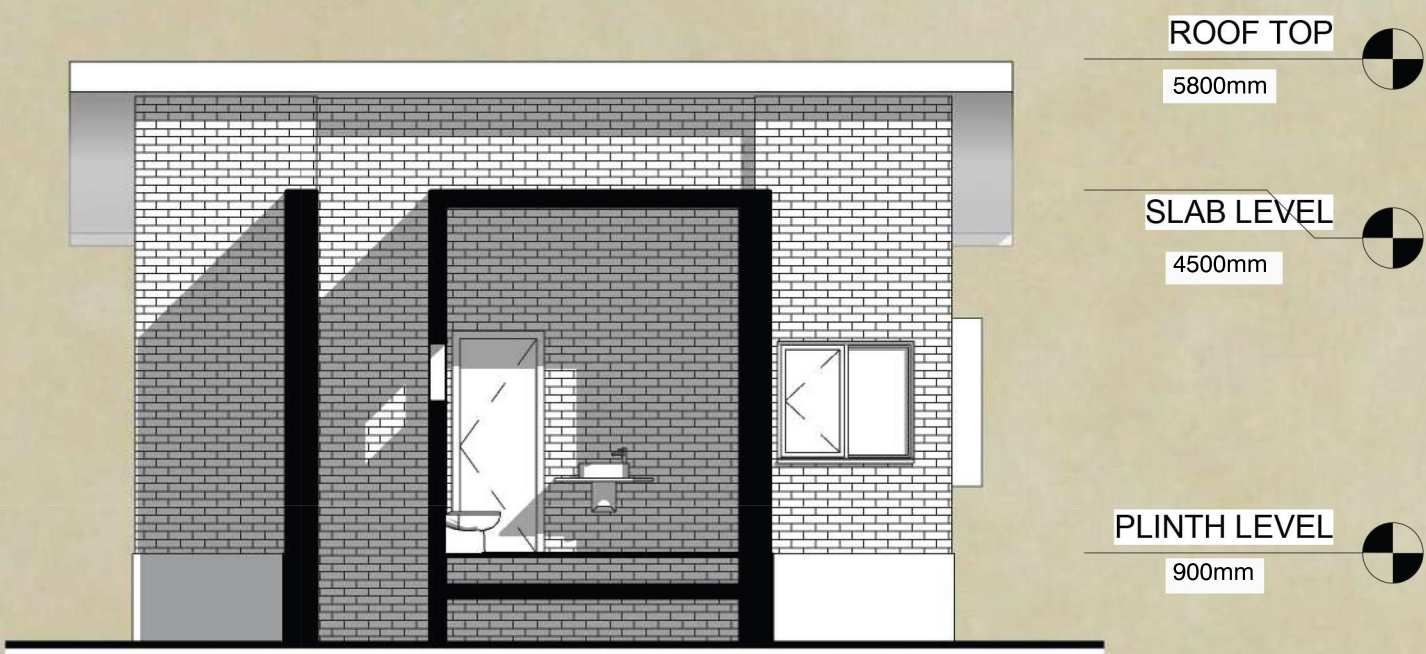
FLOOR PLAN : STANDARD ROOM



FRONT SIDE ELEVATION



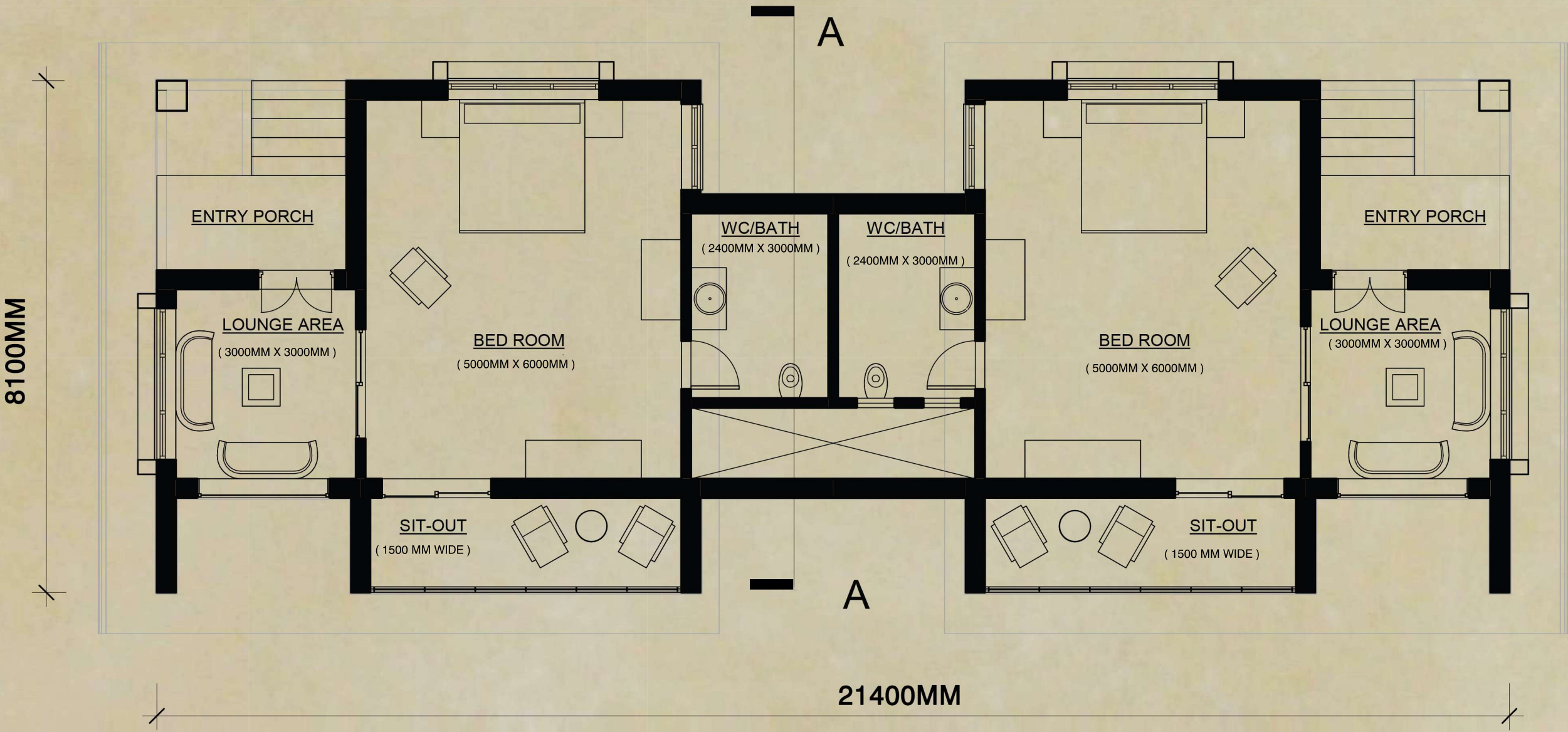
3D VIEW OF SINGLE-BED ROOM UNIT



SECTION AT AA



3D VIEW OF VILLA



FLOOR PLAN : STANDARD SUITE



3D VIEW OF DOUBLE BEDROOM SUITE