



## ATAL SMRITI VENDOR'S MARKET, RANCHI (Jharkhand)



### **BRIEF INTRODUCTION:**

Ranchi has one central main road (M.G road) which is also known as the commercial spine of the city, and is narrow and heavily congested with all types of vehicles and hawkers numbering more than thousand , nearly  $\frac{1}{4}$ th of the stretch of this road is heavily affected with nearly 500 hawkers taking up both sides of the road congesting the already narrow roads.

The Municipal Corporation and the Urban Department proposed Atal Smriti, Vendor's Market on a vacant plot in this road adjoining Jaipal Singh park, which has been designed to built total offive floors. This Vendor's market is designed on a plot of around **2 Acres** with Built-up rear of **2,95,000 Sq. Ft.**

Since it is a high valued commercial zone,so RMC has decided to design a double storeyed vendor's market with nearly 500 stalls and 3 floors above for shops and offices, a banquet hall and a roof top restaurant above to make it a revenue generating model for Municipal Corporation.

## **BASIC CONCEPT:**

Since the plot located on the front main road and an equally important rear road, so RMC decided to make it approachable from both the roads to create a through pedestrian traffic. This way none of the shop in the market feel that they are stumblingly blocked in the rear of the market.

The five storeyed building has been developed & designed around 3 atriums with polycarbonate sheet above (with air vents below it). The atriums create a visual link between all the floors as well as creating a comfortable microclimate.

The total number of 110 shops with built of area approximately ranging from 89 sq. ft. to 210 sq. ft. have been developed.

The total number of 23 offices/spaces for commercial use with built of area approximately ranging from 765 sq. ft. to 1719 sq. ft. have been developed.

2 food court, a commercial space for use of Multiplex/banquet hall and a terrace restaurant have been also developed and the same will be also leased out.



### **SPECIAL FEATURE OF “ATAL SMRITI VENDORS MARKET”**

01.	CCTV SECURITY SYSTEM.
02.	PUBLIC ADDRESSING SYSTEM.
03.	PARKING MANAGEMENT & GUDANCE SYSTEM.
04.	FIRE FIGHTING SYSTEM.
05.	LANDSCAPING & HORTICULTURE.
06.	24X7 ELECTRIC SUPPLY WITH 02NOS. 160 KVA DG.
07.	LIGHT & FAN FOR EVERY KIOSK.
08.	NATURAL LIGHT ARRANGEMENT BY VOID & ROOFING WITH TRANSPARENT POLYCARBONATE SHEET.
09.	TOTAL 85 NOS. OF TOILETS.

### **AREA & PROJECT DETAIL**

01.	LOWER BASEMENT	45435 SQ. FT.	11.	GENTS TOILET	26 NOS.
02.	UPPER BASEMENT	45435 SQ. FT.	12.	LADIES TOILET	33 NOS.
03.	GROUND FLOOR	47310 SQ. FT.	13.	ATTACHED TOILET WITH OFFICE	23 NOS.
04.	FIRST FLOOR	45100 SQ. FT.	14.	DIVYANG TOILET	03 NOS.
05.	SECOND FLOOR	45550 SQ. FT.	15.	CONTROL ROOM FOR CCTV & PA SYSTEM	03 NOS.
06.	THIRD FLOOR	44490 SQ. FT.	16.	ADMINISTRATIVE ROOM	01 NO.
07.	FOURTH FLOOR	22950 SQ. FT.	17.	ELECTRIC PANEL ROOM	09 NOS.
08.	TOTAL AREA	294240 SQ. FT.	18.	TRANSFORMER(DEDICATED)	750 KVA.
09.	OFFICE AREA AT THIRD FLOOR	30500 SQ. FT.	19.	DRAIN LENGTH (06 FT. X 05 FT.)	2500 FT.
10.	CENTRAL LOBBY	01 NO.	20.	DG 160 KVA.	02 NOS.

The building has a double basement for 300 cars and 2 wheelers with entry and exits from both the front and rear roads to reduce traffic congestion in the approach roads.

This Vendor Market has easy access for differently abled, as it has ramp on the entrance plaza and lifts for upper floors. We have also provided a toilet for differently abled person, which in a whole makes it a **Disabled Friendly Building**.

All the parking, CCTV, fire systems are controlled through a building management system control room.

The building is open from both the sides to provide the experience of a public street to the hawkers and customers, as both are used to from time immemorial. It also creates cross ventilation in the market.



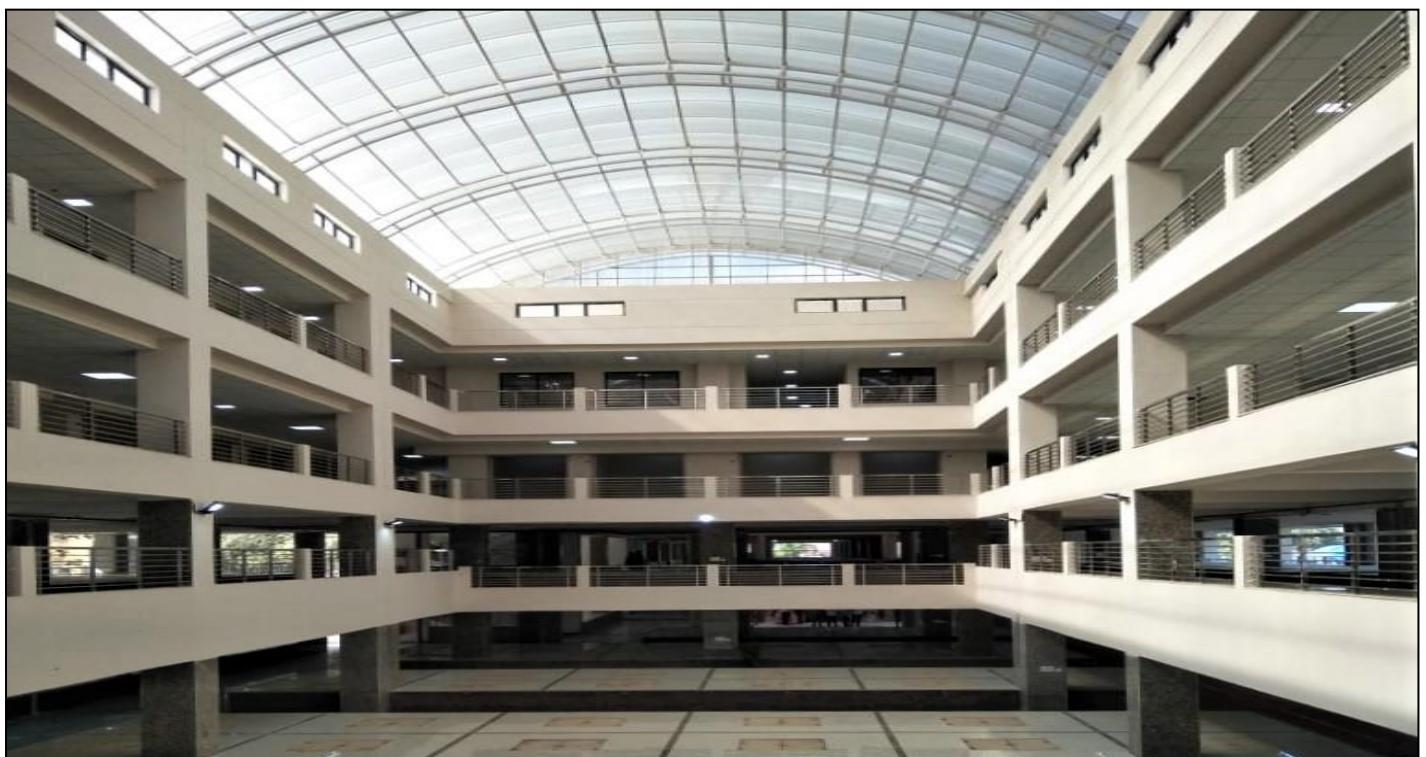
To reduce the maintenance, granite flooring has been used in all shops, staircases and covered walkways. The driveways around the building are of interlocking blocks to recharge water through the gaps.

Ranchi receives heavy rainfall. Considering this climatic aspect, The acrylic paint over textured surfaces on the outer side of the building to prevent leakage with certain areas being clad with High Pressure Laminate have been used for longevity. All open spaces available on the site have been beautifully landscaped. The **Atal Smriti, Vendor's market** was inaugurated on 4<sup>th</sup> October 2018 and will be fully functional by April 2019.

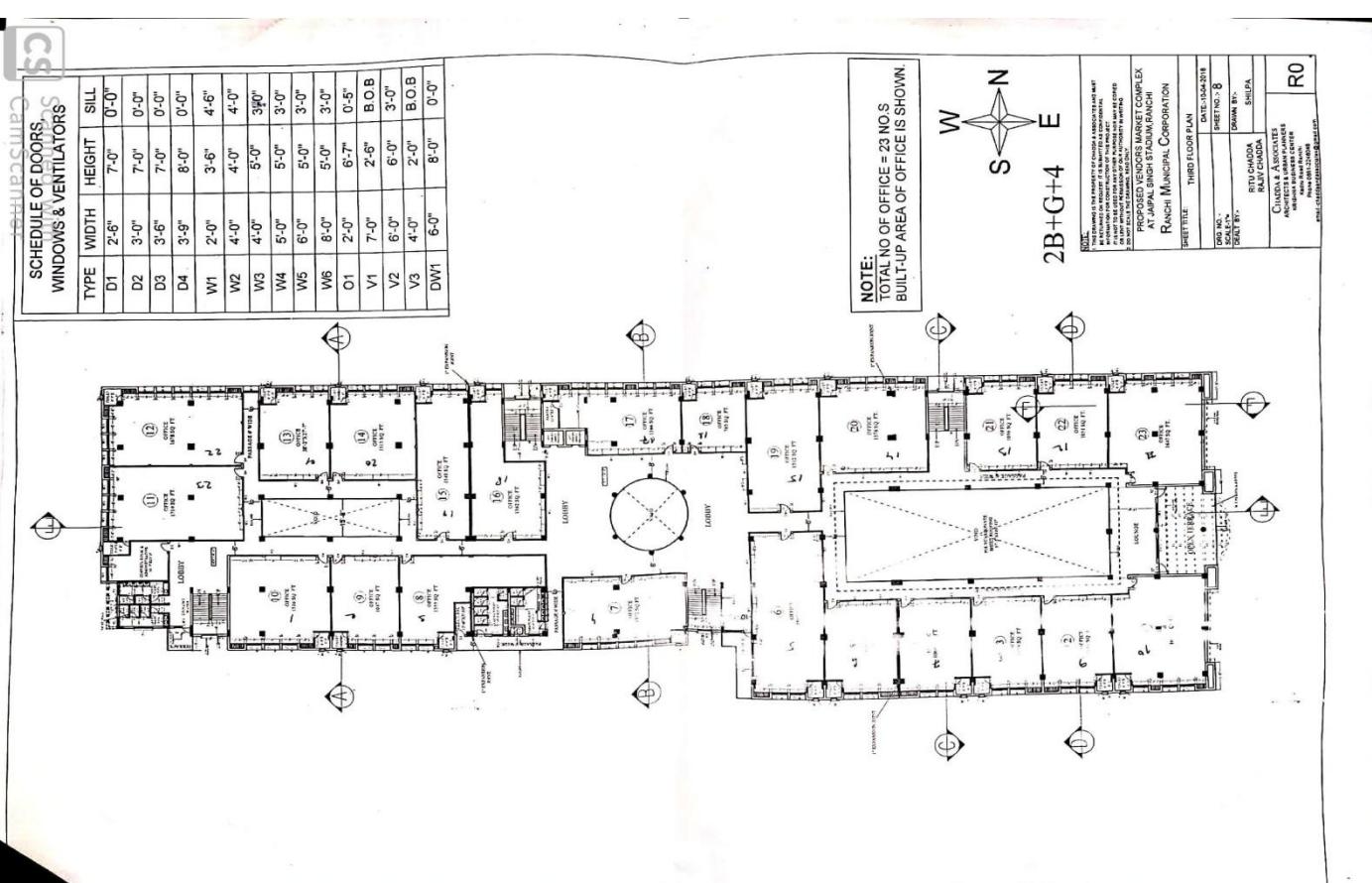
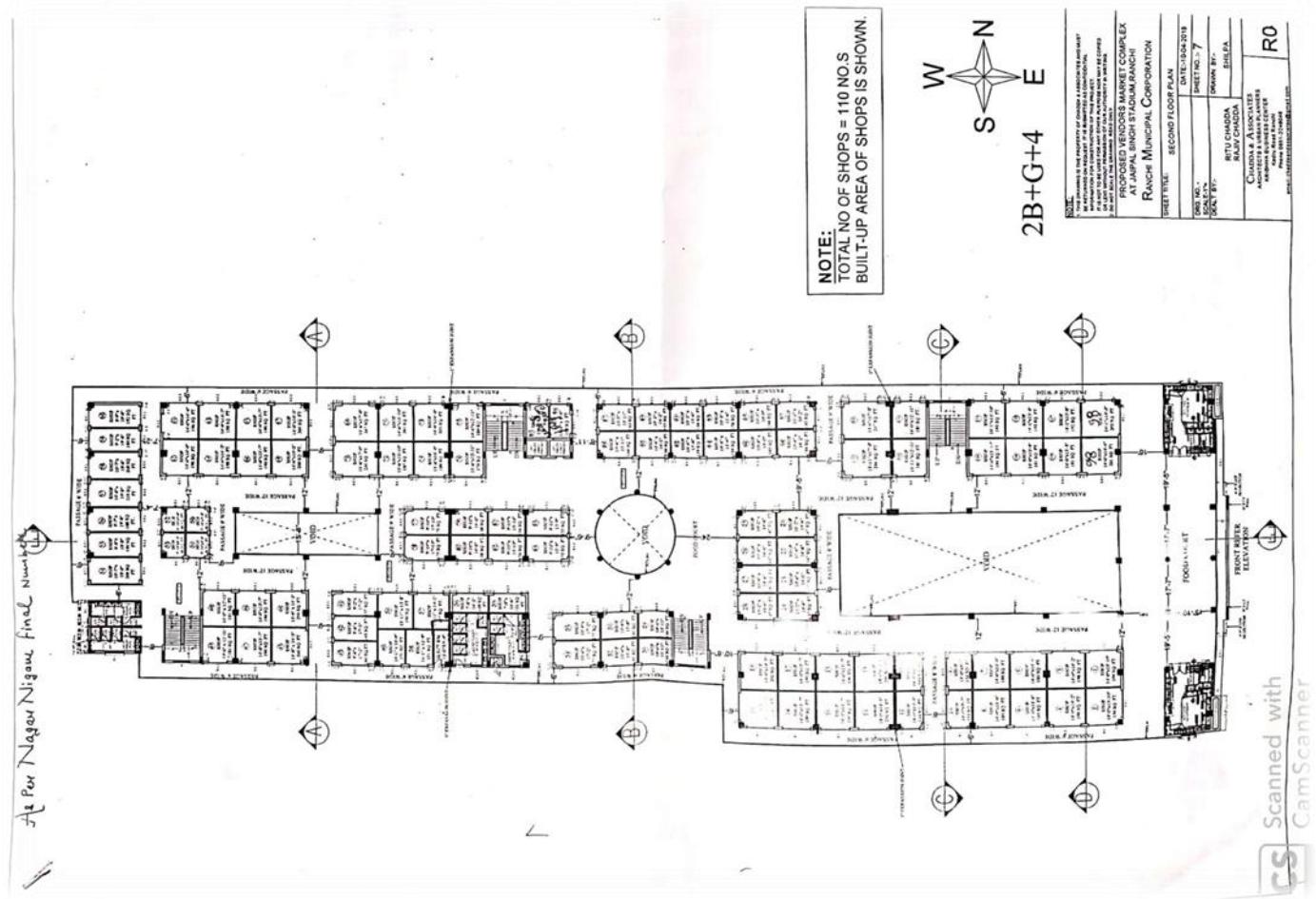


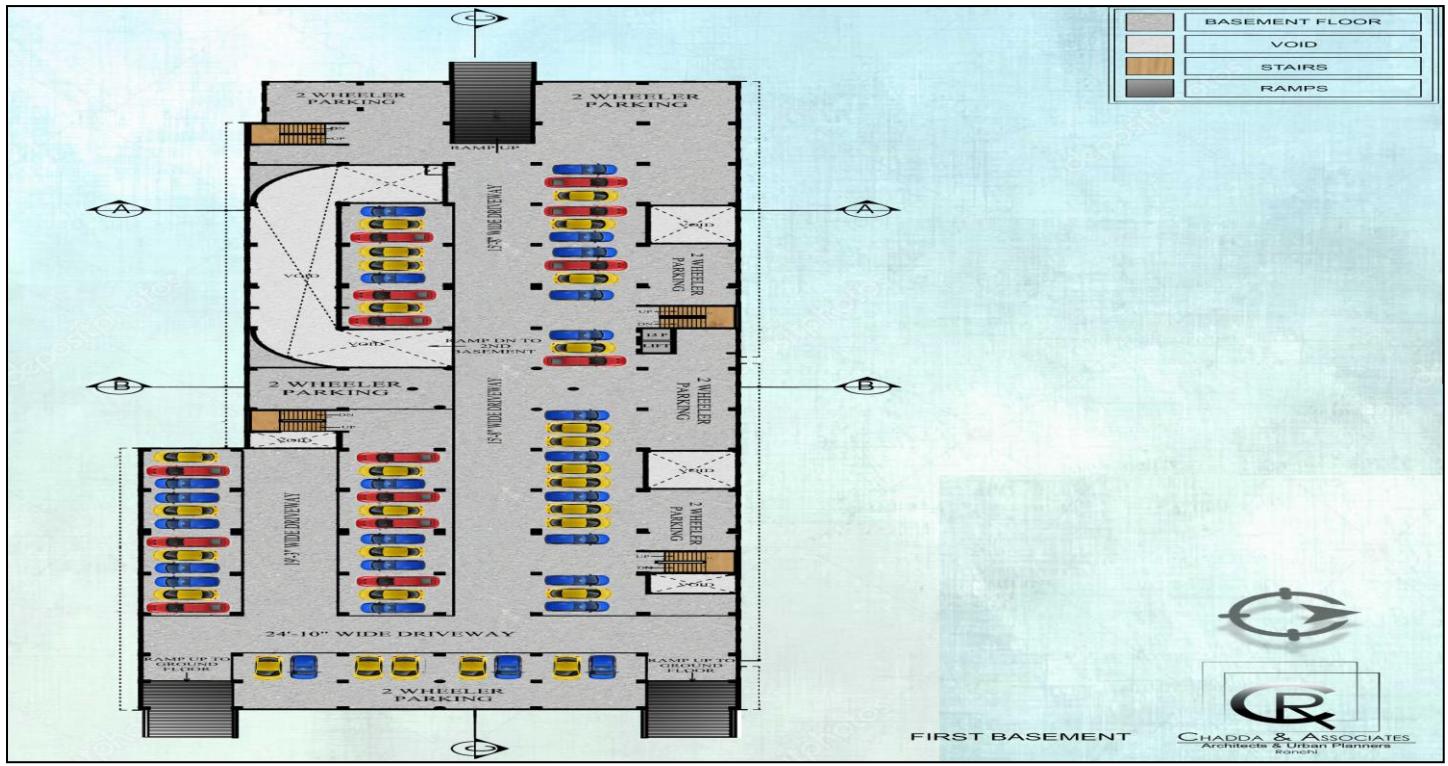


We are creating parallel narrative in architecture, where along with architectural aesthetics; we are trying to improve the life of nearly 500 hawkers, giving them space to earn their livelihood in a dignified way by providing them defined spaces for stalls, free from rain and sun, and the hardships which they had to face in the previous years.

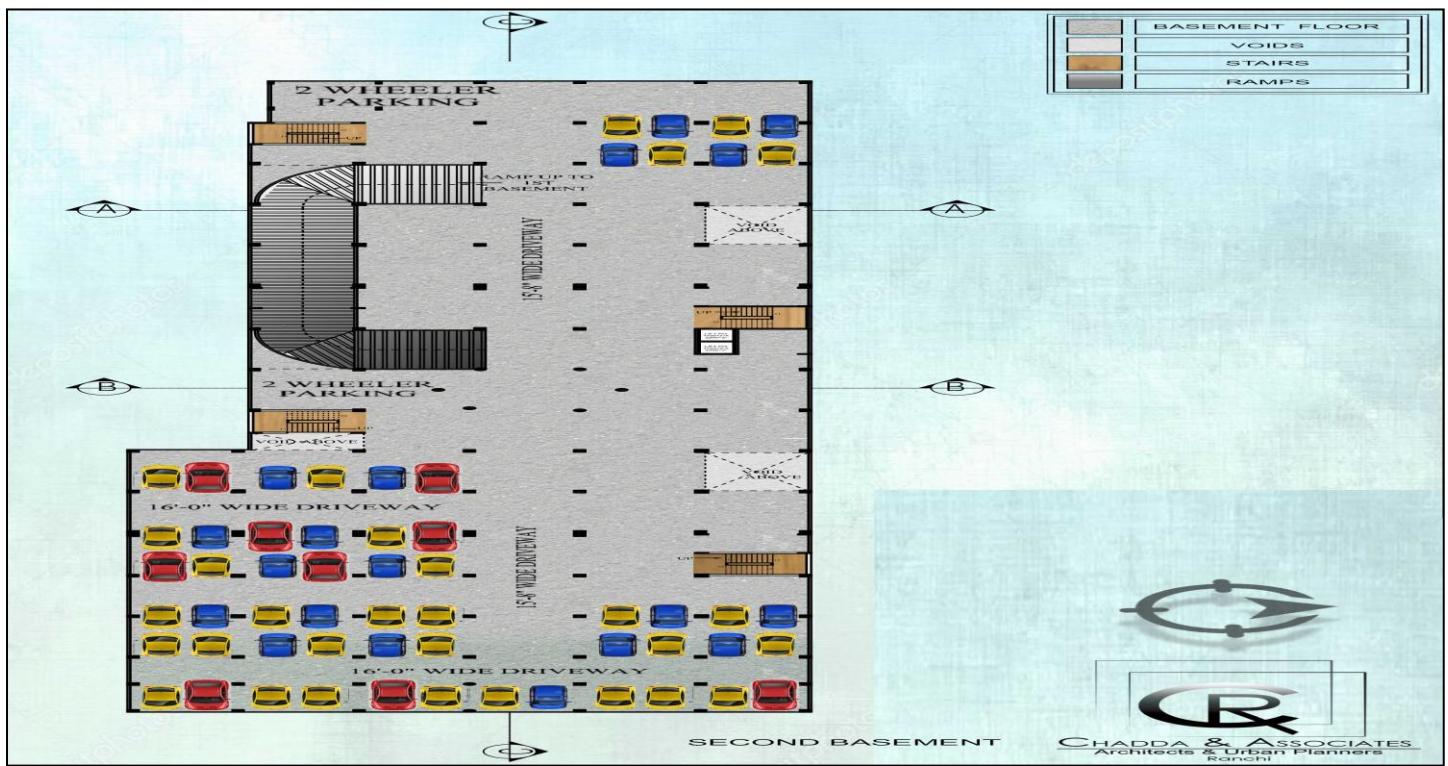


Find below the details layout of the building:-

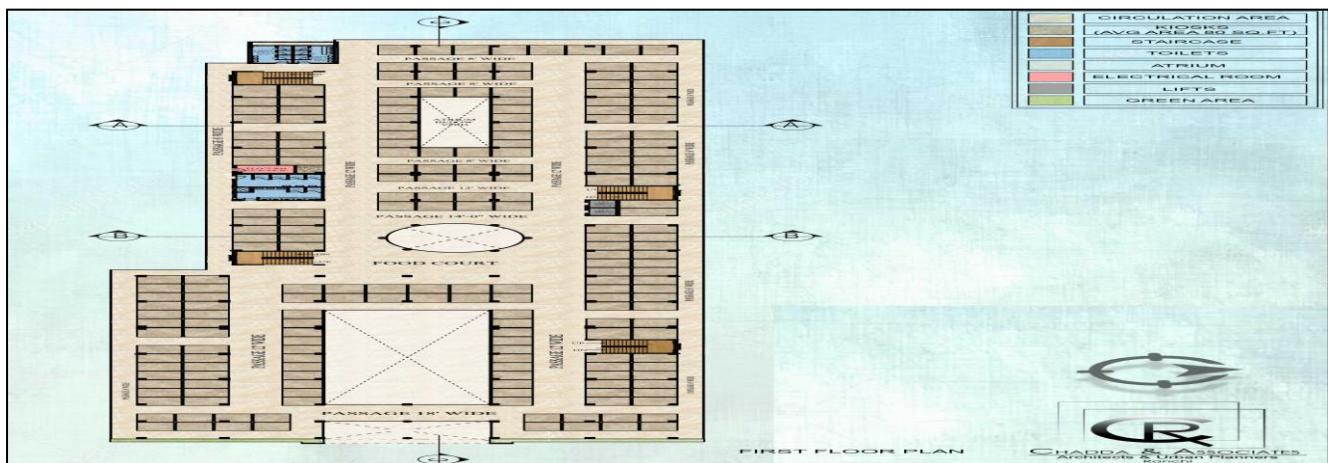




## First Basement Floor



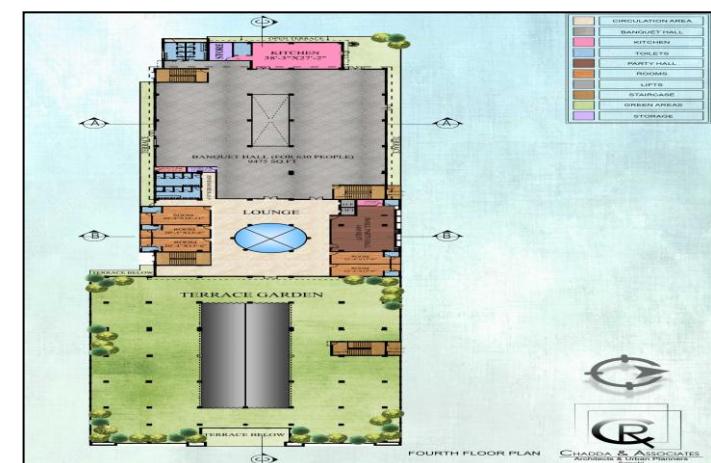
## Second Basement Floor



## GROUND FLOOR PLAN

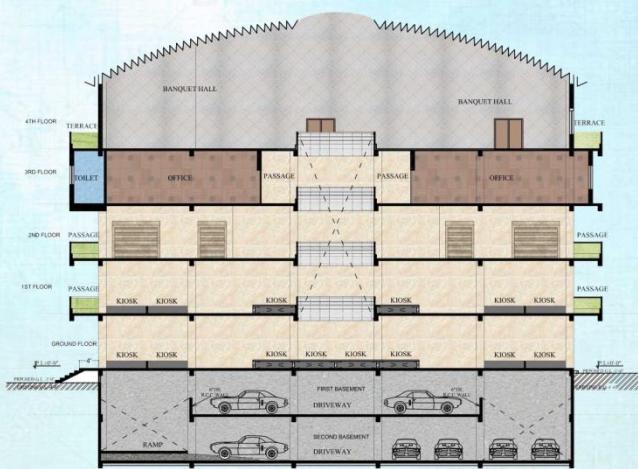


## FIRST FLOOR PLAN



## THIRD FLOOR PLAN

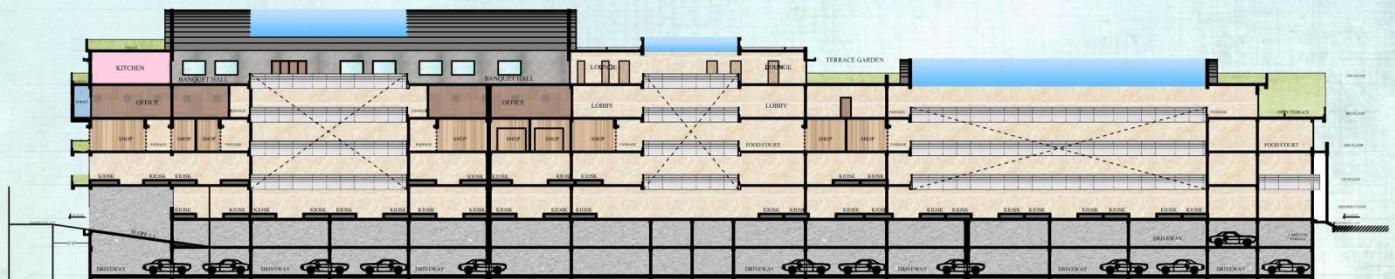
## FOURTH FLOOR PLAN



SECTION AA



SECTION BB



SECTION CC

SECTIONS



## SECTIONS