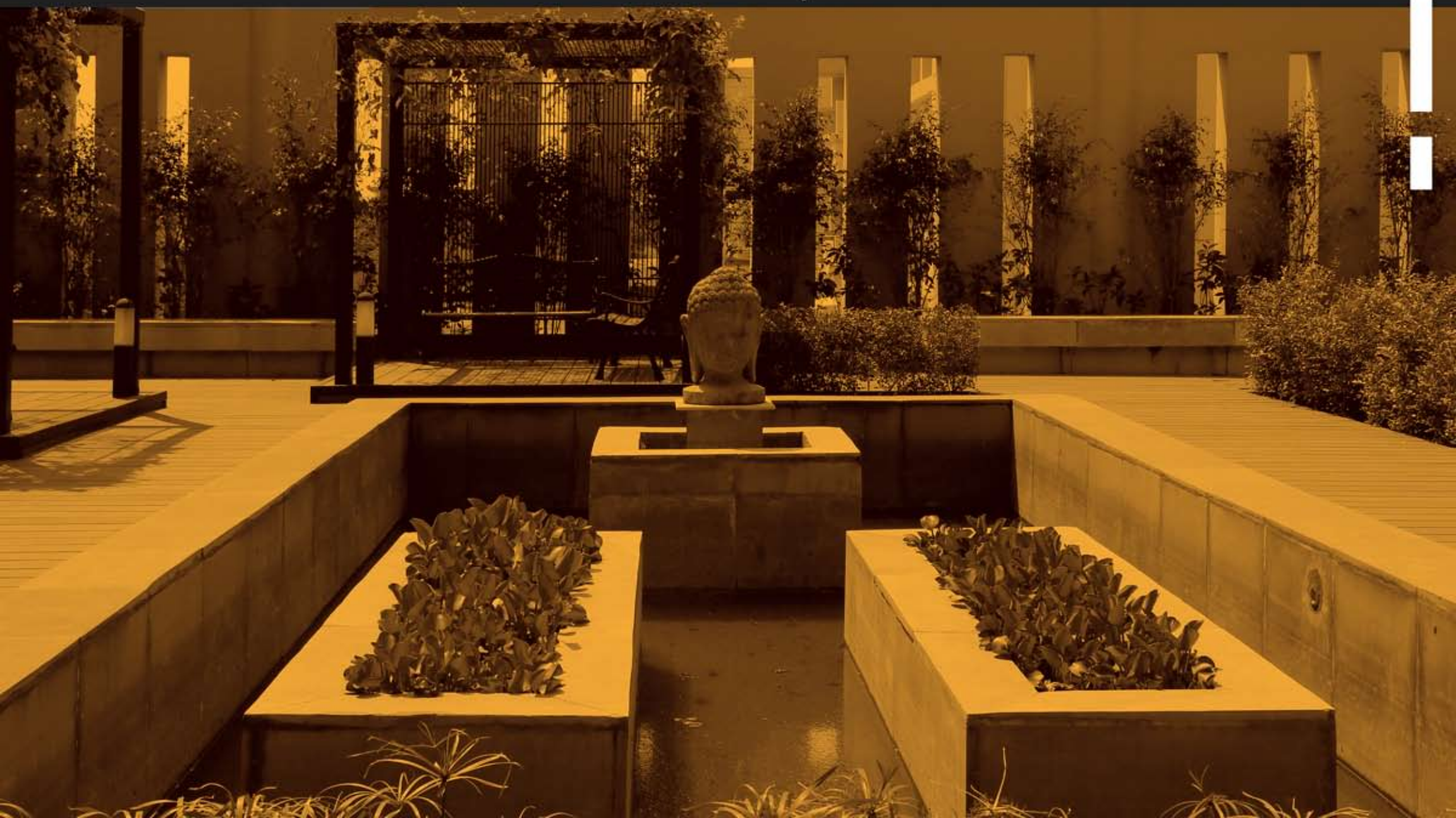




ayan **sen architects**
urban designers **planners**

| expedition to **innovation**



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the team

Ayan Sen Architects Urban Designers & Planners (ASAUDPI) was set up by Ayan Sen with himself as the lead Principal Architect, Urban Designer & Planner in the year 2005. Ayan's professional experience started after his graduation from the School of Architecture, CEPT, Ahmedabad in 1997. Post his initial professional training, he worked in cutting edge Indian practices at Ahmedabad and New Delhi and in stellar urban design and architecture firms in Washington DC and Pittsburgh, USA.



philosophy

ASAUDP was started in India with the thought of providing collaborative, creative and international professional systems in the growing architectural environs of emerging India. The premise, '**Locally Sensitive Regional thinking can get integrated with the best of International Practices and Systems**' has been Ayan's founding pillar. Therefore, the philosophies and design ideologies have tried to invoke the regional vernacular and its expression in the modern contemporary idiom and integrate the two in a holistic manner.

Ayan has principally articulated himself in two languages - one of a contemporized colonial design which is inspired from both India's colonial past and her current awareness of her place in the world. The second language explores contemporary tropical expressions in an amalgamation with the local context, be it Calcutta or any other Indian metropolis. The projects, which are architectural expressions as a product of the context and these design languages, explore these at some length.



local **language**



critical **regionalism**



respecting **contextuality**

values

Our design philosophy helps us to create spaces which respects the context, and functionally tangible and viable. The holistic design development comes from an understanding of the project and the client needs and requirements with a respect to the economics of the project.

Our values talks of sustainability and its interaction with the external services. Ideas here in our office is generated in reply to the existing tropical architecture present in the context with an amalgamation of the fundamentals from the site. While it is equally important that the project must sit in the urban context and connects with the larger value system. Creation of spaces which respond to the people and the society has been the priority from the start as we harness the power to explore new boundaries of contemporary architecture.

the studio

- Ayan Sen is a graduate of School of Architecture, CEPT, India and has done his masters from Massachusetts Institute of Technology, USA. He has been working on a range of Architecture, Urban Design and Planning Projects in the United States and India as well as consulted on several Real Estate and Economic Development initiatives.

He provides specialized expertise in the areas of master planning for waterfronts and campuses including residential and mixed use projects. He has been involved with the design of the Anacostia Waterfront Initiative, Washington D.C., a Mixed-use development for Pittsburgh Waterfront, University of Maryland Eastern Shore Campus and Military Base Reuse in the Metropolitan DC Area. Master Planning of Townships, Canal fronts and Parkland planning are some of the projects in India that are being done by his firm.





ayan sen architects
urban designers planners

residential

(multi-family)

Scales of community and spaces for interaction along with optimization of resources, proportion, color and material as the forefront of design expression.

- **TYPOLOGY:** Architecture, Multi-Family Housing
- LOCATION :** Amtala, West Bengal
- AREA :** 1, 00, 000 sq. ft
- STATUS :** Built
- DATE OF COMPLETION :** 2015
- STRUCTURAL ENGINEERS :** Sinha & Associates
- CLIENT :** Merlin Projects Ltd.



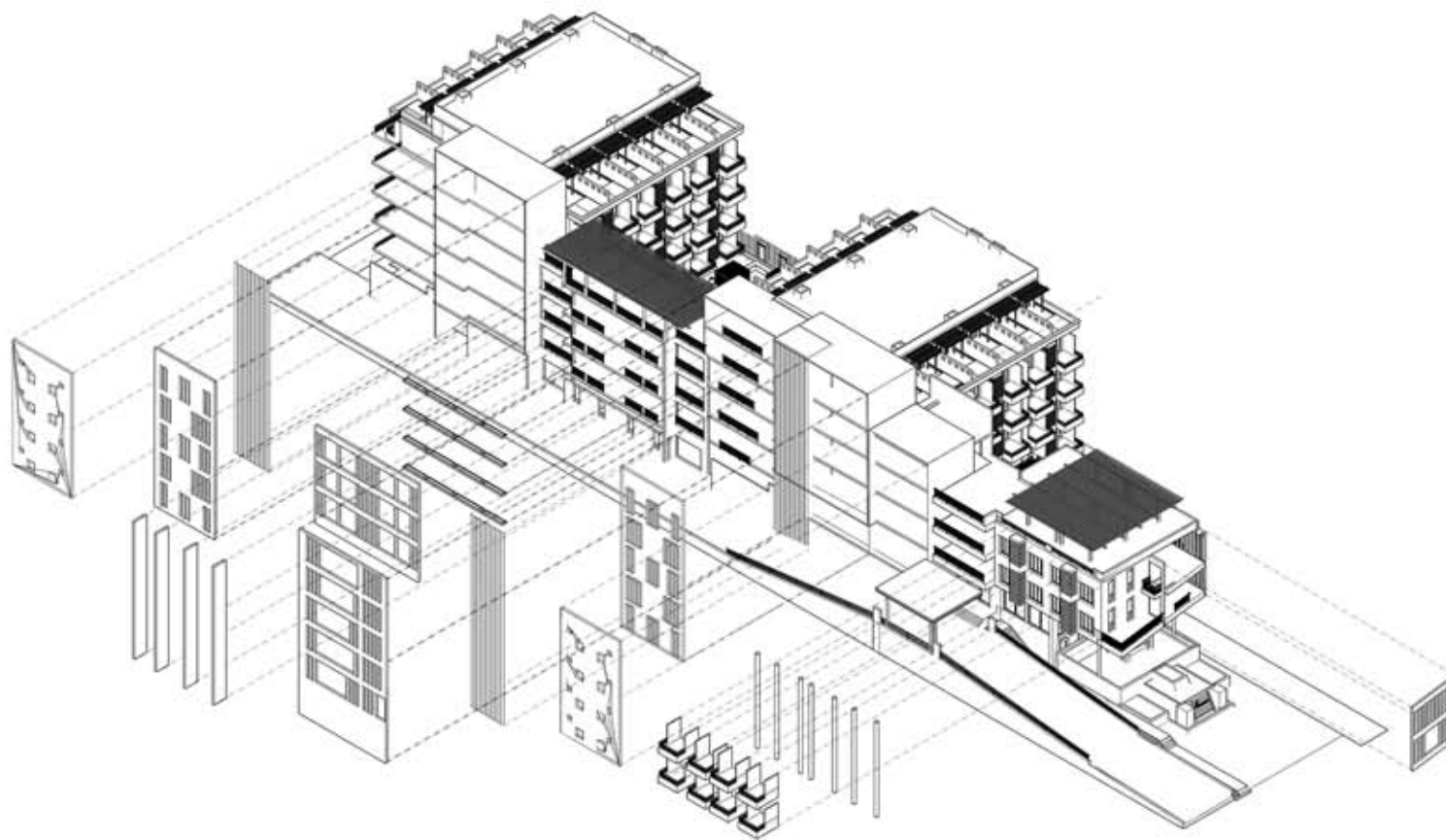


nirvana apartments

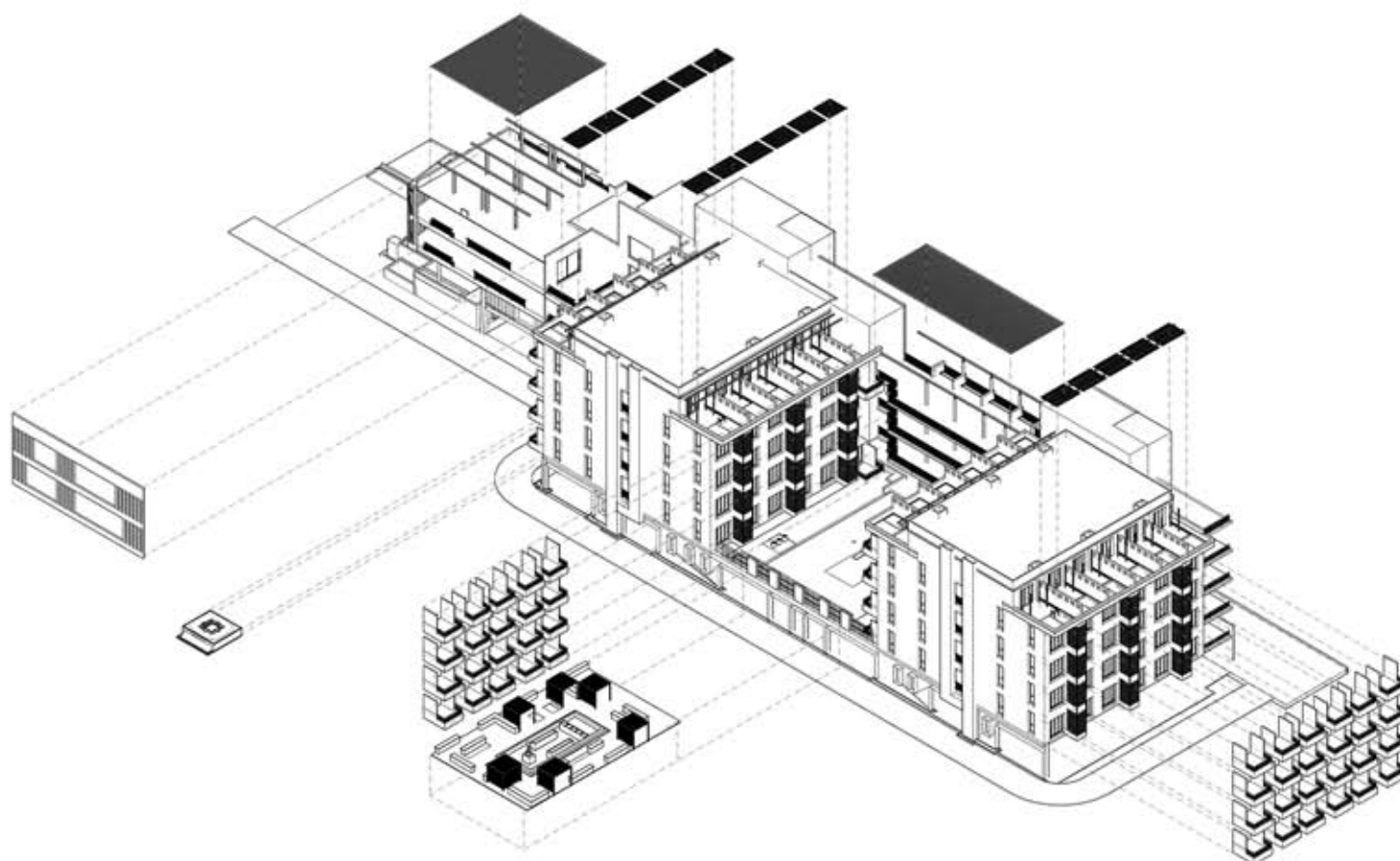
- A minimal expression of contemporary tropical vernacular is the studio apartment building. Nirvana. Young professionals and people of a similar mindset need a getaway from the city that is affordable. This program was conceptualized by ASAUDP as a stack of rooms with living spaces, kitchen space and smart toilets, designed in a unit space of approximately 450 square feet. Raised courtyards, spillover areas, lounging spaces created a seamless labyrinth of semi-open and open spaces. Linear bridge-like verandah spaces connect the two blocks. Openings, also linear, create a permeable skin along the edge of the building. A raised courtyard is designed to create kiosks for couples and smaller groups. The landscape firm working with ASAUDP - PL Design of Thailand - had a brief to create a tropical minimalist landscape that would work with ASAUDP's architectural language to create variation and yet have an inherent order.



view of the studio apartments from the central courtyard



axonometric view
(north-east)



axonometric view
(south-west)



vertical louvers



vertical slits



colonnades



balconies



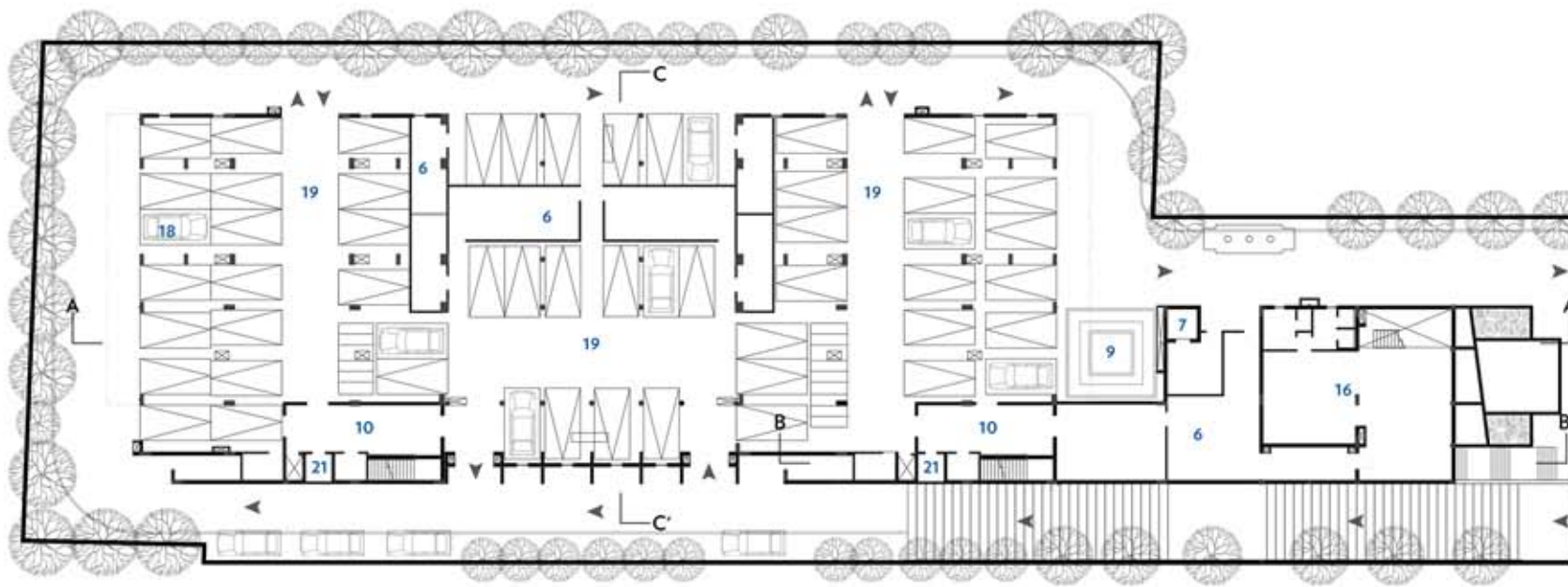
pergola



courtyard



seating



- | | |
|-----------------|---------------------|
| 1. BALCONY | 11. HALL |
| 2. BEDROOM | 12. RECEPTION |
| 3. TOILET/ BATH | 13. ELECTRICAL DUCT |
| 4. LIVING ROOM | 14. COURTYARD |
| 5. CORRIDOR | 15. STORE |
| 6. SERVICE | 16. DANCE FLOOR |
| 7. SERVICE LIFT | 17. SERVICE |
| 8. PANTRY | 18. PARKING |
| 9. POOL | 19. DRIVEWAY |
| 10. LOBBY | 20. DUCT |
| | 21. LIFT |

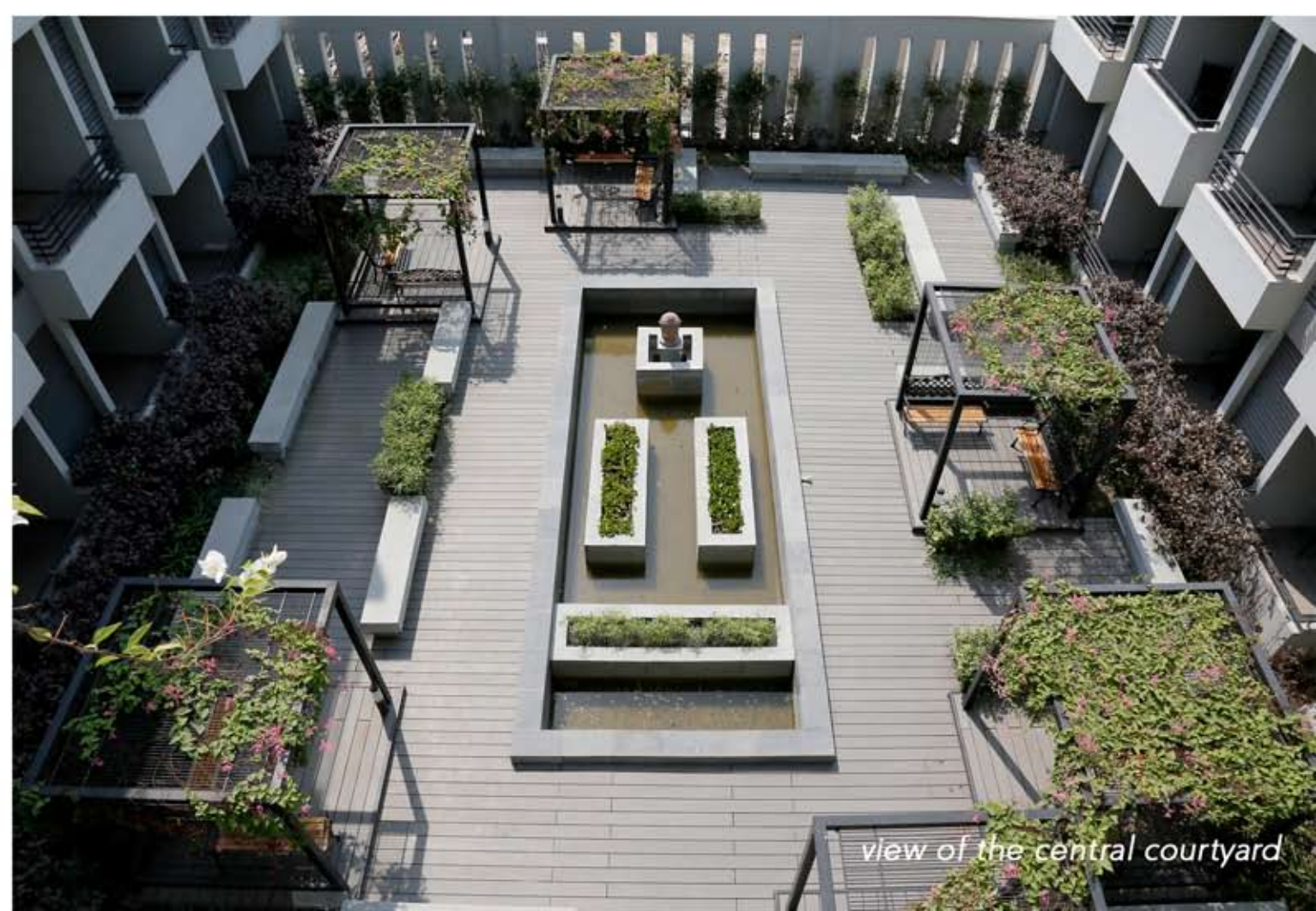
ground floor plan



first floor plan



entrance to the apartments



view of the central courtyard

■ **TPOLOGY** : Architecture, Multi-Family Housing
LOCATION : Burdaman Road, Kolkata
AREA : 65, 000 sq. ft
STATUS : Built
DATE OF COMPLETION : 2012
STRUCTURAL ENGINEERS : Suvra Narayan Sil
MEP CONSULTANTS : Ratan Kr. Sarkar
CLIENT : Exclusive Homes Pvt. Ltd.





multi-family housing in Alipore

- Development within Kolkata largely involves the demolition of old buildings and replacing them with residential blocks, the styles of which are usually pastiched. ASAUDP felt the need to evolve a design language that would interpret the colonial context in a modern Architectural idiom.

This multi-family condominium located right next to the old palace belonging to the Maharaja of Burdwan is a fitting example. The new building juxtaposes gracefully with the old through the repetition of key features in the palace: its louvers, and railings. The entire design has been conceived as a reinterpretation of the colonial character as a classical contemporary style.

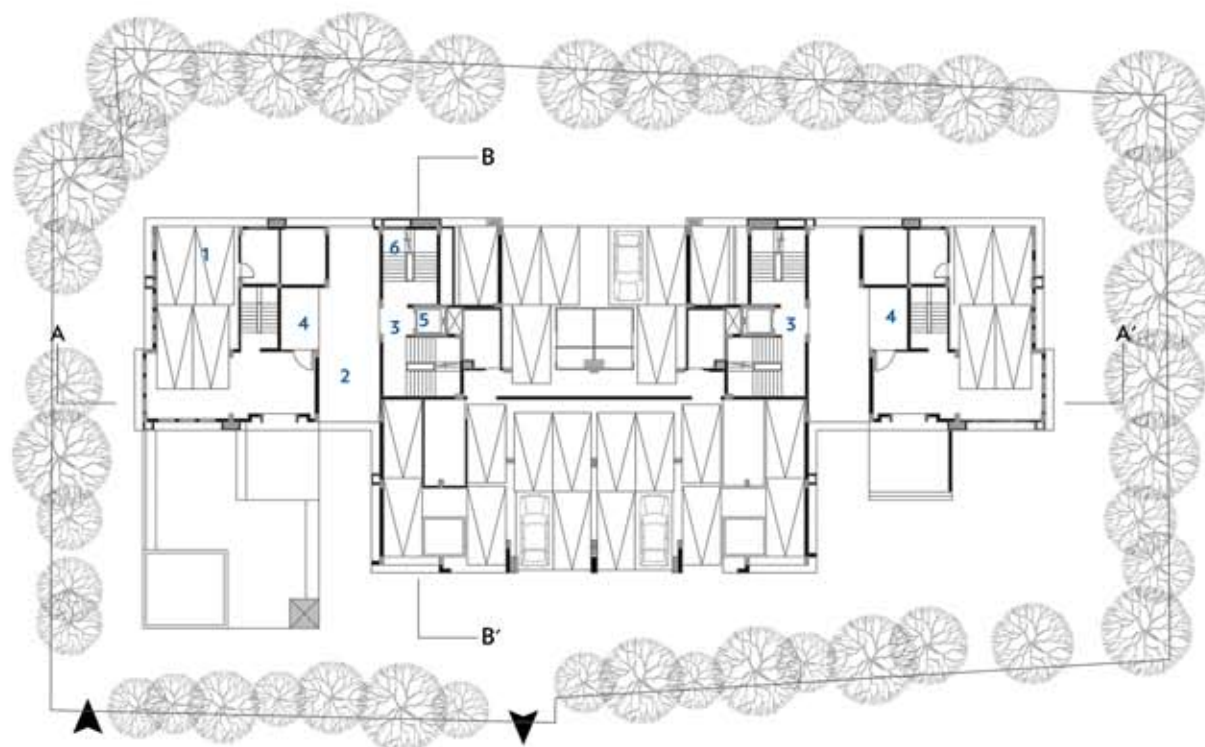


close up of the details in the facade



view of the apartments

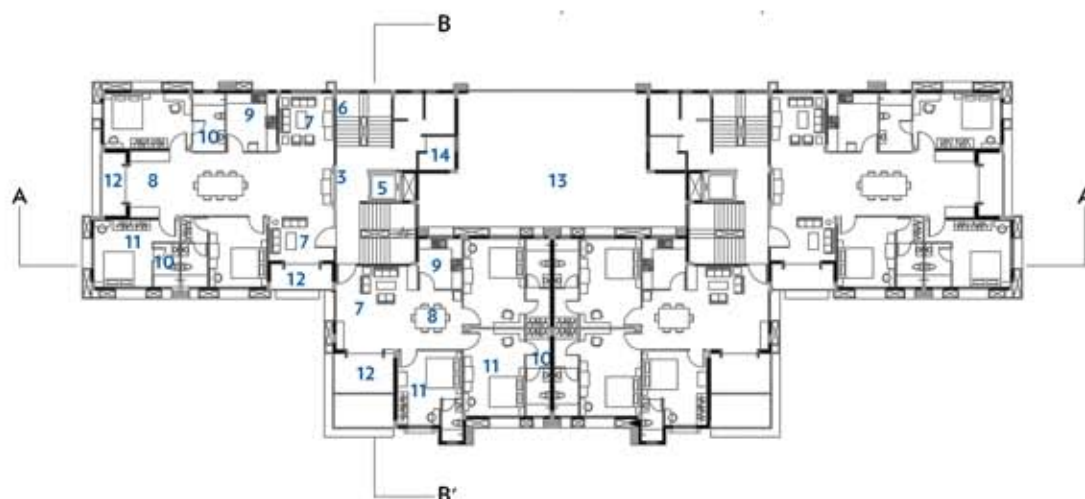
1. PARKING
2. DRIVEWAY
3. LOBBY
4. SECURITY
5. LIFT
6. STAIRCASE
7. DRAWING ROOM
8. DINING ROOM
9. KITCHEN
10. TOILET
11. BED ROOM
12. BALCONY
13. STORE



ground floor plan



typical floor plan (1st - 2nd)



typical floor plan (3rd - 7th)



horizontal striations



iron railings



aluminium louvers



open terrace



planters



concealed services



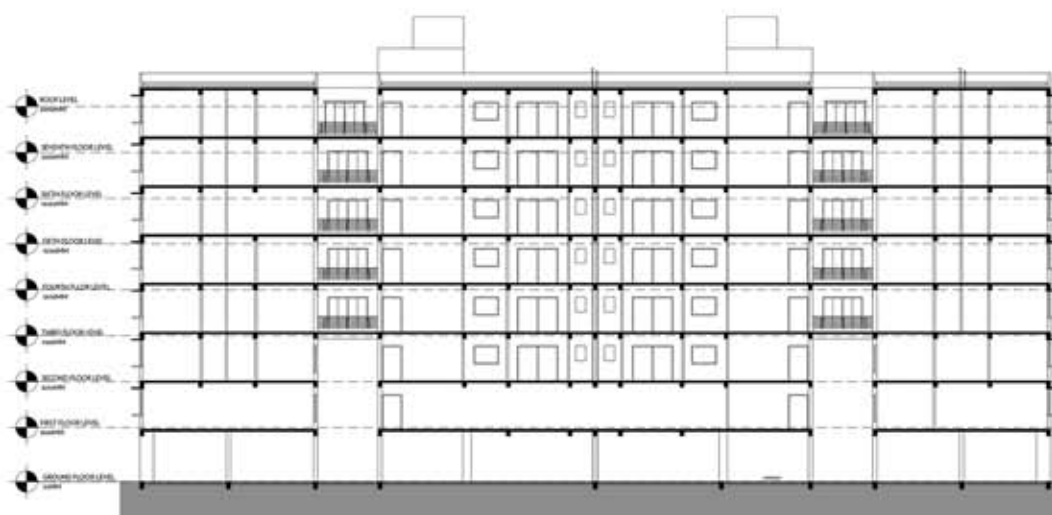
cobblestone floor



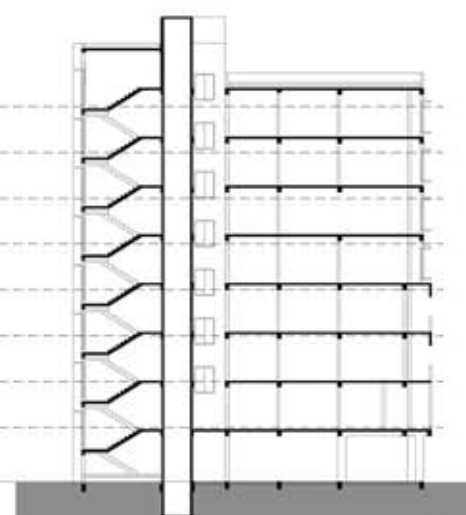
front elevation



east elevation



section AA'



section BB'



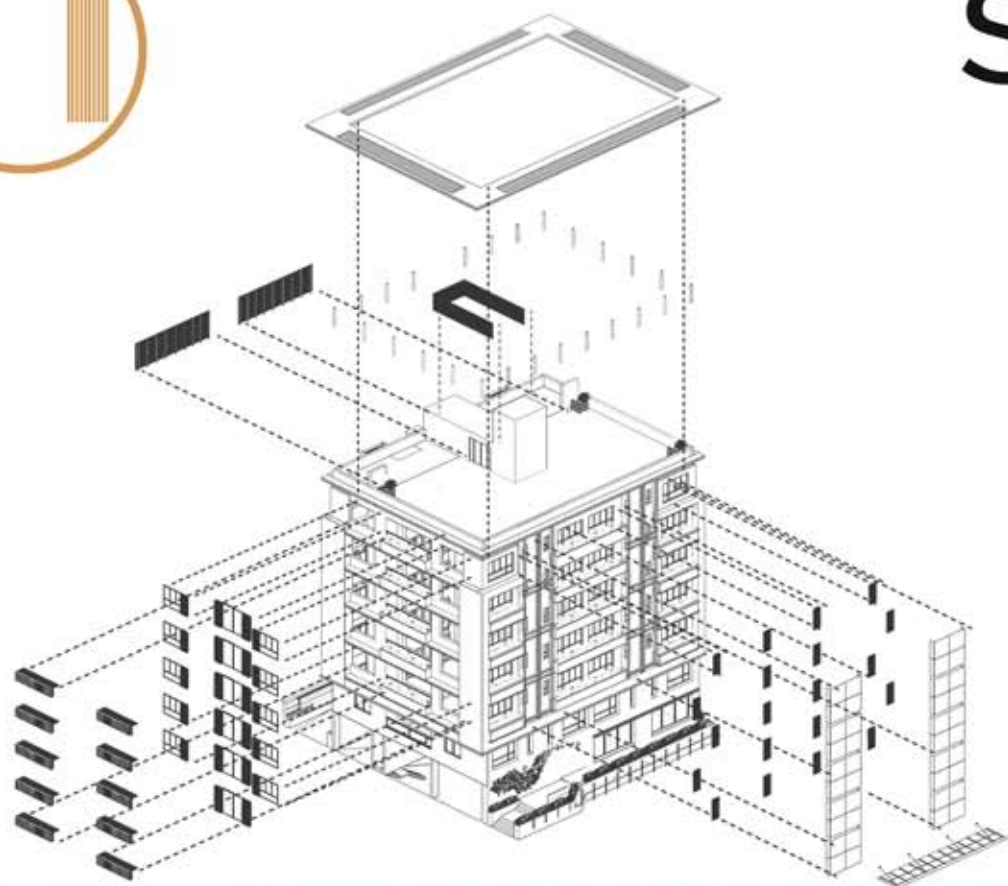
view of the apartment

■ **TYPOLOGY:** Architecture, Mixed Use
LOCATION: Short Street, Kolkata
STATUS: Being Built
AREA: 33550 sq. ft
STRUCTURAL ENGINEERS: Suvra Narayan Sil
CLIENT: Ecoprime Highrises Pvt. Ltd.



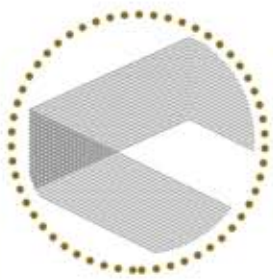


short street

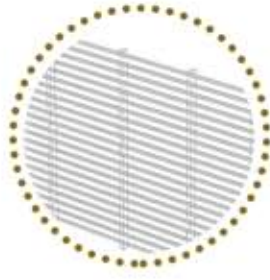


- This mixed-use building houses an office and residential spaces are located in one of the busiest areas of Kolkata's urban nexus. The first two stories encompass the offices while the rest of the floors are purely residential. The character of the building is subtly broken into two halves horizontally depicting this difference between the functionality of the building. The dark gray of Prodema with an algorithmic pattern punctured in it adds a dynamic sense into the building, with long louvers spanning vertically from the top to bottom articulates the facade into three halves with balconies in between them. Planters add green to the gray and terracotta of the back. Overall, Short Street was a complex expression in trying to reflect the availability of joy in the busy mundane urban lives present in the hearts of the people of Kolkata.





MS caged frame



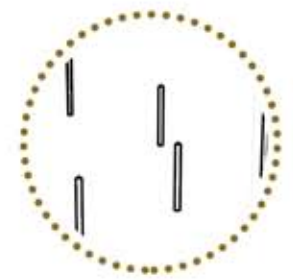
MS louvers



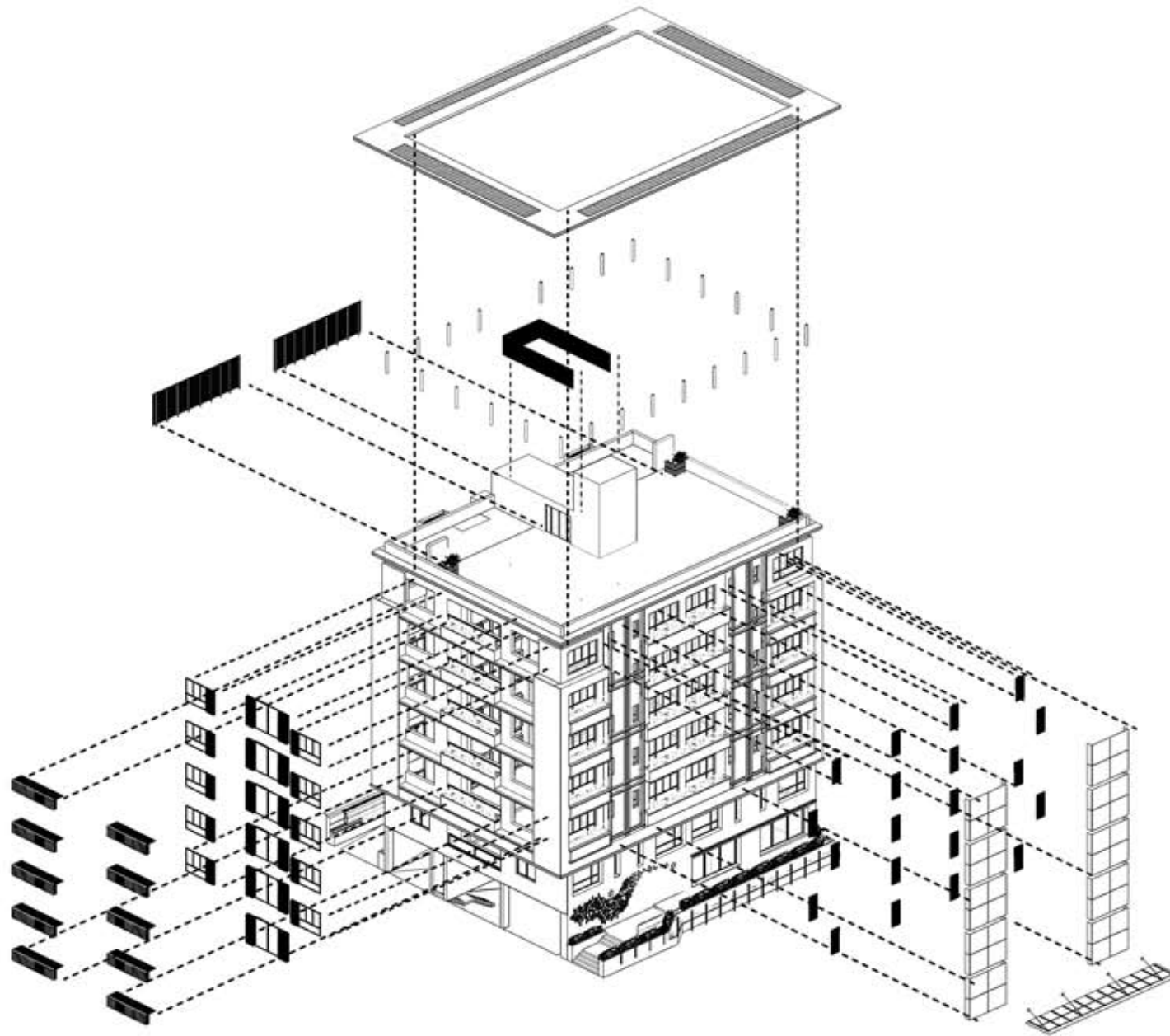
Pergolas



Tilted windows



Canopy pilotis



Axonometric view



Perforated metal jalisi



Punctured graphic wall



Window louvers



Entrance glass canopy



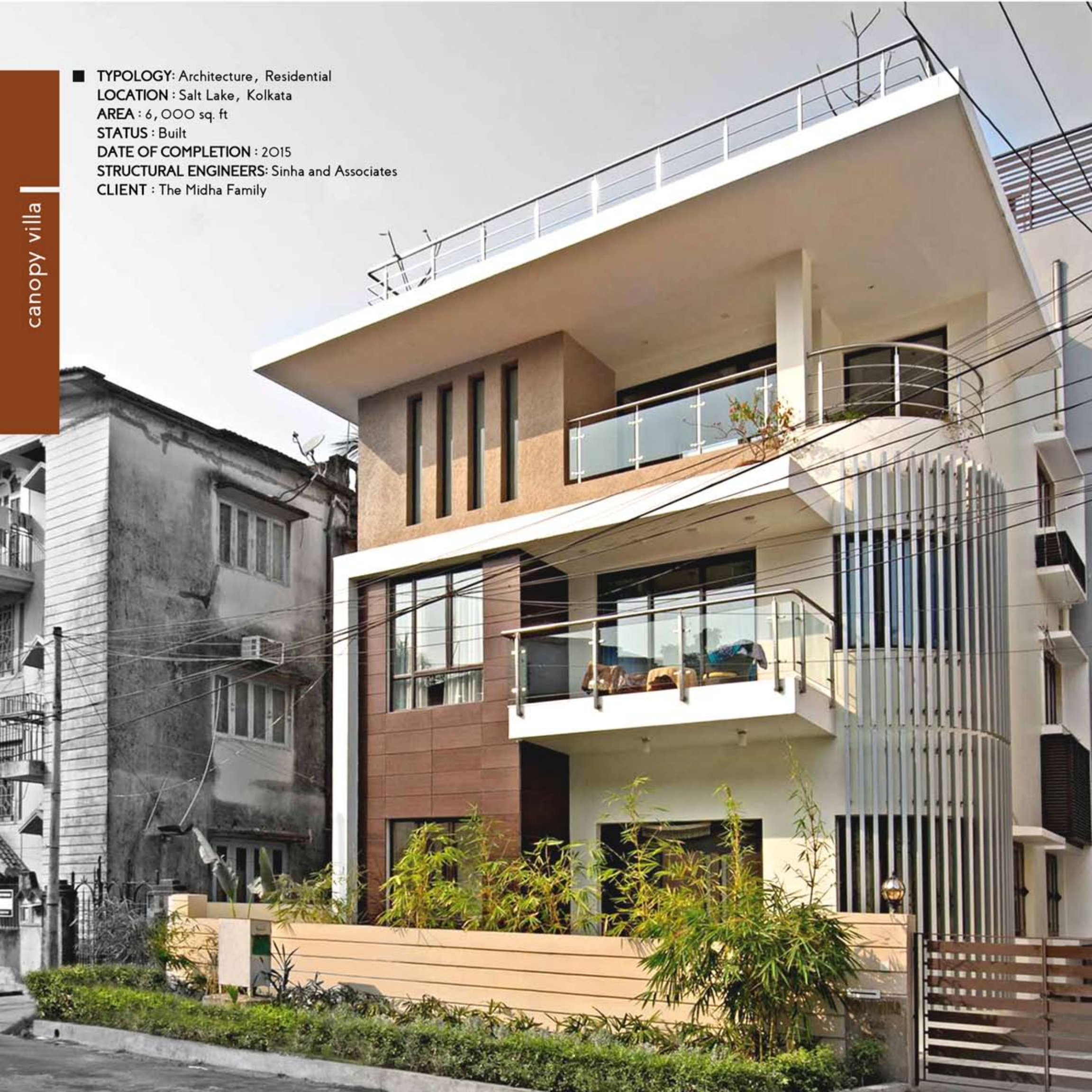
AC ledge louver

residential

(single-family)

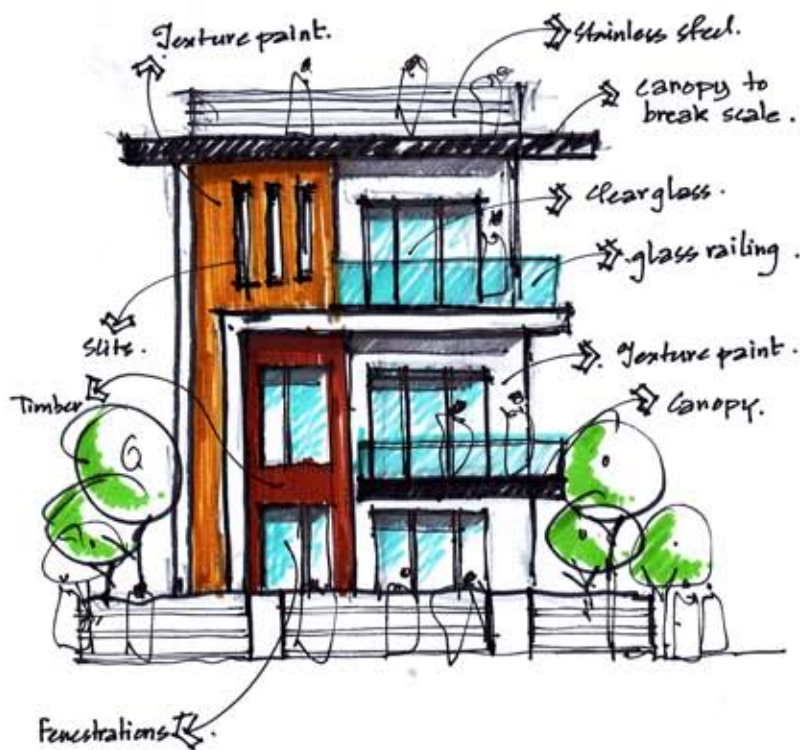
Aspiration of an individual and his family is expressed through materiality, architectural language and spatial order that blends with our signature design language.

- **TYPOLOGY:** Architecture, Residential
- LOCATION:** Salt Lake, Kolkata
- AREA:** 6,000 sq. ft
- STATUS:** Built
- DATE OF COMPLETION:** 2015
- STRUCTURAL ENGINEERS:** Sinha and Associates
- CLIENT:** The Midha Family



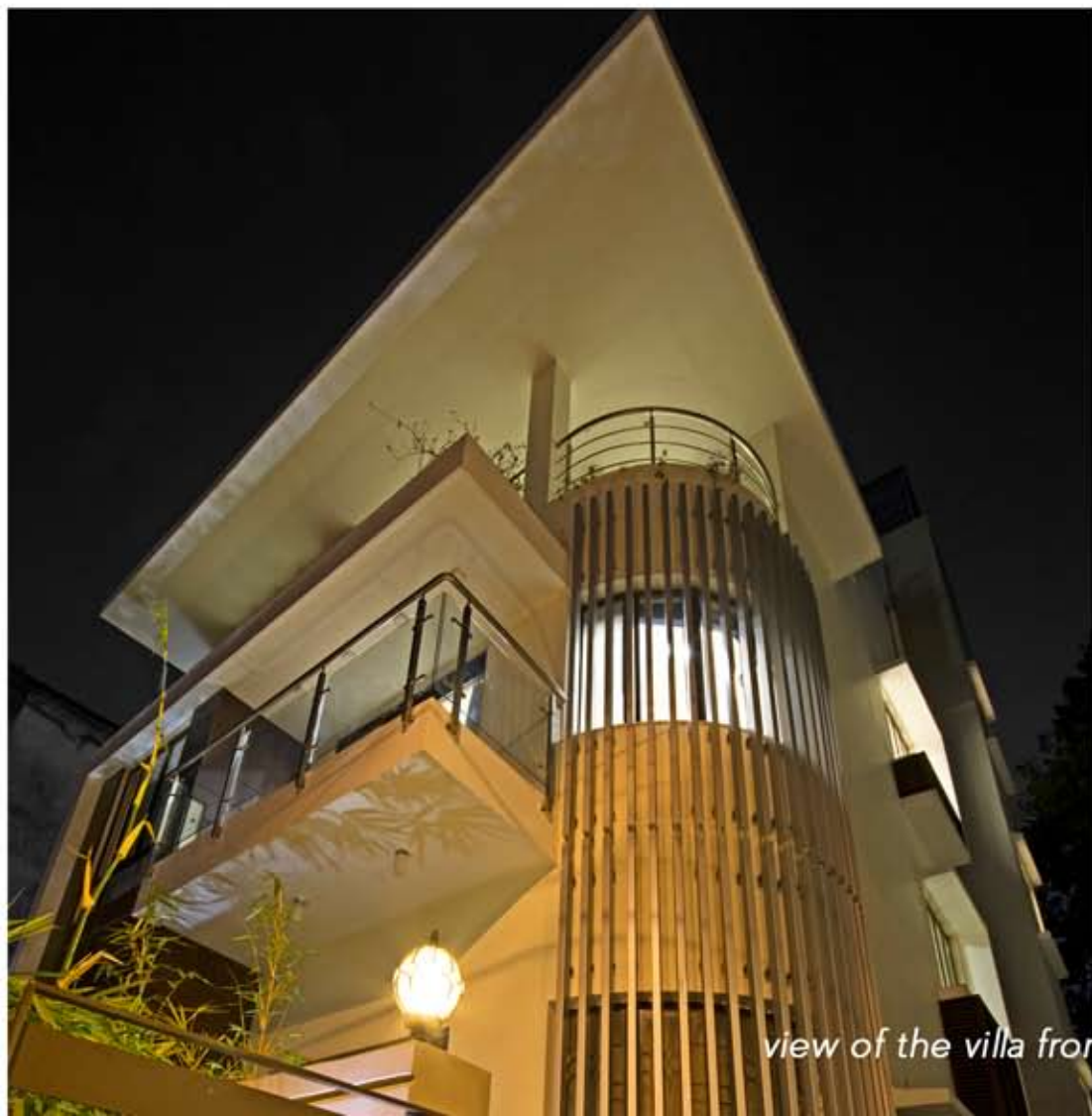


canopy villa

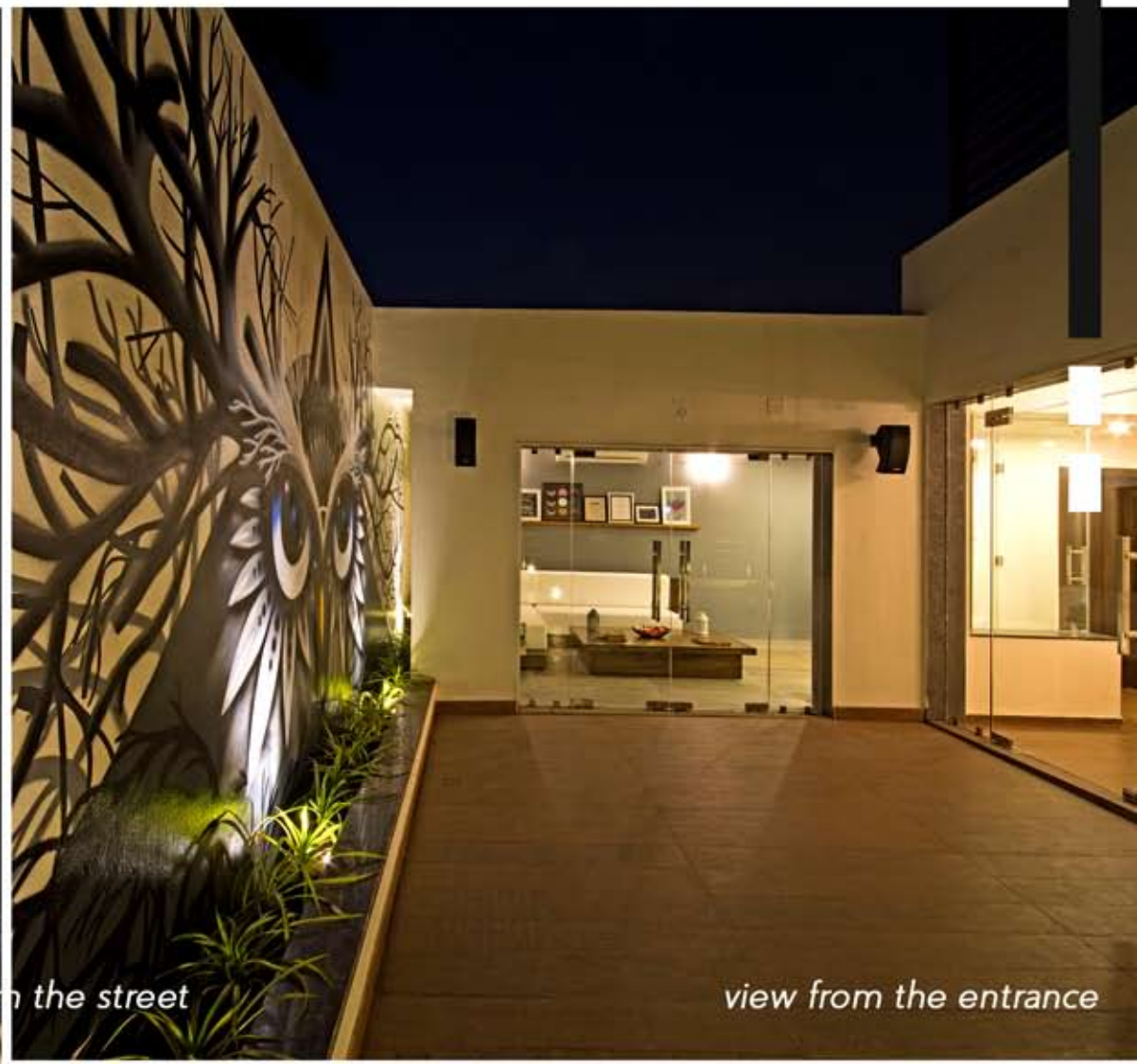


■ A single family residence at Kolkata accomplished by the firm as one of its flagship project encompasses a holistic and tropical approach in lending the look and feel of the residence. The building block is characterized by use of canopies varying in scale and size that lends a visual datum to the building. The residence is a complex of two storied building bound together and made cohesive by the use of canopies and vertical louvers that also shield the interior spaces from outside visually. The building overall adopts a contemporary minimalistic look by the wise use of elements. This gesture of providing indoor spaces and enveloping it with a labyrinth punctured with wide openings and balconies.

This membrane also act as the ventilating element allowing the various inner spaces to breathe as if the house in itself is the miniature of a macro cosmos where light plays the pre dominant factor in shaping and sculpting indoor spaces. The structure of house is simple and was designed in a way by which it can be sculpted even with the simplest craftsmanship and effort. Canopies not only lend a scale breaker in the overall mass but it also solves the purpose a screening from direct sunlight falling on the semi open spaces like the balconies which are timber cladded and ensures an utmost sense of tactile experience.



view of the villa from the street

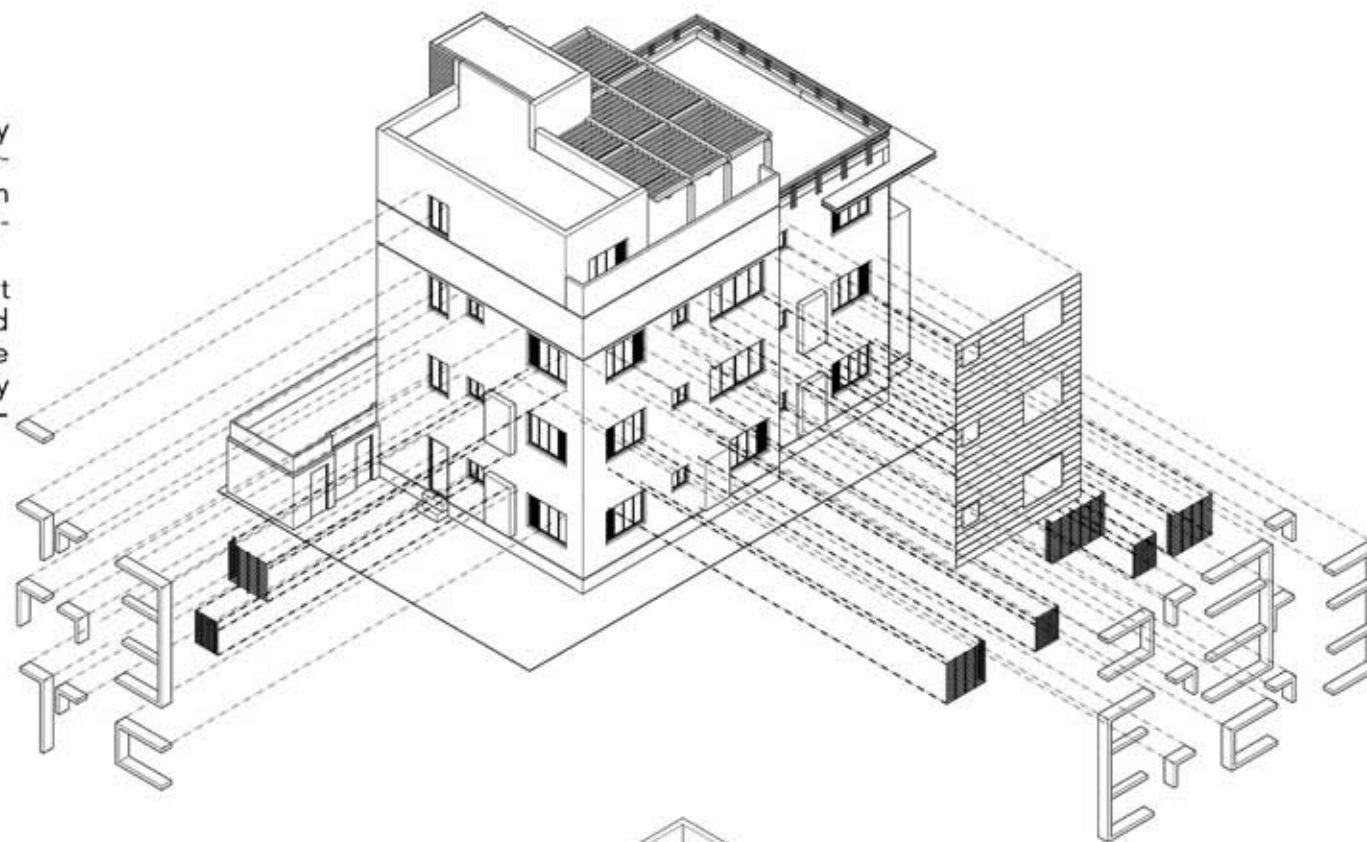


view from the entrance

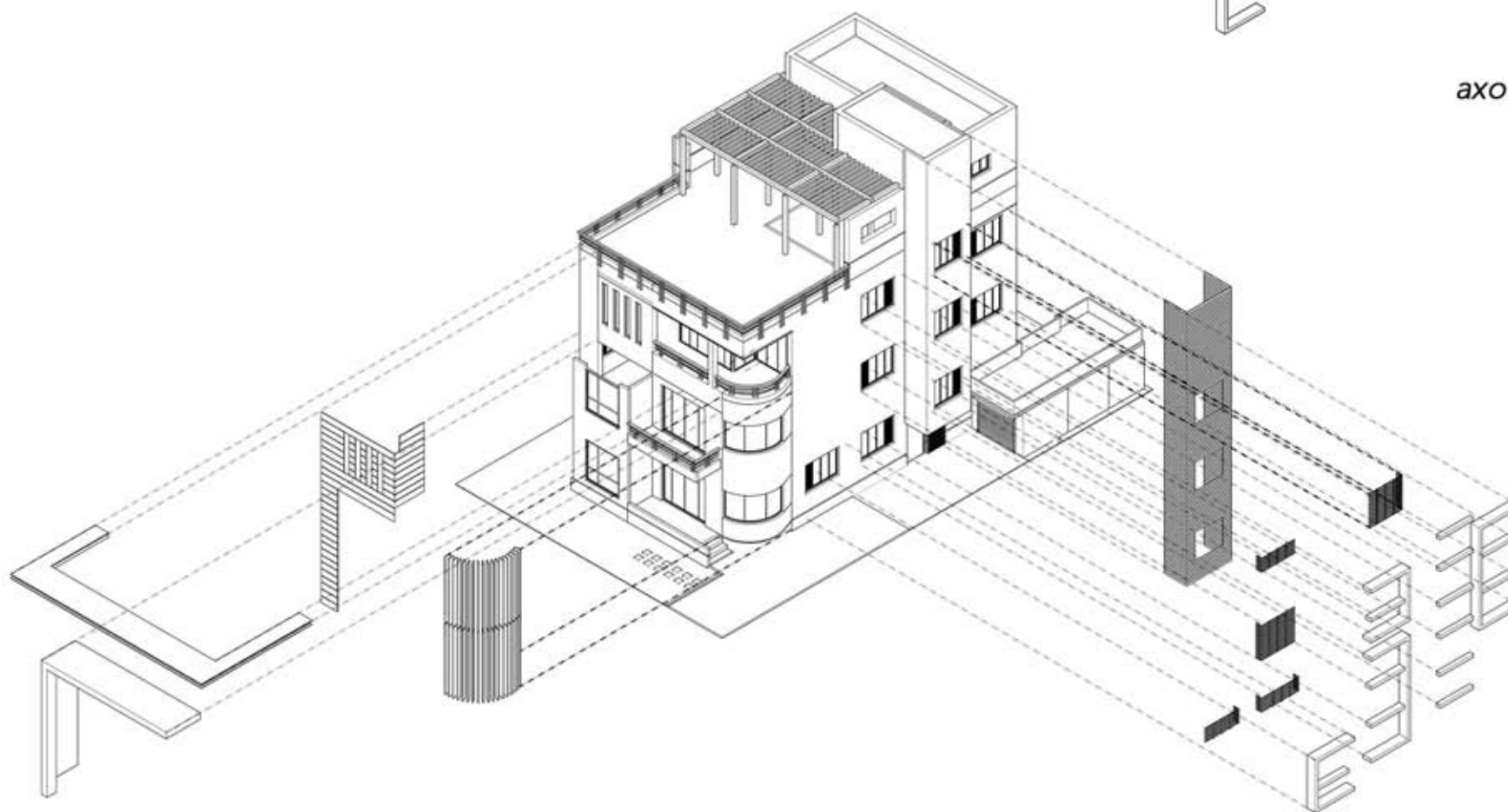
■ MATERIALS AND TECTONICS

Materiality brought about by materials that act as semi-permeable screening elements in both the horizontal and vertical dimensions.

The half shade brought about by the elements softens and accentuates the warmth of the materials. a contemporary echo of the **tropical architecture**.



axonometric view
(north-west)



axonometric view
(south-east)



wooden louvers



vertical slits



chajjas



wooden cladding



vertical louver



cantilever



graffiti

- | | | |
|-----------------|------------------|------------------|
| 1. GARAGE | 7. TOILET | 13. PLANTER |
| 2. LIVING SPACE | 8. DRESS | 14. HALL ROOM |
| 3. DINING SPACE | 9. BALCONY | 15. POWDER ROOM |
| 4. STAIRCASE | 10. VERANDAH | 16. UTILITY |
| 5. KITCHEN | 11. FAMILY SPACE | 17. SERVICE AREA |
| 6. BEDROOM | 12. STUDY ROOM | 18. TERRACE |



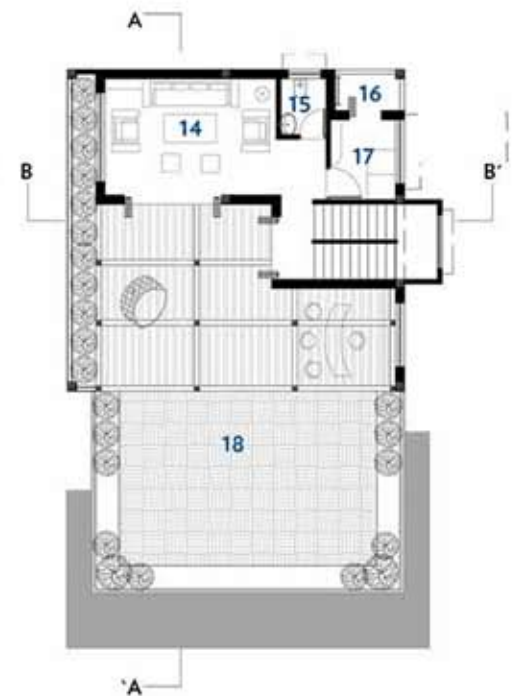
ground floor plan



first floor plan



second floor plan



roof plan

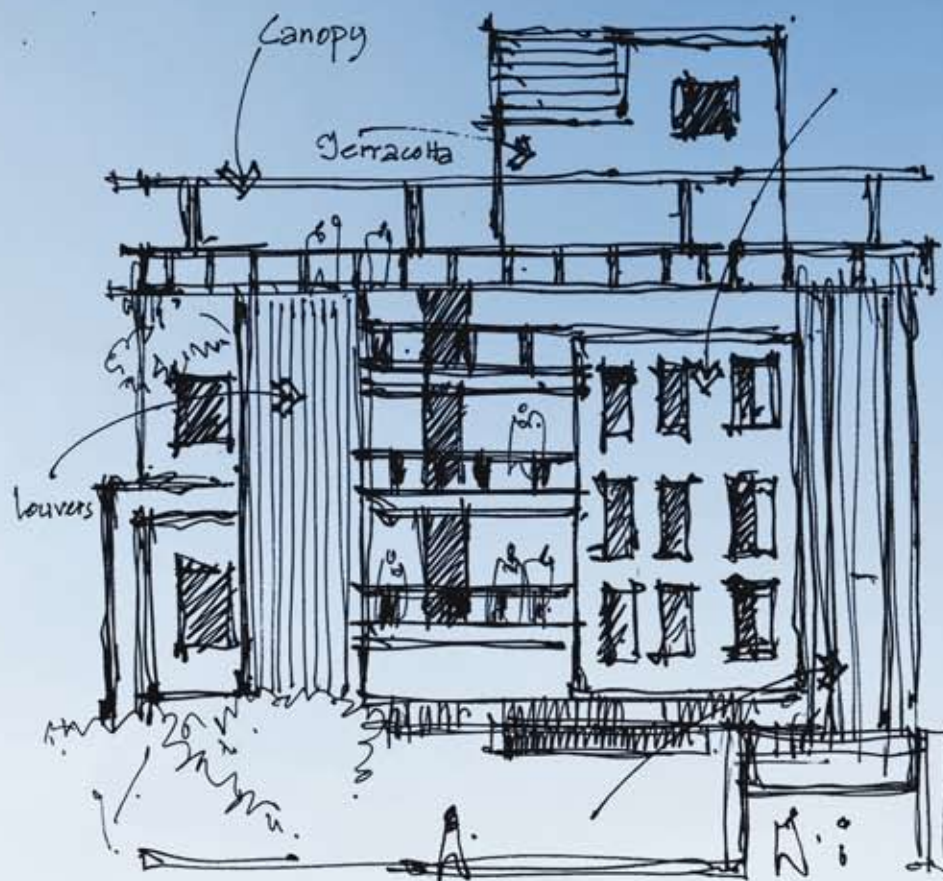


night view of the villa



close view of the front facade

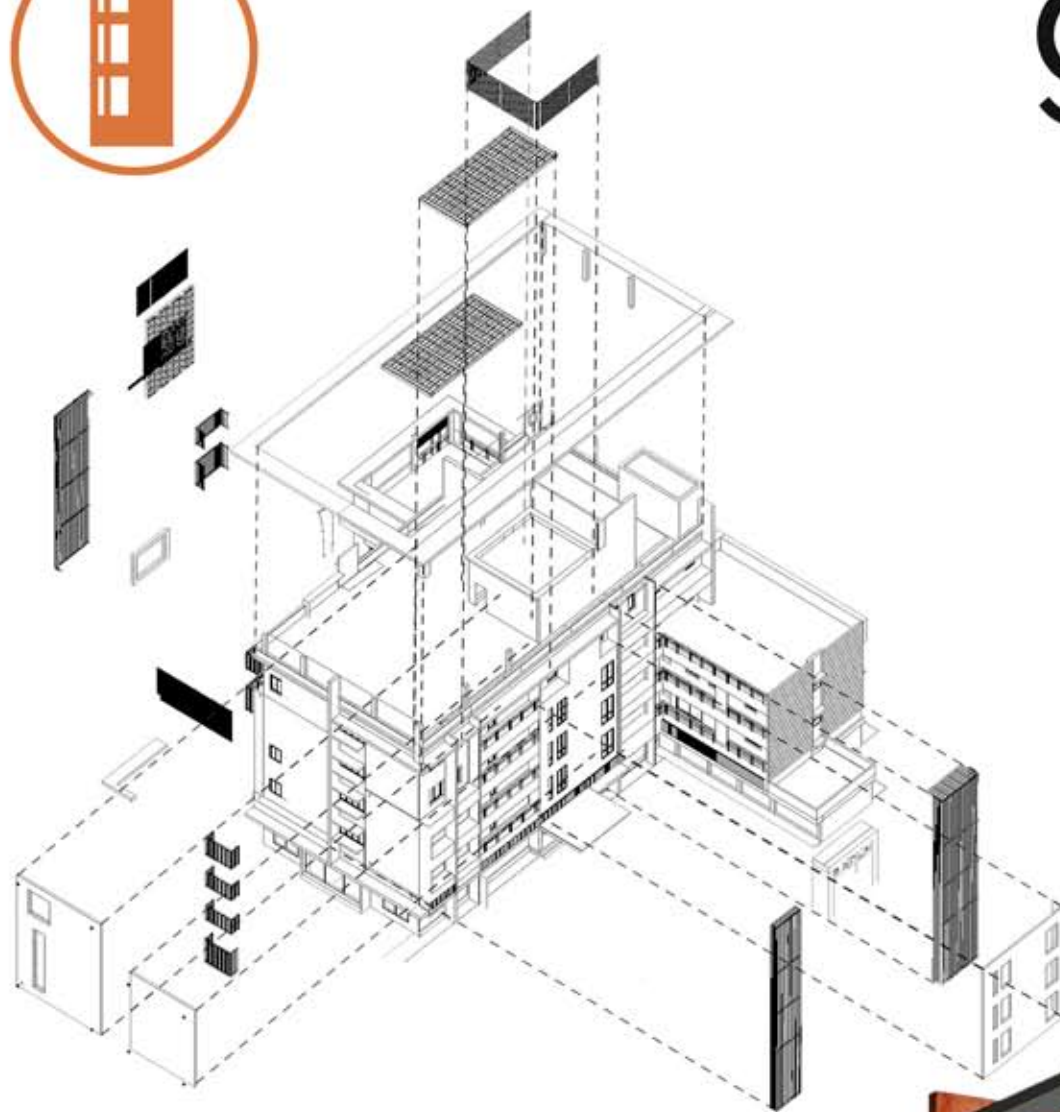
■ **TYPOLOGY:** Architecture, Multi-Family Villa
LOCATION: Alipore, Kolkata
AREA: 40,000 sq. ft
STATUS: Being Built
LANDSCAPE: Inscape Design Studio
MEP CONSULTANT: Sinha and Associates
INTERIORS: Gorsia Design Studio, Space Consultants
CLIENT: The Goenka Family





goenka villa

- Encompassing a sculpted and crafted expression of terracotta hues, a two family residence sits at a prominent location in Alipore, Kolkata. Goenka Villa is a collective collage of regional expression of materiality, texture, tactile qualities and their juxtaposition with the stark use of colours that remind the soul of 'Laal Maati'. The building is composed of layers of masses having slate and warm terracotta hues as two contrasting colours. Timber planks are used for wrapping portions of exterior facade lending a modern contemporary character sensitively superimposed on the terracotta surfaces. Together it's a rational take on contemporary tropical modernist architecture. It is a key project in understanding material practices as an aid with respect to location and identity as a key factor in the appreciation of contemporary tropical Asian architecture.



water wall

light ms pergola

vertical louver

horizontal louver

ac louvers

cantilever

metal jallis

TPOLOGY: Architecture, Single Family Villa

LOCATION : Chetla, Kolkata

AREA : 5, 000 sq. ft

STATUS : Built

DATE OF COMPLETION : 2016

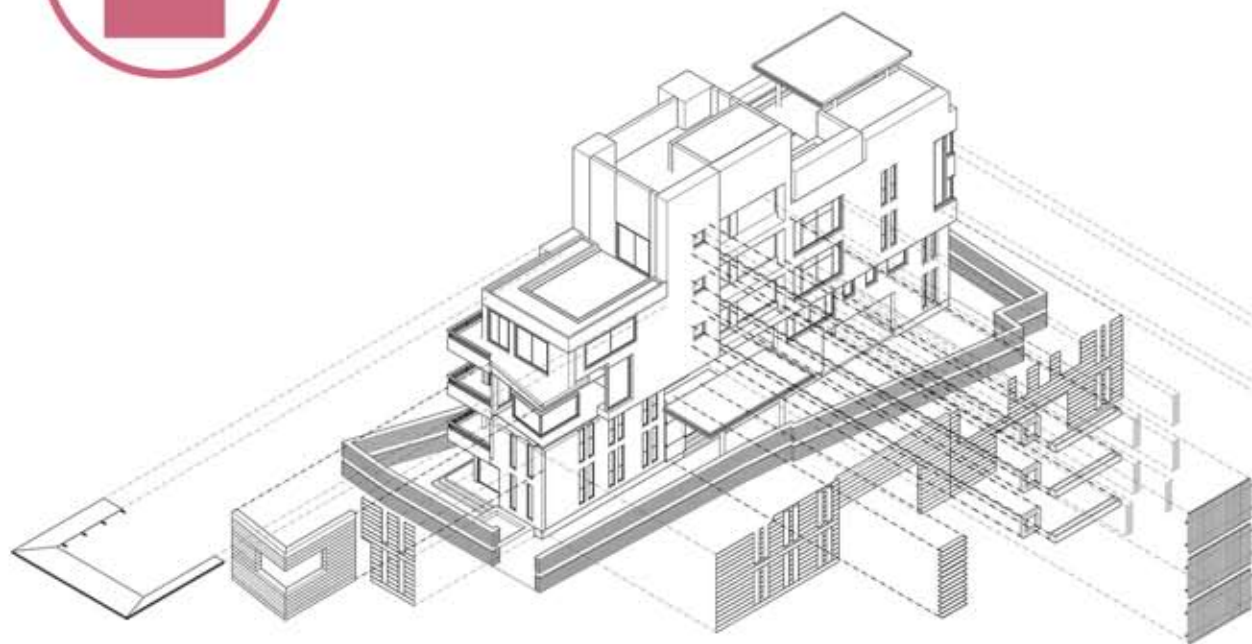
MEP CONSULTANTS : RG Solutions, Devendra Mishra

CLIENT : The Lunia Family





lunia villa



- The building has been designed to address Kolkata's hot and humid climate. Large openings have been used for ventilation. louvers have been used to filter the harsh local sun. A terrace garden has been provided for an aesthetic way of enjoying the outdoors, in the manner of age old Kolkata houses. The spaces at street level are designed for privacy, whereas the house progressively opens up as it goes higher. The largest open space, which is the terrace, is open, airy and designed for entertaining. Stone and wood finish cladding have been used as materials on the elevation to enhance the contemporary feel of the villa.



view of the villa from entrance



view of the terrace

TPOLOGY: Architecture, Single Family Villa

LOCATION : Barrackpore, Kolkata

AREA : 3, 000 sq. ft

STATUS : Being Built

STRUCTURAL ENGINEERS : Poseidon Engineering & Services

MEP CONSULTANTS : Eltech Engineers. R. R. Enterprise

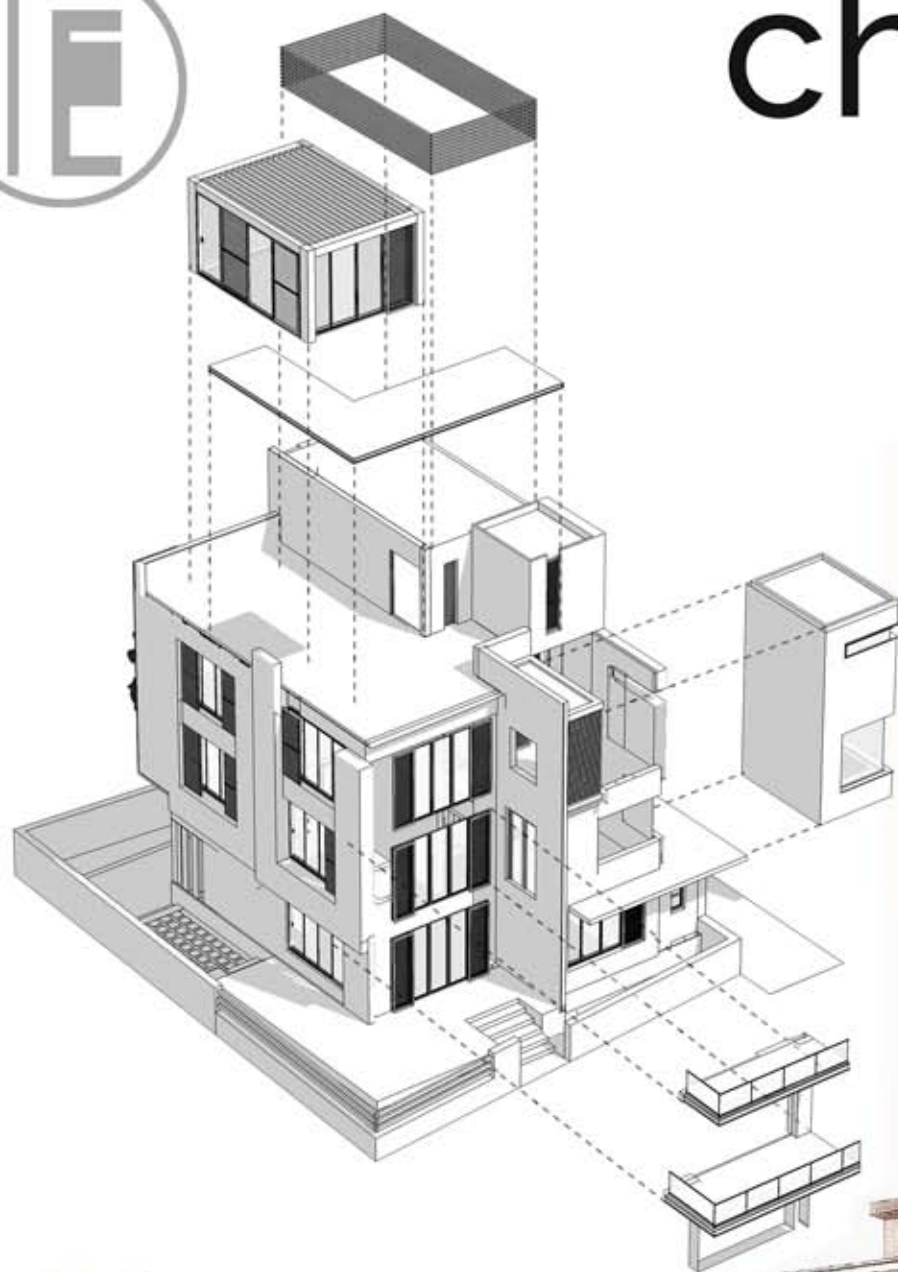
CLIENT : The Chaudhuri Family

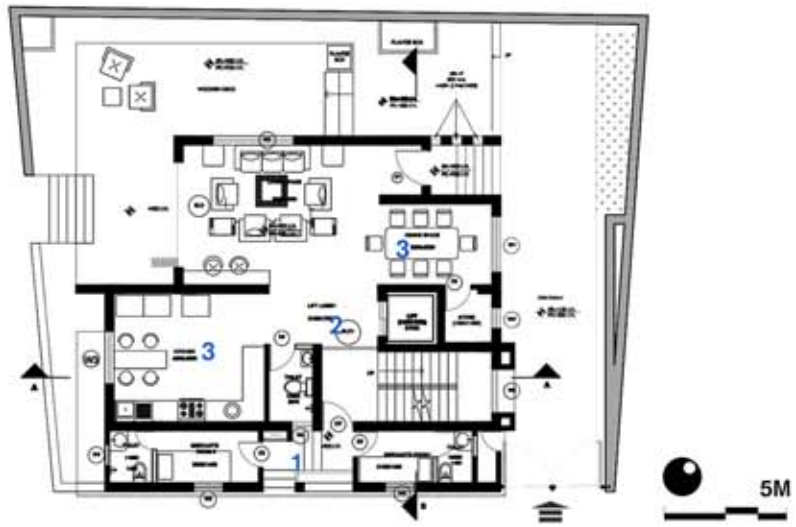




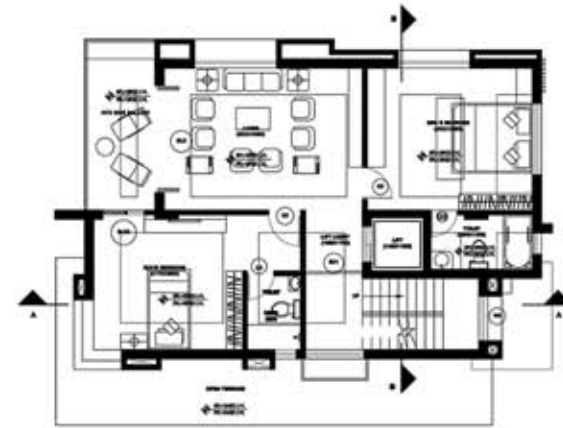
chaudhuri villa

- On the banks of the river Hooghly the site evolved a strong sense of space. The simple program of living, dining and bed was divided in the three floors with a spatial direction towards the river. A composition of volumes and masses inspired by the modern tropical architecture. Extensive use of canopies that lend a scale break to the overall composition. Wide open balconies have been sculpted out in the built form that gives a permeable visual transition to the landscape. The rough concrete texture is used along with exposed brick texture that creates a subtle visual palette.





Ground floor plan

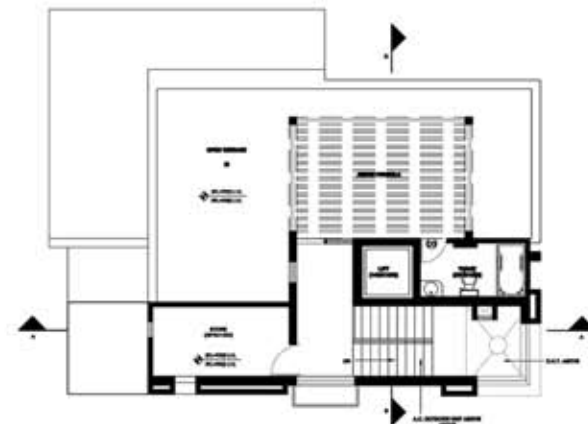


First floor plan

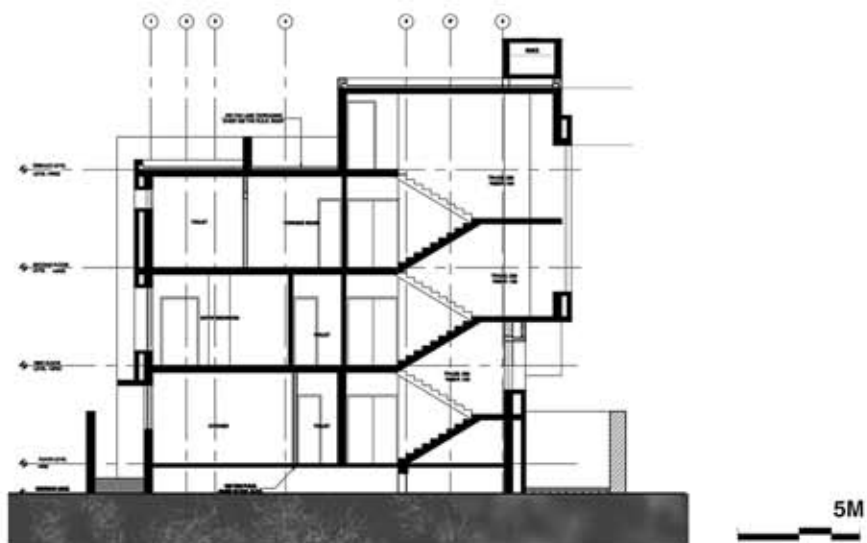


Second floor plan

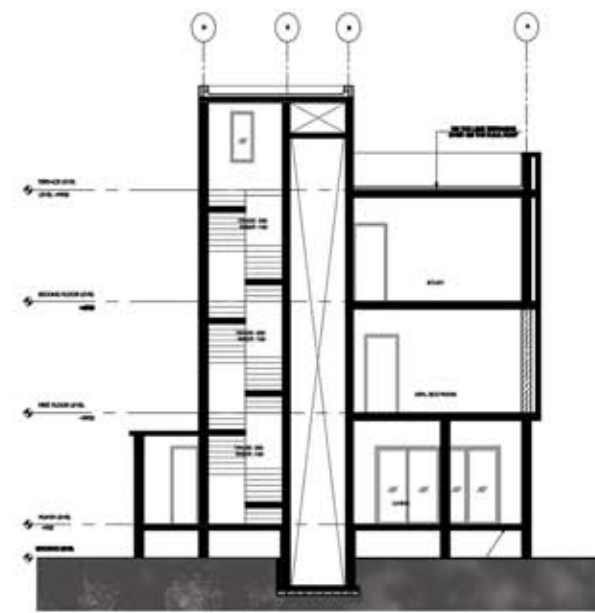
1. ENTRY
2. SERVANTS' ROOM
3. TOILET
4. KITCHEN
5. LIFT LOBBY
6. DINING
7. LIVING
8. BEDROOM
9. STUDY



Roof plan



Section AA'



Section BB'



recreational and hospitality

Contextuality, sense of place and integration with landscape, creates unique place of recreation.

- **TPOLOGY:** Architecture, Recreational, Club
- LOCATION :** Rabindra Sarovar, Kolkata
- AREA :** 2 acres; Built-Up 40, 000 sq. ft
- STATUS :** Built
- DATE OF COMPLETION :** 2017
- LANDSCAPE :** ASAUDP
- STRUCTURAL ENGINEERS :** SPA Consultants
- MEP CONSULTANT :** Saent India Engineering Consultant,
Imperial PHE Services
- CLIENT :** The Bengal Rowing Club





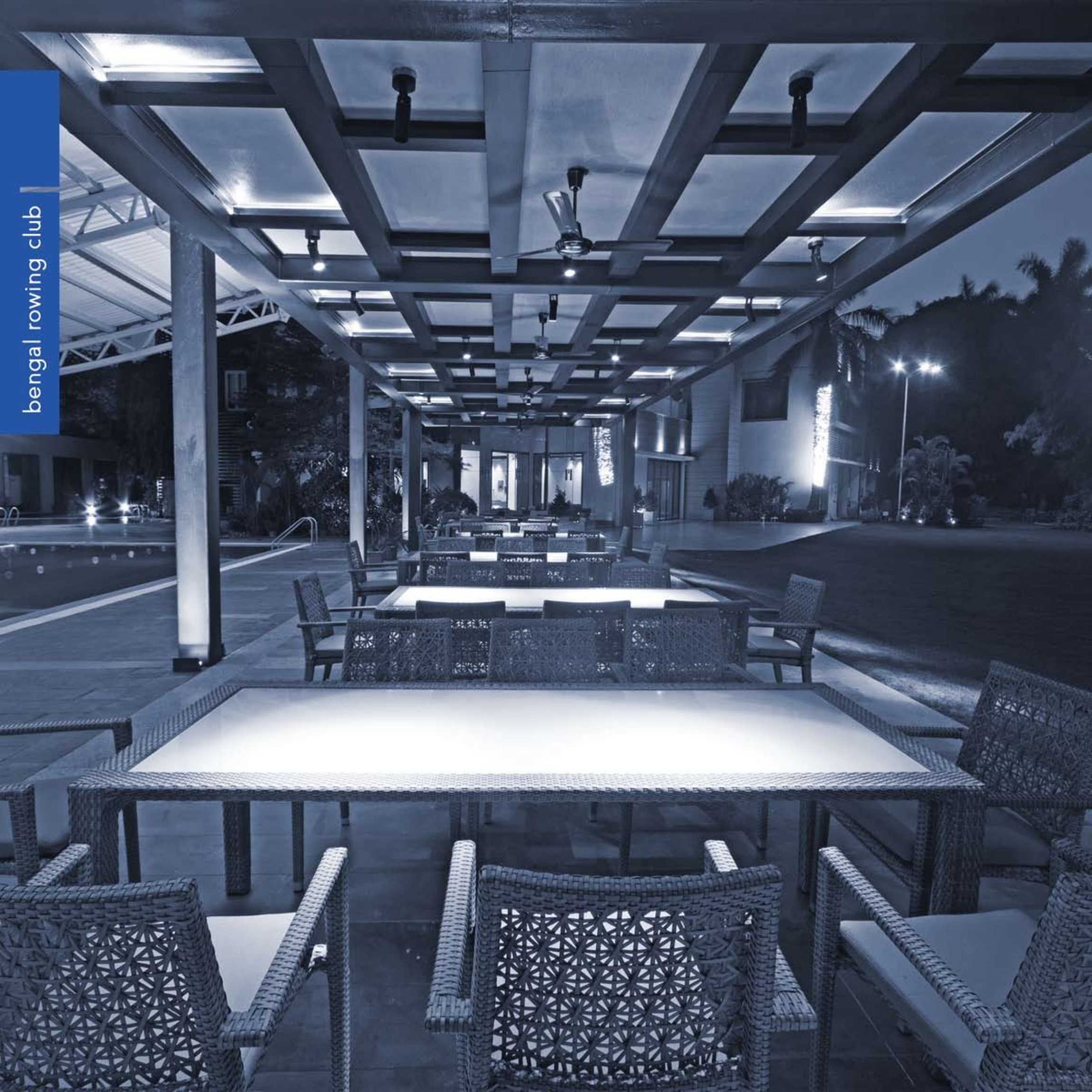
bengal rowing club

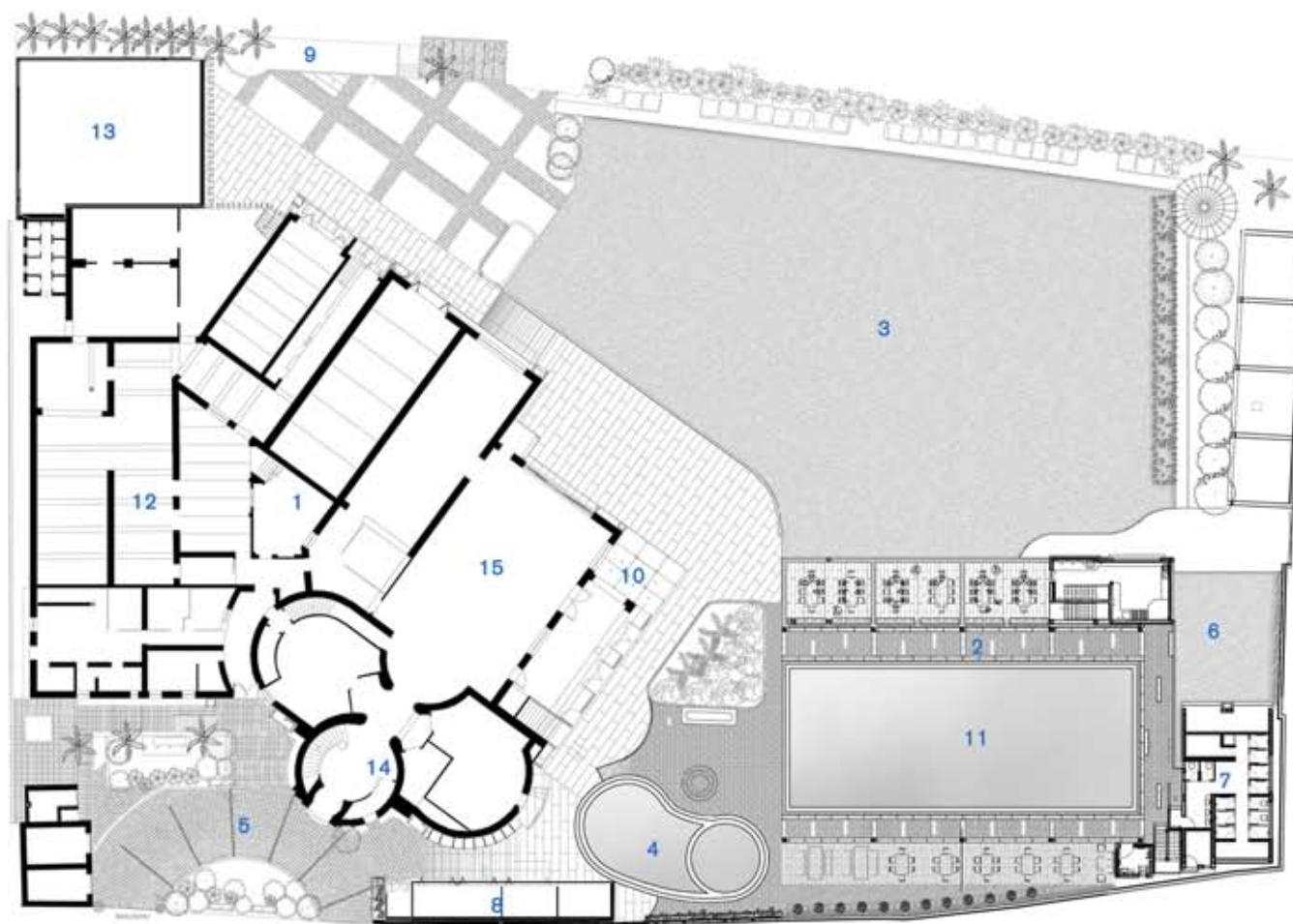
■ The objective was to improve the quality of the club life and the Cultural legacy of the institution. The transformation has helped the club to improve the overall statistics and add muscle to the club's amenities, which in turn, has helped the club encourage deeper connections with the modern communities and attract newer and younger generations. Historically, the club has attracted middle aged members but in recent times a boost in the number of younger members is seen. At the heart of the reconstruction was the idea of making it look young and vibrant. Implementing dynamic designs that are superior and adding a touch of innovation to them.

Refurbishing the firefighting equipment, redesigning electrical outlay and making room for the air conditioner ducts, machines and water pipes. These utilities have then been camouflaged with a decorative yet elegant outer facade. The painting and aesthetics have been homogenized with the color palette of the brown, warm beige and white. This will echo the nestling comfort of nature and give a feel of an urban resort by the lakeside. The terrace on the first floor has been renovated with the glass railings to give an uninterrupted and serene view of the natural water-body attached to the property.



entrance block



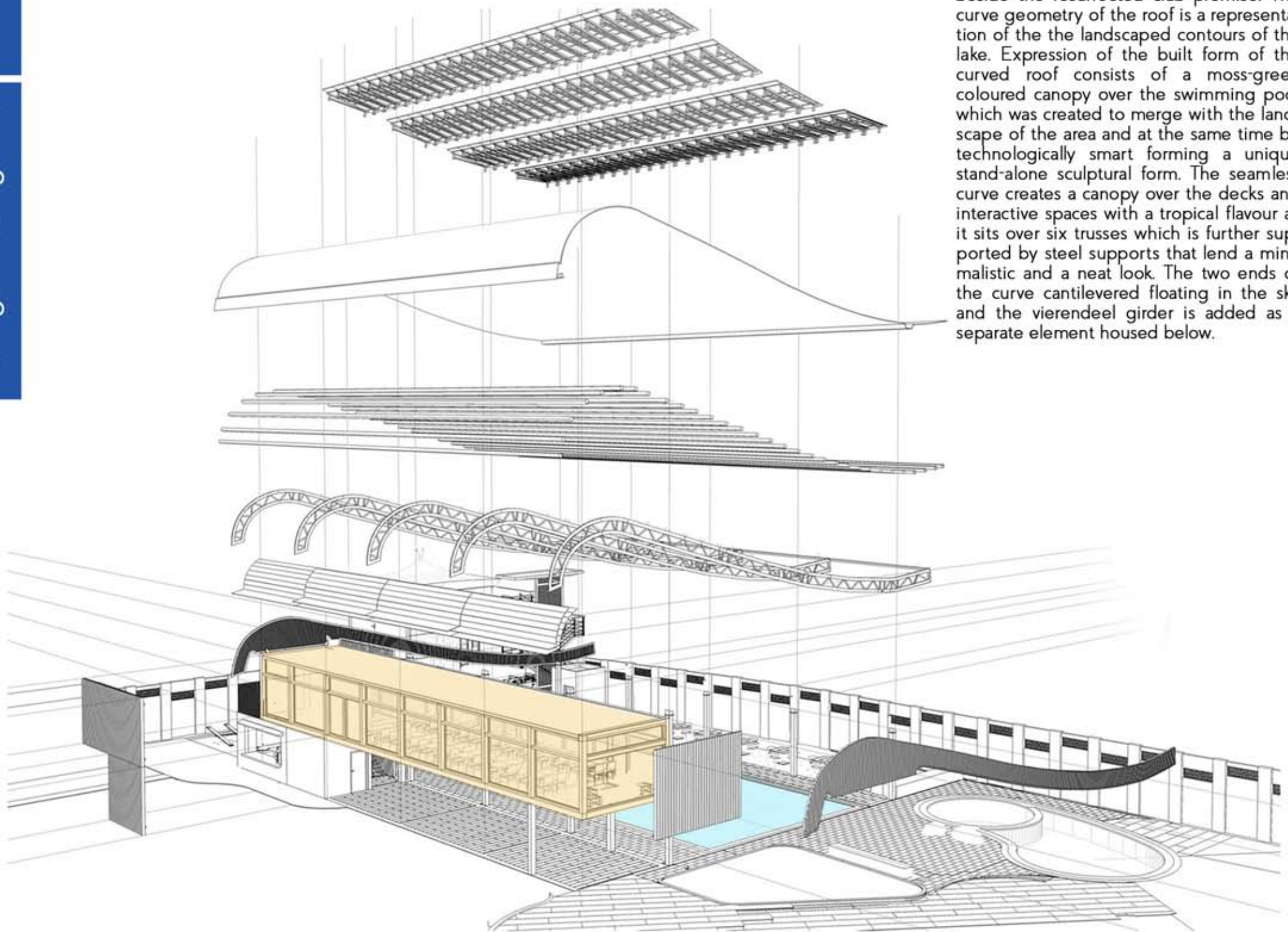


1. MAIN CLUB BLOCK
2. PUBLIC SPACE CANOPY
3. LAWN
4. KIDS POOL
5. ENTRANCE PORTICO
6. KIDS PLAY AREA
7. POOL CHANGING ROOM
8. PUMP ROOM
9. DECK AREA
10. GLASS BOX
11. SWIMMING POOL
12. KITCHEN
13. BOAT HOUSE
14. RECEPTION
15. HALL

site plan
10M



- The public space around the swimming pool was created with a curved roof canopy beside the resurrected club premise. The curve geometry of the roof is a representation of the landscaped contours of the lake. Expression of the built form of the curved roof consists of a moss-green coloured canopy over the swimming pool which was created to merge with the landscape of the area and at the same time be technologically smart forming a unique stand-alone sculptural form. The seamless curve creates a canopy over the decks and interactive spaces with a tropical flavour as it sits over six trusses which is further supported by steel supports that lend a minimalistic and a neat look. The two ends of the curve cantilevered floating in the sky and the vierendeel girder is added as a separate element housed below.



axonometric view of the public space canopy



aluminium box louvers



ms truss



wooden louver



perlins



glass box



conduit roof



ms box frame



lawn side elevation



road side elevation



■ The clubs of Calcutta has essentially been a reflection of the social and cultural fabric of the flavour present in the city. The Club had lost its charm physically due to the years of dilapidation thus the club chose to undertake redevelopment and transform it so that it can take us to the contemporary roots. The combination of part restoration and redesign of the dilapidated edges allowed us to explore the facade so that it tunes in with the tropical character of the city. The objective was to improve the quality of the club life, the Cultural legacy of the institution and increasing the footfall of young people with a modern contemporary look yet having a sensorial and contextual meaning.



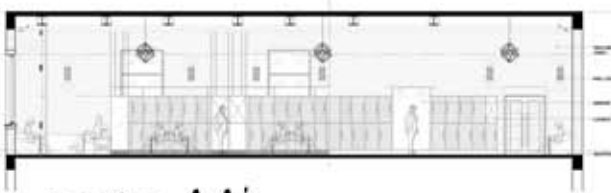
■ **TYPOLOGY:** Recreation and Hospitality
LOCATION : Tollygunge, Kolkata
AREA : 4757 sq.ft
STATUS : Work in progress
STRCTURAL ENGINEER : Er. Soumitra Dutta
CLIENT : Royal Calcutta Golf Club





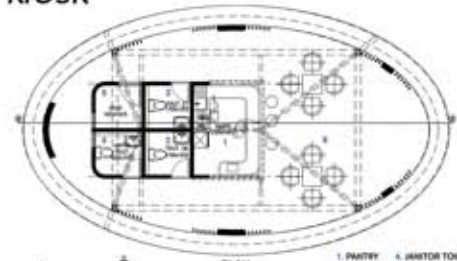
redevelopment of royal calcutta golf club

changing room

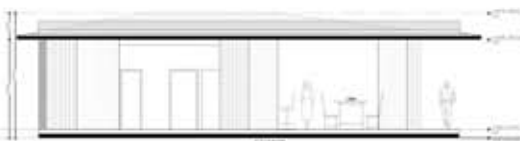


section AA'

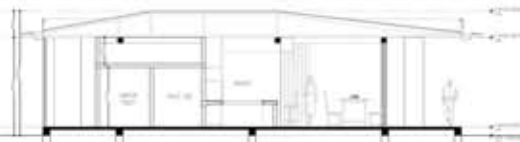
kiosk



plan



section AA'



section BB'



plan

3.8M



- Royal Calcutta Golf Club (RCGC) - the world's third oldest and the country's first golf club has been renovated and restored with keeping the royal British architectural style intact. The project comprising of façade treatment, repairing in both civil and aesthetic parts also represents a detailed understanding of the parent structure. The elegantly designed changing room for both male and female, showcases the detailing in material palette selection for interior. Evoking with the extraordinary contemporary architecture through shades of grey and brown the food kiosk is a blend of modernism with the historical vicinity.

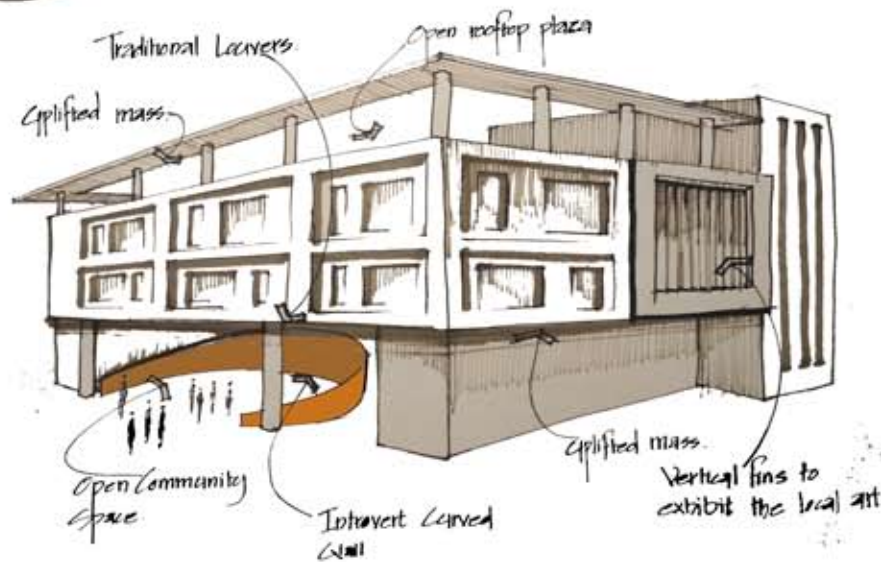


- **TYPOLOGY:** Recreation and Hospitality
- LOCATION:** Newtown, Kolkata
- AREA:** 30,000 sq.ft
- STATUS:** Work in progress
- STRUCTURAL CONSULTANT:** Poseidon engineering
- MEP CONSULTANT:** Ashok Ghosh and Amal
- CLIENT:** Newtown Development Authority





community hall



- Situated in heart of new town. challenge was to keep the essence of traditional architecture intact. Site surrounded by roads on three sides is focused upon use of open interactive spaces through its traditional landscape elements.

Building comprising banquet hall, guest residences, rooftop plaza and multipurpose gathering space is an urban mirror of contemporary architecture. linking the roots of tradition to the modernism. Focus upon depiction of local art through painted louvers and terracotta walls are designed to be the points of accentuation. The curved terracotta wall is making the intangible space tangible through its introvert design.

The oval building forms the heart of support facility which includes recreational facilities such as cafeteria and play areas. The curved wall is breaking the monotony of rectilinear grid and creates an organic design merging with the landscape.





Cantilevered slab



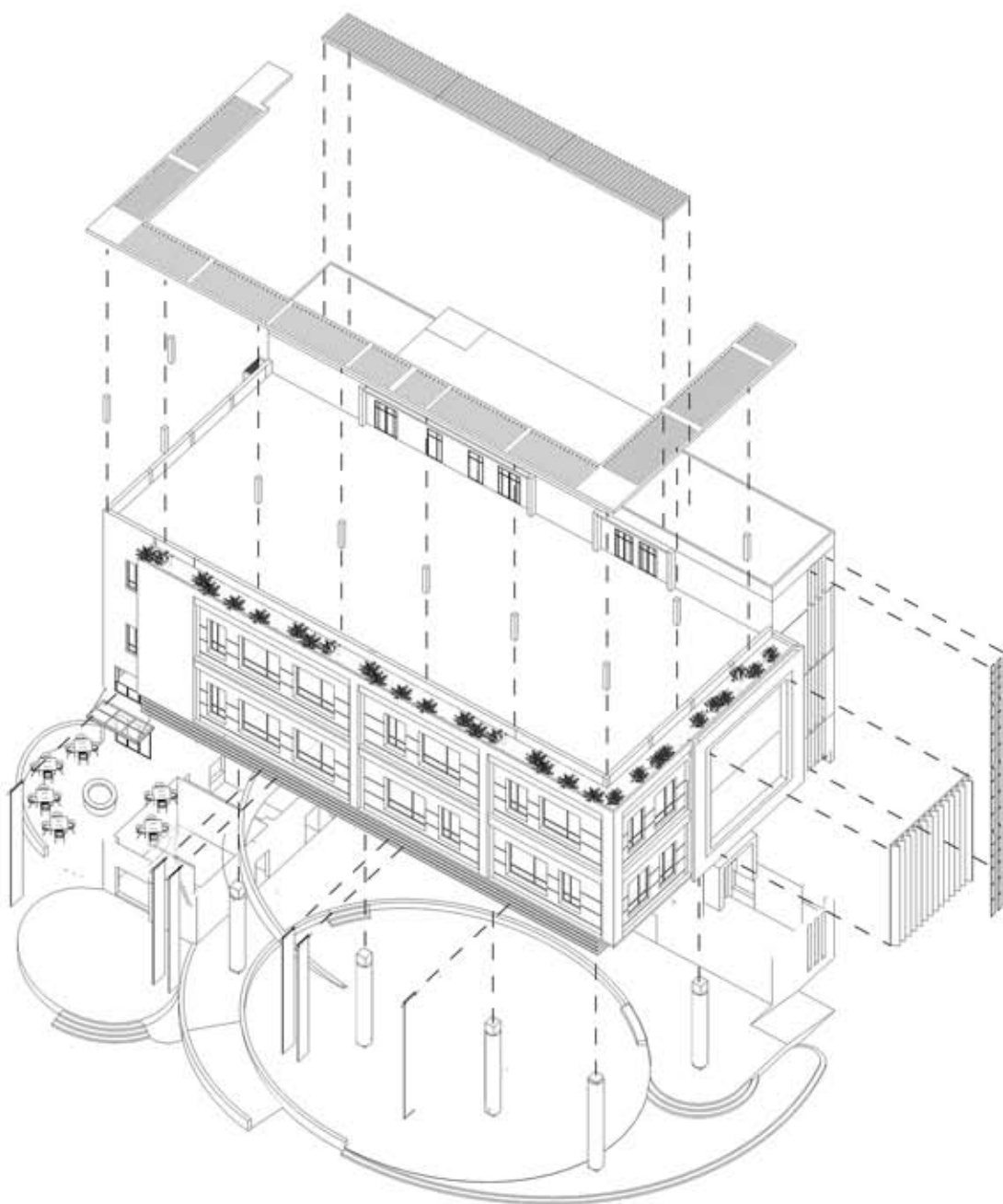
Planters



Chajja projection



Painted slits



Horizontal louvers



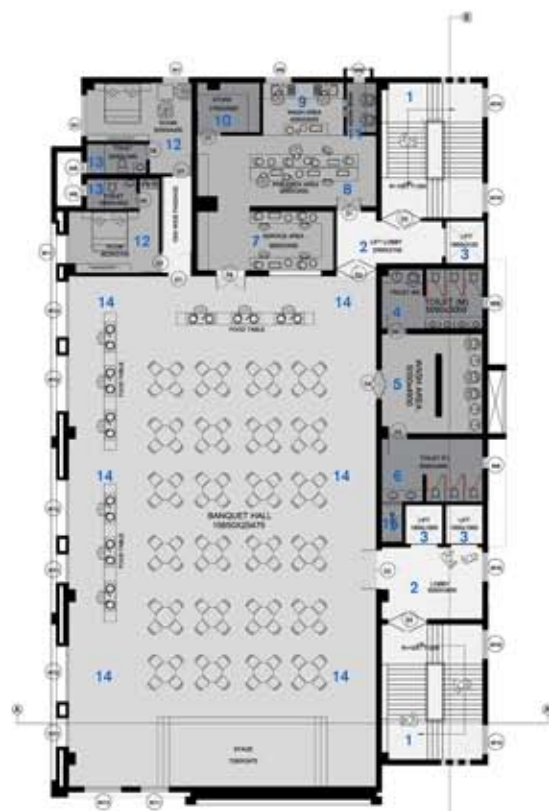
Vertical slits



Exhibition canvas

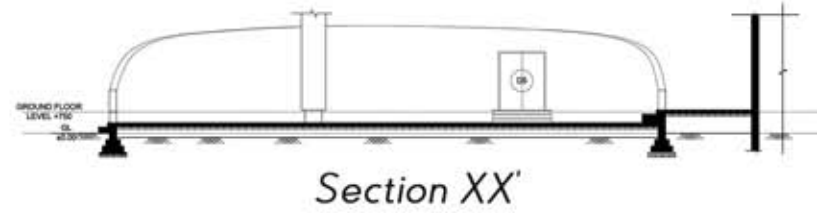


Colour contrast

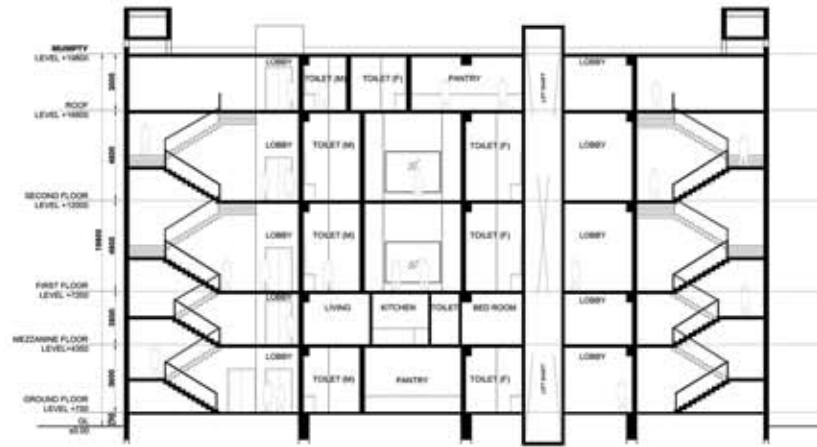


Typical first & second floor plan

- | | |
|--------------|------------------|
| 1. STAIRCASE | 4. TOILET MALE |
| 2. LOBBY | 5. WASH AREA |
| 3. LIFT | 6. TOILET FEMALE |

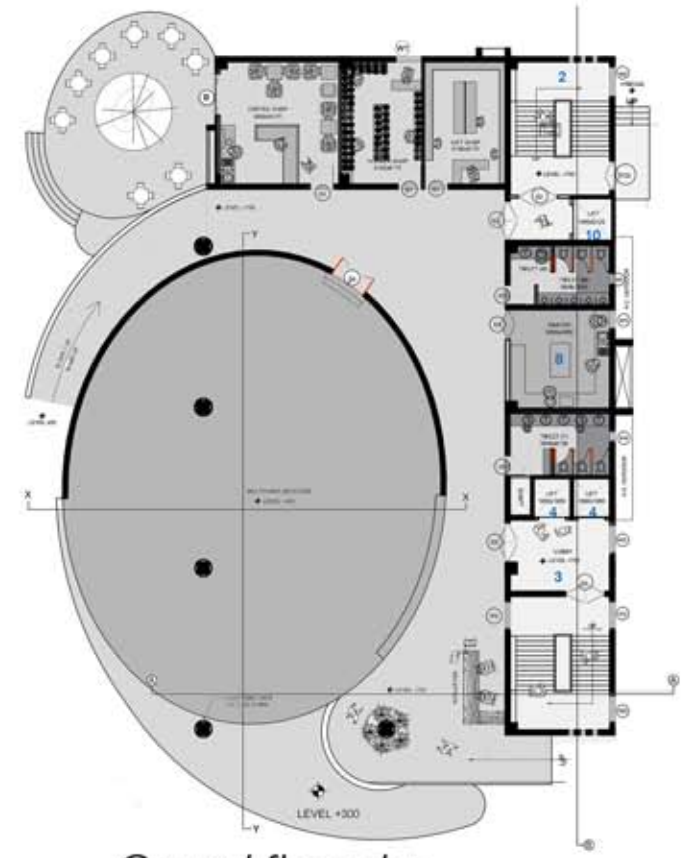
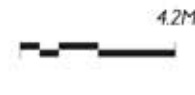


Section XX'



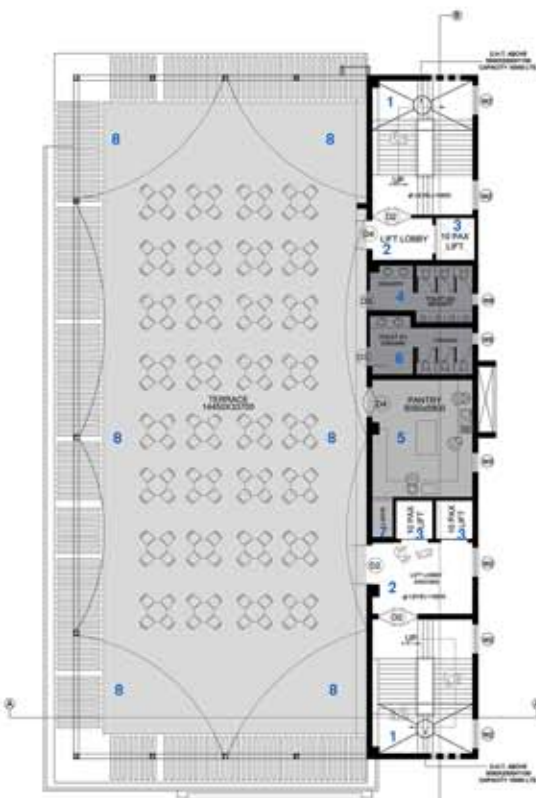
Section BB'

- | | | |
|------------------|---------------|------------------|
| 7. SERVICE AREA | 10. STORE | 13. TOILET |
| 8. PRE COOK AREA | 11. HAND WASH | 14. BANQUET HALL |
| 9. WASH AREA | 12. ROOM | 15. SHAFT |



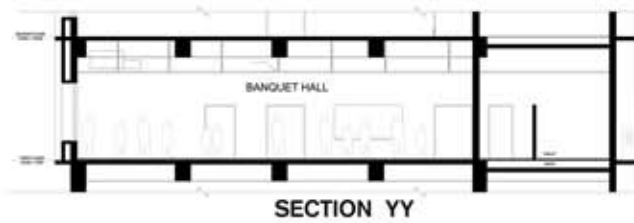
Ground floor plan

- | | |
|------------------|----------------------|
| 1. RECEPTION | 6. GIFT SHOP |
| 2. STAIRCASE | 7. MULTIPURPOSE HALL |
| 3. LOBBY | 8. PANTRY |
| 4. 10 PAX LIFT | 9. TOILET MALE |
| 5. TOILET FEMALE | 10. SERVICE LIFT |

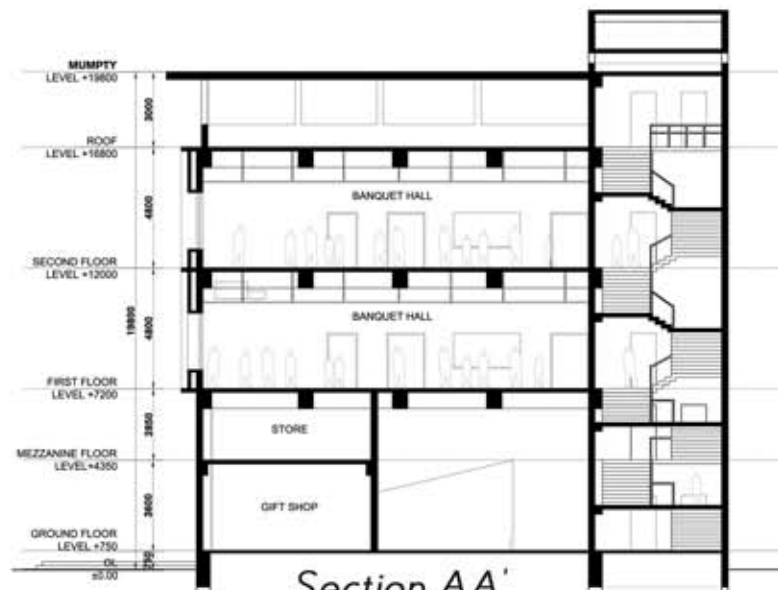


Roof floor plan

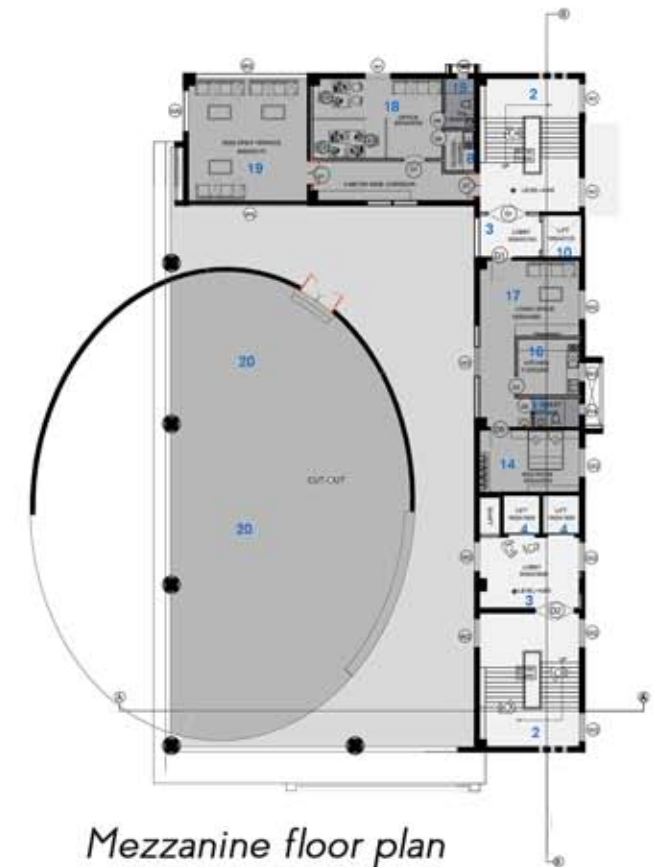
- | | |
|----------------|------------------|
| 1. STAIRCASE | 5. PANTRY |
| 2. LOBBY | 6. TOILET FEMALE |
| 3. LIFT | 7. SHAFT |
| 4. TOILET MALE | 8. TERRACE |



SECTION YY



Section AA'



Mezzanine floor plan

- | | |
|---------------------|-----------------------|
| 11. GIFT SHOP | 16. KITCHEN |
| 12. FLOWER SHOP | 17. LIVING SPACE |
| 13. COFFEE SHOP | 18. OFFICE |
| 14. BED ROOM | 19. SEMI OPEN TERRACE |
| 15. ATTACHED TOILET | 20. CUT-OUT |

■ **TYPOLOGY:** Architecture and Master-Planning, Hospitality
LOCATION : Amtala, West Bengal
AREA : 40, 000 sq. ft
STATUS : Built
DATE OF COMPLETION : 2012
LANDSCAPE : PL Design, Thailand
INTERIORS : Maheshwari and Associates
STRUCTURAL ENGINEERS : Sinha and Associates
CLIENT : Merlin Leisure Pvt. Ltd.





ibiza resort

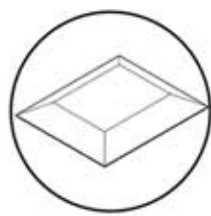
■ A hospitality project expressing a contemporary colonial theme in a sprawling resort in Kolkata's high density urbanity. This resort is a minimalistic re-interpretation of a Spanish colonial style around a tropical water body. A collaborative effort between the architect (ASAUDPI), the landscape architect (PL Design. Thailand), lighting consultants, interior designers and significant client input (Merlin Resorts) - the master plan design comes with a hotel block, villas, a lobby, a banquet, stand alone bars and a spa. The hotel block is the first built phase and the balance is being constructed in a phased manner, without disturbing the existing running facilities.

The site came with a large water body and with that the challenge to incorporate the many independent functions of the resort in the master plan. The idea of an arrival, loggias, canopies and walkways with arches and pitched roofs is the basis of the design language.

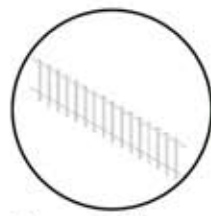
Along with PL Design of Thailand, the landscape architect of the project, it was decided to use the local vegetation aesthetically to create a beautiful green gateway, minutes away from the concrete of Kolkata. In order to preserve the vegetation and make the most use of the water body, the master plan is designed in such a way that all rooms have the lake view.



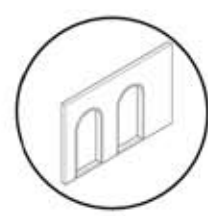
view of the hotel block



roof



iron railings



arches



reflecting pool



arched walkway



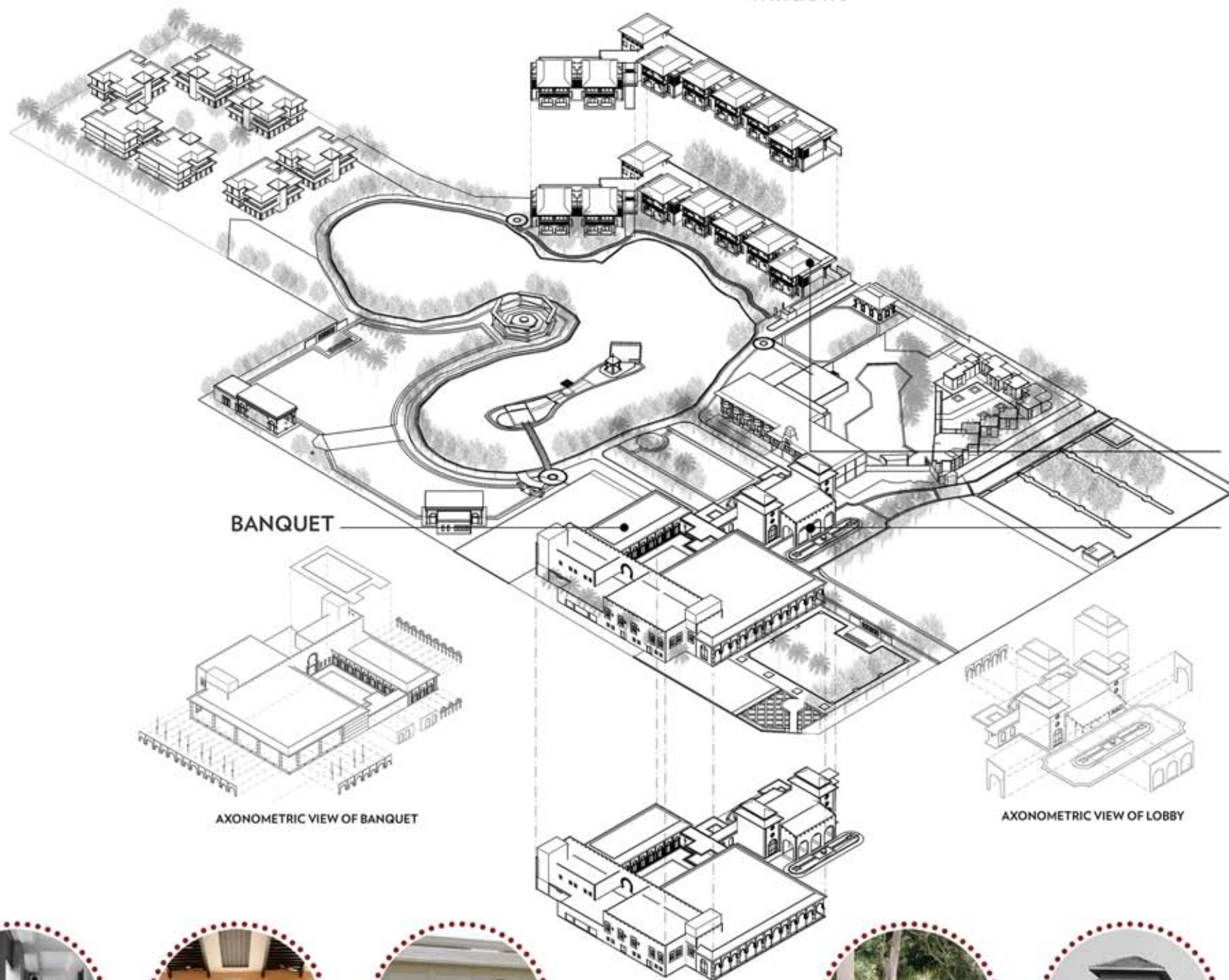
wooden louvers



arches over windows



arched colonnade



BANQUET

HOTEL

LOBBY

AXONOMETRIC VIEW OF BANQUET

AXONOMETRIC VIEW OF LOBBY



corridors



arches



arched colonnades



balcony



roofs



pathways



1. HOTEL
2. SPA
3. KIDS' POOL
4. SWIMMING POOL
5. COTTAGE
6. LOBBY
7. DROP OFF
8. LOBBY GARDEN
9. BANQUET
10. RESTAURANT
11. TENNIS COURT
12. ACTIVITY LAWN
13. CLUB BUILDING
14. PAVILION
15. WATERFALL
16. RESORT
17. ROAD
18. GARDEN
19. LAKE
20. FOUNTAIN PLAZA

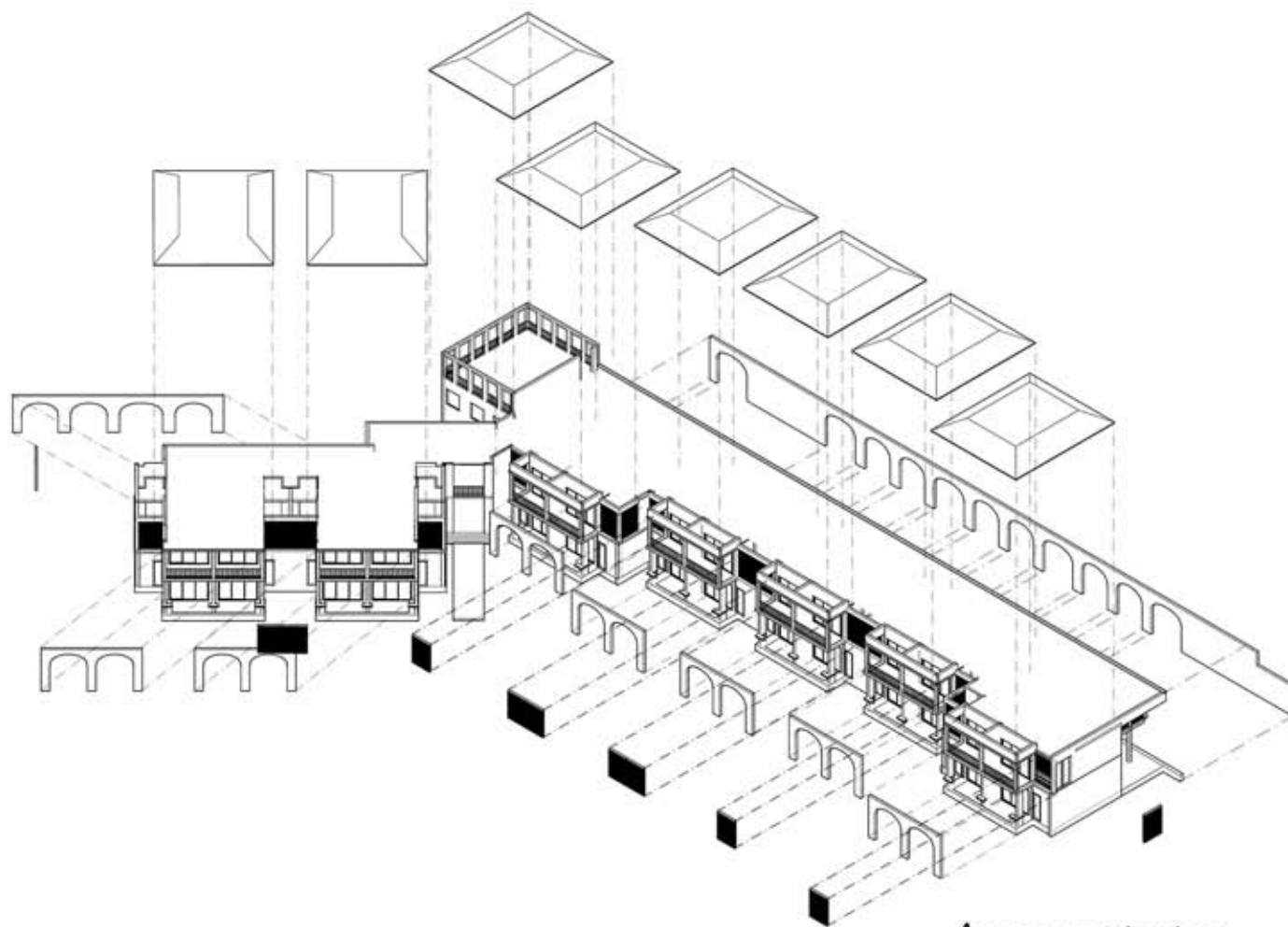
site plan



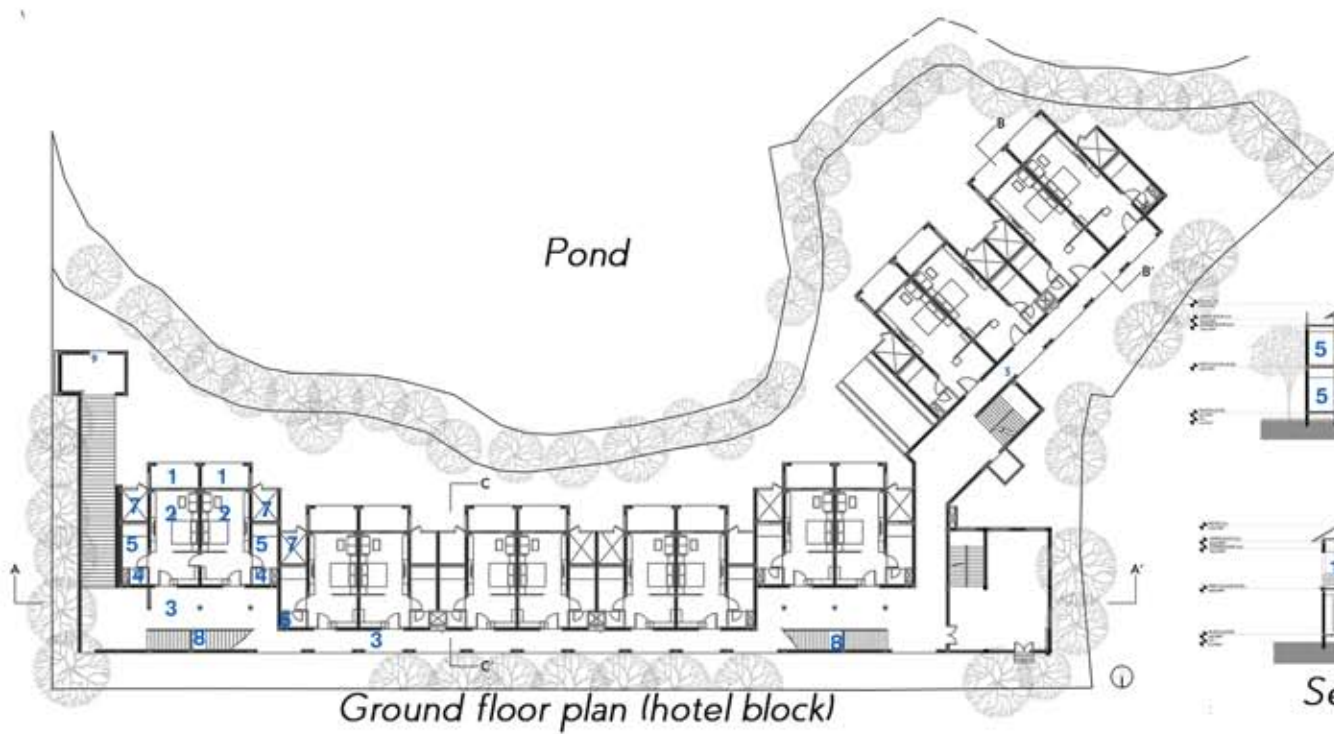
entrance to ibiza



view of the hotel block



- 1. BALCONY
- 2. BEDROOM
- 3. WALKWAY
- 4. BATH
- 5. TOILET
- 6. DUCT
- 7. GARDEN
- 8. SERVICE BLOCK

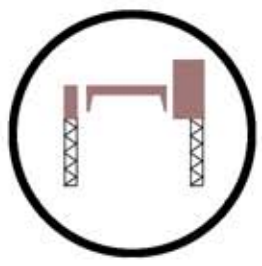


industrial

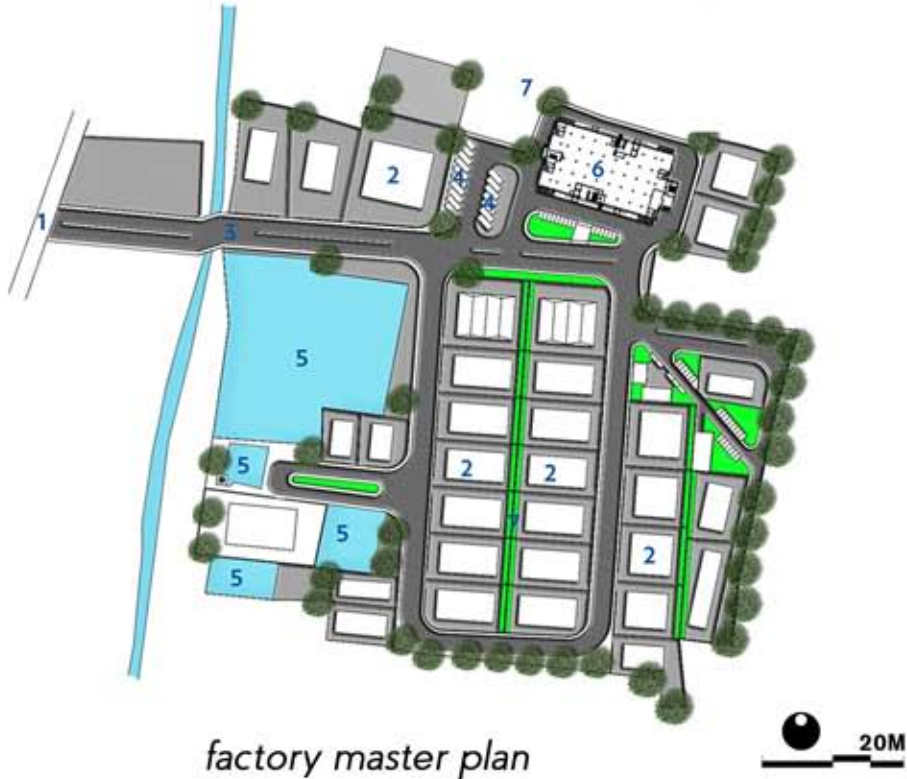
It is where character flows from functionality. Effective service planning along with simple yet aesthetic character, creating an identity in this typology.

- **TYPOLOGY** : Industrial
- LOCATION** : Howrah, West Bengal
- AREA** : 2,00,000 sq.ft
- STATUS** : Built
- STRUCTURAL ENGINEERS** : SPA consultants
- MEP CONSULTANT** : ECON INDIA
- CLIENT** : South city projects





south city infra park

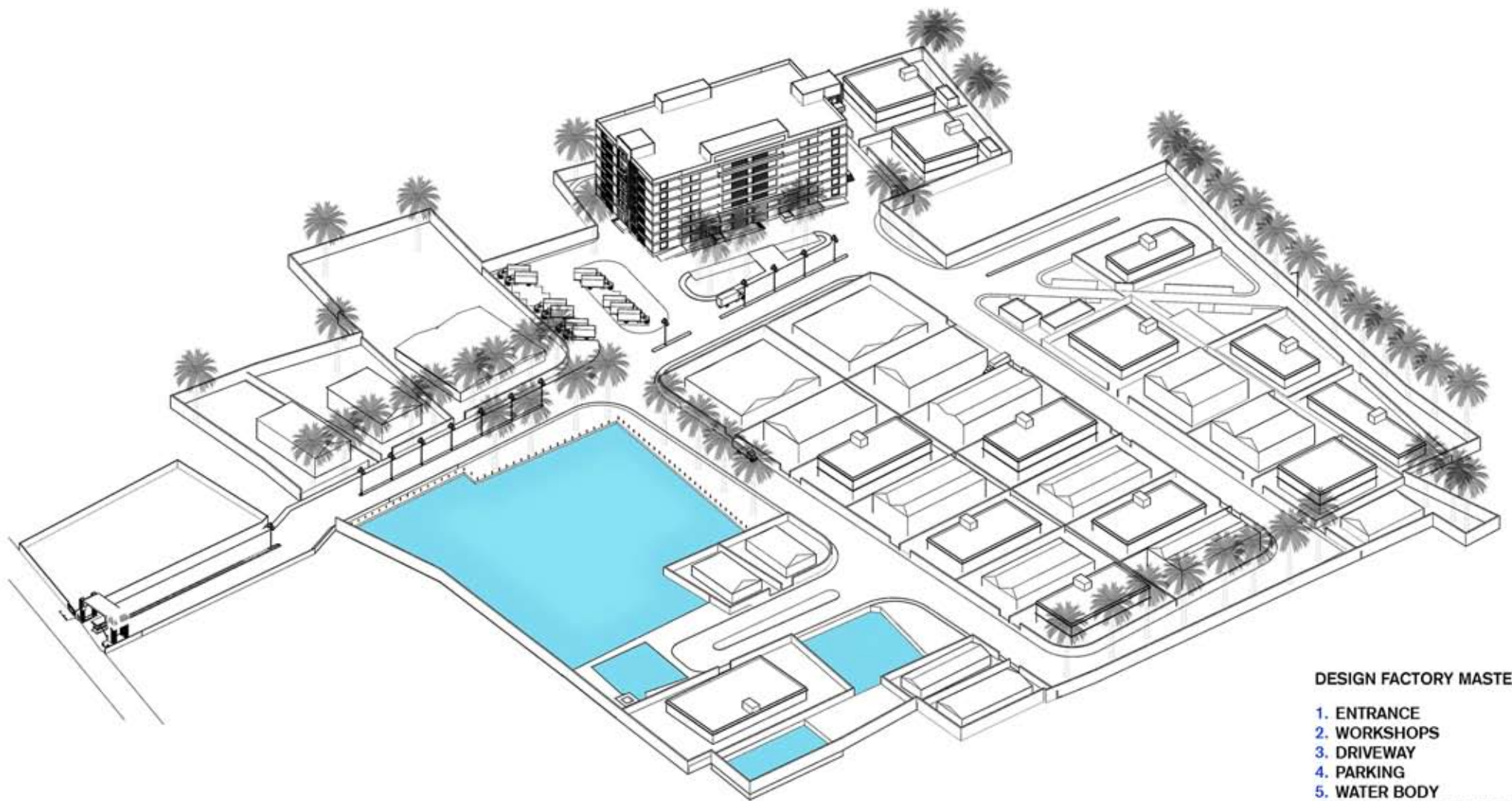


factory master plan

- One master plan allowed several possibilities of industrial units with the campus of 26 acres. Industrial Infrastructure orientation really imparts the economy.

Keeping in mind the upsurge of small and medium scale industries in West Bengal and the dire need for such factories to come up outside of the boundaries of the city of Kolkata, our clients approached us with the brief to design a Standard Design Factory. Consequently, the SDF at Howrah has been designed with modules for small, medium and large scale industries over 200,000 square feet. The facility will have all amenities including a workers' cafeteria, ample parking for transport, power back up and a green periphery.

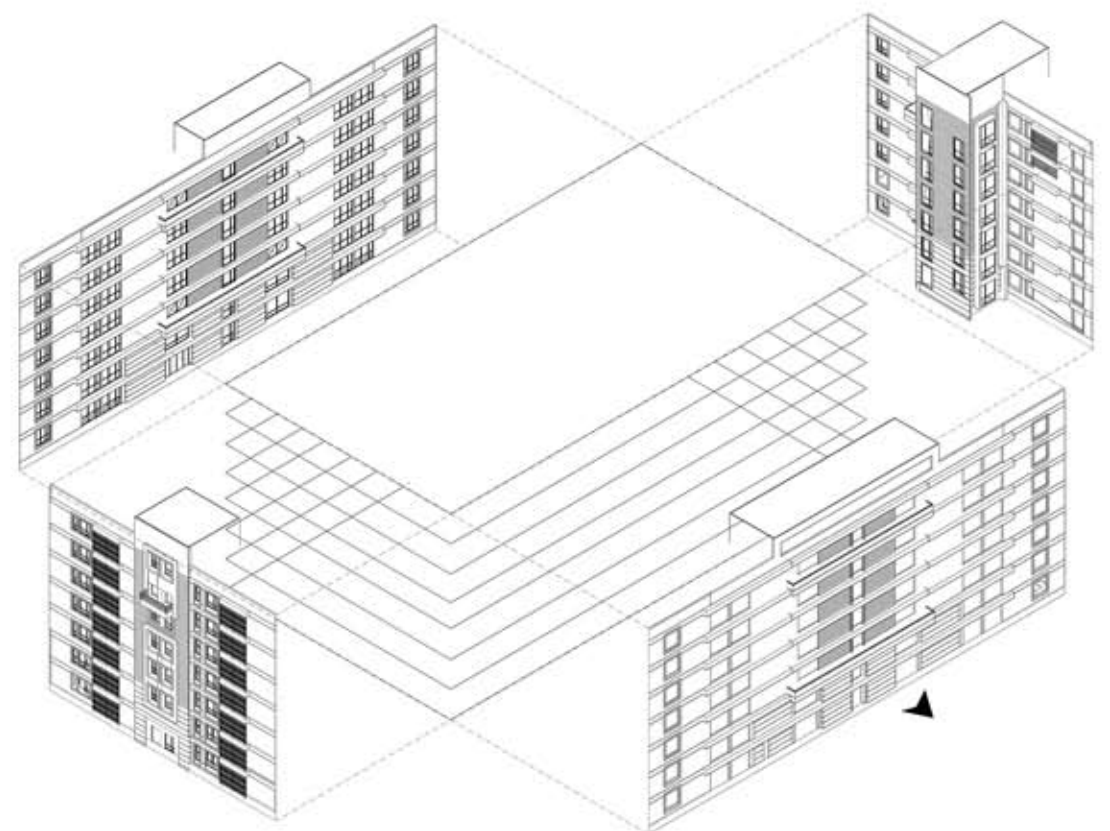
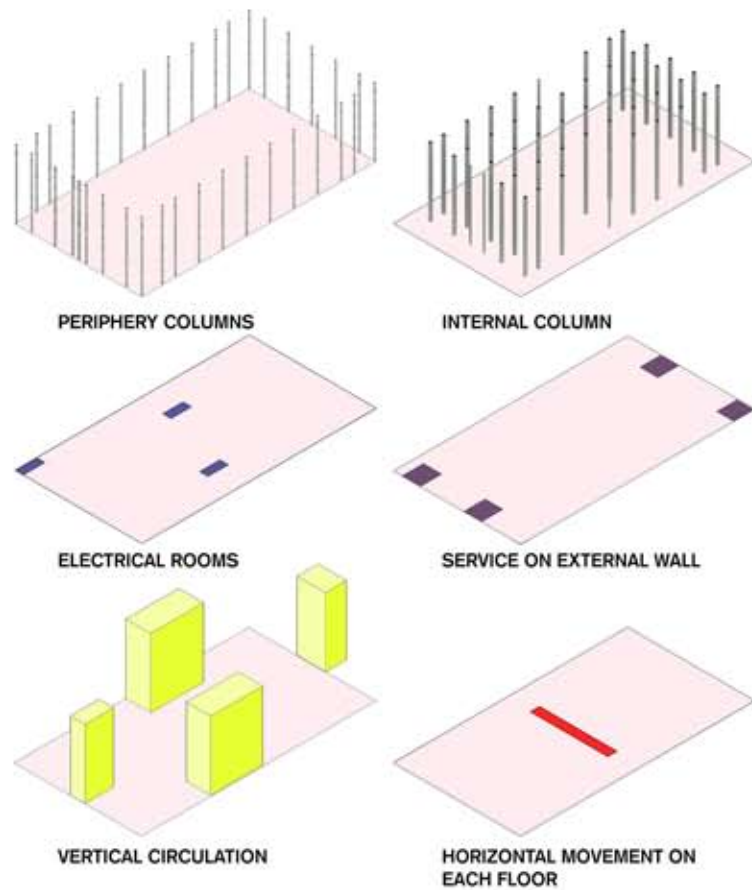




DESIGN FACTORY MASTER PLAN

1. ENTRANCE
2. WORKSHOPS
3. DRIVEWAY
4. PARKING
5. WATER BODY
6. MAIN FACTORY BUILDING
7. GREEN SPACES

factory master plan view



exploded view showing elevations

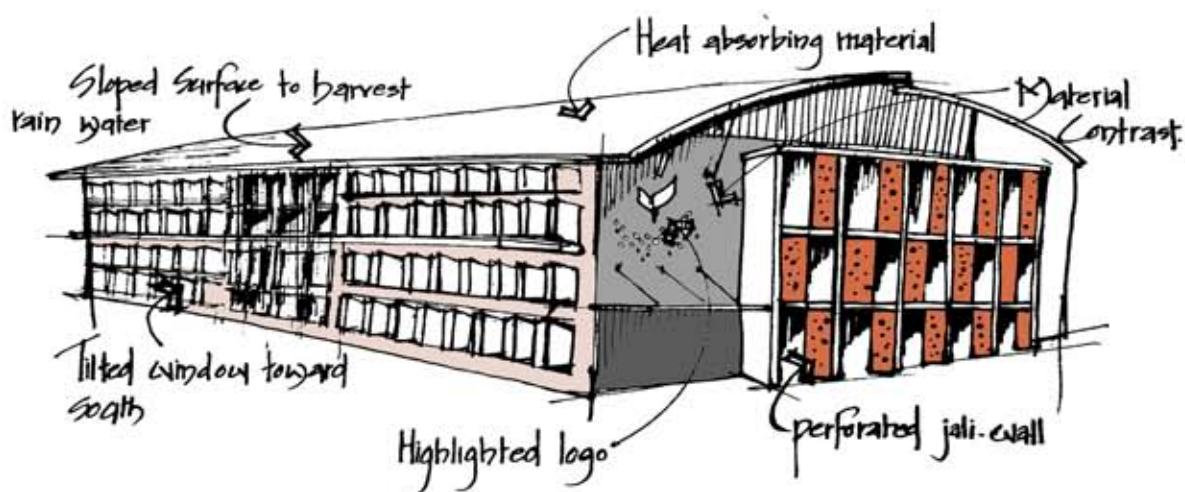


- **TPOLOGY:** Industrial
- LOCATION :** Salap more, Domjur, Howrah
- AREA :** 1, 43, 426 sq.ft
- STATUS :** Work in progress
- MEP CONSULTANT :** PP associates, Coimbatore
- STRUCTURAL CONSULTANT :** SPA Consultant
- INTERIORS :** ASAUDP
- CLIENT :** Madhu Jayanti International Limited





madhu jayanti international limited



The tea blending facility on the national highway near Kolkata evokes an extraordinary contemporary character in an industrial design with hues of grey terracotta. Located in an industrial zone of Kolkata, MJIL represents the ultimate climatological considerations in design through its tilted windows toward south. The cross ventilation inside is enhanced through reversing the position of ventilators in south and north direction. The metal jalis enhancing the Ventury's effect on the southern façade of the offices located in front area of whole building are nicely reducing the air conditioning load required. Steel has been innovatively used to construct large span modular construction and the shaded canopy. The focus was driven toward climatic consideration such as ventilation and rain water harvesting systems.





Logo



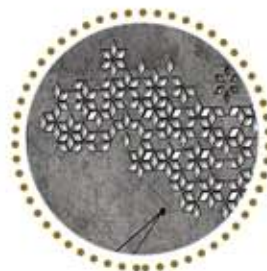
Stone cladding



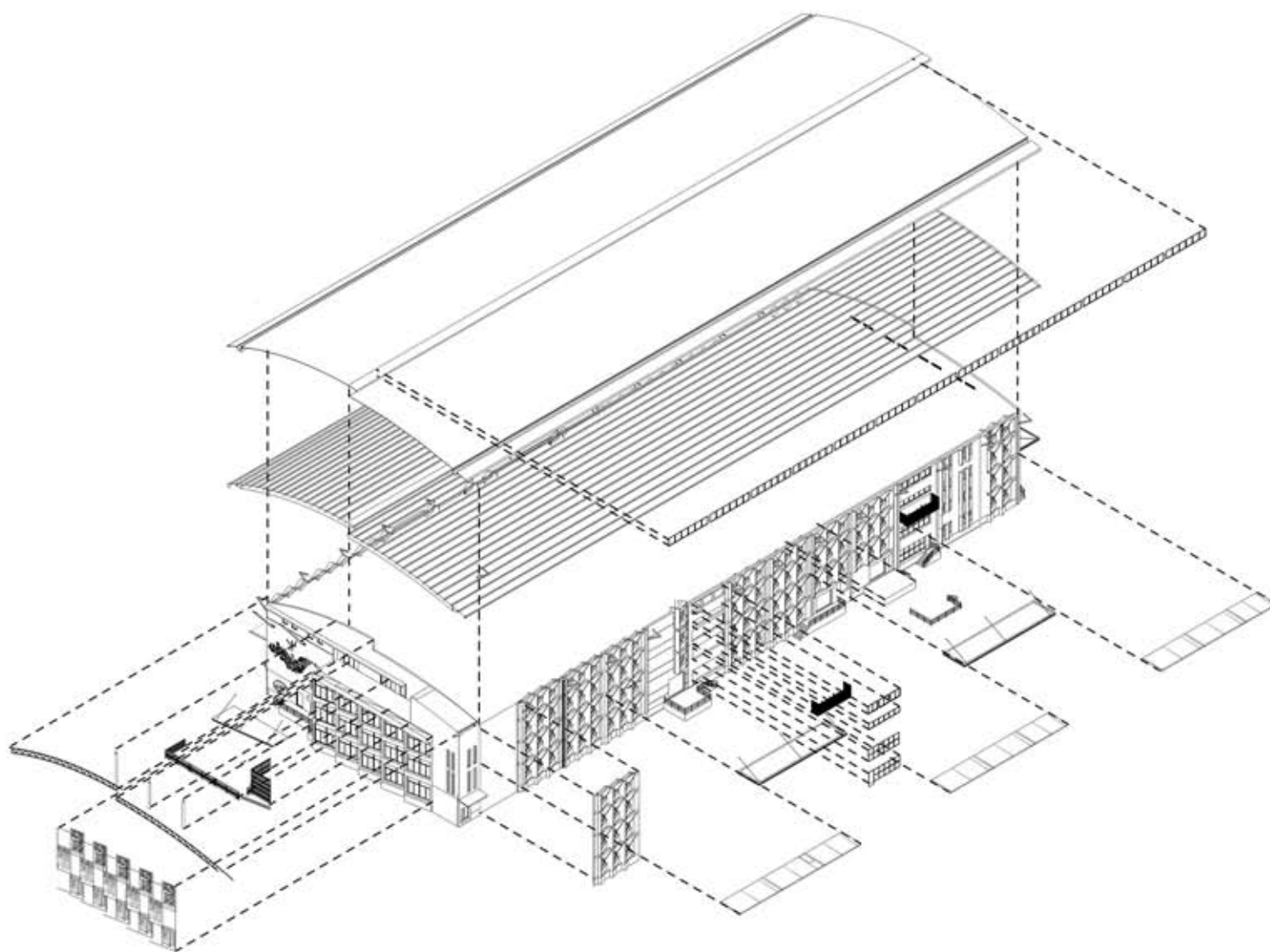
Suspension rope



Roof truss



Grooved design



Purlins



Louvered windows



Structural supports



Louvers

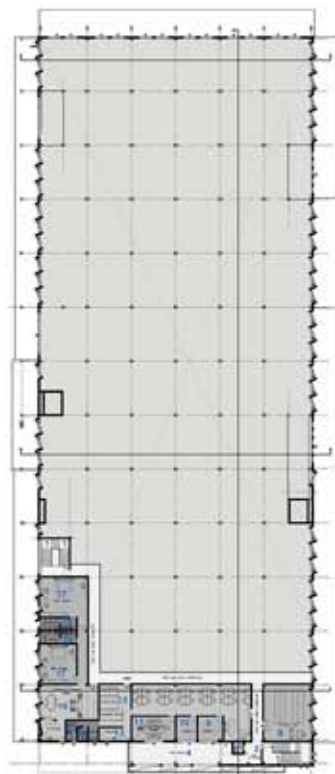


Signage

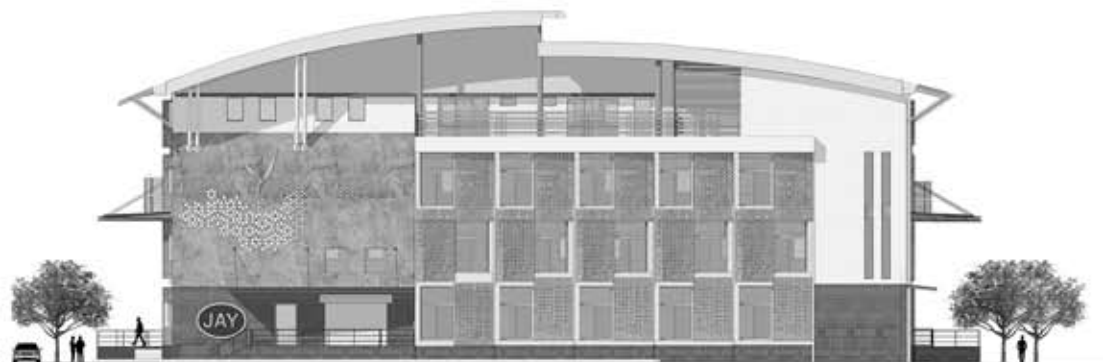


Second floor plan

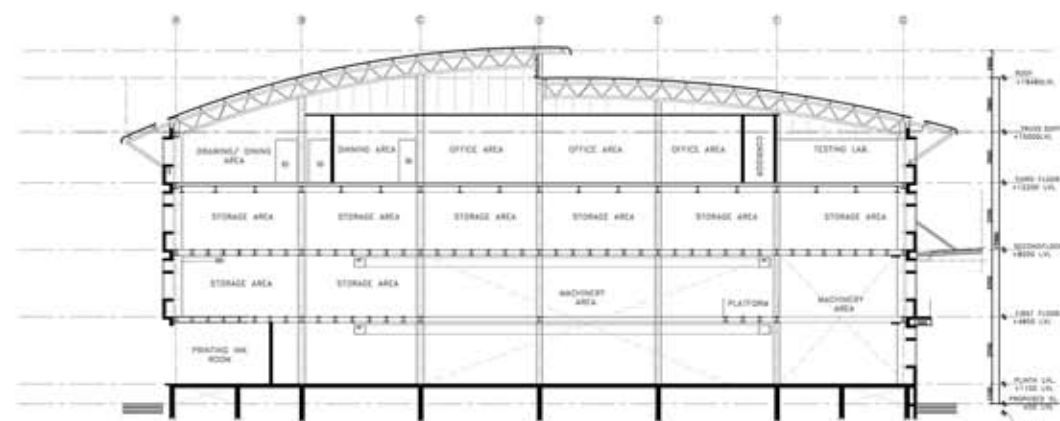
1. STAIRCASE
2. LOBBY
3. OFFICE AREA
4. SUPPLY LIFT
5. STORAGE AREA
6. INSTALLATION
7. TESTING LAB
8. CABIN 1
9. CABIN 2
10. CONFERENCE ROOM
11. DINING ROOM
12. PANTRY
13. STAFF TOILET MALE
14. STAFF TOILET FEMALE
15. DRAWING/DINING AREA
16. BED ROOM
17. TOILET



Third floor plan



Front side elevation



Section AA'



Ground floor plan

1. PRINTING INK ROOM
2. PRINTING OFFICE
3. OFFICE AREA
4. STAIRCASE
5. BASIN AREA
6. NEW MARK ANDY
7. PRINTING AREA
8. PACKING MAT AREA
9. MC.REBUILD ROOM
10. FLOOR OFFICE
11. LOBBY
12. SUPPLY LIFT
13. WORKER'S ENTRY
14. FEMALE LUNCH ROOM
15. CHANGING ROOM FEMALE
16. CHANGING ROOM GENTS
17. TOILET FEMALE
18. BLACK TEA BLENDING AREA
19. BALK TEA AREA
20. BOX FORMER AREA
21. BOPP AREA
22. FINISHED GOOD RACK
23. OFFICE AREA
24. STORAGE AREA
25. COLD ROOM
26. ANTI ROOM
27. FLAVOUR BLENDING ROOM
28. MALE LUNCH SECTION
29. STAFF LUNCH ROOM
30. TOILET
31. STAFF TOILET MALE
32. STAFF TOILET FEMALE
33. HOPPER SECTION



First floor plan



Side elevation



Side elevation



Section DD'



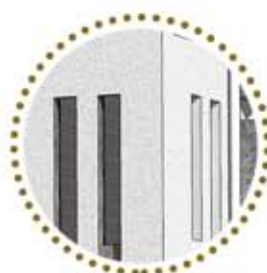
Roof lighting



Canopy



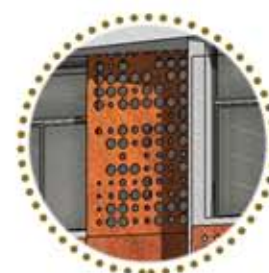
Tilted windows



Vertical slits



Roof gutters



Perforated jali wall

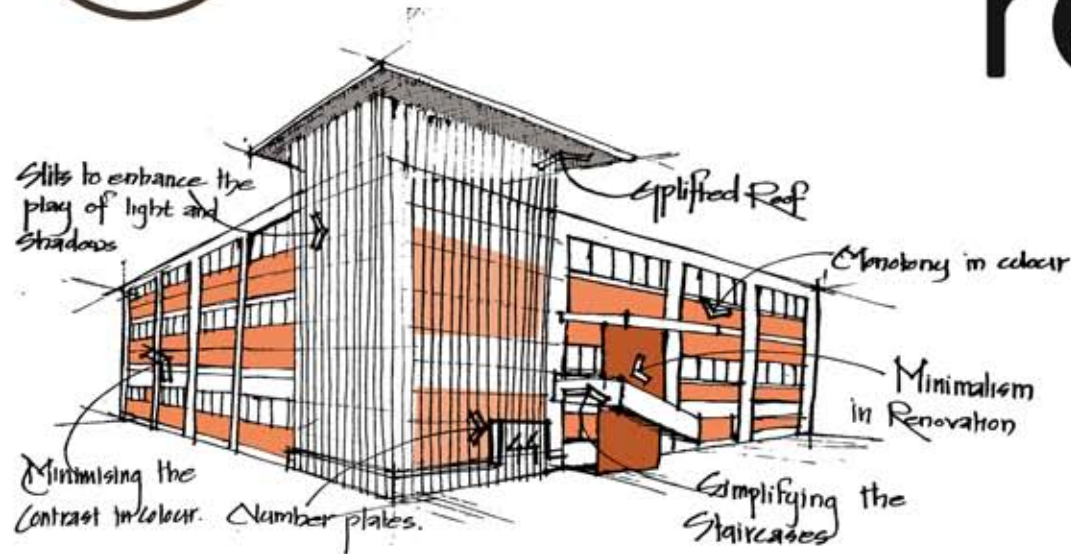


- **TYPOLOGY:** Industrial
- LOCATION :** Batanagar, Kolkata
- AREA :** 46.2 acres
- STATUS :** Work in progress
- STRUCTURAL CONSULTANT :** Poseidon Engineering Services
- INTERIORS :** ASAUDP
- CLIENT :** Bata Industries





batanagar factory revitalisation



The bata facility is a 100 year factory is being modernized in suit of contemporary industrial project. optimized with carefully programmed support facility. Being a renovation project. the area of focus became the understanding of the existing context. The site bestowed with riverfront needed the part of riverfront development too. The philosophy of Bata of the simplicity is directly reflected in the design through minimalism followed. The special emphasis on use of material shows the understanding of context. This program was conceptualized by ASAUDP as a stack of interventions for the smaller areas according to the problems identified.





Colour contrast



Entrance gate



Horizontal louvers



Number plates



Vertical fins



site plan



Cantilivered slab



Park benches



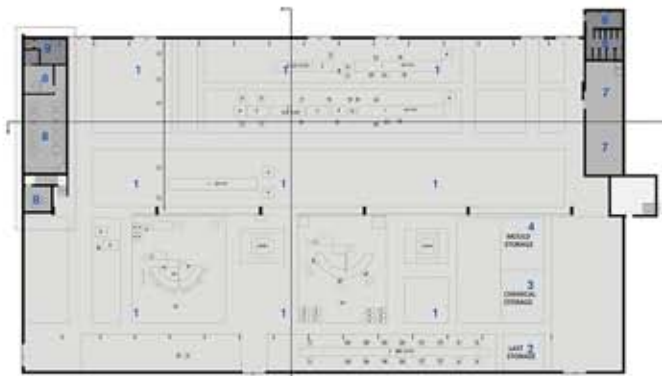
Pergolas



Staircase



Deck



building 42 plan

- N
- | | | |
|---------------------|------------------|-----------------|
| 1. WORKING AREA | 4. MOULD STORAGE | 7. BULK STORAGE |
| 2. LAST STORAGE | 5. TOILET | 8. OFFICES |
| 3. CHEMICAL STORAGE | 6. HAND WASH | 9. TOILET |



building 43 plan

- | | |
|-----------------|---------------------|
| 1. WORKING AREA | 4. STORAGE |
| 2. TOILET | 5. OFFICE CABINS |
| 3. HAND WASH | 6. CHEMICAL STORAGE |



building 33 elevation

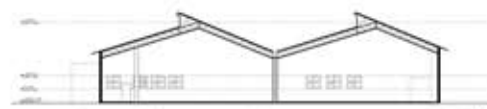


building 33 section AA'



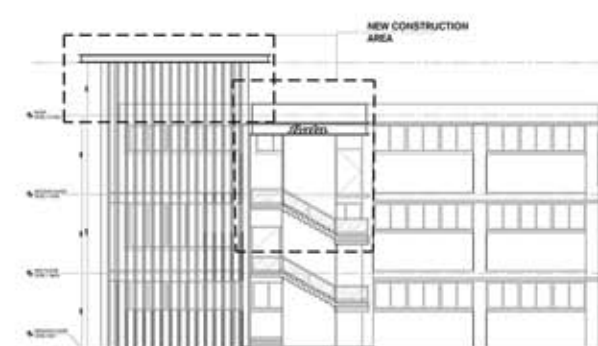
building 33 section BB'

- | | |
|---------------------|------------------------|
| 1. STAIRCASE | 7. DISCUSSION ROOM |
| 2. LIFT | 8. STORAGE |
| 3. VPPD | 9. CAD CAM DEVELOPMENT |
| 4. MATERIAL LIBRARY | 10. MEETING ROOM |
| 5. MANAGER PD | 11. CORRIDOR |
| 6. R AND D | 12. WORKING AREA |



building 42 section BB'

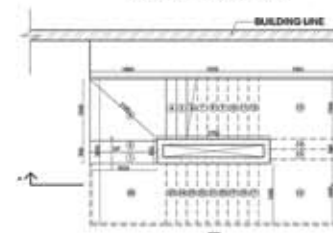
building 44 plan ● N



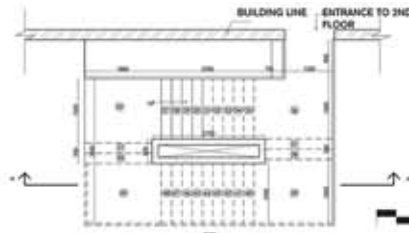
FRONT SIDE ELEVATION-BLOCK 44



ELEVATIONAL VIEW OF STAIRCASE



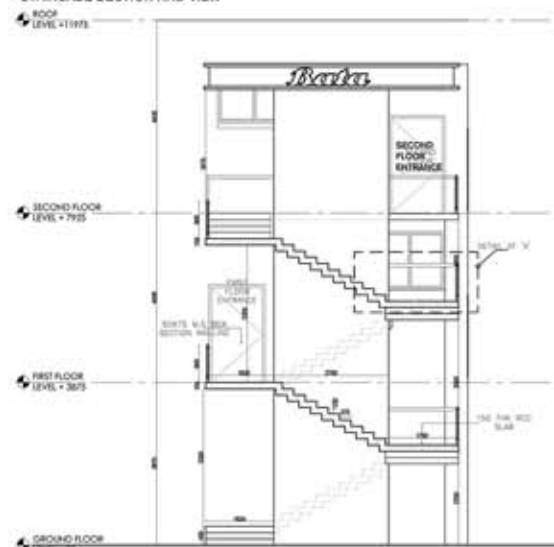
PLAN AT GROUND FLOOR TO FIRST FLOOR



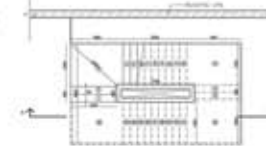
PLAN AT FIRST FLOOR TO SECOND FLOOR PLAN

12M

STAIRCASE SECTION AND VIEW



building 44 staircase block detail



SECTIONAL VIEW



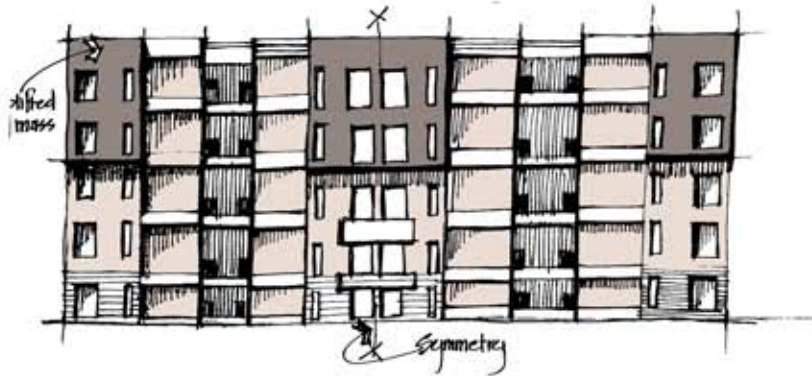
■ **TPOLOGY:** Office and residential
LOCATION : Gloster jute mill, bauria, howrah
AREA : 114338 sq.ft.
STATUS : On- going
MEP CONSULTANT : D' plubing consultants
STRUCTURAL CONSULTANT : SPA consultant
CLIENT : Gloster Limited





gloster ltd.

- Sitting in the bank of river Hoogly. Gloster mill bestowed with an elegant colonial architecture. needed the residences for workers. The hierarchical pattern followed in master planning reflects the colonial style. The bank of river Hoogly became the dominant factor in placement and design of staff apartments. Attaching to the context. small design elements like windows, railings and louvers are in colonial style. The ideology of nicely maintained landscape to upraise the living standard of workers of Gloster mill has been kept intact in the apartment through courtyard facing units. The courtyard with an elegant landscape is a design generated for interaction. Surrounding river and canal made a major impact on micro climate of the site. Keeping the functionality intact the climatic consideration are followed up. The entrance gate following the elegant colonial architecture reflects the site context.





- 1. BED ROOM
- 2. LIVING/DINING ROOM
- 3. KITCHEN
- 4. TOILET
- 5. FOYER
- 6. SERVICE BALCONY
- 7. STAIRCASE
- 8. LIFT
- 9. LOBBY
- 10. GUARD ROOM
- 11. GUARD ROOM TOILET



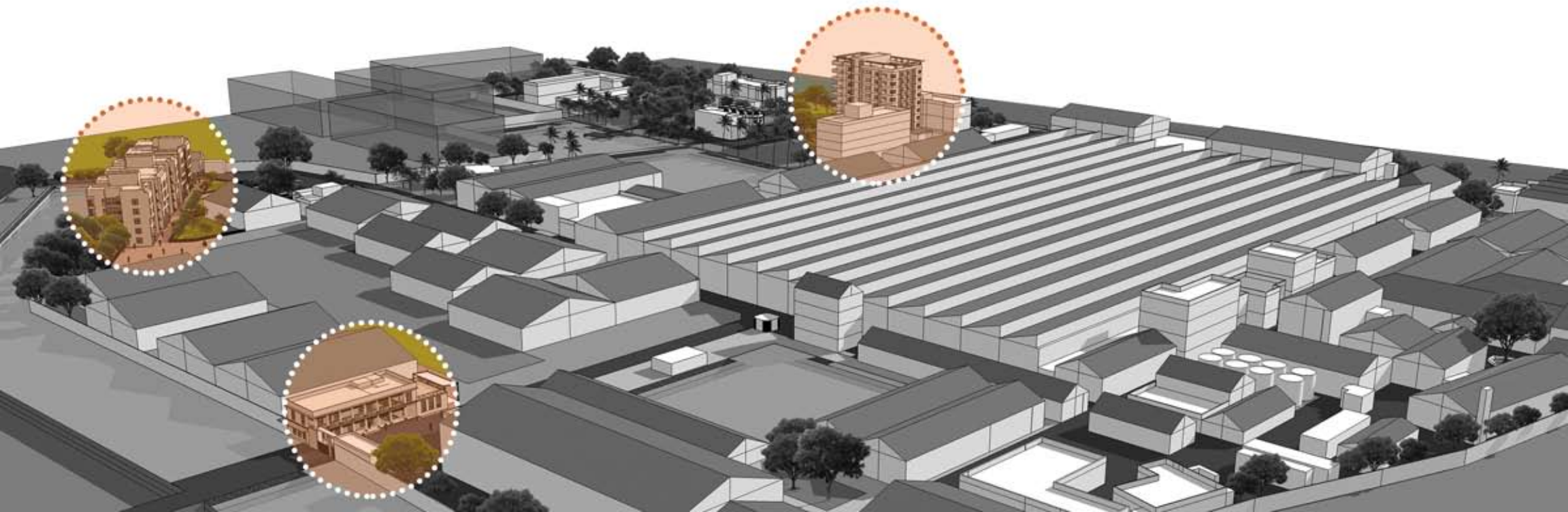
Typical floor plan



- 1. BED ROOM
- 2. LIVING/DINING ROOM
- 3. KITCHEN
- 4. TOILET
- 5. LIFT WELL
- 6. LOBBY

Section AA'

24M



commercial and mixed use

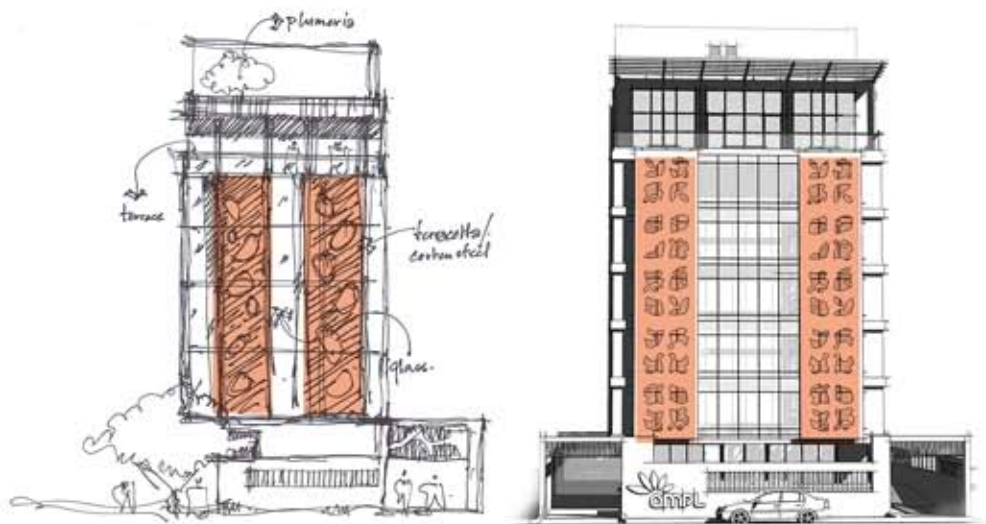
It is about creating value, making distinct expression and establishing an icon to create maximum use of spaces and function.

- **TPOLOGY** : Commercial
- LOCATION** : Durgapur Westbengal
- AREA** : 37793 sq.ft.
- STATUS** : Work in progress
- STRUCTURAL ENGINEERS** : Poseidon Engineering Services
- MEP CONSULTANT** : Excelsior Enkon Pvt. Ltd.
- CLIENT** : Ambey Mining Group



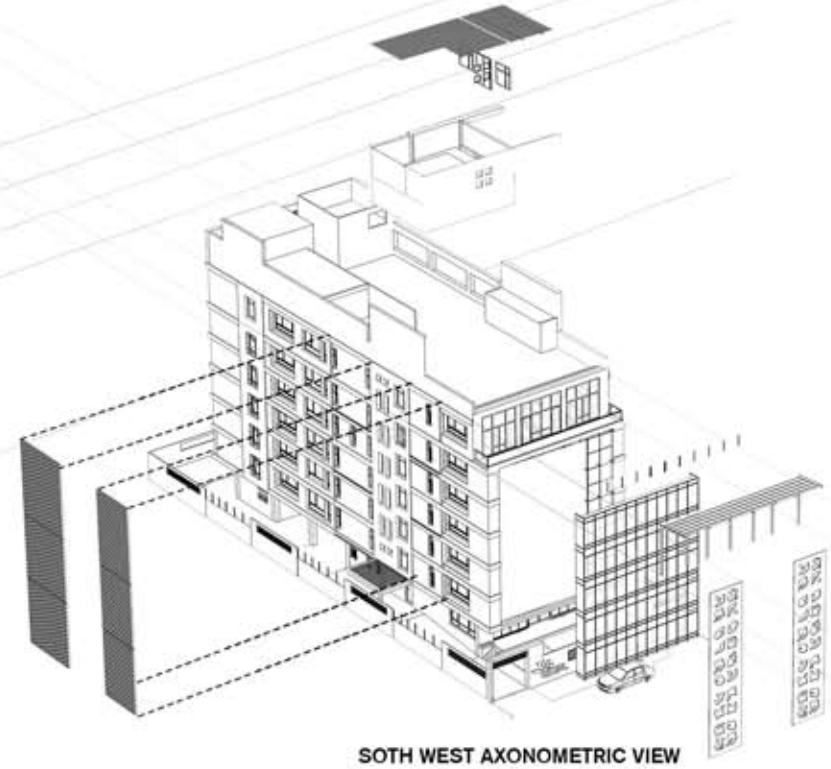


ampl Corporate Office



- It is a commercial building at Durgapur in West Bengal. a fast growing economy is visualised as a mass reflecting the traditional resonances and speaking about the ethos of the epoch by use of materials and proportion. Copper muted hue on the facade is an ode to the red soil of the region. The expression is further intertwined with a clean, minimalistic contemporary style where simplicity and profundity of straight lines and scale breakers are visible. Corten steel facade partly veils the glass facade and creates an aesthetic labyrinth that lends a visual drama of light and shadow. The program of the project consists of a set of rented office in the lower floors and the corporate office of AMPL houses in the fourth, fifth and sixth floor.





ms pergola



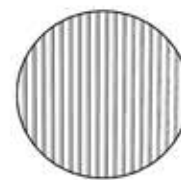
ms louver



ms canopy



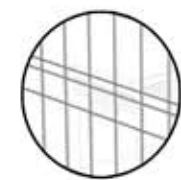
*cnc cut
ms screen*



*ms vertical
louver*



*glass
curtain wall*



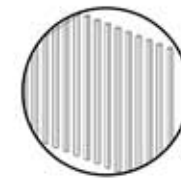
*tensile
fabric roofing*



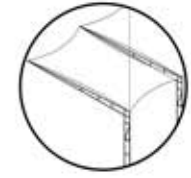
glass railing



ms pergola



vertical louver



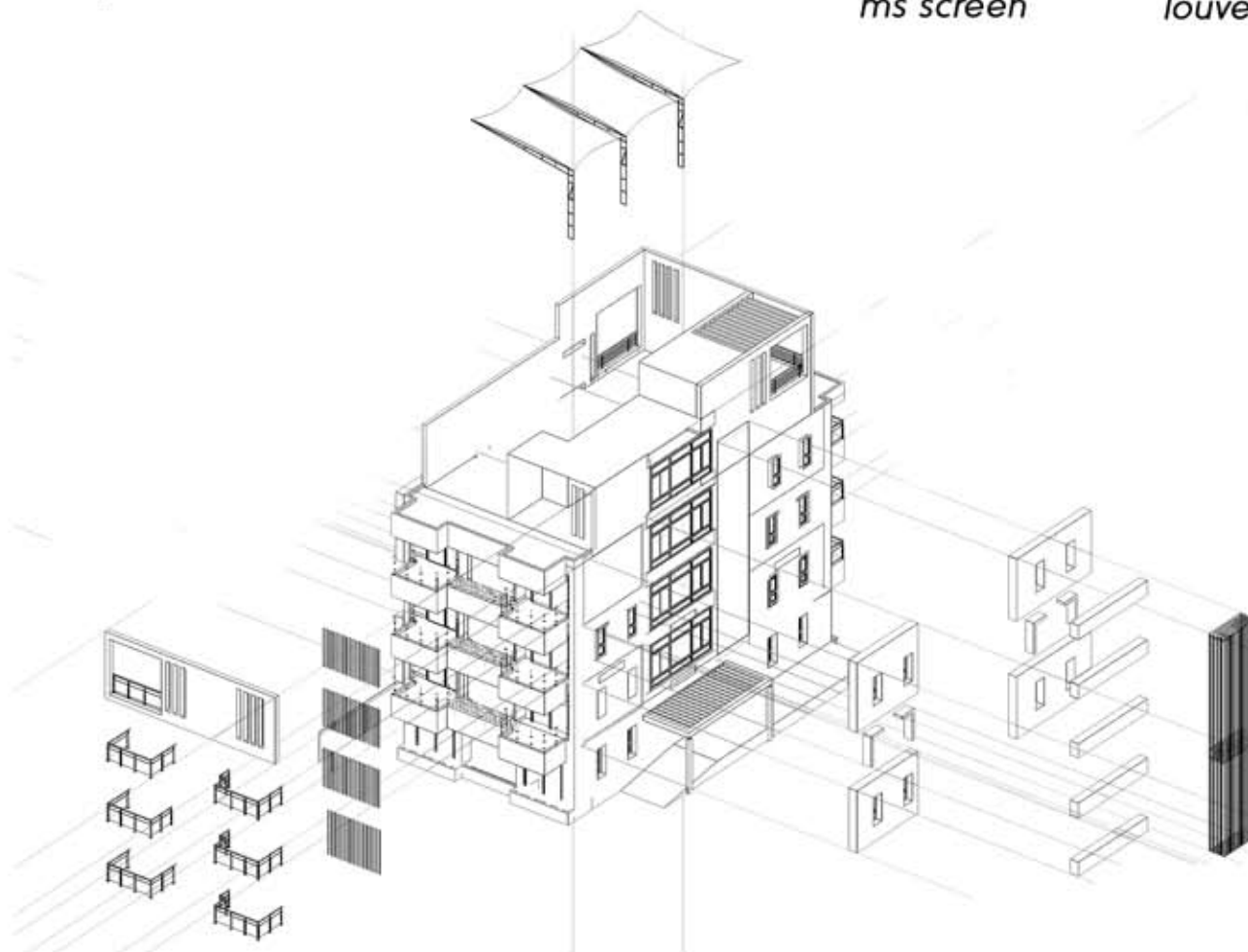
*rooftop tensile
canopy*

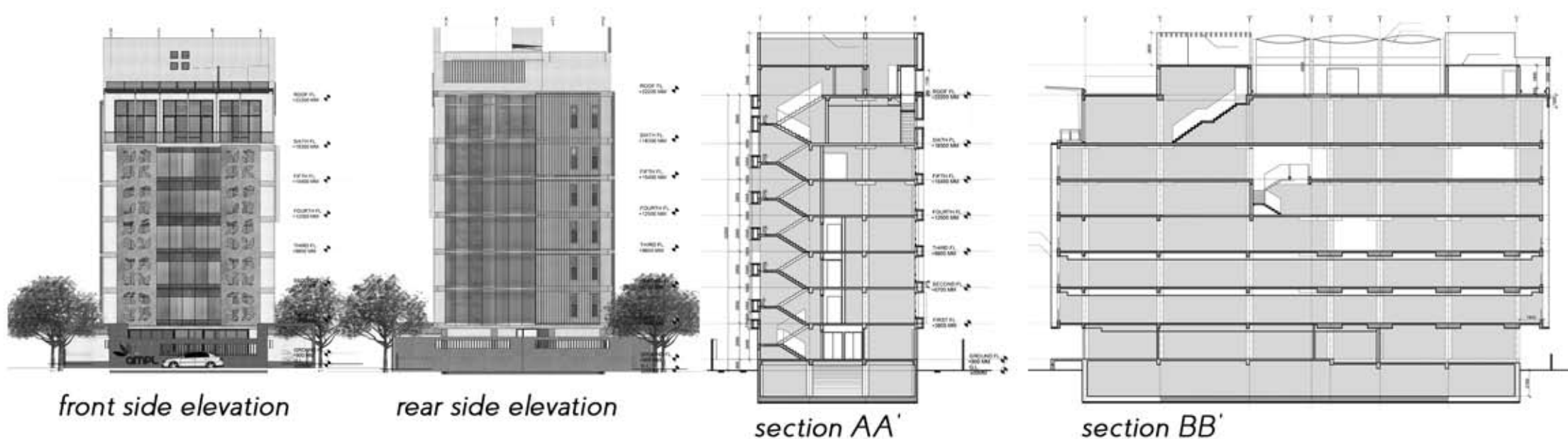


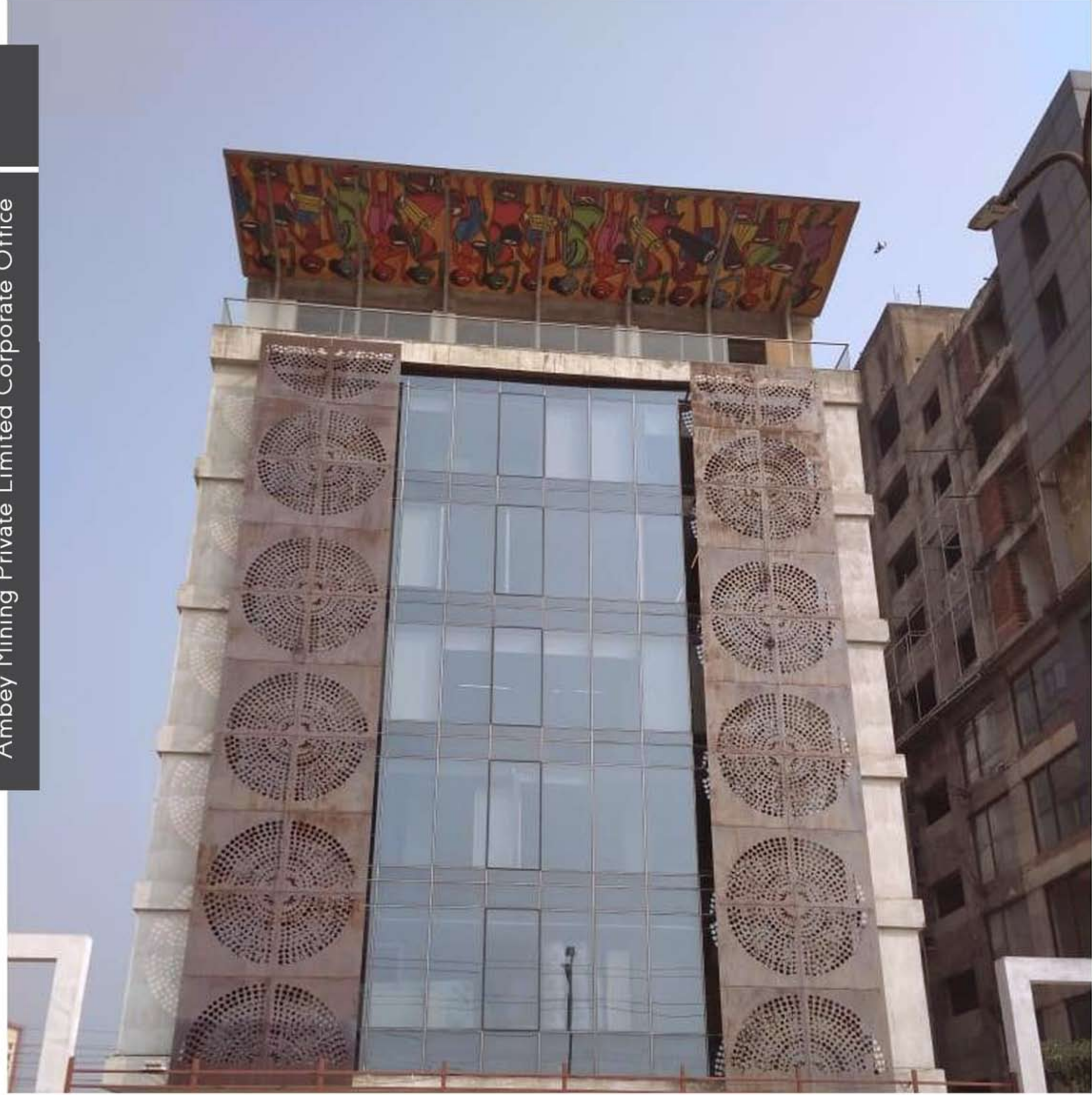
ms railing



vertical louver







TYPOLOGY: Architecture, Mixed Use

LOCATION : Behala, Kolkata

AREA : 52, 000 sq. ft

STATUS : Built

DATE OF COMPLETION : 2014

STRUCTURAL ENGINEERS : Sinha and Associates

MEP CONSULTANTS : Devendra Misra, Basudeb Das

CLIENT : Ecoprime Highrises Pvt. Ltd.





edifice



- The program involved the mixed use development of retail/commercial, housing and a roof top pool. The black and white colour palette and mass breaks allowed for a lower block with the commercial and a pool on the top on the terrace with the housing block, a 18m height stretch on top of the retail block housed in the middle. The volume of masses had been stacked and acts as the background for the mass projecting out which holds a rooftop swimming pool. Commercial activities dominate the ground and the first floor levels while residential units are on the first floor. Minimal mass with rhythmic punctures and fenestrations forms the design language of the block.



view of the rooftop swimming pool



Site and vertical circulation



Basement for parking



Office and commercial zone



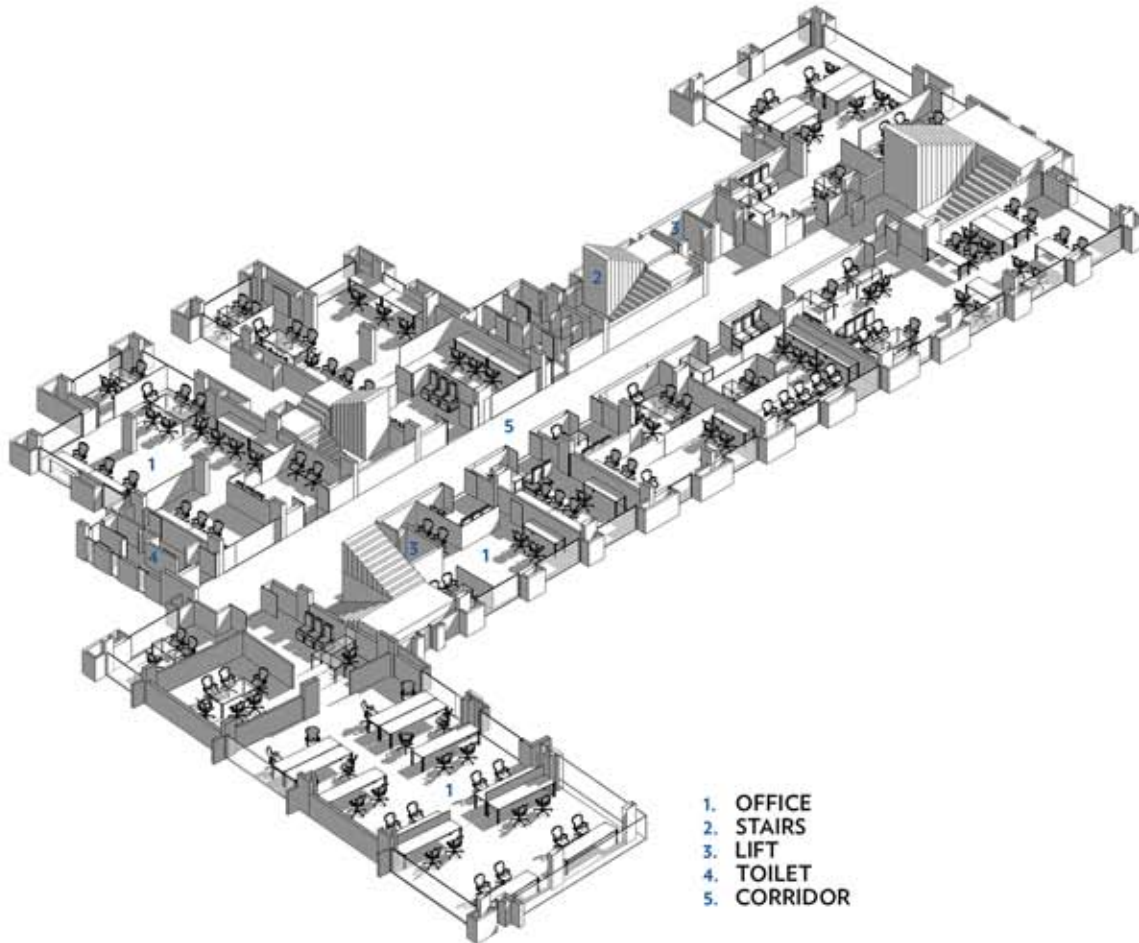
Games and club



Swimming pool and deck

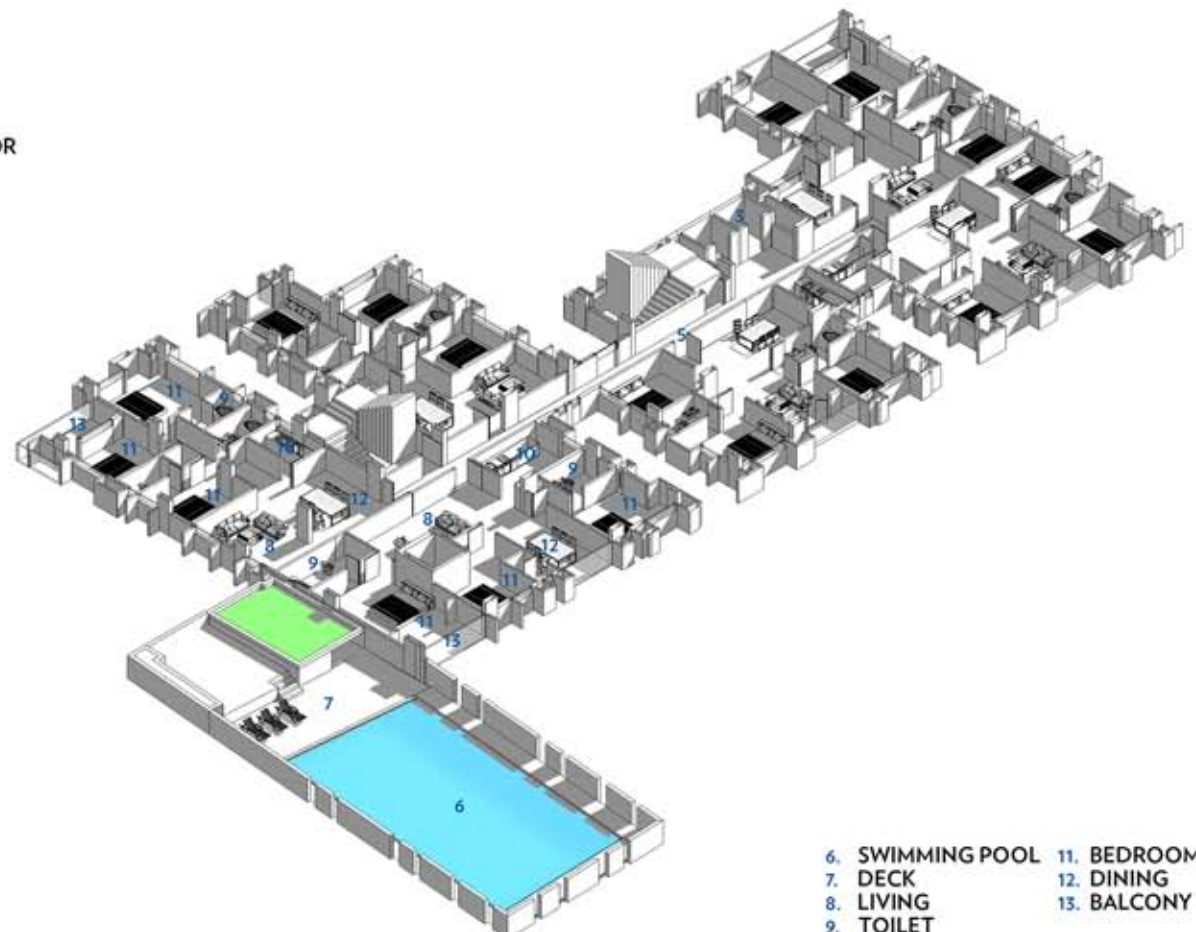


Residential zone



Sectional view (1st floor)

- 1. OFFICE
- 2. STAIRS
- 3. LIFT
- 4. TOILET
- 5. CORRIDOR



Sectional view (3rd, 4th. and 5th floor)

- 6. SWIMMING POOL
- 7. DECK
- 8. LIVING
- 9. TOILET
- 10. KITCHEN
- 11. BEDROOM
- 12. DINING
- 13. BALCONY

institutional

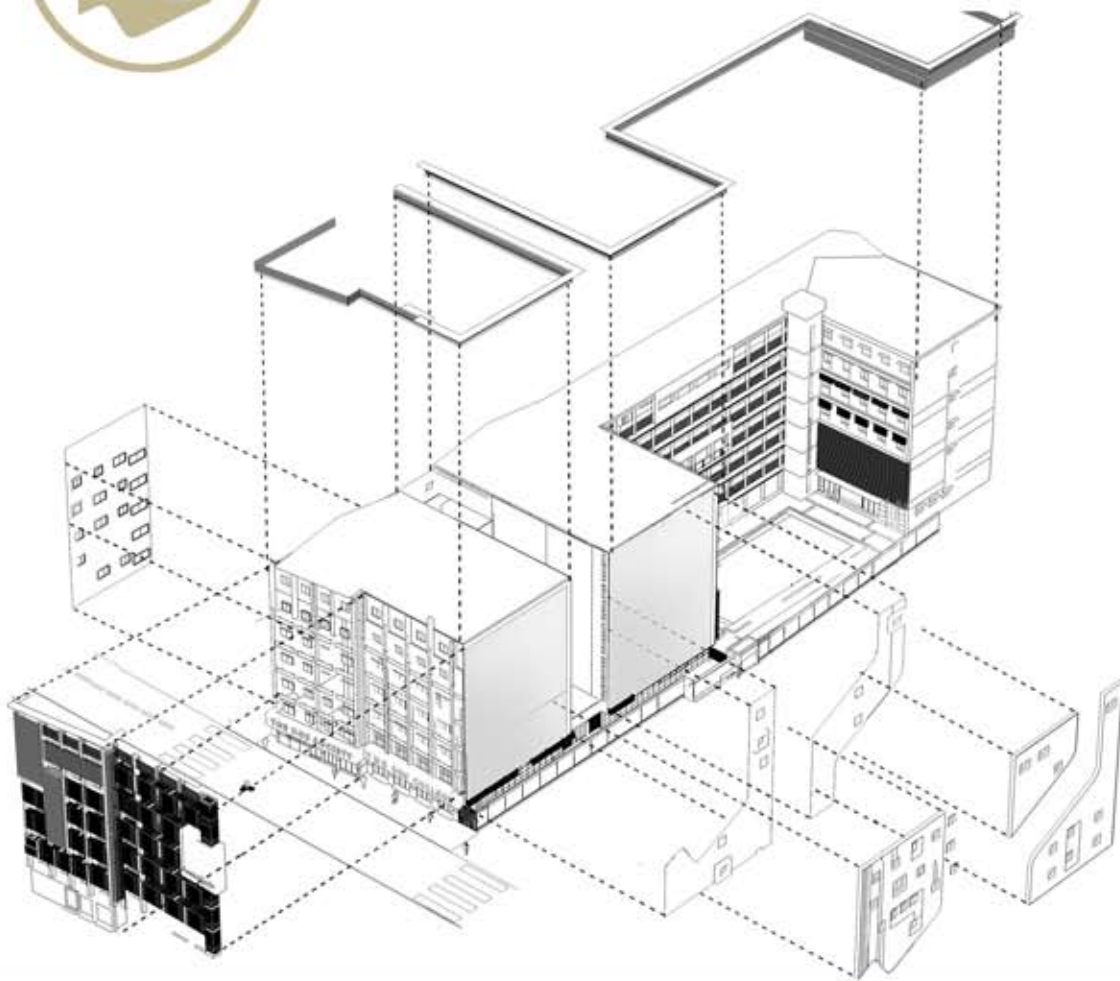
simplicity is profundity. the expression in circulation and overlay of the institution must reveal a character in plan.

■ **TYPOLOGY:** Architecture, Institutional
LOCATION : Bhawanipore, Kolkata
AREA : 30,000 sq. ft
STATUS : Built
DATE OF COMPLETION : 2017
ENGINEERS : SPA Consultants
CLIENT : Bhawanipore Education Society





the bes college



The program involved the redevelopment and revitalization of the Bhawanipore Education Society Building. The attempt was to create a space where the façade, common areas, auditorium courtyard and the arrival would be developed to create a contemporary vibrant character with all modern amenities. signage and technology suited to young students.

Overlapping is used as a principal to create layers of surfaces thereby enhancing the play of light and shadow, protecting the interior active areas from direct heat gain. The perforated screens on the front facade not only conceals the service network but also shield the classrooms and laboratories from direct heat gaining harsh sunlight. similarly the HPL facade on two side helps in adding an additional lamina to the overall existing mass. Vibrant hues of colour with the wide use of louvers give the distinct finish to the overall composition.



z-louvers



hpl cladding



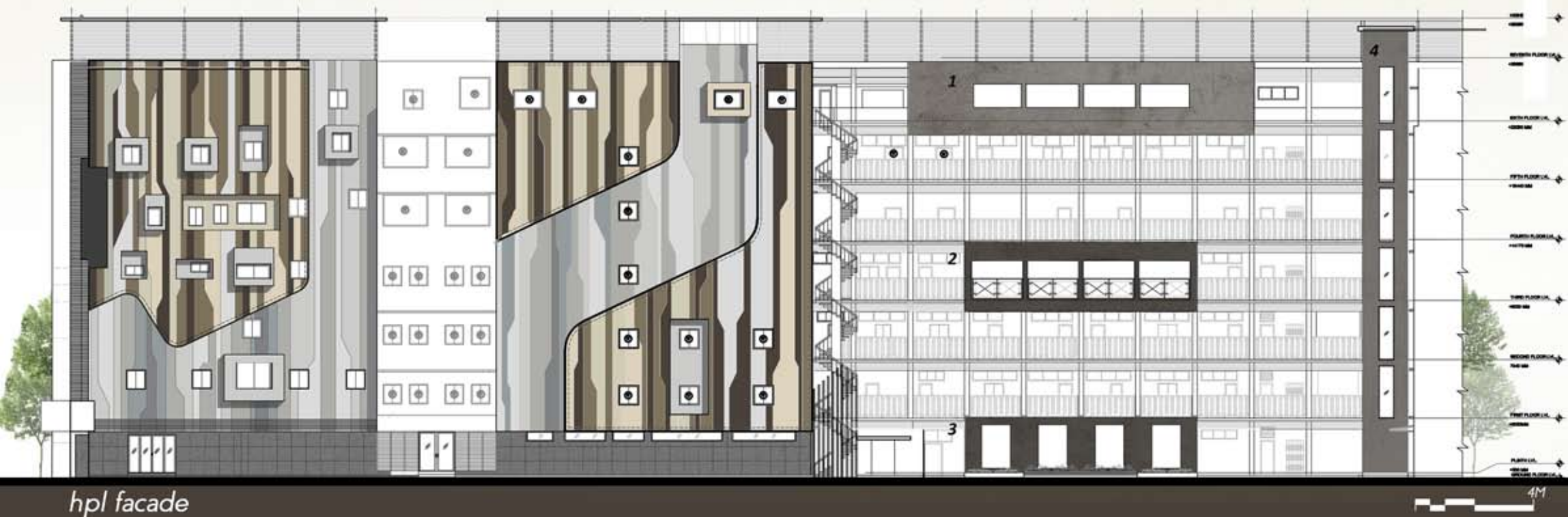
aluminium
shingles

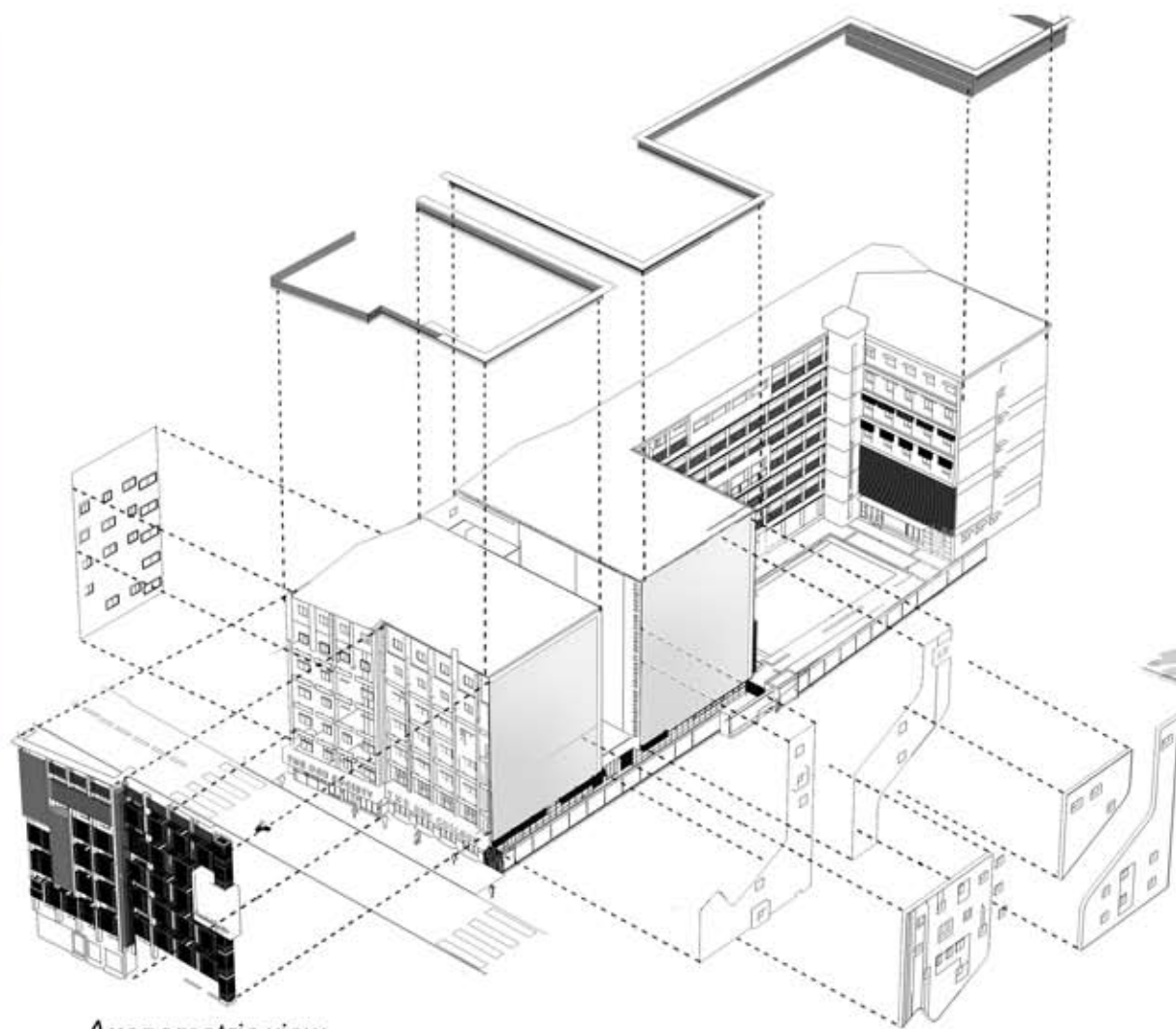


signages

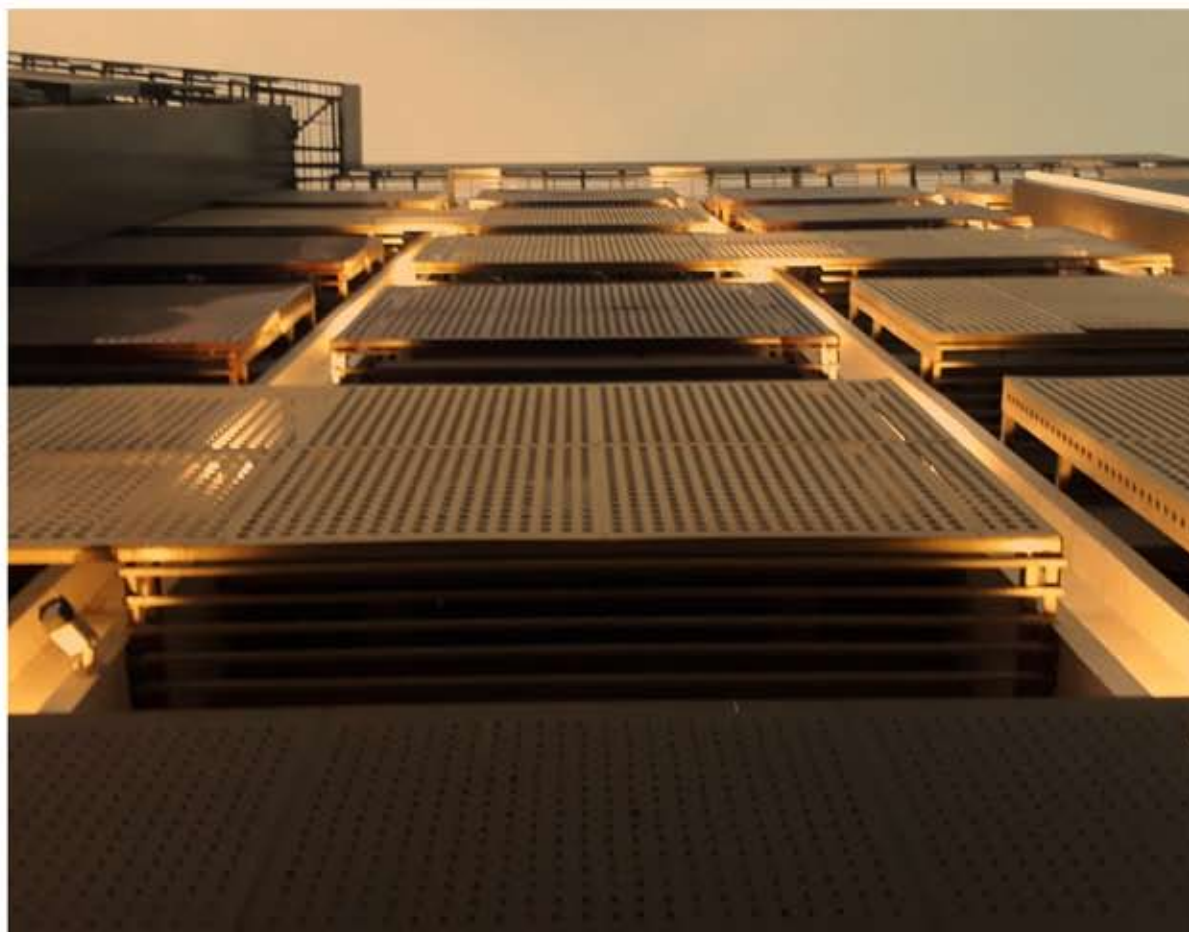


perforated
screens





Axonometric view



healthcare

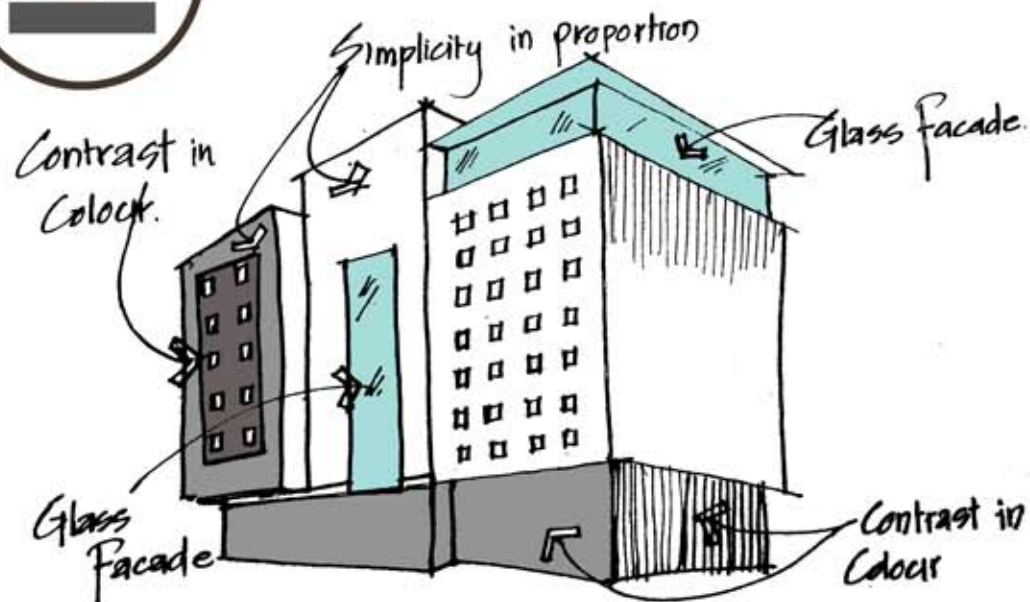
The character of compassion also needs an expression in architecture, functionality, maintainability and the aesthetics needs to get integrated in health care architecture.

- **TYPOLOGY :** Healthcare
- LOCATION :** Howrah, West Bengal
- AREA :** 65000 sq.ft
- STATUS :** Work in progress
- STRUCTURAL ENGINEERS :** SPA Consultants
- CLIENT :** GPT Group



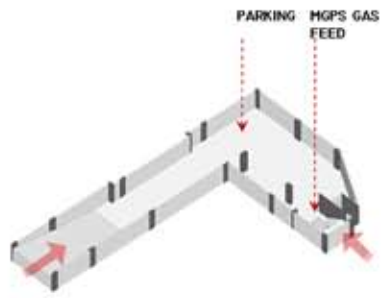


ILS howrah

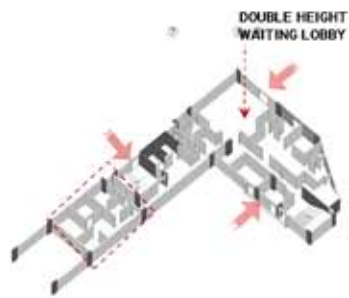


- ILS Howrah is a 120 bed state of the art hospital located in the heart of Howrah providing a huge catchment of health care services for the district of sub-urban West Bengal. The layering of the program allowed for a public zone with OPD and diagnostic functions with Operation Theatre, IPD etc. located on the upper floors. The façade and architectural character evolved from the program and function of the project. Here, service planning and façade fenestrations were developed keeping proportions and utility in mind. Architecturally, the project creates a base using gray stucco, louvers and bright daylight in OPD and public areas, with a linear modernist façade to create breaks in proportion.

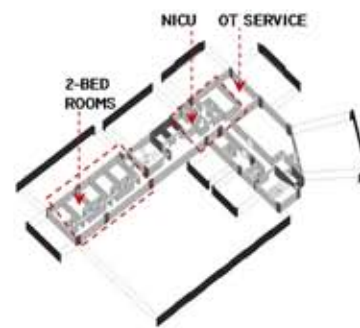




basement floor
axonometric view



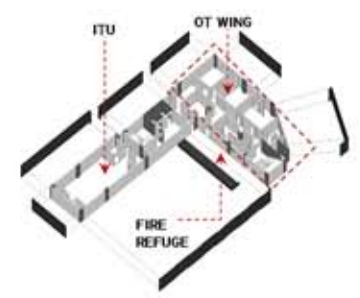
ground floor
axonometric view



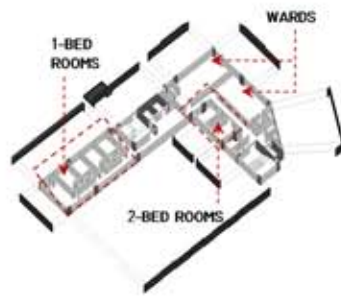
first floor
axonometric view



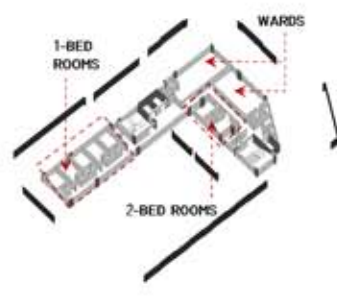
second floor
axonometric view



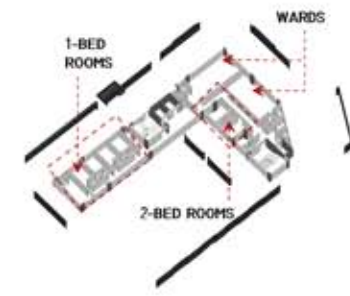
third floor
axonometric view



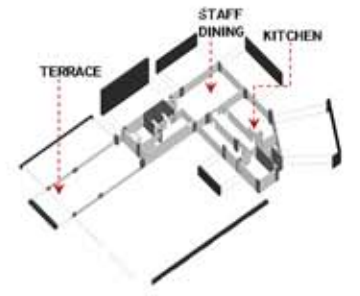
fourth floor
axonometric view



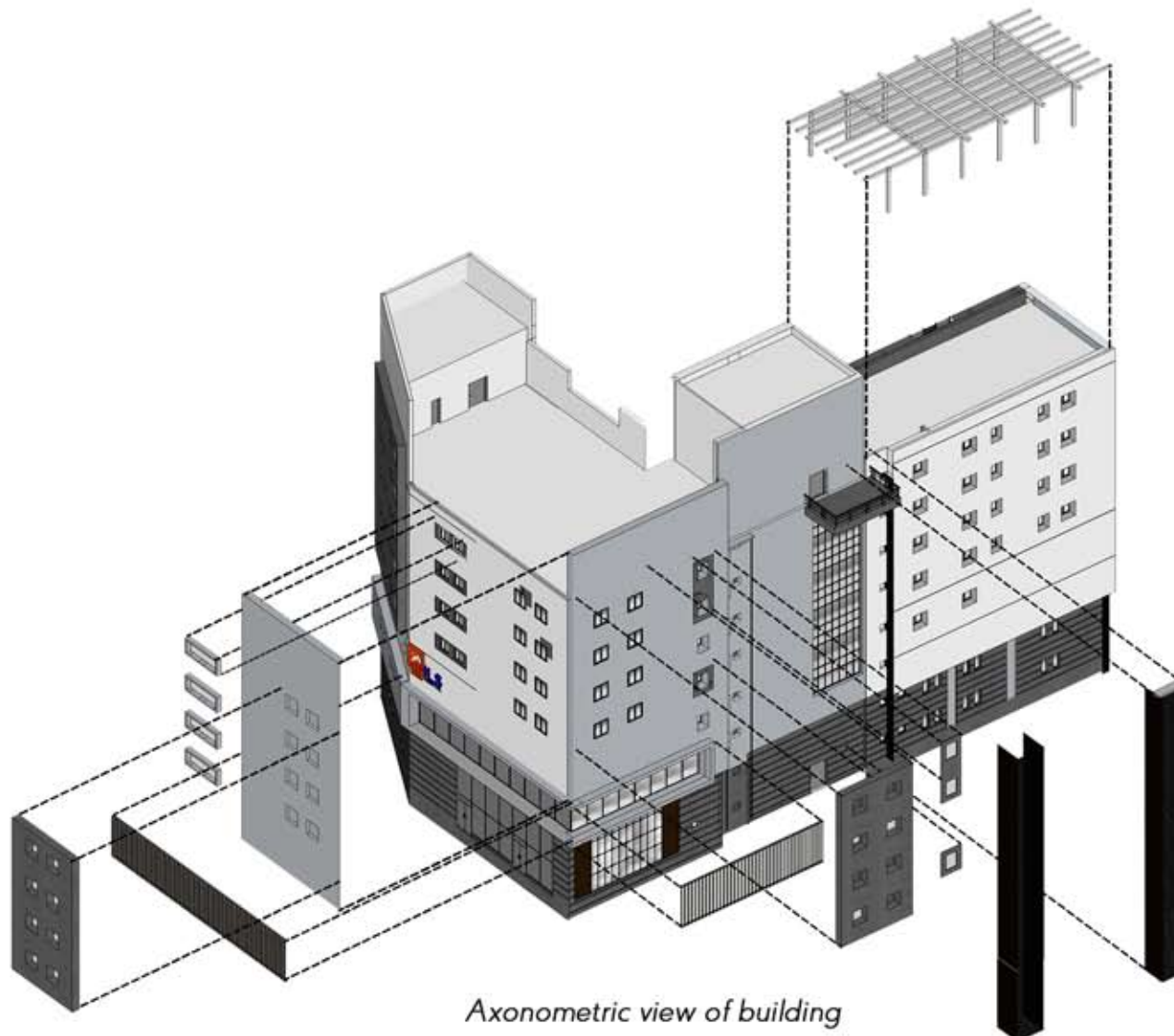
fifth floor
axonometric view



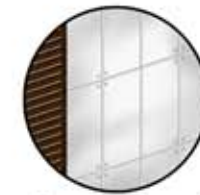
sixth floor
axonometric view



seventh floor
axonometric view



Axonometric view of building



Spider fitted
glazing



HPL clad
pattern louvers



Horizontal louvers



Precast
concrete block



Hunter douglas



MS railing



Pergola



Spider fitted
curtain wall



■ **ayan sen architects**
urban designers planners
2005-2017

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