



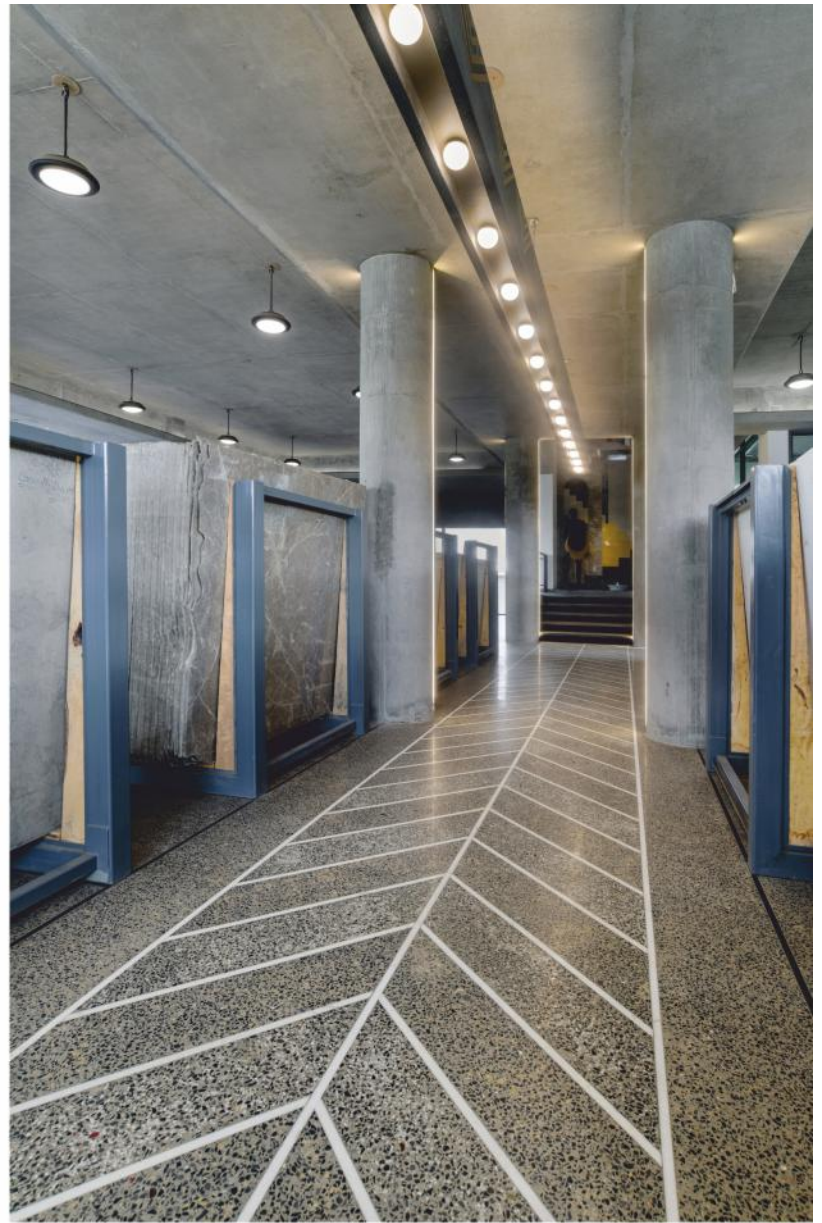
# The Constrained Design



DIPEN GADA



Dipen Gada and Associates  
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### PRINCIPAL DETAILS

Project Type	:	Commercial Building
Project Name	:	Baba Marbles
Principal Architect	:	Dipen Gada
Location	:	Vadodara, Gujarat
Client	:	Mr. Rahul Agrawal
Interior Designers	:	Dipen Gada and Associates
Civil Designers	:	Bharat Mistry
MEP & HVAC Consultants	:	Bharat Mistry, Mars Engineers, Bharat Mistry and OM Engineers
Structural Consultant	:	Prime Engineers

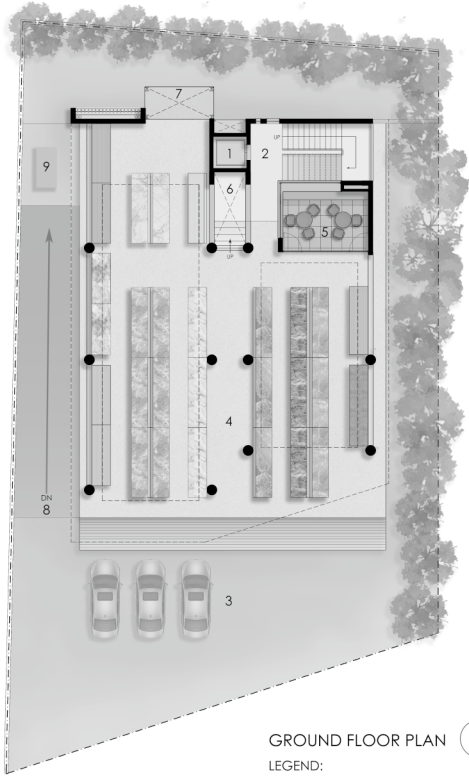
### FACT BOX

Year Built	:	2020
Site Area	:	9,805 Sq. Ft
Built Up	:	15790 Sq. Ft.
Team Design Credits	:	Samarth Savla, Prakash Prajapati
Photography	:	Sudhir Parmar

Normally for a marble or stone showroom, a well Spreaded area is most important to display a lot of variety at a stretch. But when there is lack of Spreaded area and constrain in plot size, it's a real challenge to accommodate number of variety and stock of stone at a stretch. In that case, design aspect is very crucial and one has to think differently.

At Baba Marble, we faced a challenge of constrain of land as plot area is only 9,805 Sq. Ft. After leaving the needful margin on all side, we were left with only 4,000 Sq. Ft as plinth area which in a way is very less in terms of stocking of variety of marbles. So, we decided to go vertical both ways.

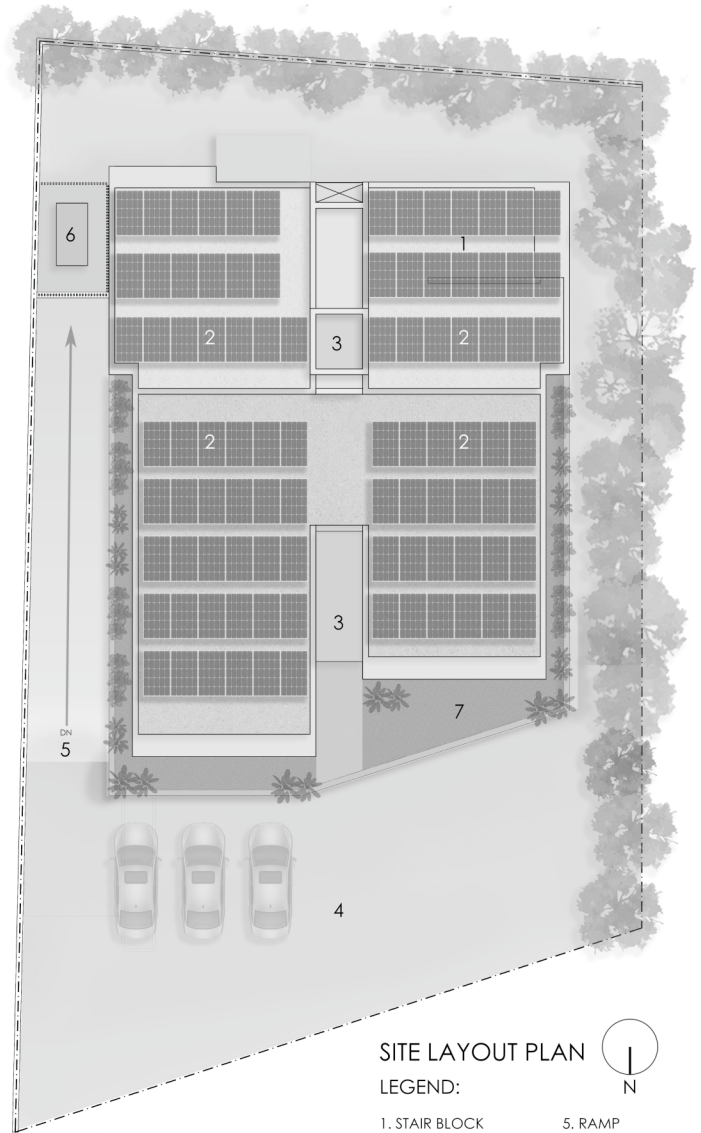
On Ground Floor, Italian marble stock is being displayed as we made structure able to withstand load of marble as well. This way we accommodated marble stock on Ground Floor and First Floor. On Second Floor, it's being used to display the variety of tiles which is a new vertical for the owner. Third Floor is utilized half for the marble articles and half is the terrace area which is for the display of marble articles along with solar roof, fulfilling need of entire building. The Basement, which is actually a parking space is also wisely used for display of various Indian Stones with various finishes on the wall. Here without violating any norms we have utilized the



GROUND FLOOR PLAN

LEGEND:

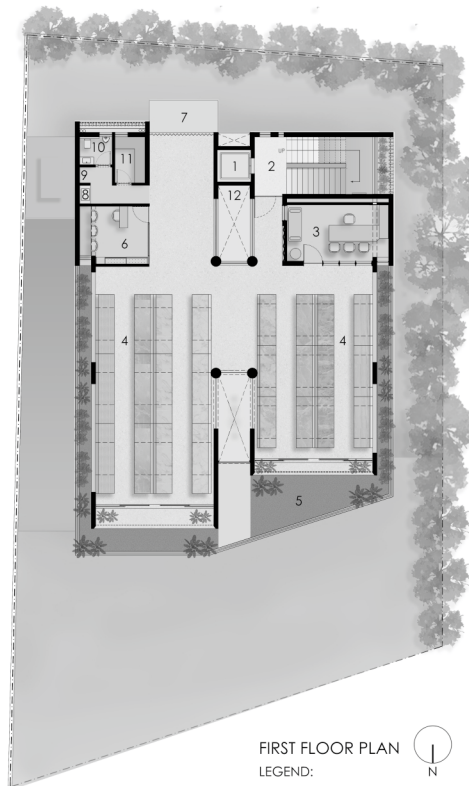
- 1. LIFT
- 2. STAIRCASE
- 3. IMMEDIATE PARKING
- 4. MARBLE DISPLAY AREA
- 5. DISCUSSION CABIN
- 6. O.T.S
- 7. GOODS LIFT
- 8. RAMP
- 9. D.G SET



SITE LAYOUT PLAN

LEGEND:

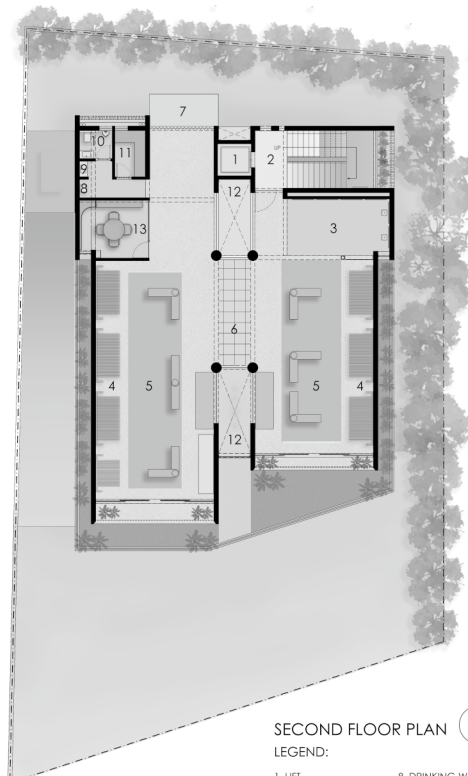
- 1. STAIR BLOCK
- 2. SOLAR PANELS
- 3. SKYLIGHT
- 4. IMMEDIATE PARKING
- 5. RAMP
- 6. D.G SET
- 7. FLOATING GARDEN ON 1ST FLOOR



FIRST FLOOR PLAN

LEGEND:

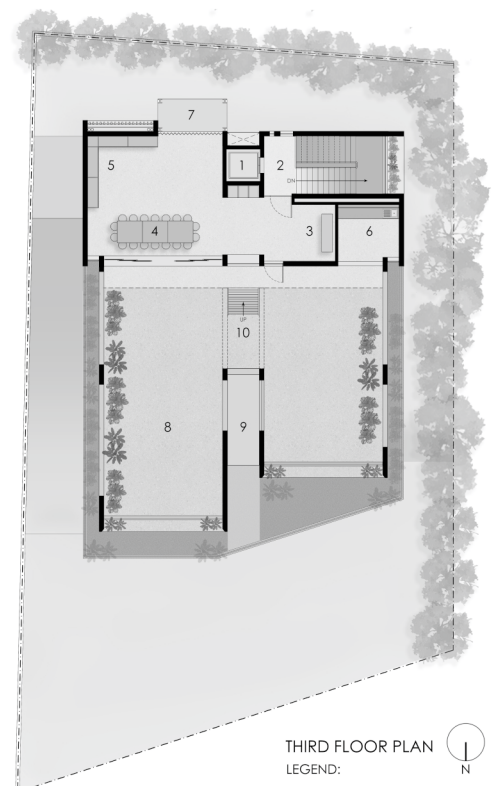
- 1. LIFT
- 2. STAIRCASE
- 3. OWNER'S CABIN
- 4. EXCLUSIVE STONE DISPLAY AREA
- 5. FLOATING GARDEN
- 6. ACCOUNT'S OFFICE
- 7. GOODS LIFT
- 8. DRINKING WATER STATION
- 9. HOUSE-KEEPING AREA
- 10. TOILET
- 11. PANTRY



SECOND FLOOR PLAN

LEGEND:

- 1. LIFT
- 2. STAIRCASE
- 3. TILES SELECTION AND DISCUSSION AREA
- 4. TILES DISPLAY AREA
- 5. CUSTOMER SEATING
- 6. GLASS BRIDGE
- 7. GOODS LIFT
- 8. DRINKING WATER STATION
- 9. HOUSE-KEEPING AREA
- 10. TOILET
- 11. PANTRY
- 12. O.T.S
- 13. STAFF AREA

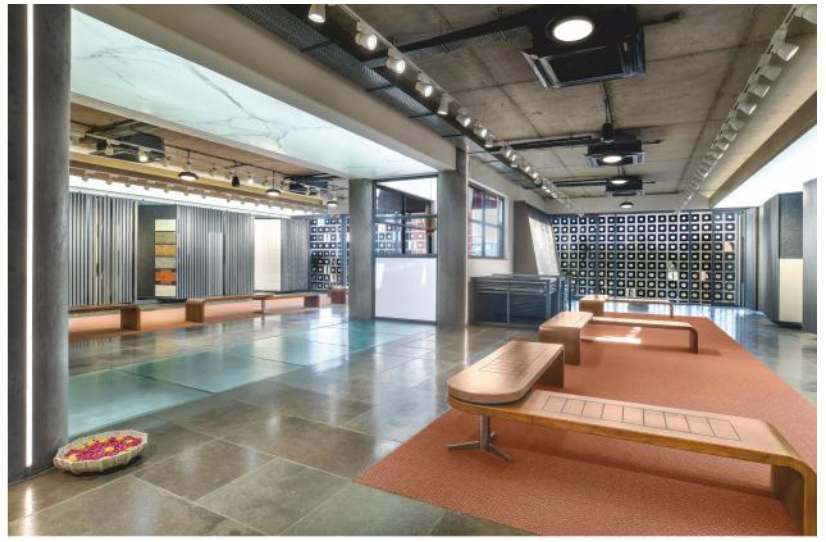


THIRD FLOOR PLAN

LEGEND:

- 1. LIFT
- 2. STAIRCASE
- 3. CUSTOMER WAITING AREA
- 4. CONFERENCE TABLE
- 5. EXCLUSIVE ARTIFACTS DISPLAY AREA
- 6. OUTDOOR PANTRY
- 7. GOODS LIFT
- 8. LOWER TERRACE
- 9. O.T.S
- 10. LADDER TO UPPER TERRACE





#### PRODUCT DETAILS

Sanitaryware : Jaquar, Gujarat Traders  
 Furniture : From China, All About Living  
 Windows : Akar Aluminium  
 Paints : Asian Paints, Karim Bhai  
 Hardware : Hettich

area for a nicer display which is serving the purpose of displaying Indian Stone detail.

The owner is very well known in the dealing of Indian Stones since years and we also wanted to promote Indian materials at its best with the variety of applications and finishes. That is being reflected in the entire development of store. The core material used in major construction is expose concrete which is meticulously detailed out in a way that it becomes the final finish of overall environment.

Along with that, stone is being utilized to enhance the beauty of store along with techniques of application which is innovatively tried out in the front screen which is kinetic in nature and fulfils multiple technical aspects. The main façade is facing to North, enables us to play with glass openings which is being covered with the stone screens which is kinetic and gives n number of textures which are automatically created by the wind. This creates a very interesting sciography and control the light as required on each floor. The cutting pattern in each stone is meticulously defined from bigger holes at lower level to smaller holes at upper level and circular pattern is being created with the use of 2 different materials which are textured Agra Stone and Burnt Black Granite.

Side façade of the building is being clad with plain and texture red Agra stone strips which gives a volumetric stone block and looks like floating on the terrace garden from first floor onwards. Two offsets and the building block is the result of cross front which is being converted into advantage into the dynamic look of the building. We have tried to use all the basic materials as much as possible in their original forms. Right from concrete to kota stone to red Agra stone. Floor wise a different characteristic is being created as per subjective use. In totality, we have tried to respect the pure form of architecture where we get the maximum natural light from each floor with adequate cut outs being given in the floor plates. This entire building is based on green architecture where minimum energy is being consumed and produced by solar panels which fulfil the need of total power consumption.