



VELOX AUTOMATION

Architectural & Interior Design for factor Building

Client:	Velox Automation
Site Location:	Sachin GIDC, Surat
Plot Size:	3277 sq yards / 2740 sq m
Construction Area:	47,998 sq ft / 4459 sq m
Cost of Project:	Confidential
Year of Completion:	2025
Services:	Architecture & Interior Design
Firms Involved:	EssTeam



Velox Automation Pvt. Ltd., established in 1997, is a leading company offering a wide range of solutions in Industrial Automation, Digitalization, IoT, and software services. With expertise spanning Electrical Switchboards, Turnkey Projects, and Trading of Industrial Components, Velox also provides innovative Smart City Solutions. The company has built a strong reputation for delivering cutting-edge technologies and customized systems across industries. Its state-of-the-art manufacturing facility is located in an Industrial Park near Surat, ensuring high-quality production and seamless project execution. Velox continues to drive growth and efficiency for clients through its integrated and future-ready automation solutions.





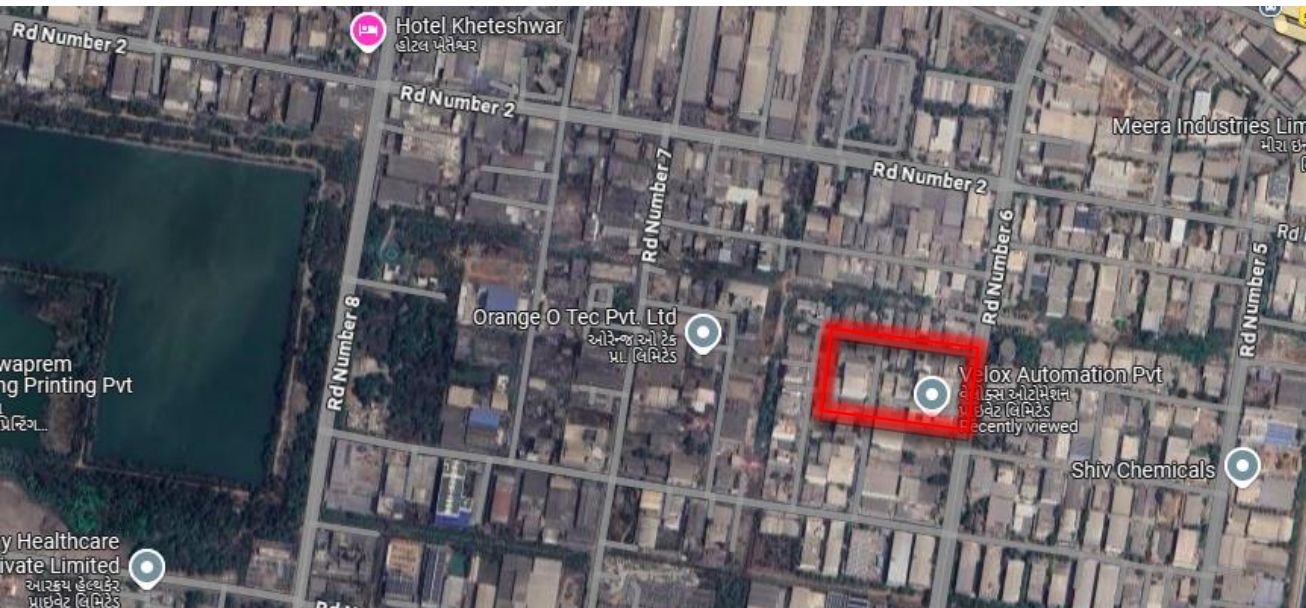
THE SITE:

The founders and owners of the company approached us with a vision to expand their business multifold, and also help them design an infrastructure that would complement their vision. Further, with increase in scale, to nearly triplicate their manufacturing output, they also looked this as an opportunity to upgrade their systems and culture.

They decided to undertake the renovation of its existing factory, in an industrial park and construct a new building in the same premises, and eventually connecting both, so as to work as a single seamless manufacturing unit.

The basic brief was to accommodate parking on the ground floor of the new building, and have three floors of production facilities on the upper floors, with staff dining facilities on its terrace. The ground floor of the existing building was to be converted to use for goods management and storage, the upper floor to be retained for production, and the terrace to have an additional floor for executive offices.

The existing administration, accounts, project and sales offices were to be redesigned so as to improve the ambience and upgrade the facilities. So, we set sail on this adventure to fulfil the aspirations of this growing company which is known for chasing excellence. Dealing with the tight site in terms of area as well as the condition of the existing building, and the idea to connect the two, was likely to become the key challenges that we would face in the design process!



THE PROJECT

LARGE EXPANSION IN THE TIGHT SITE



RESOLVING VARIOUS KIND OF GOODS AND PEOPLE'S MOVEMENT



EXTENSION AND REVAMPING A NEARLY 20 YEARS OLD EXISTING FACTORY



ADDRESSING THE FUTURE NEEDS OF BUSINESS AND CULTURE SHIFTS





EXISTING PLAN

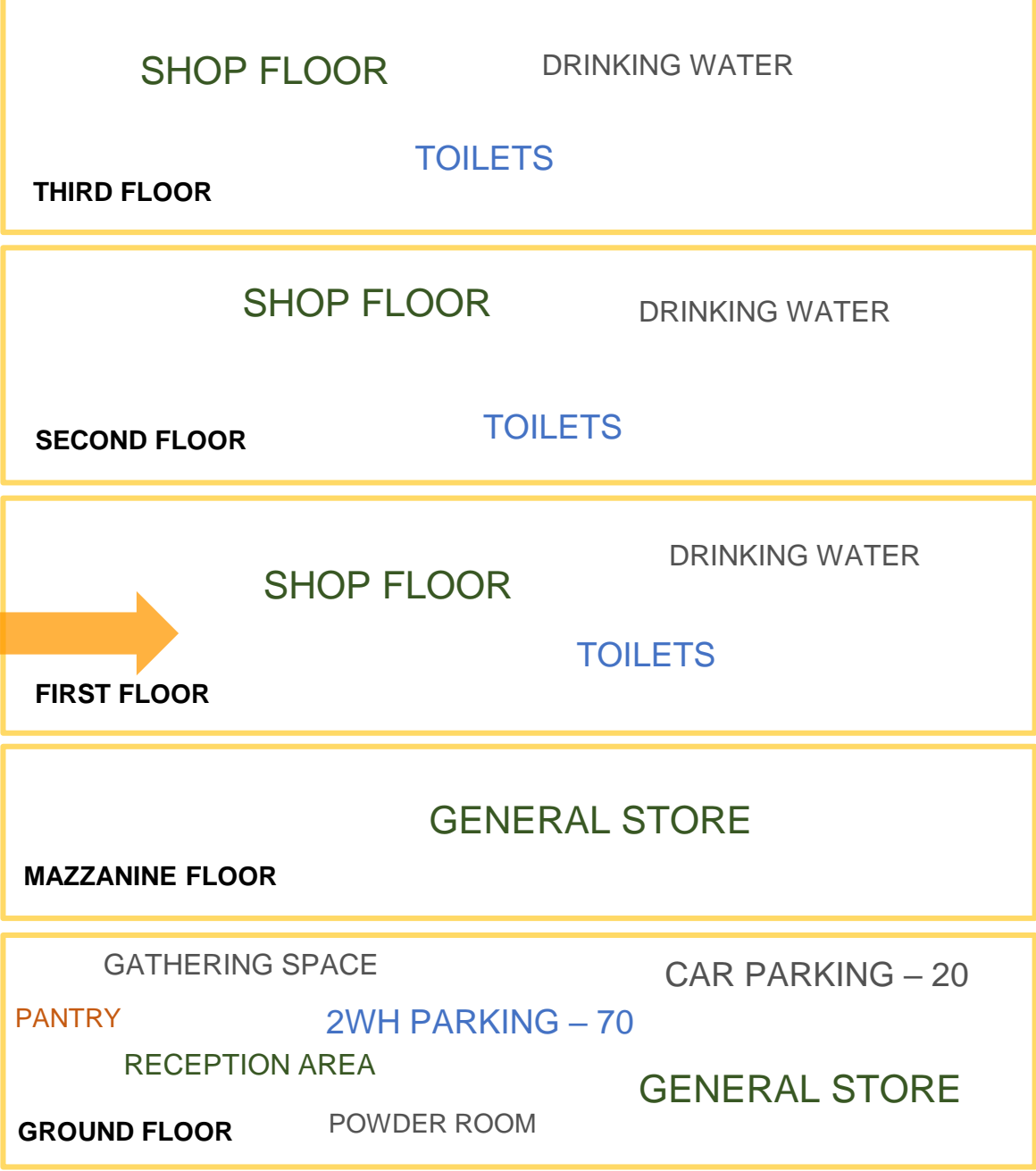
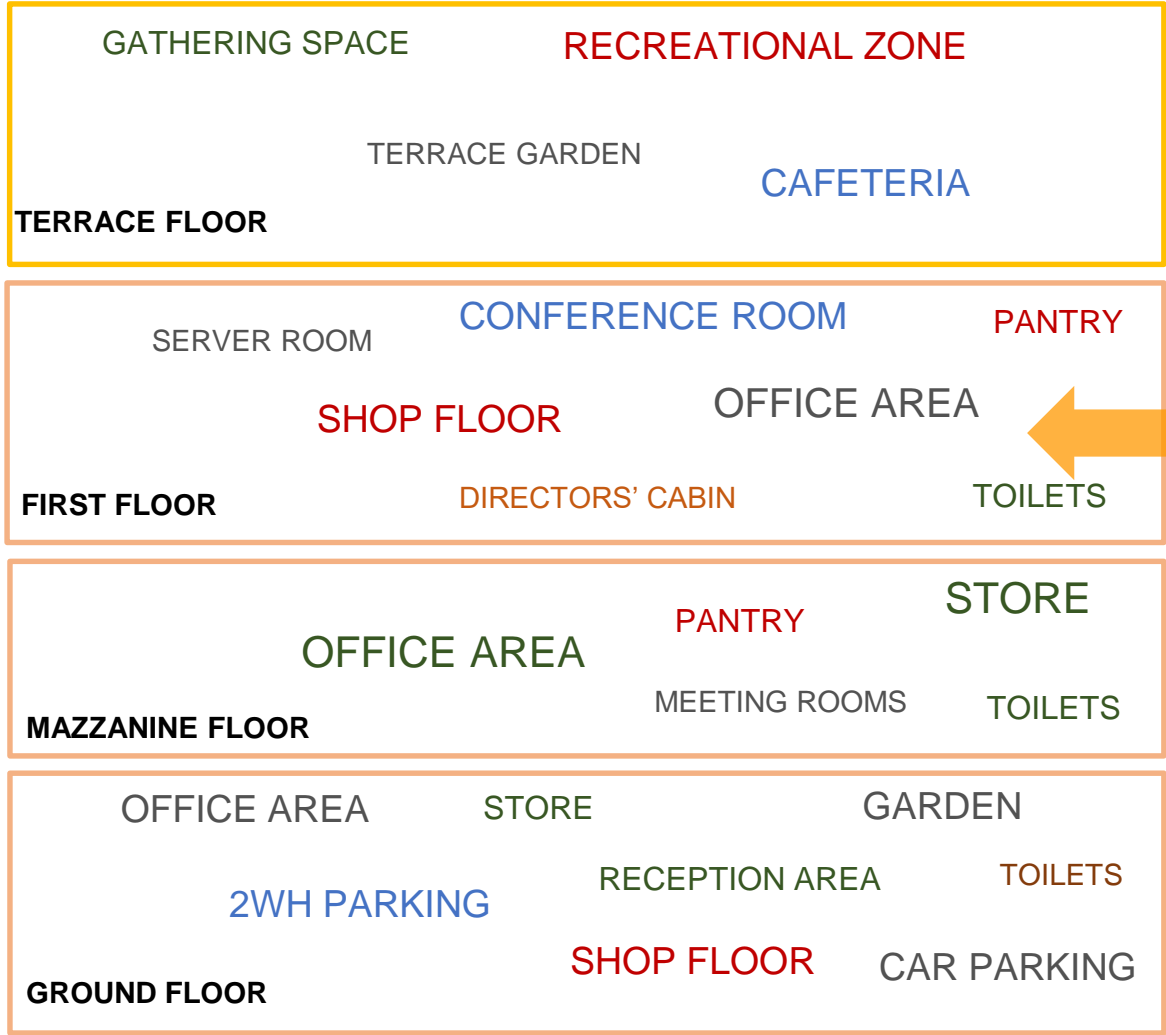
LARGE EXPANSION IN THE TIGHT SITE

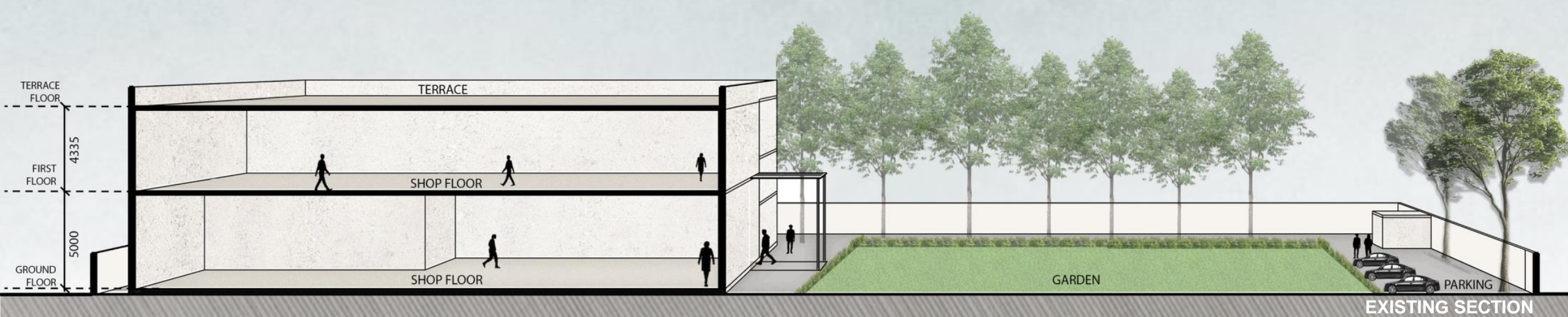
EXISTING BUILDING

NEW CONSTRUCTION
@EXISTING BUILDING

NEW BUILDING

NEED 28,917 SQFT AREA FOR NEW CONSTRUCTION





EXISTING SECTION



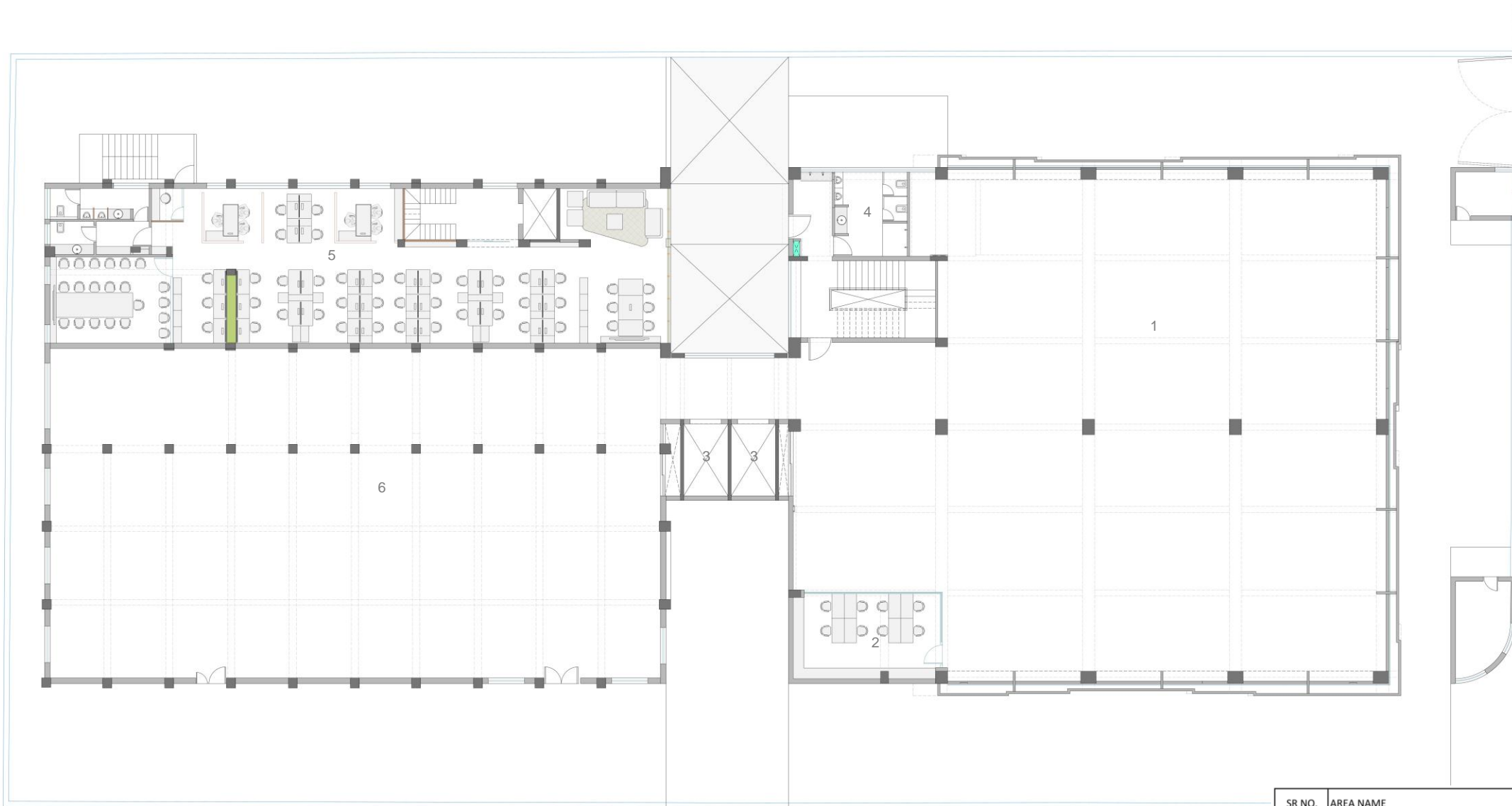
OLD BUILDING

NEW BUILDING

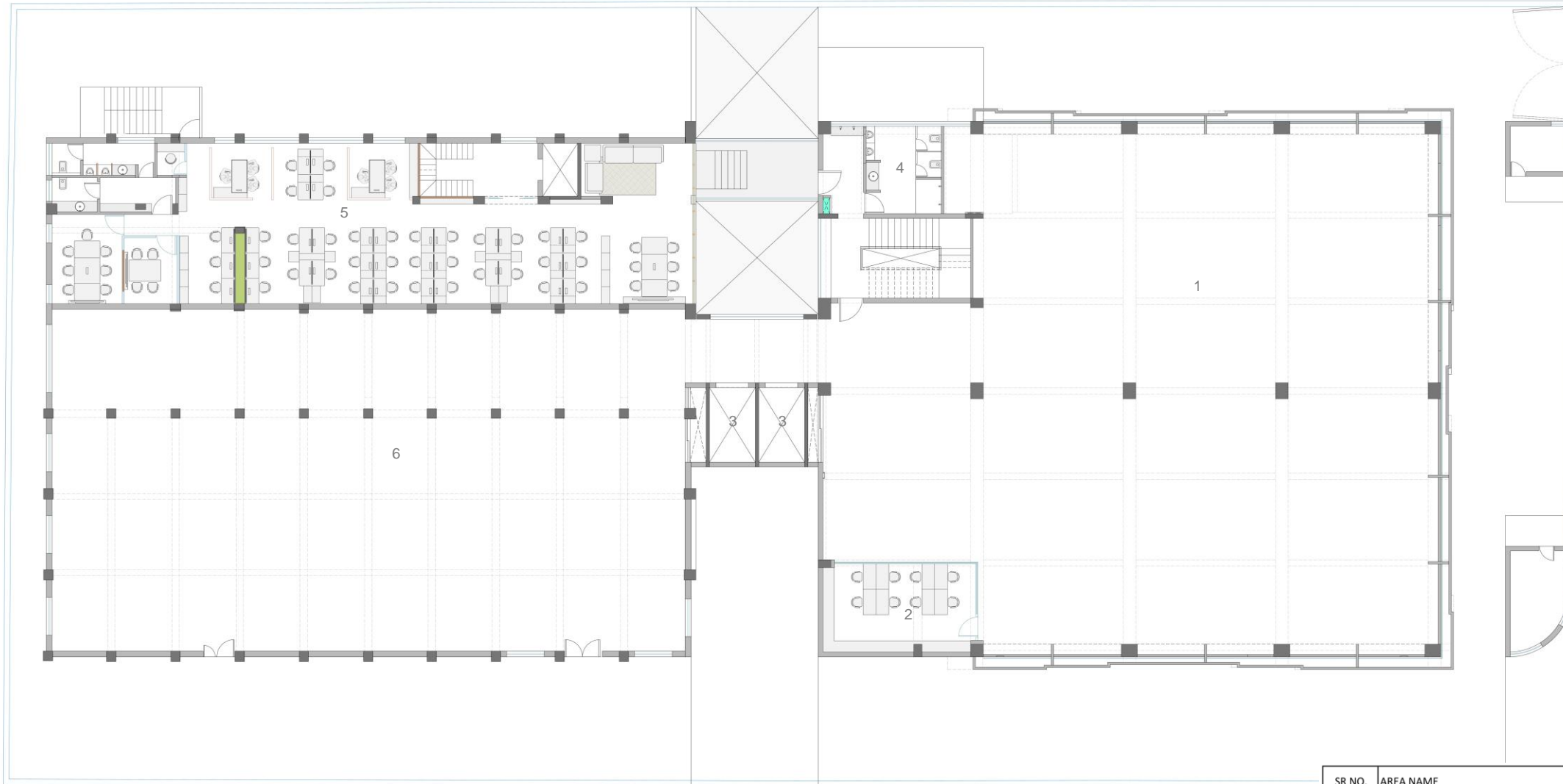
EXPANSION WING SECTION



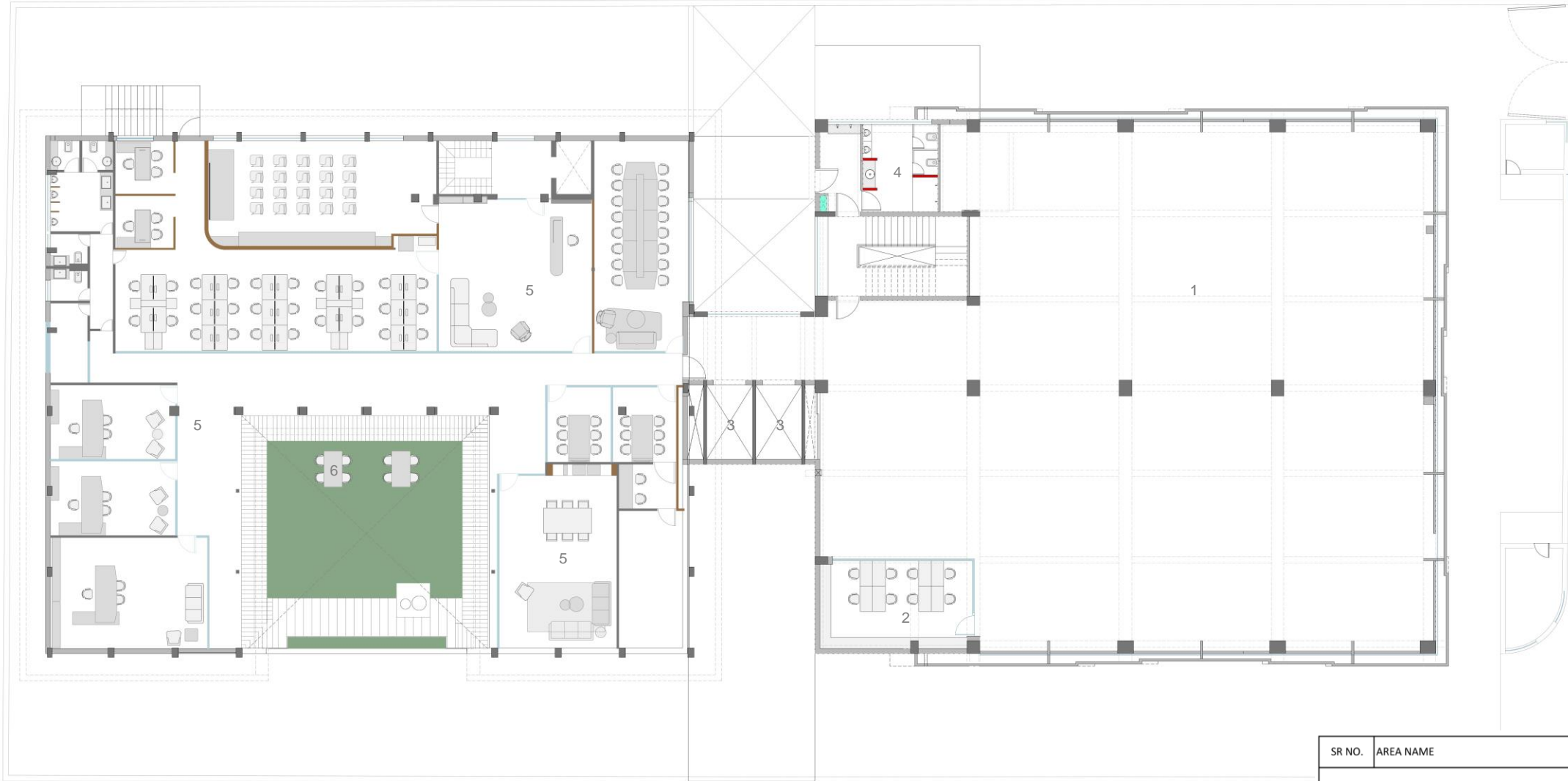
SR NO.	AREA NAME	ROOM SIZE	
		MM	FEET
1	CAR PARKING	18000 X 18220	59'-0" X 59'-9"
2	ZWH PARKING	4740 X 10235	15'-6" X 33'-6"
3	ZWH PARKING	8000 X 18220	26'-3" X 29'-9"
4	RECEPTION AREA	20000 X 6475	65'-6" X 21'-3"
5	POWDER ROOM	8940 X 4135	29'-3" X 13'-6"
6	PANTRY	1855 X 1650	6'-0" X 5'-6"
7	SECURITY TOILET	1935 X 2000	6'-3" X 6'-6"
8	SECURITY AND TURNSTILE	1255 X 2000	4'-0" X 6'-6"
9	LOCKER + CHANGING ROOMS	4200 X 4360	13'-9" X 14'-3"
10	FINISH GOODS LOADING ZONE	4200 X 11550	13'-9" X 38'-0"
11	LIFT	4740 X 6010	15'-6" X 19'-9"
12	STORE ROOM	6000 X 14810	19'-8" X 48'-6"
13	GOODS UNLOADING ZONE	2100 X 3580	7'-0" X 12'-0"
14	OFFICE AREA	29900 X 15140	98'-0" X 53'-0"
15	GENERATOR AND SCRAP ZONE	8990 X 5830	29'-6" X 19'-3"
		29900 X 7580	98'-0" X 24'-9"
		23095 X 5798	75'-9" X 19'-0"



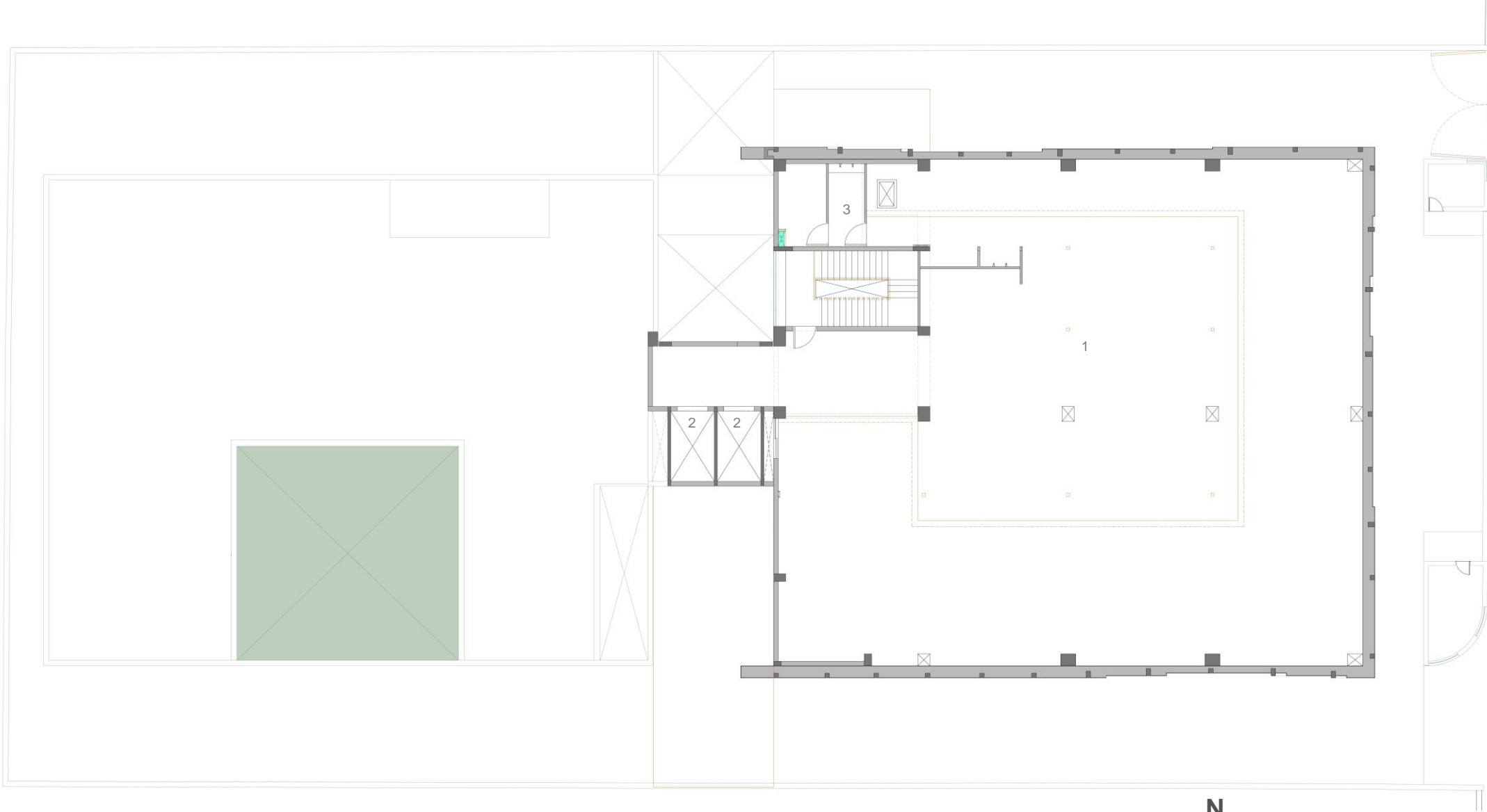
SR NO.	AREA NAME	ROOM SIZE	
		MM	FEET
1	PRODUCTION HALL	28910 X 25061	94'-10" X 82'-3"
2	OFFICE	4196 X 7220	13'-9" X 23'-8"
3	LIFT	2100 X 3580	7'-0" X 12'-0"
4	WASHROOM	3550 X 4132	11'-8" X 13'-7"
5	OFFICE	30240 X 7580	99'-3" X 24'-10"
6	SHOP FLOOR	29900 X 16140	98'-1" X 52'-11"



SR NO.	AREA NAME	ROOM SIZE	
		MM	FEET
1	PRODUCTION HALL	28910 X 25061	94'-10" X 82'-3"
2	OFFICE	4196 X 7220	13'-9" X 23'-8"
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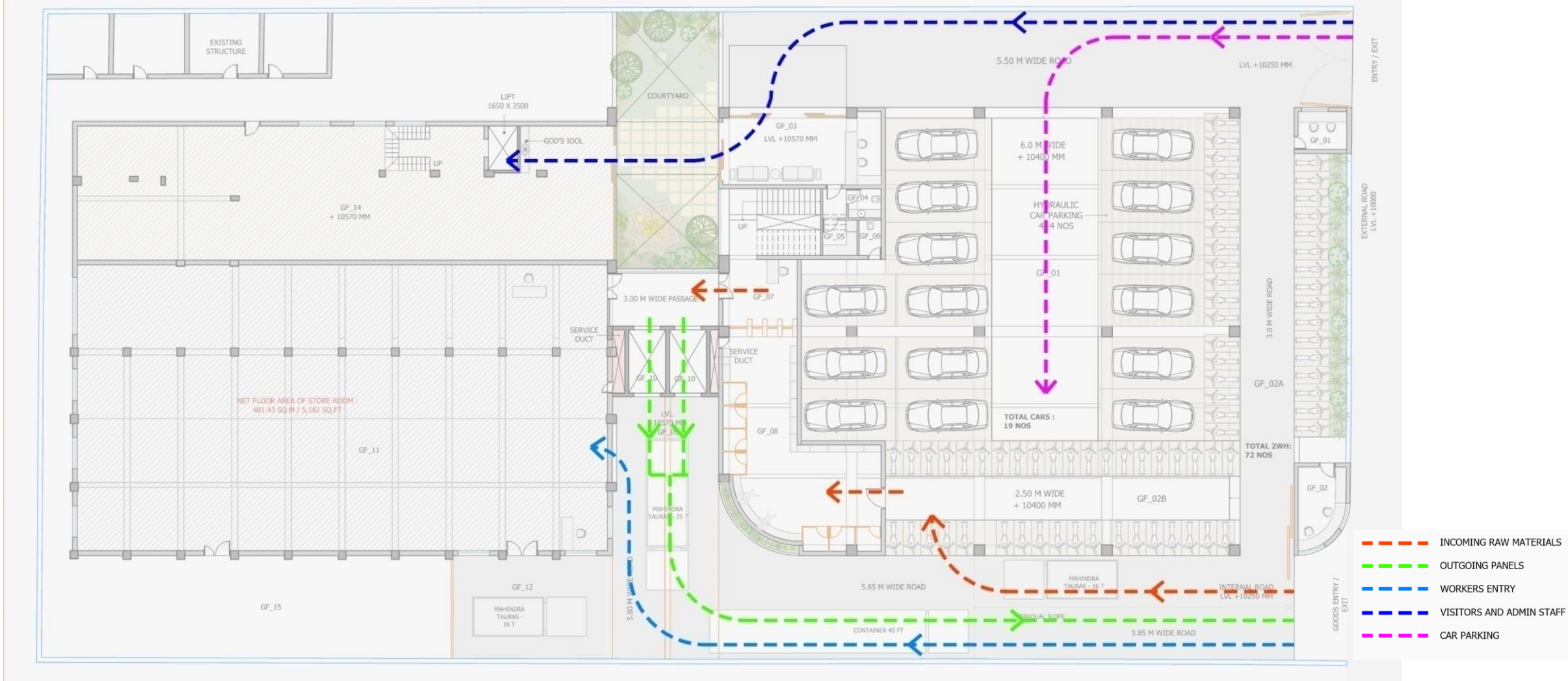
SR NO.	AREA NAME	ROOM SIZE	
		MM	FEET
1	PRODUCTION HALL	28910 X 25061	94'-10" X 82'-3"
2	OFFICE AREA	4196 X 7220	13'-9" X 23'-8"
3	LIFT	2100 X 3580	7'-0" X 12'-0"
4	WASHROOM	3550 X 4132	11'-8" X 13'-7"
5A	OFFICE AREA	30240 X 7580	99'-3" X 24'-10"
5B	OFFICE AREA	13985 X 9050	45'-11" X 29'-8"
5C	OFFICE AREA	13946 X 8910	45'-9" X 29'-3"
6	COURTYARD	11035 X 11650	36'-2" X 38'-3"



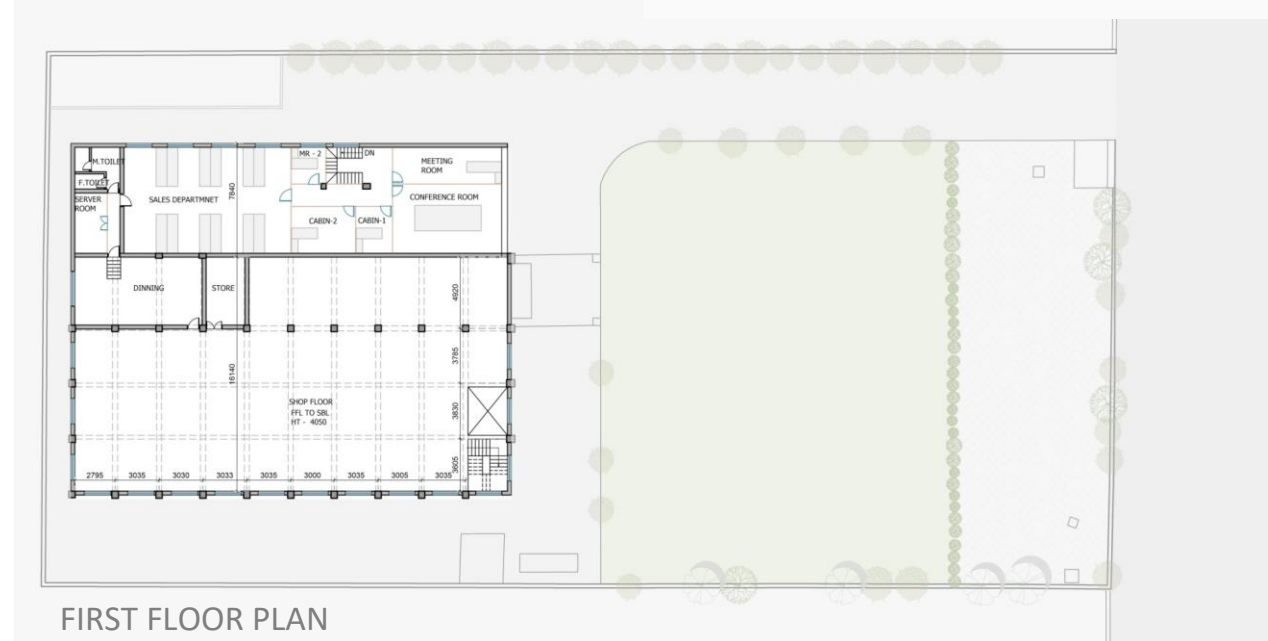
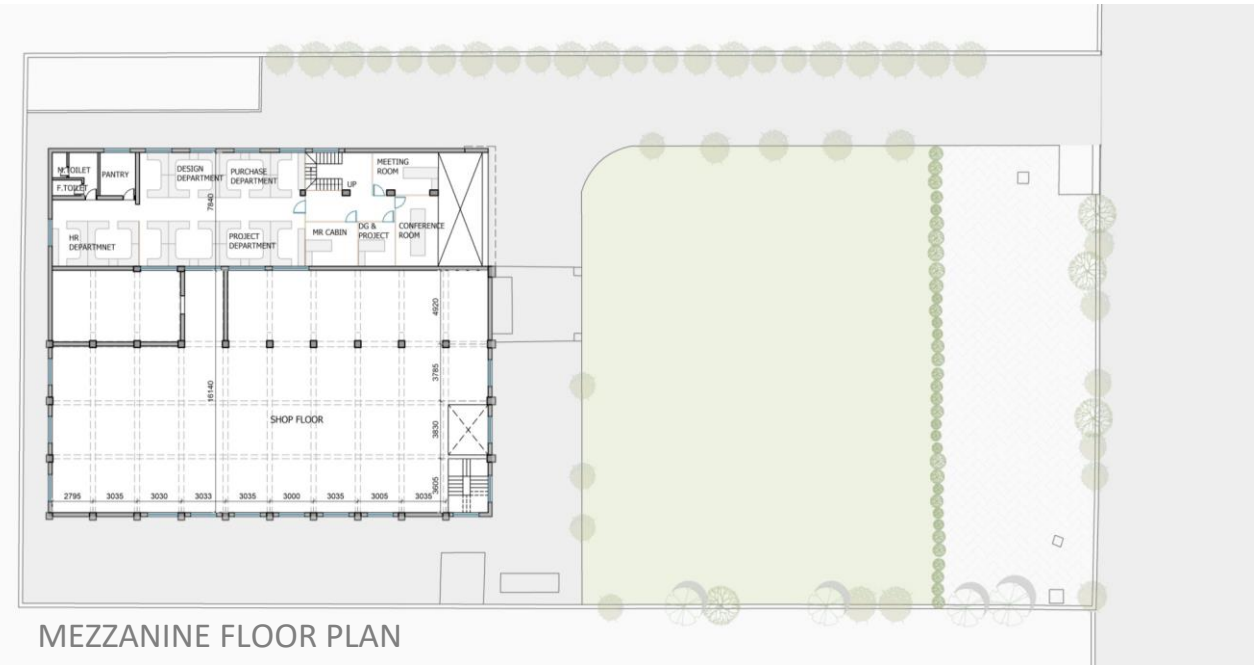
SR NO.	AREA NAME	ROOM SIZE	
		MM	FEET
1	STAFF DINING AREA	15975 x 15169	52'-5" x 49'-9"
2	LIFT	2100 x 3580	7'-0" x 12'-0"
3	WASHROOM	3550 x 4132	11'-8" x 13'-7"

FOURTH FLOOR PLAN

LARGE EXPANSION IN THE TIGHT SITE

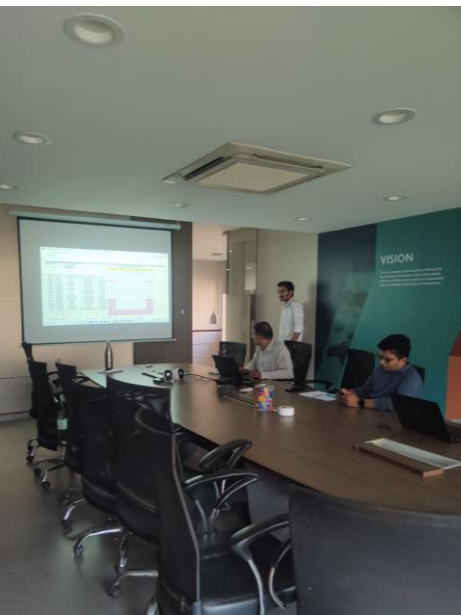


With very limited space for movement, one of the most interesting challenge was to manage smoothly the movement for Raw Materials coming to the factory, the finished goods i.e. the large panels leaving the factory, the factory staff movement, the office staff movement, the executives movements, and the various kinds of visitors. The challenge intensified with large panels being assembled on various floors across the two buildings, and they need to move vertically till they are docked into the delivery vehicle. So, a bridge was planned connecting the old and the new building, and one side of the bridge has two large goods elevators, ensuring the smooth movement. These elevators open on either side to further optimise the movement at various levels. For peoples movement, two appropriately designed foyers have been created separating the factory staff movement from the rest.



EXISTING FLOOR PLANS

EXTENSION AND REVAMPING A NEARLY 20 YEARS OLD EXISTING FACTORY



This 20-year-old factory was recently upgraded to increase its production capacity by three times. A new building was added, and the layout of the existing one was changed to improve how things work. The ground floor of the new building is used for staff and visitor parking, while the upper floors have a well-planned assembly line for making electrical panels. The ground floor also now holds central storage and the administration and accounts teams. In the existing building, the top floor is used by the design, technical, and sales teams. An extension was added above it for the executive area, which includes directors' cabins, workstations, a training room, and a boardroom. Since the structure couldn't hold the weight of a regular floor, this new executive area was made using a lighter fabrication method. The floor is built in a 'C' shape, with a courtyard in the center that is the highlight of the space, allowing natural light and creating a peaceful, open feel. On top of the new building, a shaded terrace has been made into a large dining area for all staff, bringing everyone together and creating a friendly, community atmosphere.

SPACE EXPANSION

EXTENSION AND REVAMPING A NEARLY 20 YEARS OLD EXISTING FACTORY

 essteam



ENERGETIC ORANGE

This space is designed for the Training Center and Sales–Management Workstations, including executive cabins, a boardroom, and a lounge for directors. The concept uses bold orange furniture with sleek forms to give a modern and active vibe. Collaborative orange desks and flexible seating support group discussions and focused tasks. The ceiling is painted in warm orange and features dynamic lighting for a well-lit and energetic environment. The setup is functional, organized, and reflects a vibrant, executive-level workspace suitable for high-level meetings and daily operations.

SOPHISTICATED YELLOW

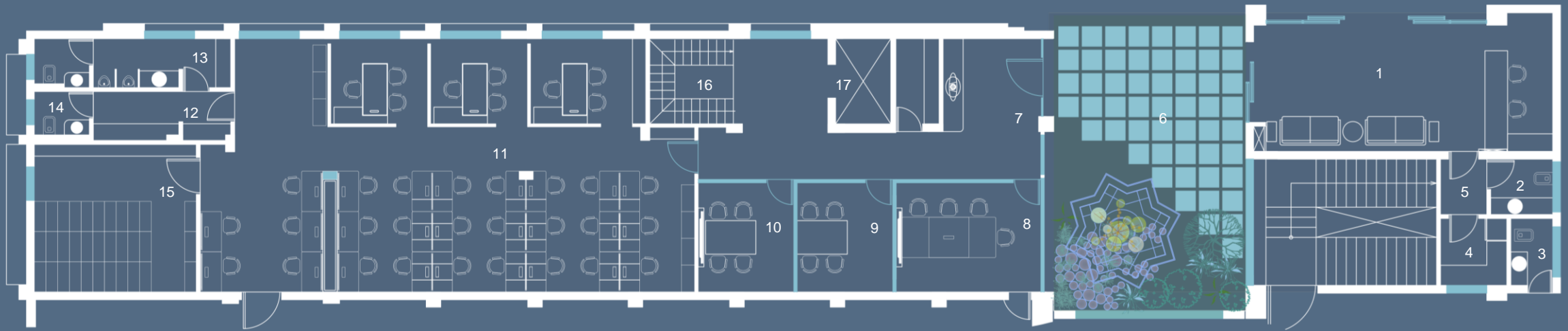
This workspace is planned for the Design, Projects, Digitalization, and Sales teams. It includes yellow-toned furniture with metallic accents for a polished look. Executive desks in rich yellow shades are paired with plush seating. The ceiling is finished in deep yellow with spotlights to maintain a well-lit, focused environment.

EARTHY GREEN

This workspace is designed for the Project Team. It features green-toned furniture inspired by nature, with white accents for contrast. Green workstations with comfortable seating support daily tasks. The ceiling is finished in green with recessed lighting to create a calm and focused environment suitable for project-based work.

VIBRANT BLUE

This workspace is designed for departments like HR, Accounts, Purchase, and Execution. The concept uses shades of blue with white accents to create a professional and organized environment. Blue desks and partitions define work areas clearly, while ergonomic chairs ensure comfort during long hours. The ceiling is finished in blue with modern lighting fixtures to maintain uniform brightness. The overall setup focuses on functionality, clarity, and comfort to support the day-to-day operations of these core teams.



LEGEND

- | | |
|----------------------|--|
| 1. Reception | 10. Meeting Room -03 |
| 2. Washroom | 11. HR – Accounts – Purchase – Execution Workstation |
| 3. Driver's Washroom | 12. Pantry |
| 4. Store | 13. Male Washroom |
| 5. Passage | 14. Female Washroom |
| 6. Landscape | 15. Record Room |
| 7. Foyer | 16. Staircase |
| 8. Meeting Room - 01 | 17. Lift |
| 9. Meeting Room -02 | |



FOYER



RECEPTION & WAITING AREA



RECEPTION & WAITING AREA



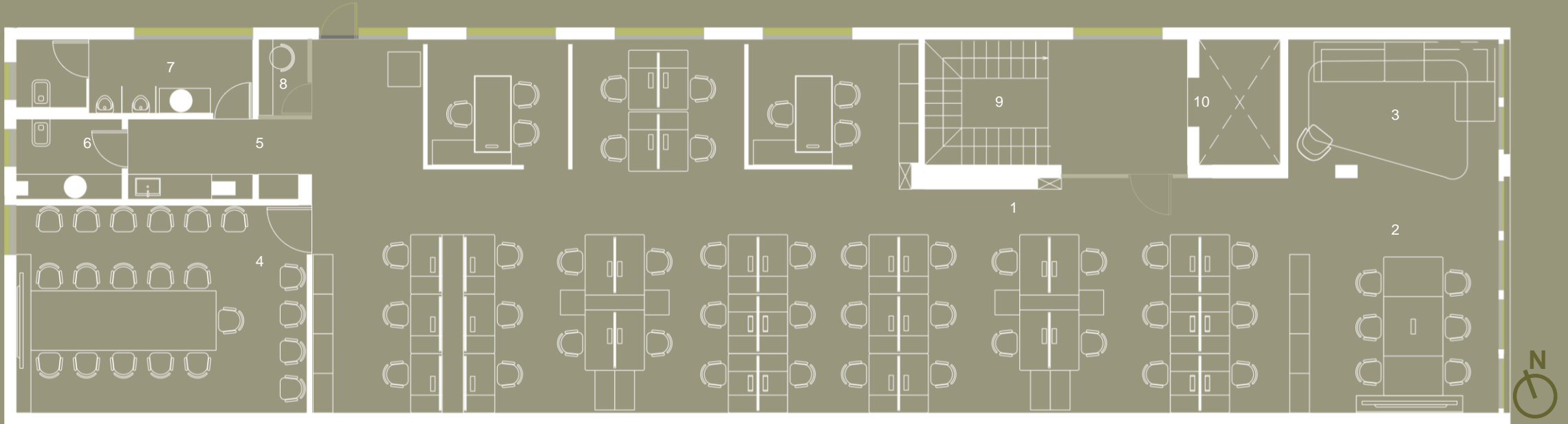
FOYER



GROUND FLOOR WORKSTATION



GROUND FLOOR WORKSTATION



LEGEND

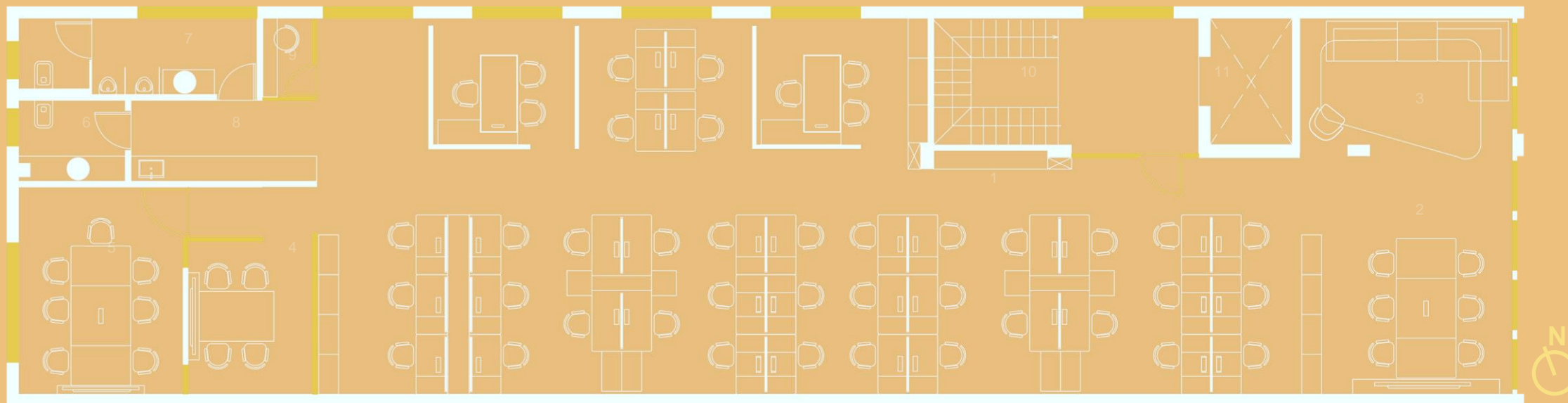
1. Project Team Workstation
2. Discussion Area
3. Breakout Zone
4. Meeting Room
5. Pantry
6. Female Washroom
7. Male Washroom
8. Phone Booth
9. Staircase
10. lift



FIRST FLOOR WORKSTATION



PHONE BOOTH & BREAKOUT ZONE



LEGEND

- | | |
|---|---------------|
| 1. Design – Projects – Digitalisation - Sales Workstation | 10. Staircase |
| 2. Discussion Table | 11. Lift |
| 3. Breakout Zone | |
| 4. Meeting Room -01 | |
| 5. Meeting Room -02 | |
| 6. Female Washroom | |
| 7. Male Washroom | |
| 8. Pantry | |
| 9. Phone Booth | |



SECOND FLOOR WORKSTATION



SECOND FLOOR WORKSTATION



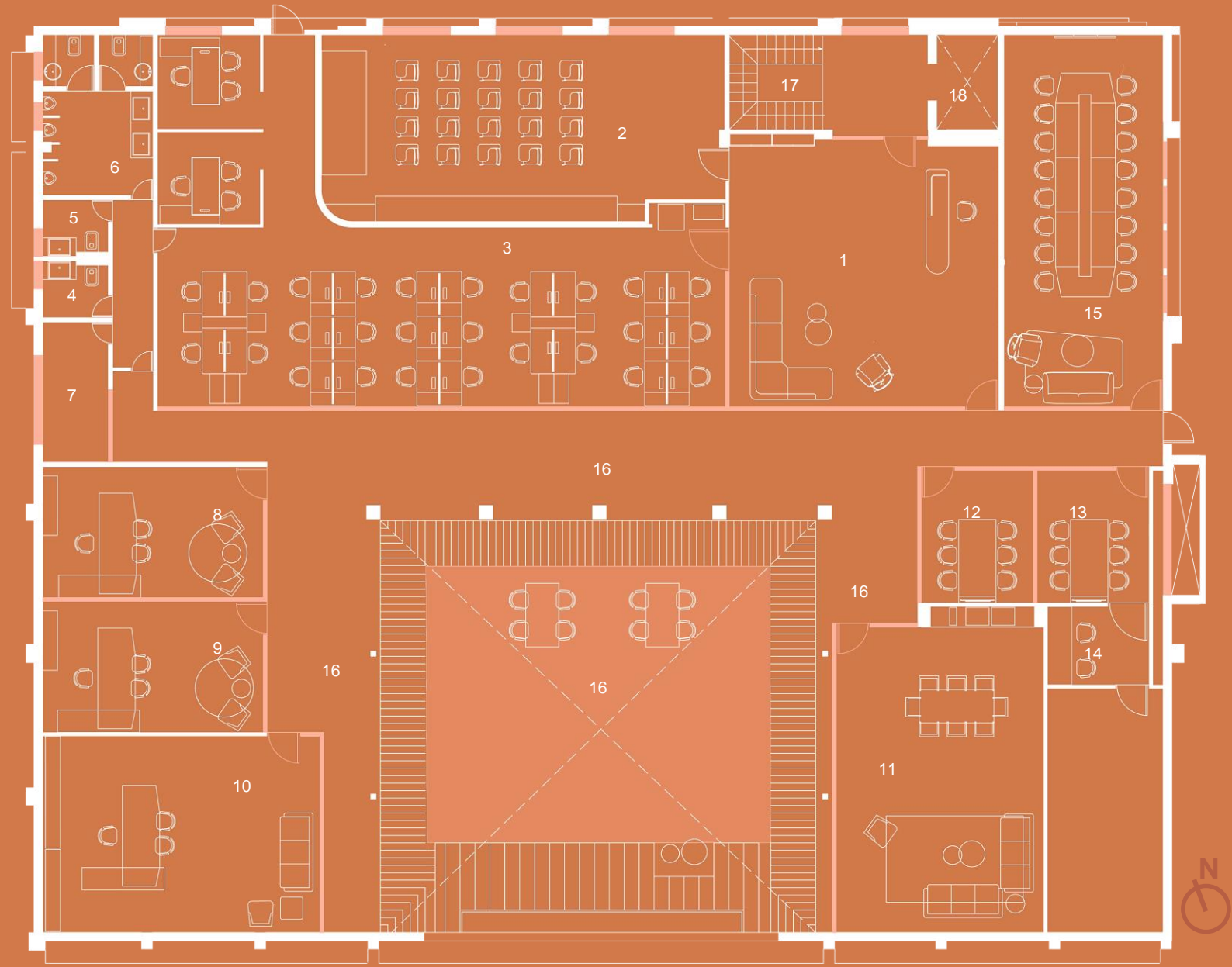
SECOND FLOOR WORKSTATION



BREAKOUT ZONE

LEGEND

- 1. Reception – Waitig
- 2. Training Center
- 3. Sale – Management Workstation
- 4. Female Washroom
- 5. Female Washroom
- 6. Male Washroom
- 7. Pantry
- 8. Director Cabin 01
- 9. Director Cabin 02
- 10. Managing Director Cabin
- 11. Exe. Dining & Lounge
- 12. Meeting Room 01
- 13. Meeting Room 02
- 14. IT manager Cabin
- 15. Conference Room
- 16. Courtyard
- 17. Staircase
- 18. Lift





This large-scale extension became an opportunity to rethink their office systems and workplace culture. With an open-minded approach and global exposure, the clients were quick to embrace our suggestions for a modern, open-plan office that encourages collaboration and interaction. Moving away from their earlier office setup, which was more compartmentalized with individuals working in separate cabins, the new design fosters a sense of connectivity and teamwork. In line with their strong belief in continuous learning, we incorporated dedicated training rooms, multiple meeting spaces, and a well-equipped boardroom—facilities that were missing in their previous office. This transformation reflects both functional improvement and a cultural shift toward a more dynamic, future-ready work environment

EXECUTIVE FLOOR RECEPTION & WAITING AREA



EXECUTIVE FLOOR RECEPTION & WAITING AREA



TRAINING CENTER





DIRECTOR CABIN



MANAGING DIRECTOR CABIN



MANAGING DIRECTOR CABIN



EXECUTIVE LOUNGE & DINING

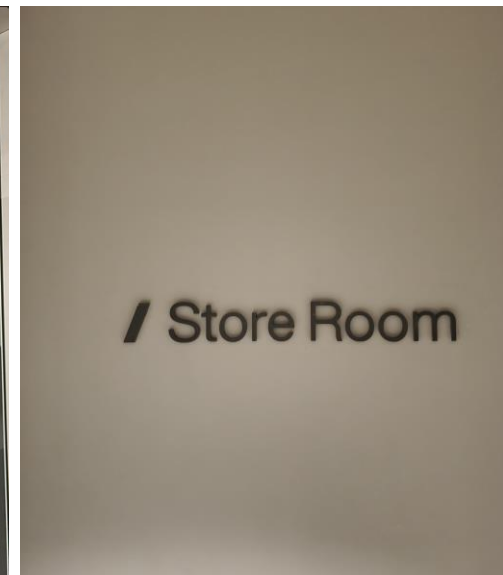
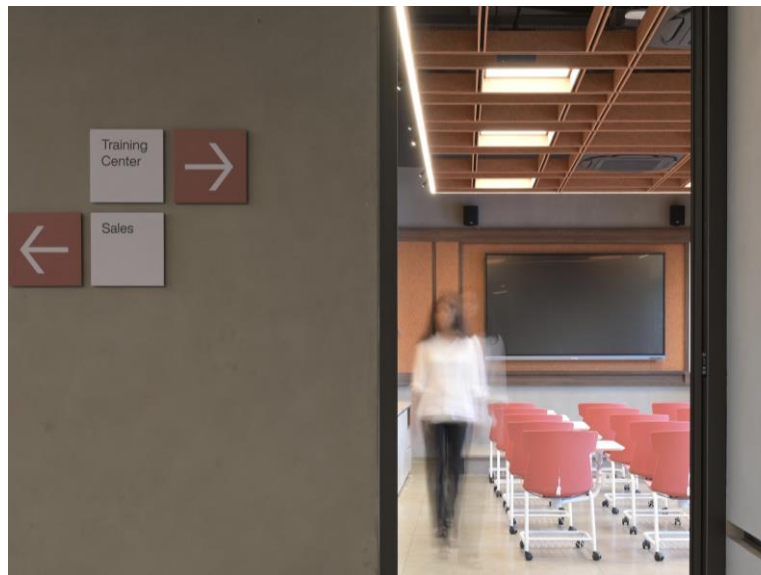
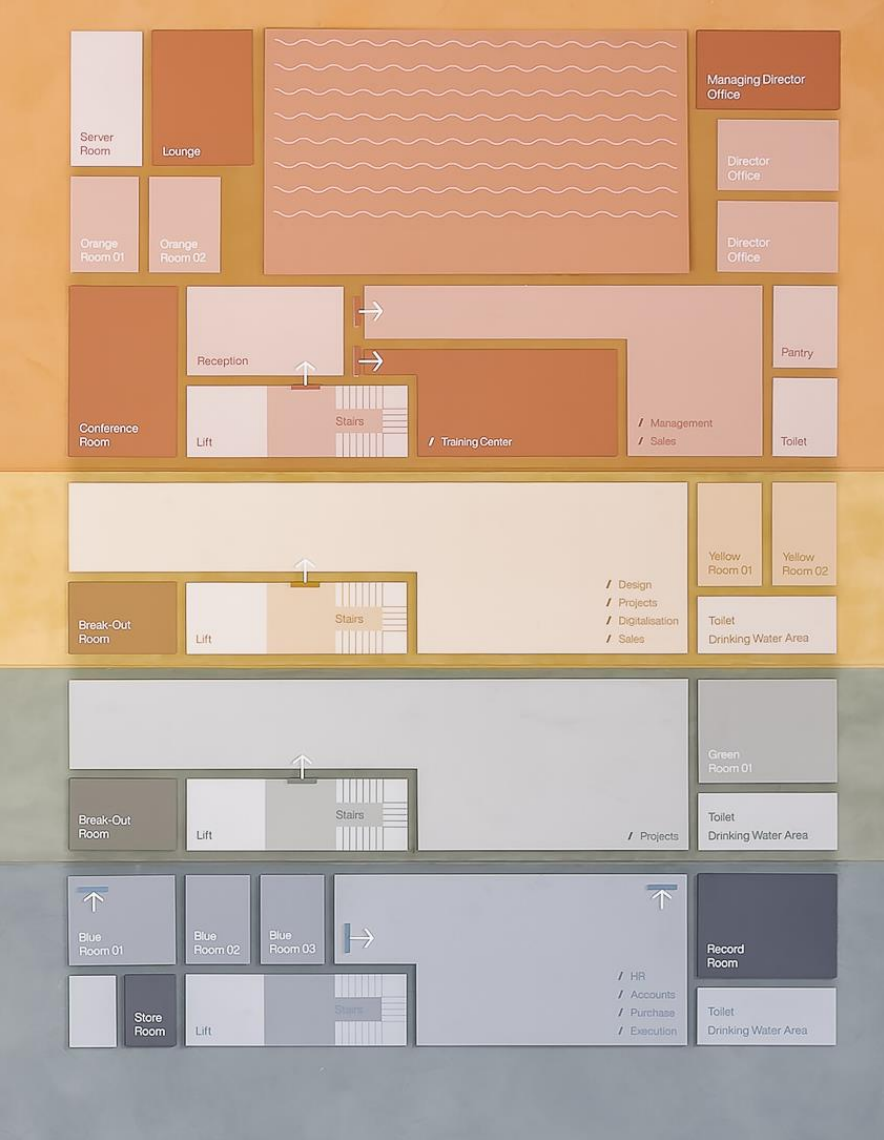


CONFERENCE









Lots of efforts have been put into the design of the signage, especially the way finding ones, throughout the building. The colour scheme of each floor, corresponds to the colour theme of the corresponding floor. And to announce this idea, the reception area on the ground floor has the wall horizontally divided and painted into these four colours, with the corresponding floor directory, making it a piece of art for the space.

SIGNAGES



STAFF DINING AREA



FACTORY AREA





FACTORY AREA



The windows are designed tall and positioned high on the wall to accommodate the height of the electrical panels below. This placement ensures that the panels do not block natural sunlight while still allowing ample daylight to enter the space. By situating the windows above the panel line, glare is minimized and the workspace benefits from evenly diffused, natural lighting throughout the day.

FACTORY AREA



THE FACADE:

The facade features textured plaster walls with a coordinated color palette of greys and terracotta red, echoing the brand's identity. This color scheme directly reflects the company's logo, reinforcing visual continuity. Angular lines run across the exterior, thoughtfully integrated into the design to mirror the distinctive slash element found in the logo. These dynamic compositions add movement and character to the building, giving it a modern and bold presence. Together, the materiality and geometry create a cohesive architectural language that subtly communicates the brand's visual identity while maintaining a strong and contemporary aesthetic.



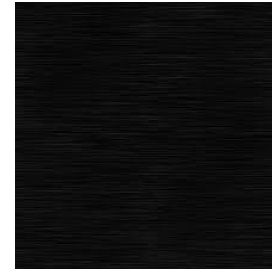
PAINT - 1



PAINT - 2



PAINT - 3



BLACK ANODIZED
ALUMINUM



GLASS



THE FACADE



THE FACADE



•
SURAT

•
HYDERABAD

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Kob Kun
Aabhaar
Grazie
Thank You
Bedankt