

COVER



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

(Est U/s(3) of UGC Act,1956) Accredited with Grade "A" by NAAC (A Christian Minority Institution)

JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHEMMENCHERY, CHENNAI – 600119. TAMILNADU.
PHONE: 2450 1443/9941912481 INTERNET: www.sathyabama.ac.in E-mail: archhod@sathyabama.ac.in



**SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF ARCHITECTURE
M. Arch (Building management)**

**PROFESSIONAL TRAINING (S84 INT)
DEC- JAN 2020**

Name of the Student : KARTHICK.P

Semester : III

Reg No. : 39840009

Batch : 2019-2021



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(Annexure II)



SCHOOL OF BUILDING AND ENVIRONMENT

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VIVA-VOCE EXAMINATION

This is to certify that the Professional Training (S84 INT) is the work of __KARTHICK.P__ who had undergone training in
__**KHARCHE ASSOCIATES**__ and has been monitored by the continuous assessment during **Dec 2020 to Jan 2021.**

Submitted for Viva voce Examination held on _____

Dr. Devyani Gangopadhyay
HOD AND DEAN

Internal Examiner

External Examiner

(Annexure III)



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DECLARATION

I _____KARTHICK.P_____ hereby declare that the Professional Training Report **DEC 2020 - JAN 2021** done by me under the guidance
Of **Ar.PRABHU BONIFACE** is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 30-01-2021

PLACE : CHENNAI

SIGNATURE OF CANDIDATE

(Annexure –IV)

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr.Devyani Gangopadhyay Dean, School of building and Environment** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to **Ar./PM -PRABHU BONIFACE-** for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my Training.

I would also like to express my sincere thanks to Ar. Sukirtha Suresh (Internal Co-Ordinator) for her valuable guidance, during the entire Professional Training period.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of Architecture who were helpful in many ways for the completion of the project.

(Also thank Project Manager of the firm) **Ar. Prabhu Boniface** from **Kharche Associates**

Address : 20, Shafee Mohammed Road, near Greames Road, Chennai, Tamil Nadu 600006

JOINING LETTER

(Annexure –V)



15.12.2020

Sathyabama Institute of Science and Technology (Deemed to be University)

Jeppiaar Nagar, Rajiv Gandhi Salai,

Chennai - 600 119.

Dear Sir,

This is to confirm that **Mr.Karthick.P (Roll No.39840009)** has joined in our firm as Project Management Trainee from 10.12.2020 under our project team supervision.

This is for your information.

Thanking you,

Yours faithfully,

A handwritten signature in blue ink, appearing to read "Ar. Prabhu Boniface", with the date "15/12" written below it.

Ar.Prabhu Boniface
Project Manager

Driven by Design

info@kharche.com
+ 91 (0) 44 2829 1291/ 3874/ 3261
20 shaffee mohamed road, chennai 600 006
www.kharche.com

MONTHLY REPORT

(Annexure –VI)



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DEPARTMENT OF ARCHITECTURE

M. Arch (Building management)

Continuous Assessment Report for Professional training

(Continuous progress report of the trainee architect/Project Manager for the period of 15 working days in the office to be submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : **KHARCHÉ ASSOCIATES**
2. Address & Contact Number : **GREAMS ROAD, CHENNAI**
3. Name of the student : **KARTHICK P**
4. Duration : From **DEC, 10** To **DEC, 27**
5. Total No. of days : **15 days**
6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month; which will be converted to the allotted 40 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture	✓				
Skillsets related to project management	✓				
Design Management	✓				
Understanding the Triple Constraints		✓			
Observation during Site Visits	✓				
Understanding of construction details	✓				
Understanding of Construction sequences	✓				
Site Supervision / Discussion with clients		✓			
Adherence to Time schedule		✓			
Quantitative aptitude	✓				
Documentation skills	✓				
Coordination with other consultants	✓				

Overall Grading*	A
------------------	----------

(A - 8.0, B - 7.0, C - 6.0, D - 5.5, E - 5.0, F - <5)

7. Any other Remarks : _____

8. Signature of the Head of the Office / Organization (With Seal) : **M/s. Kharche & Associates** estd 1971
Architects, Interior Designers, Project Management Consultants
20, Shaftee Mohamed Road, Chennai-600 006.
Ph: 044-2829 1291/3874/3261
Fax: 044-2829 0651

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1. Name of the office / organization : **KHARCHÉ ASSOCIATES**
2. Address & Contact Number : **GREAMS ROAD, CHENNAI**
3. Name of the student : **KARTHICK P**
4. Duration : From **DEC, 27, 2020** To **JAN, 13, 2021**
5. Total No. of days : **15 days**
6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month; which will be converted to the allotted 40 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture	✓				
Skillsets related to project management	✓				
Design Management		✓			
Understanding the Triple Constraints					
Observation during Site Visits	✓				
Understanding of construction details	✓				
Understanding of Construction sequences	✓				
Site Supervision / Discussion with clients		✓			
Adherence to Time schedule	✓				
Quantitative aptitude		✓			
Documentation skills		✓			
Coordination with other consultants	✓				

Overall Grading*	A
------------------	----------

(A - 8.0, B - 7.0, C - 6.0, D - 5.5, E - 5.0, F - <5)

7. Any other Remarks : _____

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WORK DIARY

(Annexure –VII)

DAY	PROJECT NAME	WORK DONE	DAY	PROJECT NAME	WORK DONE
1	Til Health Care	Understanding site	15	Til Health Care	Snag-list report
2	Til Health Care	Understanding PMC Roles	16	Til Health Care	Site observation
3	Til Health Care	Drawing Study	17	Til Health Care	Project tracking
4	Til Health Care	Site Inspection	18	Til Health Care	Project tracking
5	Til Health Care	Monitoring of interior work	19	Til Health Care	Understanding BOQ and Summary
6	Til Health Care	Monitoring of interior work	20	Til Health Care	Monitoring of interior work
7	Til Health Care	Monitoring of interior work	21	Til Health Care	Monitoring of interior work
8	Til Health Care	Defects identification report	22	Til Health Care	Infrastructure inspection
9	Til Health Care	Defects identification report	23	Til Health Care	Infrastructure inspection
10	Til Health Care	Inspection - false ceiling	24	Til Health Care	Infrastructure inspection
11	Til Health Care	Inspection - false ceiling	25	Til Health Care	Snag-list report
12	Til Health Care	Inspection - partitions	26	Til Health Care	Site observation
13	Til Health Care	Inspection - partitions	27	Til Health Care	Monitoring of interior work
14	Til Health Care	Snag-list report	28	Til Health Care	Defects identification report

Consolidated Certificate (Experience)

Annexure – VIII

Addressed to

The Head of the Department

Department of Architecture, School of Building & Environment

Sathyabama Institute of Science and Technology

Rajiv Gandhi Salai, Jeppiaar Nagar,

Chennai-600 119,Tamil Nadu

Sub : Completion Letter for Professional Training reg.

This is to Certify that __P.KARTHICK_ (39840009) student of 3rd Sem has completed the internship from December 2020-January 2021 in our firm Kharche & Associates under our supervision


M/s. Kharche & Associates estd 1971
Architects, Interior Designers, Project Management Consultants
20, Shafiee Mohamed Road, Chennai-600 006.
Ph: 044-2829 1291/3874/3261
Fax: 044-2829 1291

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2.	HISTORY OF THE FIRM
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7.	WORK COMPLETION TRACKER
8.	PROJECT SCHEDULE
9.	AGENDA
10.	MOM
11.	CRITICAL OVERVIEW OF THE FIRM

GENERAL



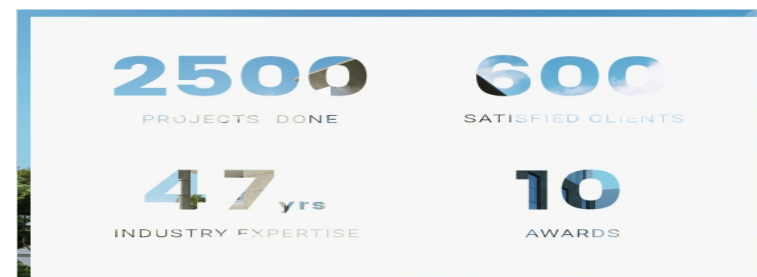
Kharche Associates is one of South India's leading architectural firms. Through their implementation of a modern design paradigm, they have designed a number of large scale commercial, IT/ITES, Hospitality, Residential and Institutional projects in India. They ideate a project based on a number of factors such as the location of the site, environmental and sustainability concerns, the type of product desired, visual adaptability and cost impact. Their design process follows a holistic approach which develops the perfect building for its intended purpose. The integration of architectural design with all allied engineering aspects reduces the project timeline and regulates the construction cost. They believe in quality design techniques through computerization processes to achieve cost effective construction.

FIRM HISTORY

In 1965, S. A. Kharche set up the Madras regional office of M/s. Master Sathe & Kothari, one of the leading architecture design studios of India. He was unique in his concepts and had a very simplistic approach towards design elements. Under his stoic leadership, the office handled many Institutional, Industrial, Commercial and Residential buildings.

But it was not until 1979 that the office started functioning solely as an emissary to his concepts: Kharche & Associates was born. The new firm, while maintaining tradition, explored new directions in planning and construction and is still doing so earnestly.

The firm is constituted of three main operative sections; architectural, engineering / allied engineering and administration, comprising talented designers and qualified engineers along with consultants in all related fields; structures; interiors; acoustics, electrical, Air-conditioning and landscaping.



DESIGN PHILOSOPHY :

Our design philosophy has always been to embrace the problems we may encounter and create optimum solutions to solve them. While we try not to delineate from our core principles, it is imperative to understand the mitigating circumstances which are distinctive to every project. Our endeavour is to create the best design within realistic expectations. Our approach to architecture is rooted in the individual's perception of space. And perception rests with the "perceivers," the people who live in, work in, and visit the building and site. We value their insight because ultimately it is through their interpretation and their questions that the building becomes resolved.

AWARDS & AFFILIATIONS :

2017	Best Residential Project – BAI
2016	Excellence in Architecture Services – Mr Prashanth S.Kharche
2006	Best Residential Project – BAI
2002	Fellow of the Institution of Valuers
2001	Excellence in Architecture – Mr S.A.Kharche, Founder
2001	Member of Council of Architecture
2001	Member of the Institution of Valuers
2000	Associate of the Indian Institute of Architects
1999	Member of National Confederation of Small Industry

OBJECTIVES OF PROFESSIONAL TRAINING:

The main objectives of the professional training is

- To understand the role of project management in construction industry
- Contributions of the firm to the project
- To explore the core areas of Building services and management

ROLES AND RESPONSIBILITIES OF THE ORGANIZATION IN THE PROJECT

CONSTRUCTION:

The company ensure that all our projects meet the necessary guidelines for the structural of the building and are subjected to many quality tests, starting from selection of the site, architects, consultants, vendors, material procurement followed by structural design to meet the quality guidelines set forth by the prevailing norms and codes of the country

SCOPE OF WORK

- Structural design of entire complex with appropriate foundation system as envisaged by Geotechnical consultants.
- To assist in Geotechnical investigation in terms of technical guidance.
- To prepare alternative structural system / suggest alternative light weight blocks to be cost effective and efficient.
- Design of services structures such as Underground Sump / Sewage Treatment Plant / Cable Trenches / Storm Water Drains, Compound Wall etc.
- To submit design calculations / analytical models such as staad pro / etabs (a program designed for the structural analysis and design of buildings) model for performing peer review by third party engaged by us.
- Design and detailing for landscape related structures such as water bodies / cascades etc.
- Infrastructural related works such as roads, culverts, pavers / dg foundations etc.
- Submission of bill of quantity / tender bill of quantities / steel bill of quantity for structural related works.
- To recommend suitable mix designs.

PROJECT DETAILS

TIL CORPORATE OFFICE , CLUB HOUSE ROAD, CHENNAI

CLIENT NAME : TAGROSS

TPOLOGY : OFFICE (TIL CORPORATE OFFICE)



Location: Taj Club House Road

Plot size: 50,000 sft

Area of the project: 60,000 sft (incl. basements)

Status: Under construction

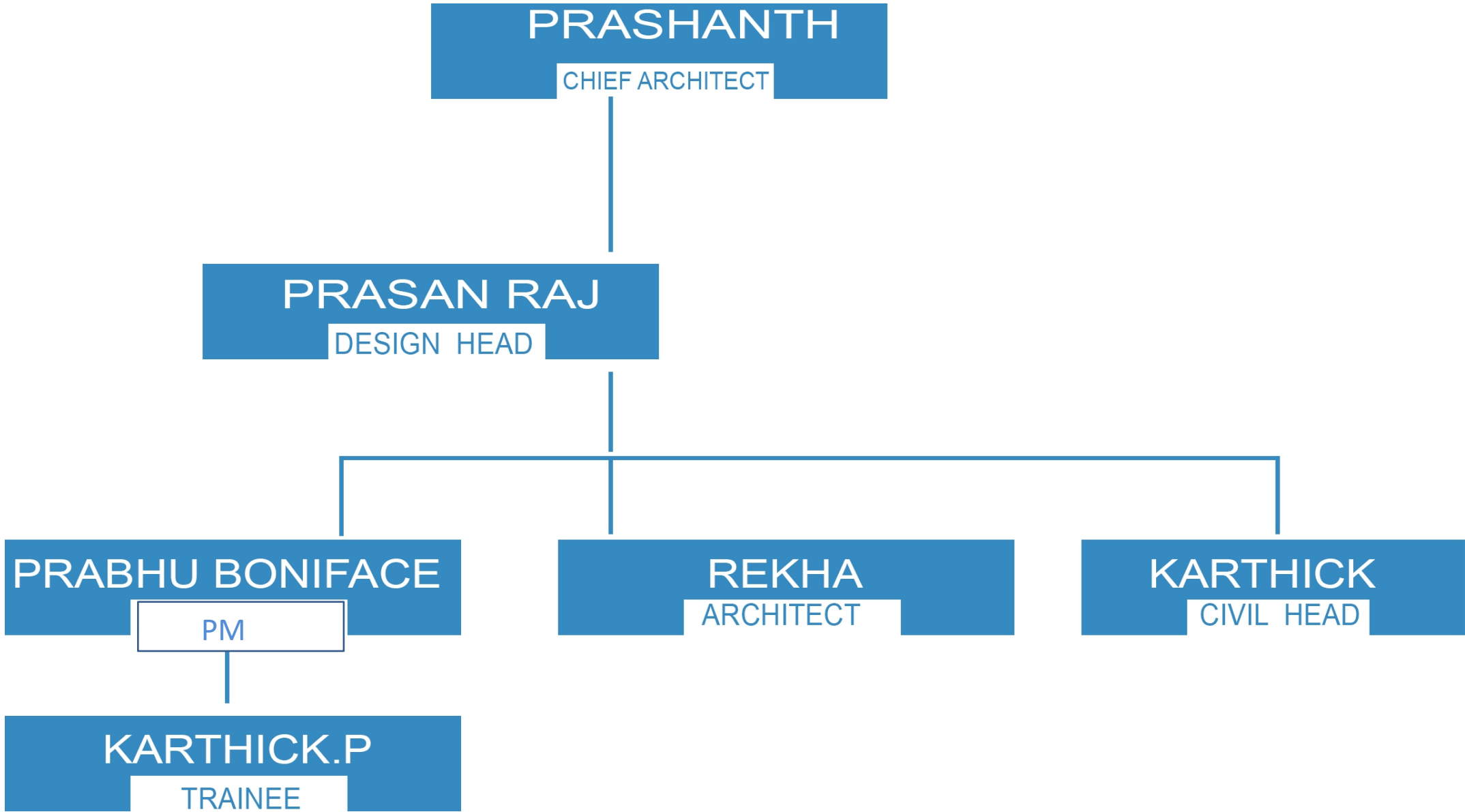
CONSULTANTS

PROJECT NAME	TIL CORPORATE OFFICE
LOCATION	CLUB HOSUE ROAD
CLIENT	TAGROS
ARCHITECTURAL CONSULTANTS	KHARCHE & ASSOCIATES
INTERIOR DESIGNERS	TALATI & PANTHAKY ASSOCIATES
PROJECT MANAGEMENT CONSULTANCY (PMC)	KHARCHE & ASSOCIATES
MEP CONSULTANT	SUMANAM ENGINEERING Ltd
STRUCTURAL CONSULTANT	Jays Civil Tech Pvt Ltd
IGBC CONSULTANTS	M/s En3 Sustainablity Solutions Ltd
KITCHEN CONSULTANT	Chef Arora
LANDSCAPE CONSULTANT	GENUIS LOCI

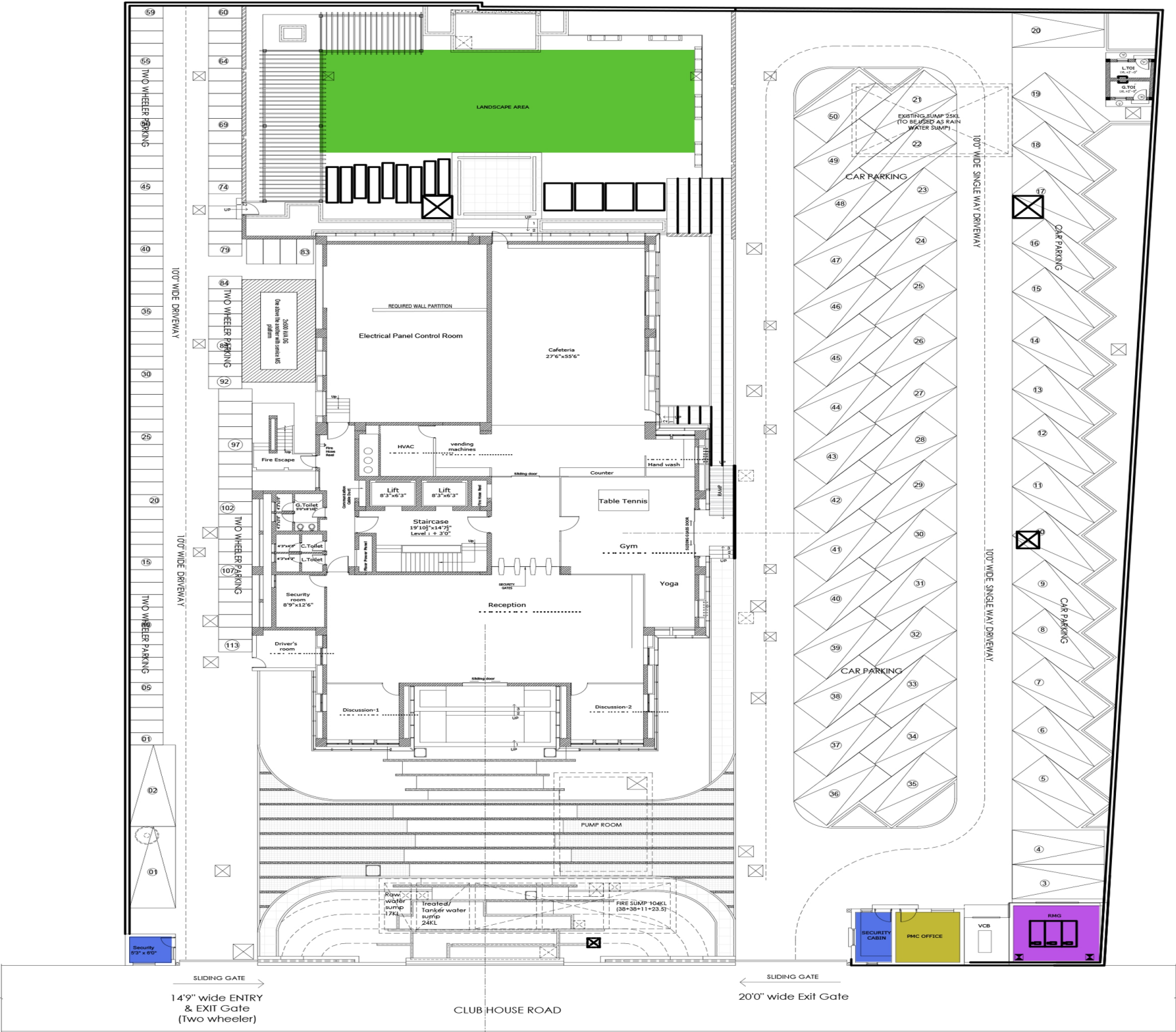
CONTRACTORS

	DISIPLINE	NAME
1	Civil Contractor , External Glazing, ACP UPVC , Steel works	Power Builders
2	Interior Contractor , Electrical (Low-Side) Contractor	Cherry Hill Interiors
3	HVAC Contractor	M/s . Cold Points Pvt. Ltd
4	HVAC (ODU) Supplier	M/s . Daikin Airconditoning
5	Fire Fighting & Fire Alarm System	KHARCHE & ASSOCIATES
6	IT Passive Networking Work	M/s VJ Network Pvt . Ltd
7	Electrical (High- side) Contractor	Shri Vaari Electricals

SITE ORGANIZATION CHART

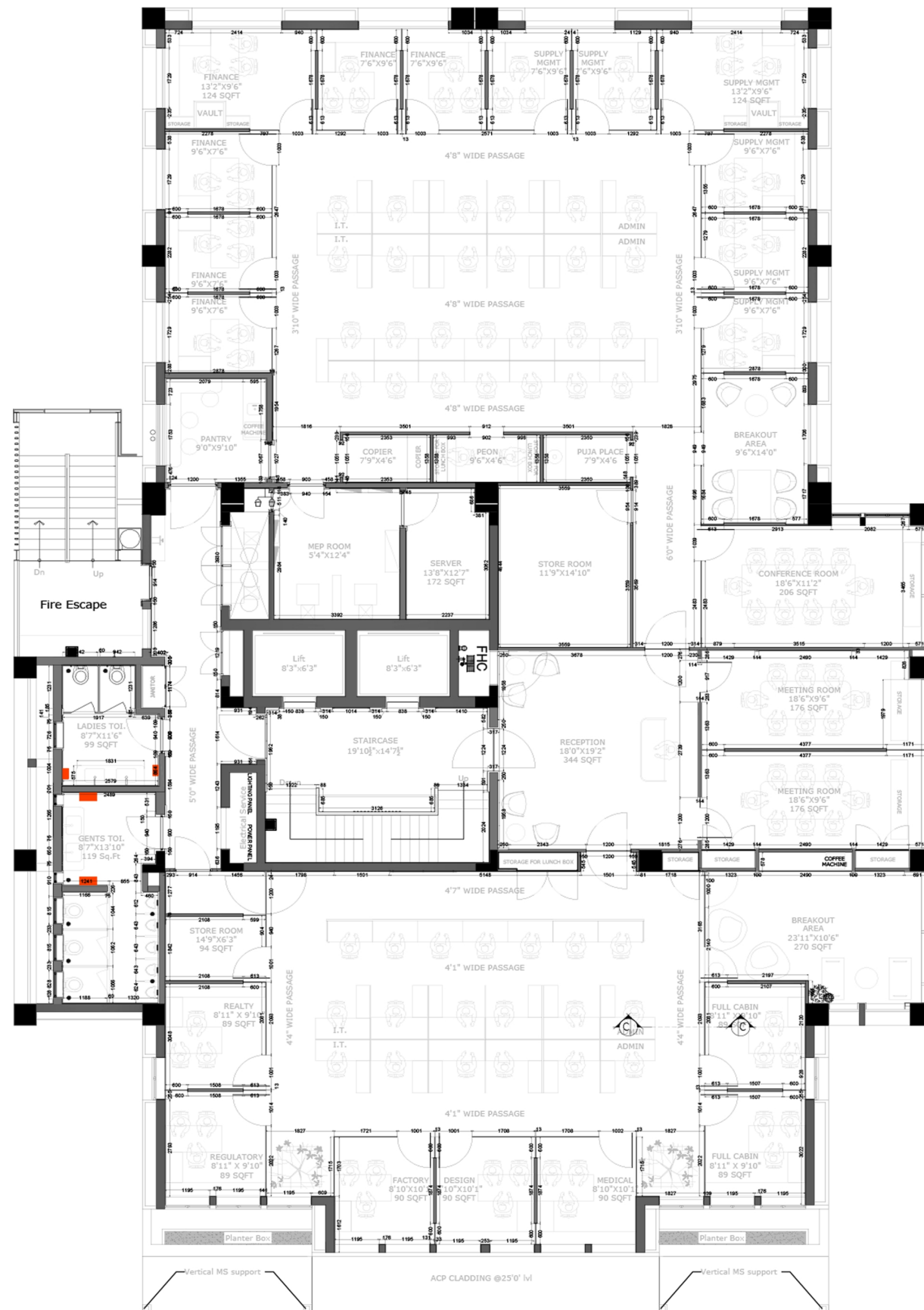


SITE PLAN

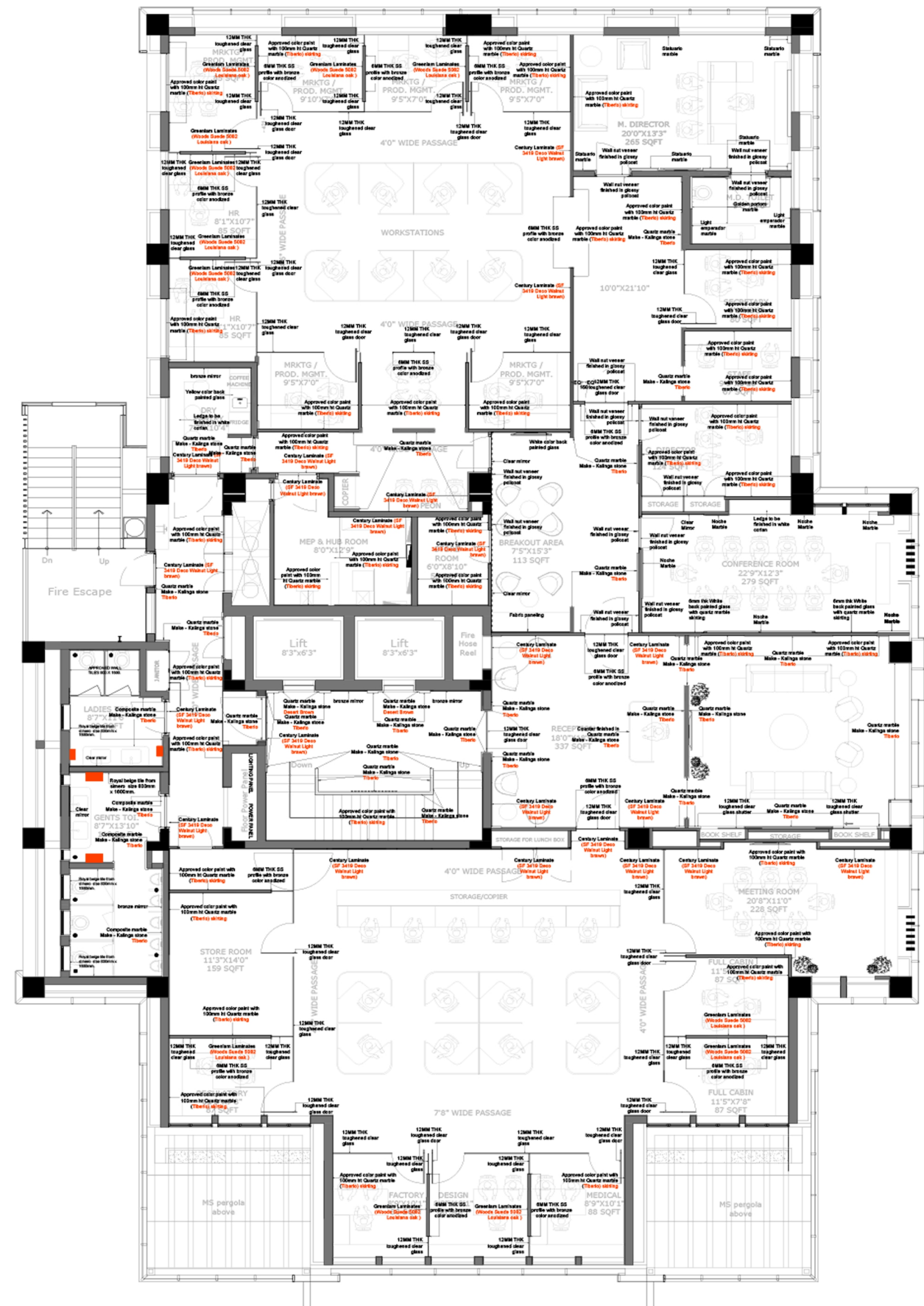


- SECURITY CABIN
- SITE OFFICE
- R M G
- LANDSCAPE AREA

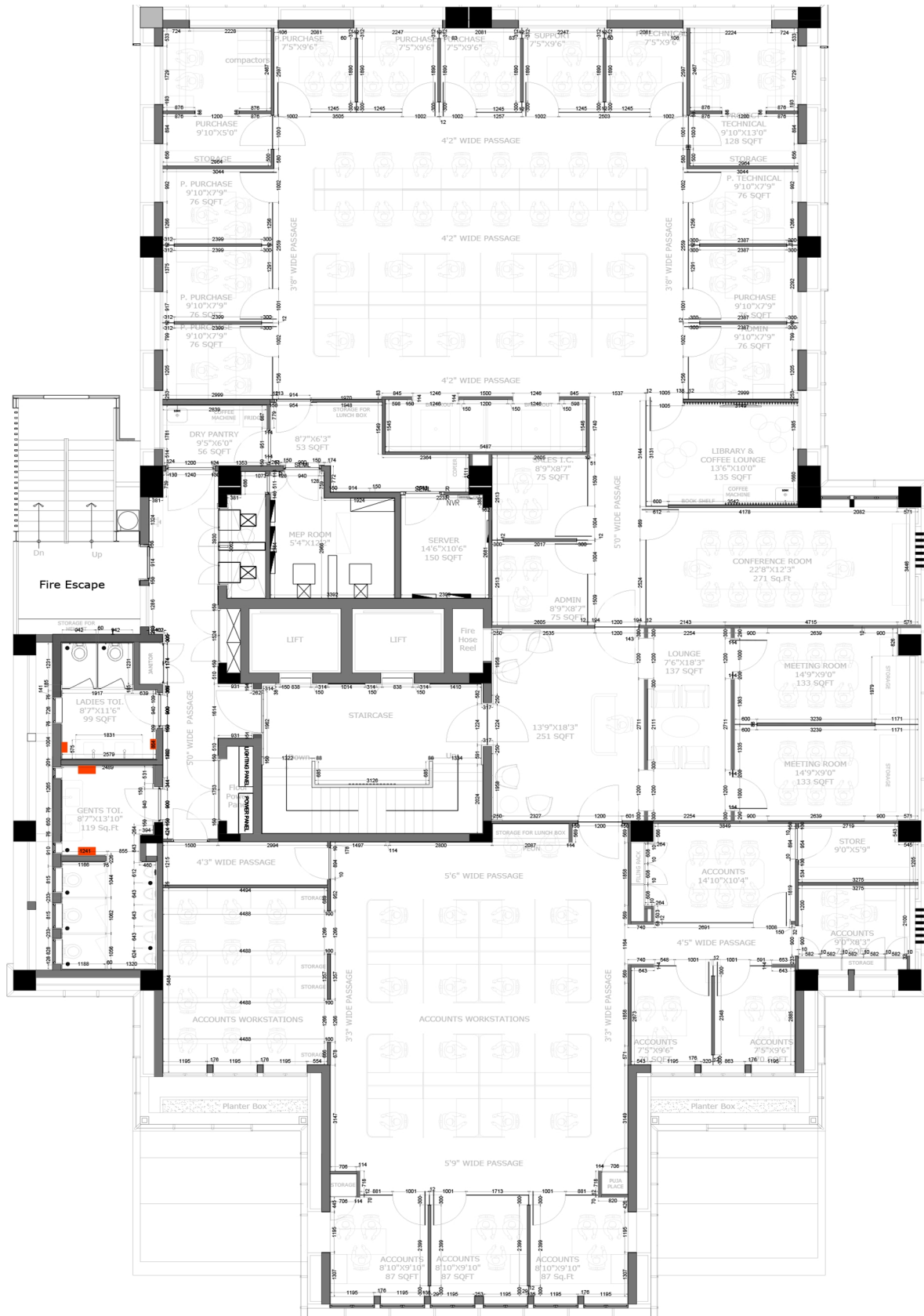
50 CAR PARKINGS
113 BIKE PARKINGS



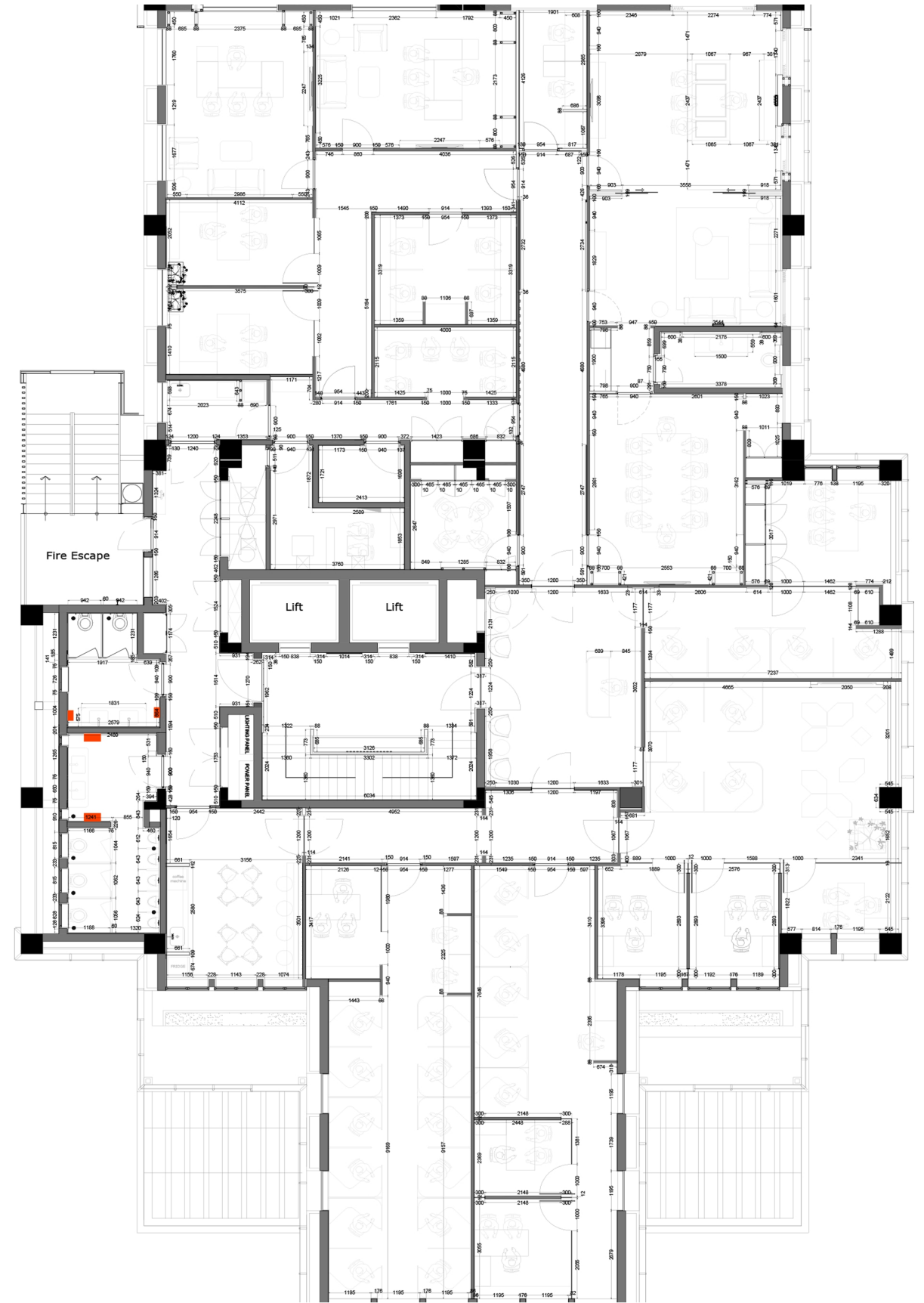
SECOND FLOOR



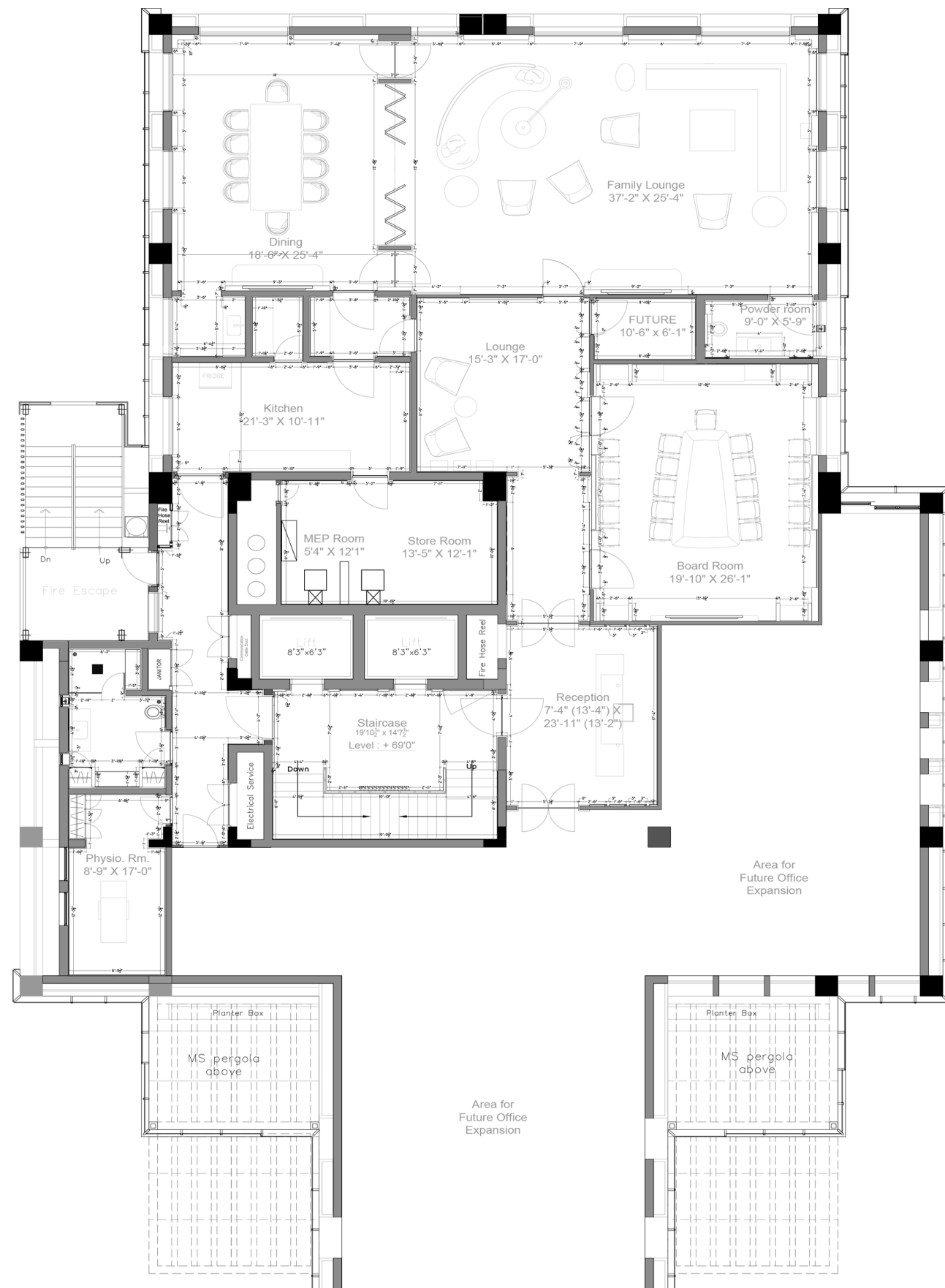
THIRD FLOOR



FOURTH FLOOR



FIFTH FLOOR



SIXTH FLOOR



FACADE VIEW



INFRASTRUCTURE WORKS
ONGOING ON SITE

WORKS CARRIED OUT

PLYWOOD
PARTITONS

ELECTRICAL

FIRE
FIGHTING

HVAC

LIGHTING

BMS

RACEWAYS

NETWORKING

FALSE CEILING

COMMERCIAL INTERIOR OFFICE:

Commercial interior design refers to the interior design done in commercial spaces, such as offices. Designers then work with the completed space, adding furniture and decor to meet the original design goals.

PARTITIONS PROVIDED

FULL HEIGHT PLY-WOOD PARTITIONS
HALF HEIGHT PLY-WOOD PARTITIONS
FULL HEIGHT PLY-WOOD PARTITIONS
WITH FIXED GLASS

PROPERTIES OF PLYWOOD

LIGHT WEIGHT
HIGHER STRENGTH
FIRE PROOFING
SOUND INSULATION
HIGH DUCTILITY

FEATURES

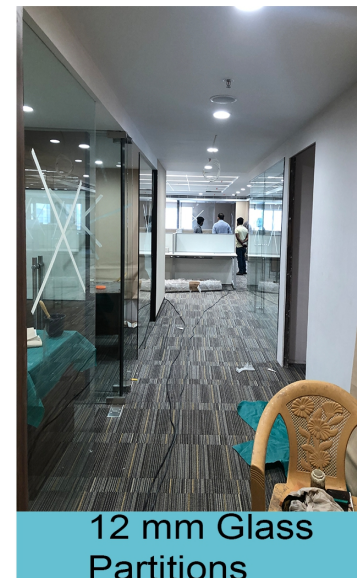
QUICK INSTALLATION
FLEXIBLE
COST EFFECTIVE
THERMAL SECURITY
FIRE RESISTANT



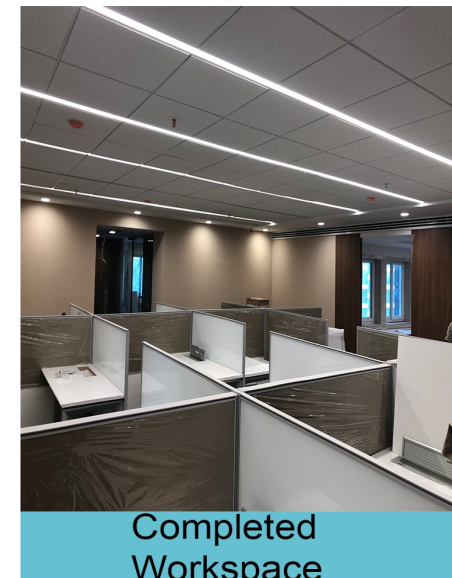
Polyurathene foam
Insulation



Ply - board
Partitions



12 mm Glass
Partitions



Completed
Workspace

Materials Used

- * 18 mm Ply board on either side
- * GI or Aluminium Square section 2" or 1.5" frame work
- * 12 mm THK Glass For partitions
- * Screws and Fasteners

Partitons Making:

- * Fixing of Square Sections
- * Fixing of Ply on single side
- * Electrical Works done inside
- * After finishing Joint putty is applied in two coats

CEILING TYPES PROVIDED	Advantages Of Gypsum	Advantages Of Grid Ceiling
GYPSUM CEILING GRID CEILING	Ease Of Installation Fire resistance Sound Insulation Durability Economy Versatility	Slick Appearance Long Term Durability Fire & Water Resistant Acoustical Performance Minimal Maintenance Versatility



Fixage of Aluminium channels



Gypsum board is laminated with mica



Pending Works Of Other Services Were done After Fixing of Channels



INSTALLATION PROCEDURE:

* The Gypsum & Grid Ceilings are done after the completion of partition work

*First marking of ceiling heights in the side wall

*The Studs are then suspended in the ceiling and been fixed at the bottom with GI sections

* After the base is ready , the gypsum board is been fixed at the bottom with screws

* The side of the gypsum boards is been completed during the installation of AC works

* The Gypsum boards are then finished with Mesh tape and putty



Gypsum Plaster Was done to make Joint free of two boards



Post Installation



Post Installation Of Grid Ceiling

PROJECT SCHEDULE AS OF IN MARCH 2020

TIL PROJECT, CHENNAI

Project timelines (As per present site condition)		Nov-19		Dec-19		Jan-20		Feb-20		Mar-20		Apr-20		May-20		6th March 20	13th March 20	20 th March 20	27th March 20	3 rd Aril 20									
		16 to 30	01 to 15	16 to 31	01 to 15	16 to 31	01 to 15	16 to 29	01 to 15	16 to 31	01 to 15	16 to 30	01 to 15	16 to 31	Percentage of work completion	Percentage of work completion	Percentage of workcompletion	Percentage of work completion		Percentage of work completion									
1	Civil Contractor - Power Builders	As per discussion with Architect														Recurring													
2	External Glazing & ACP,UPVC Windows, Structural Works - Power Builders	As per discussion with Architect														60%	65%												
3	Interior Contractor - Cherry Hill Interiors PVt Ltd	Mob															30%	35%											
4	Electrical (Low Side) Contractor - CherryHill Interiors PVt Ltd			Mob															40%	42%									
5	Electrical (High Side) Contractor- Shri Vaari Electricals	Mob															40%	42%											
6	HVAC Contractor - Cold point Pvt Ltd		Mob															30%	35%										
7	HVAC (IDU & ODU) Supplier - Daikin Air Conditioning India. Pvt Ltd			Mob																									
8	Fire Fighting and Fire Alarm System - Protel Labs Pvt Ltd		Mob															25%	30%										
9	IT Passive Networking Work - Vj Network Pvt Ltd.		Mob															15%	25%										
10	Landscape			Mob														0%	0%										
11	Exernal works (Driveway, parking, lighting, gardening, Waterbody,etc)		Mob															10%	15%										
12	BMS(Venba)					Mob															2%	10%							
NOTE	All orders to be confirmed. All material to be approved. All drawings to be approved. All RFI should be closed within 2 days. All commercial requirements and rate only items to be approved within 24 hours. Vendors must be prepared to work min 18hrs. TNEB electrical approval,Fire(NOC),Building permit complaints.This not included in the timeline.																												

TIMELINES AFTER LOCKDOWN MAY 2020

Vendor / Contrator - Feedback on Resumming Work - Tagros- New Office

07.04.20

Sl. No.	Supplier / Contractor Name	Reminder	Response	Mobilization Time	ETD of Materials	Work Completion	Testing & Commissioning	Drawing/ Payment Clearance	Remarks	Remarks by Architect
1	Capfam India			-	6-8 Weeks	-	-	Advance	Clearance to HP is pending by Capfam. Capfam to revert on the site work schedules.	Tagros scope
2	Cherry Hill Interiors			Imm / 1Week for bal.	Available	6 Weeks	-	Clearances Pending / Payment Requested	From the date of all clearance - Refer Vendor Mail	This dates are valid, subject to the completion of other trades, namely Coldpoint, Protel, Venba and VJN
3	Cold Point			-	-	-	-			We see major delay in their timeline of work with respect to cash flow/ availability of ODU, IDU, Parts (Refrants) etc.. Manpower availability is confirmed. They need to be monitored on a day to day basis. They are solely responsible for holding up other end trade work.
4	Cybertronics Security			-	-	-	-			
5	Featherlite			-	5 Weeks, i.e 30.5.2020	-	-	Revised shop drawings approval and site marking layout approval for the 2nd, 3rd, 4th and 5th floor is required.	1st Floor Site Marking Pending	See no delay from their end in manufacturing. But they are very slow in responding and issuing shop drawings for approval.
6	Gunnebo			-	-	-	-			
7	Innovative Antares (Carpet)			-	-	-	-			Tagros to follow up on the dates. Need it atleast two weeks before opening date
8	Power Builders			-	-	-	-			They have completed the majority of internal work. See no delay from their work.
9	Powerica			-	-	-	-		1 DG Recd, 2nd DG on hold by us, Structural work pending, PMC to Coordinate	Anticipate no delay from their end. Looking to take delivery ASAP as Shri Vaari work depends on that.
10	Protel Labs			30% Imm., bal 3 days	FAS System from Edwards - an issue	20-25 days	-	1st Floor Layout Pending / other small clearances	Payment - Requested - to be confirmed with PMC on Status & then paid.	FAS system an issue which needs to be resolved ASAP. That is holding up work for other trades. Need to monitor their work on a day to day basis.
11	Sastha Ceramics			-	-	-	-		PMC to Co-ordinate	See no delay from their end.
12	Schindler			-	-	-	-		Reply Recd - Will revert on 7.4.2020	There have been some reworks done by them which have delayed the time. Will be monitoring them to get work done and ensure that they terat TIL Bldg. as priority.
13	Shri Vaari Electricals			-	-	-	-			Donot see delay from their side except any liasioning work. Rising main delivery by mid may, which should be preponed. Tagros to facilitate that
14	SP Enterprises			-	-	-	-		Ready for Despatch	Can be taken delivery as Shri Vaari electricals would want to connect it.
15	Spero Foundations			-	6-8 Weeks	-	-		Will be able to give clear picture after Lockdown	Will follow up after Lockdown.
16	Urban Habits			15.04.2020	8 Weeks	Mid June.	-			Local made. Fabric/ Leather may come from China which can run into some delay. Can be substituted by local materials. Require qucik action by Tagros on the PO and start of work
17	V J Network			-	-	-	-			We donot see any delay from their side
18	Venba Tech			20.04.2020	04.05.2020	25.05.2020	02.06.2020			We donot see any hinderance to their related work but we see some timedelay in their end equipments (if from China). Need to be followed up.

Status of work progress at site 20-May-2020 18 June 2020(Expressed as % of work done)										
S.NO	FLOOR	Protel Labs (Fire Services)	Cherryhill (Interior)	Cherryhill (Electrical)	VJ Networks	Venba	Power Builders (Civil)	Power Builders (Glazing)	Power Builders (Plumbing)	Coldpoint (HVAC)
1	GROUND FLOOR	0% 0%	0% 0%	0% 0%	0% 0%	0% 0%	60% 60%	0% 0%	30% 30%	2% 20%
2	FIRST FLOOR	0% 0%	5% 10%	0% 5%	0% 0%	0% 0%	90% 90%	20% 20%	80% 80%	0% 0%
3	SECOND FLOOR	90% 90%	50% 55%	60% 60%	70% 75%	30% 40%	90% 95%	20% 20%	80% 80%	60% 75%
4	THIRD FLOOR	80% 90%	60% 65%	60% 60%	70% 75 %	30% 40%	90% 95%	20% 20%	80% 80%	70% 75%
5	FOURTH FLOOR	70% 90%	10% 12%	40% 40%	20% 50%	0% 10%	90% 95%	20% 20%	80% 80%	5% 60%
6	FIFTH FLOOR	90% 90%	70% 72%	60% 60%	70% 75%	20% 30%	90% 95%	20% 20%	80% 80%	70% 75%
7	SIXTH FLOOR	40% 90%	2% 4%	0% 0%	0% 0%	0% 0%	60% 70%	20% 20%	80% 80%	0% 0%
8	TERRACE FLOOR	N/A	0% 0%	0% 0%	N/A	N/A	50% 70%	90% 90%	5% 10%	0% 0%
9	WET RISER SHAFT	0% 0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	EXTERNAL YARD	0% 0%	N/A	N/A	N/A	N/A	N/A	20%	30% 50%	N/A

WORK COMPLETION TRACKER

<u>TIL - CHENNAI, TN</u>						
<u>TRACKER</u>						
					Date:	5-Feb-20
Sl. No	Description	Vendor	WO Date	Work Start on	Work Completion as per contract	Work completion as per reality
1	Civil work	POWER BUILDERS				
2	Electrical Works - Contract					
a	Lowside work	CHERRY HILL	23.10.19	23.10.19	22.1.20	22.5.20
b	High side work	SHRI VAARI	24.10.19	24.10.19	23.1.20	5.4.20
3	HVAC - Supply & Installation	COLD POINT	17.10.19	17.10.19	16.1.20	25.5.20
4	Fire Fighting system	PROTEL LAB	17.10.19	17.10.19	16.1.20	25.5.20
5	Building Management System	VJ NETWORKS	1.10.19	1.10.19	1.1.20	30.5.20
6	Interior works	CHERRY HILL	23.9.19	23.9.19	22.1.20	16.5.20
7	Modular Furniture	FEATHERLITE	9.1.20			
8	Generator - Supply & Installation	POWERICA	10.10.19			
9	Landscape (Soft scape & Hard scape)	Genius Loci Landscape Work				

FF&E delivery list and expected dates

Deadlines Assumed -

2nd to 5th floor completion date - 31 Oct. 2020

Ground and 6th floor completion dates - 10 Nov. 2020

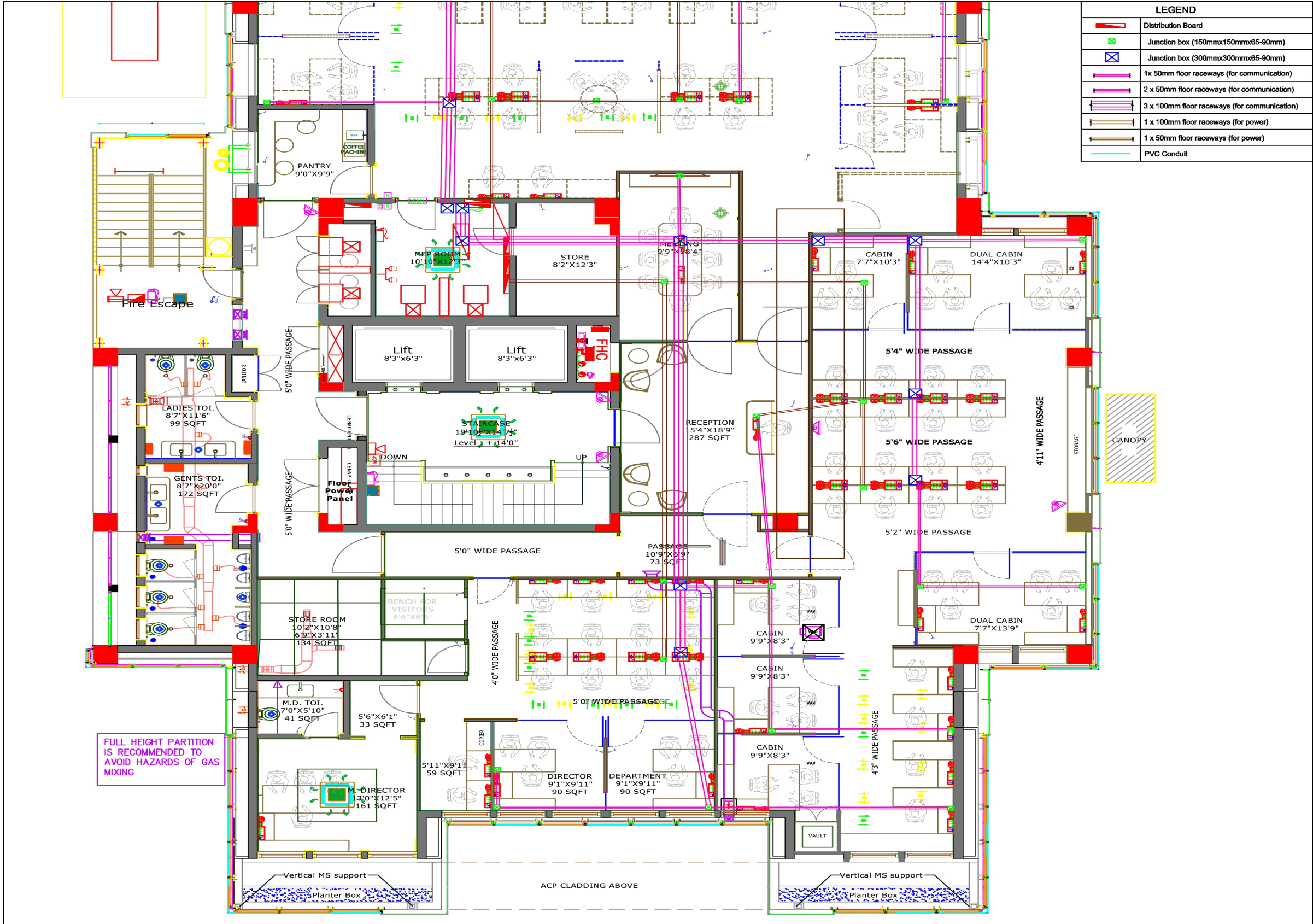
External yard completion date (Without softscape) - 15 Nov. 2020

S.NO	Item	Delivery Date at Site (Required)	Remarks
1	Carpet	28th Oct.	
2	Modular Furniture	20th Oct.	
3	Customized Modular Furniture	20th Oct.	2 Nov. / 8th Nov.
4	Chairs	20th Oct.	Already delivered
5	Cushion furniture	20th Oct. / 28th Oct.	Knocked out condition / Ready to place
6	6th floor / GF cushion furniture	2 Nov. / 8th Nov.	Knocked out condition / Ready to place
7	Canteen furniture	2 Nov. / 8th Nov.	Knocked out condition / Ready to place
8	Decorative lights for floors 2-5 and 6th floor	19. Oct. / 2 Nov.	Installation will start from floor 2 and move to floor 5
9	TV	28th Oct. / 8th. Nov	GF and 6th floor respectively
10	Fridge / Water cooler and coffee machine	12. Oct. / 28. Oct	Sample and final product respectively
11	External electrical fittings	19 Oct. / 10. Nov.	Sample and final product respectively
12	RO System (Outlet)	12. Oct. / 28. Oct	Sample and final product respectively
13	RO System and WS Plant	16 Oct.%	To be at site
14	Kitchen Equipments (All)	2 Nov.	
15	Kitchen sink (quartz)	16 Oct.,.	To be at site
16	Boom barrier	2nd. Nov.	Already at Citibank
17	Flap barrier	26 Oct.	
18	Fire door (remaining)	19 Oct.	
19	Signage vendor / Art work / LED signage	?	To be on board ASAP
20	Dirt buster	2 Nov.	Euronics (Procured or else provision will be made)
21	Vault	16 Oct.	From Citi Bank
22	EPBAX and ISP	28 Oct.	
23	Ganesha Sculpture	8 Nov. / 13 Nov.	Indoors or outdoor placement respectively
24	Gate	21. Oct	

POWER BUILDERS CONTRACTOR BILL CLAIM REPORT

[illegible]

FLOOR RACEWAYS LAYOUT



FLOOR RACEWAYS:

A raceway (sometimes referred to as a raceway system) is an enclosed conduit that forms a physical pathway for electrical wiring. Raceways protect wires and cables from heat, humidity, corrosion, water intrusion and general physical threats.

RACEWAYS PROVIDED:

UNDER FLOOR

UNDER CEILING

LAYING PROCESS:

- SURFACES ARE CLEANED
- RACEWAYS IN FLOOR SHOULD BE AIR AND WATER TIGHT
- SIDES AND BOTTOM MIN 2MM THICKNESS
- ALUMINIUM TRUNKING BOXES SHOULD BE USED
- CONDUITS ARE BEEN LAYED TILL DISTRIBUTION BOARDS
- CONDUITS ARE BEEN CONCEALED AND CLOSED



RACEWAYS LAYING



RACEWAYS JUNCTION



AFTER POURED CONCRETE
SCREED FOR 2.5"

Logistics management in construction

Logistics management is the process of planning, implementing and controlling supply chain resources, generally from the point of origin, such as raw material accumulation, to the point of destination, i.e. delivering goods to the correct location on the construction site.

Effective logistics management is important can enhance efficiency and productivity, having a positive overall impact on cost and time. For example, good logistics management ensures the workforce are able to carry out required activities without delays caused by materials being delivered to site.

Logistics management involves the integrating of many activities:

Resource assessment.

Lead time assessment.

Supply and demand planning.

Sourcing and procurement.

Production planning and scheduling.

Packaging and assembly.

Inventory management and order fulfilment.

Inbound and outbound transport management.

Warehousing.

Materials handling.

On site vehicle and plant management.

Customer services.

Waste management.



MATERIALS HANDLING AND STACKING AT APPROPRIATE PLACE

IMPROPER MATERIAL MANAGEMENT

Title - Fines Master				
Vendor - As mentioned				
Vendor	Date of warning	Infraction	Fine amount	Fine Status
Cherry Hill	18-11-2020	Not clearing work debris after work each day and putting in the designated bins / external yard. Food waste being thrown into the rear yard (Past infraction) Food waste stored in buckets in the first floor First floor being dirty with scraps and debris Placing marble in the exit gate and not allowing vehicles to come in Failure to provide workers accomodation (outside site) Dumping debris on the lift landing Not confirming to IGBC standards of LEED rating	Rs. 10000	Final warning
All vendors	25-12-2020	No food items should be consumed withing the Building interior including tea. Area to consume food are external yards, Under canopy, terrace or fire escape canopy. All food waste to be disposed at the scrap collection area, near PMC office or outside the site. The first warning will be followed by the second warning with fine of Rs 5000 per infraction in a day	Rs. 5000	Pre warning
All vendors	25-12-2020	Toilets are constructed within the premises. All vendors should use those toilets to ease themselves. Easing within the building will carry a Rs 1000 fine with the worker being sent away from the site	Rs. 1000	26 Dec. 10 am deadline
Cherry Hill	25-12-2020	Marble and M Sand has to be removed from the road work area (External area). Many warnings have been given. If it is not done on the 26th Morning, this will attract a fine of Rs 10,000	Rs.1000	26 Dec. 10 am deadline
Protel labs	25-12-2020	Ground floor sprinkler pipe is not yet connected to main pipe. Cherryhill is doing the ceiling. If it is not done on the 26th Morning, this will attract a fine of Rs 10,000	Rs.1000	26 Dec. 10 am deadline
Cherry Hill	25-12-2020	Carpets are not taken care of properly. There should be a full time person to protect all carpets with tape and vinyl sheet. The floors has been handed over to you. Any further infraction from 26th Dec. will attract a fine of Rs 5000 per infraction per day.	Rs. 5000	First warning
Cold point	25-12-2020	Cherry hill is closing the ceiling. The innaguaration date is 3rd Jan. You are requested to do all the above ceiling requirements including Electrical connection for exhaust. Any intentional mistake due to your absence at site will attract a fine of Rs 3000 per infraction. There could be multiple infractions identified per day	Rs. 3000	First warning
All vendors	25-12-2020	All vendors are required to provide and produce Workman compensation insurance for the workers working at site. This is mentioned and also accepted by yourselfs in your contract with the Client. Only 2 Vendors have provided this thus far. This infraction would cause Rs 20000 fine for failure to provide the Workman compensation insurance by 28th Dec.	RS. 20000	28 Dec. 2020 Last date

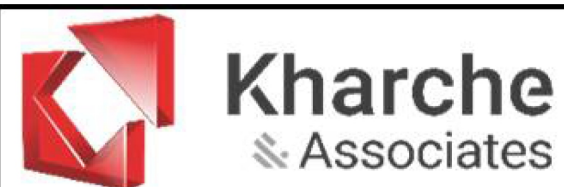
AGENDA



Agenda

Meeting Title		TIL Office Building - Client meeting - 5		
	Meeting Date	20-Dec-19	Meeting Time	4.30 P.M
Meeting Location	TIL Office Building Site			
	Client		TAGROS/TIL	
	PMC		Kharche & Associates	
	Architect		Kharche & Associates	
	Cherryhill(CH-I) & (CH-E)		Cherry Hill	
	Civil Contractors		Power Builders	
Agenda points				
S.No.	Agenda description			Presentation
1	Review of Electrical switches submitted at TAGROS/TIL Office and selection (Samples to be brought to site by TIL/TAGROS			Cherryhill
2	Review of Lights of Sperio at Mock up room / Near Mock up room			Architect
3	Vendors yet to report on site & Its impact on the project delivery			PMC
4	Update on project progress and bottle necks envisaged			PMC
5	Review of progress of Civil works at site			PMC
6	Half cabin mock up (Only carcass) inspection for Area			Cherryhill / PMC
7	Discussion on Euronics Dirt Buster			PMC
8	Decision on Hand dryer / Recessed Hand Dryer Combination			PMC
9	Any other matters			All

Prepared By	Prabhu Boniface	Date	19-Dec-19	Email	pmc@kharche.com
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Agenda

Meeting Title		TIL Office Building - Client meeting				
	Meeting Date	18-Mar-20	Meeting Time		4.00 P.M	
Meeting Location		TIL Office Building Site				
		Client		TAGROS/TIL		
		PMC		Kharche & Associates		
		Architect		Kharche & Associates		
Agenda points						
S.No.	Agenda description				Responsibility	
1	Loose furniture update				Architect	
2	Alternative Laquered glass sample (Egg White)				PMC	
3	Landscape update to Client				Architect	
4	Lighting Automation update to Client				Architect	
5	Status of Fire door, Rolling shutter PO				Client	
6	Kitchen equipments update to Client				Archietct	
7	First floor plan comments				Client	
8	Review of works at site and review of targeted completion dates				PMC	
9	Any other matters				All	

Prepared By	Prabhu Boniface	Date	17-Mar-20	Email	pmc@kharche.com
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Agenda

Meeting Title		TIL Office Building - Client meeting			
	Meeting Date	18-Sep-20	Meeting Time		3.00 P.M
Meeting Location		TIL Office Building Site			
		Client & IT Team of Client		TAGROS/TIL	
		PMC		Kharche & Associates	
		MEP Consultant		Sumanam Engineering	
		BMS Consultant		Venba	
		Networking consultant		VJ Networks	
Agenda points					
S.No.	Agenda description				Responsibility
1	Network layout / Flip up or Pop up box / Sercie provide routing				Tagros / TIL
2	Landscape Vendor appointment				Tagros / TIL
3	External lighting works				Tagros / TIL
4	Paver block cumcurrence				Tagros / TIL
5	Automation issue.				Tagros / TIL
6	Carpet / Modular Furniture / Kitchen equipment				Tagros / TIL
7	Electrical room lighting				Tagros / TIL
8	Dirt buster				Tagros / TIL / PMC
9	Rear wall finishing (Optional)				Tagros / TIL
10	Any other matters				All

Prepared By	Prabhu Boniface	Date	18-Sep-20	Email	pmc@kharche.com
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MINUTES OF MEETING

Meeting Title	TIL Office Building -Client Meeting.-8		
Meeting Date	26-Feb-20	Meeting Time	16:00:00
Meeting Location	TIL Office Building Site		
Meeting Attendees	TAGROS / TIL (Client)		Mr. Kapil Jhaver, Mr. Ashish Mr. Jayram Sarma, Mr. P Sreenivasan.
	Cherryhill - Low side electrical (CH-E) Interiors (CH-I)		Mr. H.V.Suresh, Mr.Prakash (Only site discussions)
	Featherlite		Mr. Ankit (Only Modular discussions)
	Kharche & Associates (PMC)		Mr. Prabhu Boniface
	Kharche & Associates (Architects- K&A)		Ar. Prasanraj M Jain

S.No.	Reviews of materials and approvals	Responsibility	Due
	Introduction		
1	Mr. Kapil and team visited site to review the progress of work and to close any loose ends / take stock of the current progress of work.	Info.	
	Toilet		
2	A request was made by PMC for TAGROS to inspect the Mock up toilet again for any user preference changes. However, the Toilet interior was approved as built. CH-I will be asked to proceed with the same finishes.	CH-I	
	Half Cabin (Modular Furniture & Glass door)		
3	The new modular furniture table for the cabin was placed inside the cabin by Featherlite. Mr. Kapil inspected the table, sat on the cabin designate chair to see if the space was enough and was satisfied with it	Featherlite	
4	Mr. Kapil asked for updates on the door handle. The Architect explained that he will removed the knob on the inside, put a door stopper close to the door entrance so that the door will open seamlessly. It was also mentioned that the half cabin will have the door width reduced to 900mm due to the small width of the cabin.	CH-I	
	General discussion		
5	Mr. Kapil stated that he had an idea for the first floor where in only screeing (with raceways) and ceiling works to be done, for the area in the back for future expansion but based on the design that is existing.. No furniture, false ceiling and modular furniture.	PMC	
6	It was stated to Tagros by the PMC that there was a 1 week delay from Protel Labs (PL) and 2 weeks delay from ColdPoint (CP). This was condoned. The PMC stated that they have revised commitments from them, which will be monitored closely and if missed, will be intimidated to the Client. Mr. Ashish also made calls to CP and PL and conveyed his displeasure.	Info,	
7	Further to point 6 above, it was conveyed that Venba team was also unclear on their scope of work (PO or assurances not given to them by the Client) for the past 3 weeks. However Client stated to the PMC that all PO was given. PMC stated that Venba has agreed to start their work from Monday. Mr. Ashish also made a call to Venba and conveyed this. However Ms. Banumathy stated that the PO was given recently and that she had committed that work would start on Monday.	Info.	
8	It was stated to Tagros by the PMC they had already asked the DG to be delivered at site but the payment was pending. Though it was agreed in the meeting to get the DG delivered, it was later decided to get the DG after pavement consolidation to avoid any damage to the DG	Info.	
	Kitchen Equipments		
9	Mr. Kapil asked regarding the status of the Kitchen equipments. When told that the quote from Mr. Jatin had not come for over 10 days, Mr. Kapil called Mr. Jatin and asked him to give it soon. Mr. Kapil fixed a dateline of 28th Feb. If not got by then, other vendors should do it. PMC stated that based on the make of the equipments delivered, the electrical and plumbing routings may vary.	Tagros	
	Leed Documentation		
10	Mr. Kapil asked about the Leed Status of the Project. The Architect explained that the Leed facillitator had sent a mail for the fulfilling requirements to each vendor but the vendors has not replied. PMC suggested a Leed facilitator at the vendor's expense. Mr. Kapil wanted the Leed documentation to be done. He fixed March 8th as the last date for it to be done.	All vendors / PMC	
	Terrace tiles / Terrace Toilet		
11	Mr. Kapil enquired about the progress of work in the terrace. The Architect stated that water proofing was being done. Mr. Kapil said that he would specify / arrange the tiles and put the tile work on hold. It was also reminded to the Architect that the terrace should be having seperate toilets. The Architect responded by saying that he would present the design	PMC/K&A	



MINUTES OF MEETING

Meeting Title		TIL Office Building -Client Meeting.-10			
	Meeting Date	13-Mar-20	Meeting Time		16:00:00
Meeting Location		TIL Office Building Site			
Meeting Attendees	TAGROS / TIL (Client)			Mr. Kapil Jhaver, Mr. Jayram Sarma, Mr. P Sreenivasan.	
	Kharche & Associates (PMC)			Mr. Prabhu Boniface, Mr. Karthik Pandian	
	Kharche & Associates (Architects- K&A)			Ar. Prasanraj M Jain, Ar. Prashanth	

S.No.	Reviews of materials and approvals	Responsibility	Due
	Introduction		
1	Mr. Kapil and team visited site to review the progress of work and to close any loose ends / take stock of the current progress of work.	Info.	
	General discussion		
2	Mr. Kapil wanted to ensure that Cherryhill Interior finishing should be good. He wanted to ensure that their sub contractors would be qualified people. The Architect explained about how the fixed furniture would be done by Cherryhill. Mr. Kapil wanted the Architect to expedite the order. The Architect replied that he was working on it	Info. Archietct	
	Meeting room		
3	Mr. Kapil wanted to change some detailing of the TV panel at the MUR meeting room. However, after various discussions, it was decided that only the laquered glad could be changed from White to Egg White. Mr. Kapil wanted to see the sample.	PMC	
	Landscape		
4	Mr. Kapil reviewed 13 deg. North quote. In the end Ar Prashanth stated that he would speak to the owner at his office and decide the elements to be used and to give him a fixed budget.	K&A	
	Kitchen Equipments		
5	Mr. Kapil asked regarding the status of the Kitchen equipments. Architect replied that he had received the quote for the kitchen equipments, which were short lead time items (Contrary to Mr. Kapil's thoughts). The Archietct will study it and revert to Mr. Kapil in the next meeting.	K&A	
	Leed Documentation		
6	Mr. Kapil asked about the progress of LEED. The Architect replied that he was working with the vendors and that no bills will be passed, if they fail to comply with LEED Documentation	All vendors / PMC	
	First floor		
7	The Architect enquired about the status of the first floor decisions by Mr. Kapil. It was decided that the Architect would follow the layout already given for the window frames. By Monday, there would be a new design and it would be executed in the furture. It was also agreed that in the layout, around 30% would not change. Also Mr. Kapil was clarified that even if the layout changed, he could chip the floor and extend the conduits.	Tagros / K&A	
	Fire door		
8	Regarding Fire doors, it was replied by the client that the PO would be released shortly	Tagros	
	Lighting Automation		

9	To a question on lighting automation, Mr. Kapil stated that he had already approved everything needed. Schindlet was the approved material. However the Architect had some detailed questions like : a. Zoning of lights - None was the reply b. On the 6th floor, only Board room, family lounge and dining room would have automation. The other areas talked about remained the same. There was to be no lighting automation in any associated Toilets / powder rooms. It was specifically noted that the 6th floor Lift Lobby and the reception would not have lighting automation. c. Ar. Prashanth recommended Shiloutte blinds. After discussion, it was agreed for it to be under automation. d. Ar. Prasanraj informed that all lights ordered were non dimmable and that in this case, all lights falling under Automation, should be dimmable	Automation Vendor	
10	Instead of going with different vendors (for automation), Mr. Kapil requested it to be put with Mr. Puneet.	Tagros	
	Loose Furniture & Decorative lighting		
11	There was an elaborate discussion on loose furniture. It can be summed up as follows : a. Chairs by Monarch (Client) b. Decision on loose furniture to be decided only after urbanhabit visits Client. However, Client is more inclined to Alsorg for Sixth floor loose furniture, but decision would be taken, only after seeing urbanhabit c. Moulded plastic furniture / chairs - Ar. Prashanth recommended Monarch, as it is advantageous to have a single vendor. d. Client asked about the decorative lights for the loose furniture areas. Architect replied that it would have to be taken up next.	Info.	
	Carpet		
12	It was requested by Mr. Kapil to see that the Carpet is delivered ASAP. Mr. Jayaram will be coordinating.	Mr. Jayaram	
	Conclusion		
13	The meeting ended with Ar. Prasanraj requesting that further site meetings to be preponed to Wednesday afternoons, after vendor meeting on the same day. It was agreed with only the next meeting being on Tuesday. Meeting ended at 5:30pm	Info.	
Prepared By Prabhu Boniface Date 13.03.20 Email pmc@kharche.com			
Disclaimer: This minutes of meeting captures & documents all points discussed during the meeting and marks the respective members. I points or discrepancy, the respective members are requested to highlight the issue to the forum within 24 hours of circulation of this MOM essence of this MOM stands final and fully justified.			



MINUTES OF MEETING

Meeting Title		TIL Office Building -Visit-13			
	Meeting Date	10-Nov-20	Meeting Time		15:01:00
Meeting Location		Tagros Site			
Meeting Attendees		TAGROS / TIL (Client)		Mr. Kapil Jhaver, Mr. Ashish Sarda	
		Cherryhill (Interior)		Mr. Suresh	
		Kharche & Associates (PMC)		Mr. Prabhu, Ms. Rekha, Mr. Sam Paul	
		Kharche & Associates (Architects- K&A)		Ar. Prashanth Kharche, Ar. Prasanraj M Jain,	

v

S.No.	Discussion	Responsibility	Due
	Glass Ledge		
1	Mr. Kapil was briefed about the unsuitability of the glass ledge proposed. It was decided to show a sample of arround 3' ledge held by a D Profile and other profiles as options	CH-I	11/11/2020 or 12/11/2020
	RO Units		
2	Location of RO units finalized in the pantry. RO piping would be done externally. Punch in is not needed.	TAGROS / PMC	
	4th floor Technical room		
3	Mr. Kapil asked to put a stop at the project technical office door to prevent it from clashing with the other project technical office (which is perpendicular to it)	CH-I	
	Rusting		
4	Mr. Ashish commented on the steel fire stairs getting rusted at a few places. It was decided to scrap the rust and paint the area	PB	
	Janitor closet shelves		
5	Mr. Ashish instructed Mr. Suresh to provide shelves at the Janitor closet. Sample was to be done by the next visit.	CH-I	
	Yard levels		
6	After reviewing the levels of the road, proposed grade of the Tagros building, existing Taj Clubhouse levels etc.. And ascertaing that Club house road was not generally flooded, Mr. Kapil asked to retain the same levels as proposed.	PB/PMC	
	South side compound wall		
7	After deliberating on the situation of the existing south side of the plots (ashirvaad building compound wall) Mr Kapil gave the go ahead to the proposal toraise the compound wall on the south side to full height with coping.	All vendors / PMC	
Prepared By	Prabhu Boniface	Date	12.11.20
Email	pmc@kharche.com		

Disclaimer: This minutes of meeting captures & documents all points discussed during the meeting and marks the respective members. In case of any missing points or discrepancy, the respective members are requested to highlight the issue to the forum within 24 hours of circulation of this MOM and unless notified, the essence of this MOM stands final and fully justified.



MINUTES OF MEETING

Meeting Title	TIL Office Building -Client Visit to Site			
	Meeting Date	4-Dec-20	Meeting Time	03:45:00
Meeting Location	TIL Site			
Meeting Attendees	TAGROS / TIL (Client)		Mr.Kapil, Mr. P Srinivasan, Mr. Jayram Sarma	
	Kharche & Associates (PMC)		Mr. Prabhu Boniface	

v

S.No.	Discussion	Responsibility	Due
	Carpet		
1	Mr. Kapil reviewed the laid carpet in the 3rd floor. The pattern was approved. It was mentioned to him, if he would want other patterns (using the same carpet) in other floors. After asking the carpet layers to show him other patterns, It was decided to go with the same pattern in all the floors	PMC/ Buildcraft	
	Cleanliness		
2	Mr. Kapil stressed on the cleanliness to the walls and that the workers should not dirty the interior.	All vendors	
	Pantry		
3	Mr. Kapil reviewed the pantry and got a general knowledge of the how the placement of equipments was going to be. He wanted the partitions of the pantry to be removed (3rd floor)	CH/PMC	
	Schedule		
4	Mr. Kapil requested the schedule of handover to be made and sent to him.	K&A	
	First floor		
5	Mr. Kapil wanted the first floor store to be retained even upon handover. Mr. Kapil also wanted a covering (of low cost) to be placed on the screeded floors to give it a good look. It could be carpet, tiles or lineoleum.	K&A / PMC	
Prepared By	Prabhu Boniface	Date	05.12.20
		Email	pmc@kharche.com

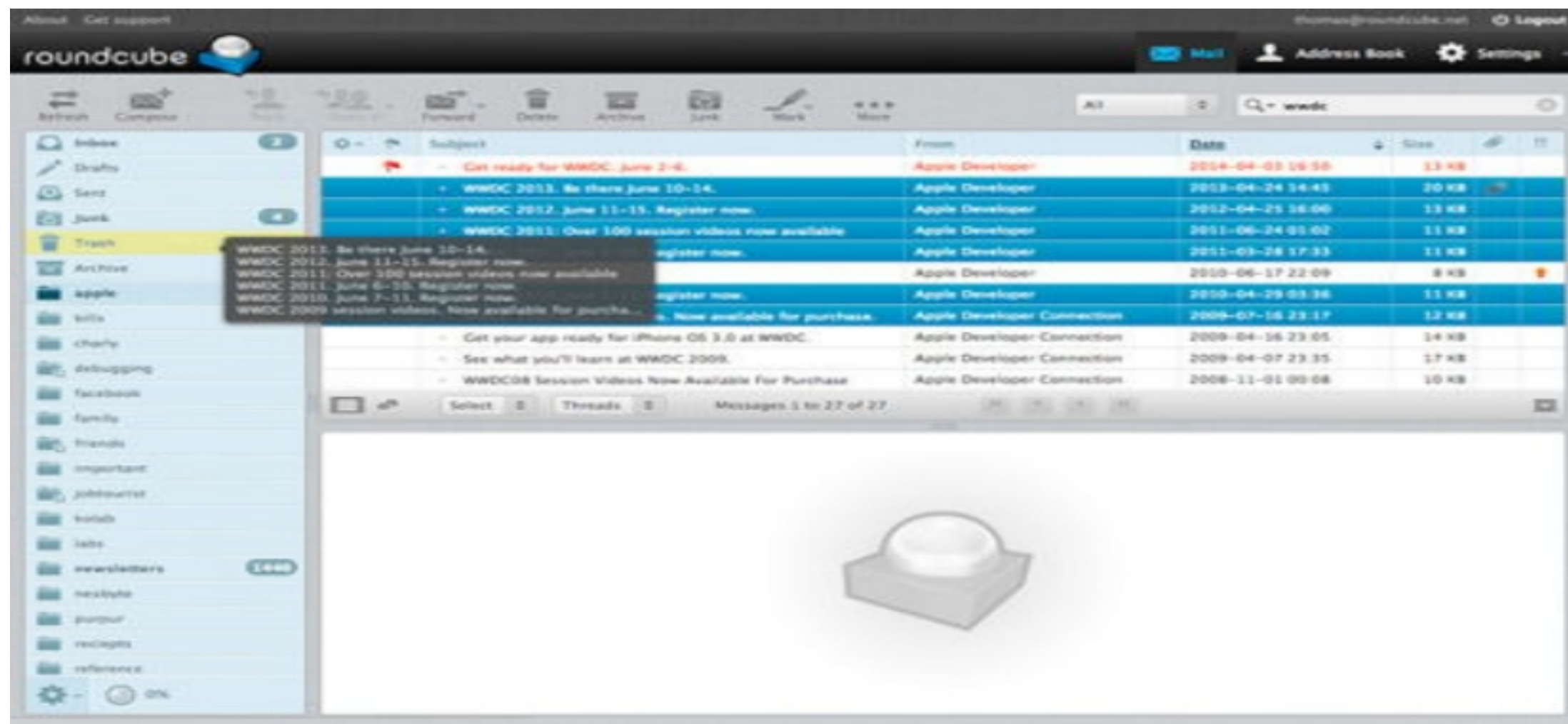
Disclaimer: This minutes of meeting captures & documents all points discussed during the meeting and marks the respective members. In case of any missing points or discrepancy, the respective members are requested to highlight the issue to the forum within 24 hours of circulation of this MOM and unless notified, the essence of this MOM stands final and fully justified.

COMMUNICATION MANAGEMENT:

Communications management is the systematic planning, implementing, monitoring, and revision of all the channels of communication within an organization and between organizations; it also includes the organization and dissemination of new communication directives connected with an organization, network, or communications technology.

justhost.com

Communication management between PM and Contractors and clients are being transferred through private mail



PROCUREMENT OF MATERIALS:

Procurement management is a strategic approach to optimizing organizational spend. It involves sourcing, requisitioning, ordering, inspection, and reconciliation. It means acquiring your goods and services from preferred vendors, within your determined budget, either on or before the deadline.”

In Tagroos each contractor order materials from the vendor directly and it is transported to site

After That contractor should send the Purchase order to PMC and if it is required to client side also

While Mobilizing the material to site , security will have the invoice of the material whatever received and will revert that to client side

MATERIALS USED ON THE MAIN FACADE



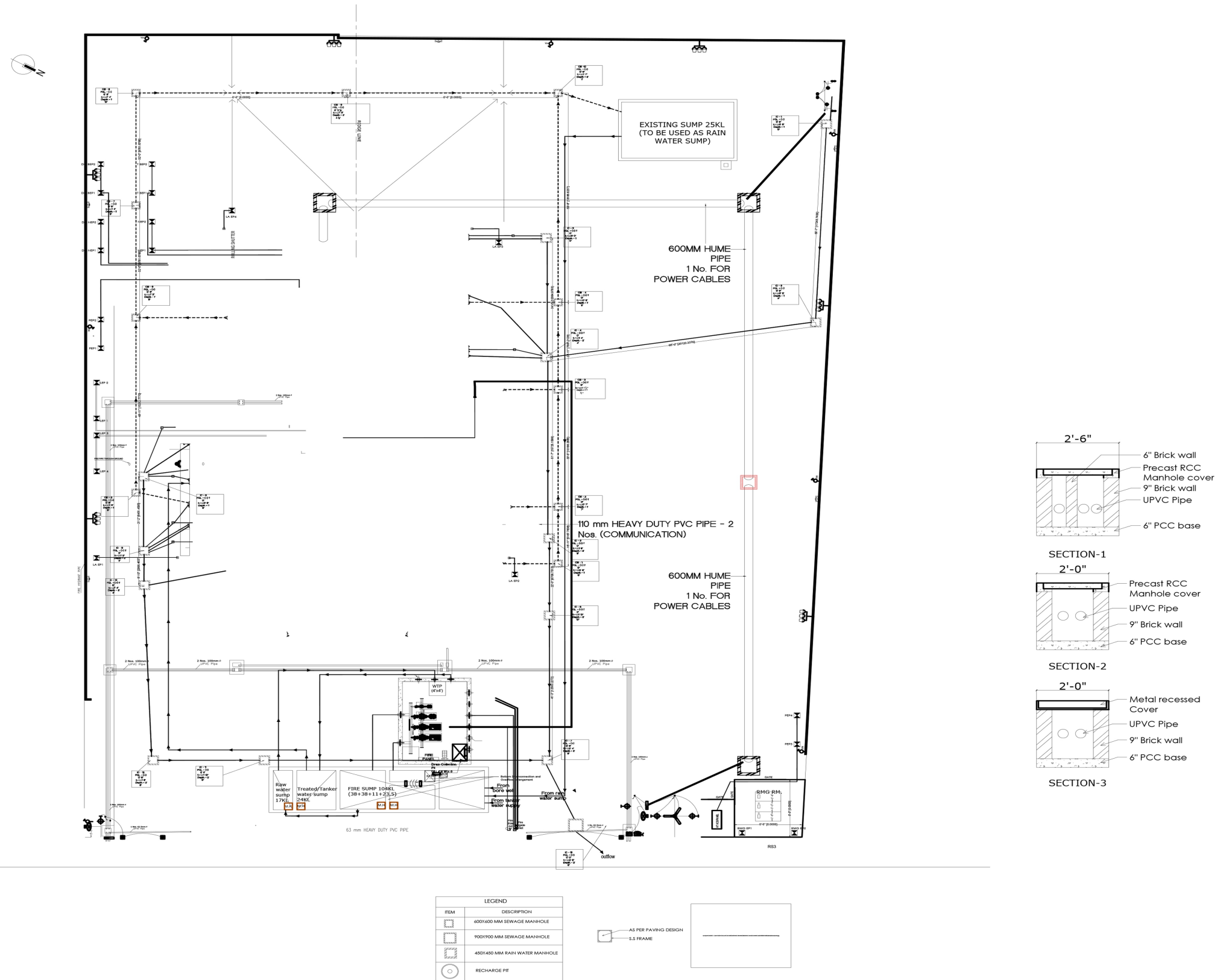
SEMI-UNITIZED CURTAIN WALL

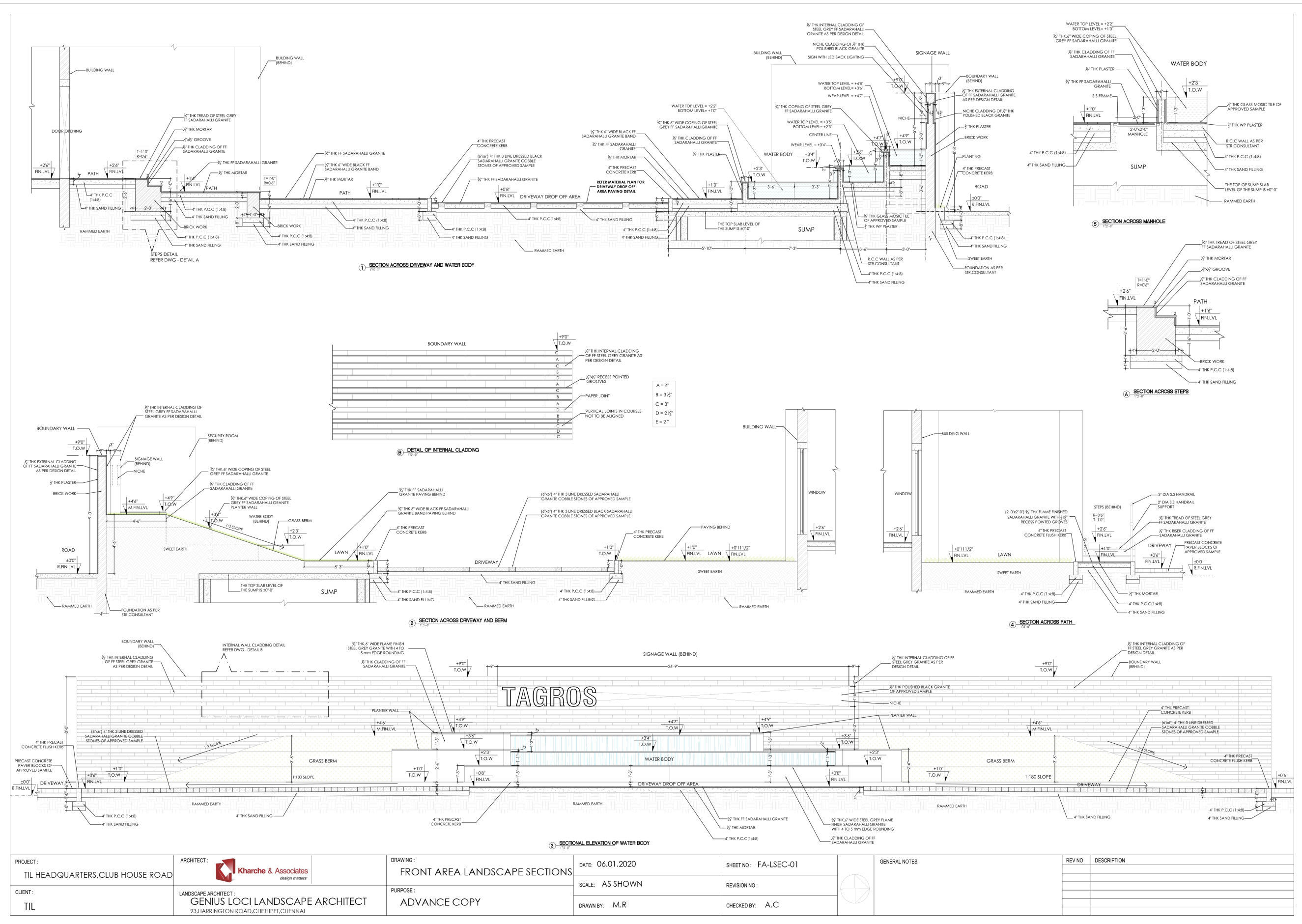
ALCHO PANELING

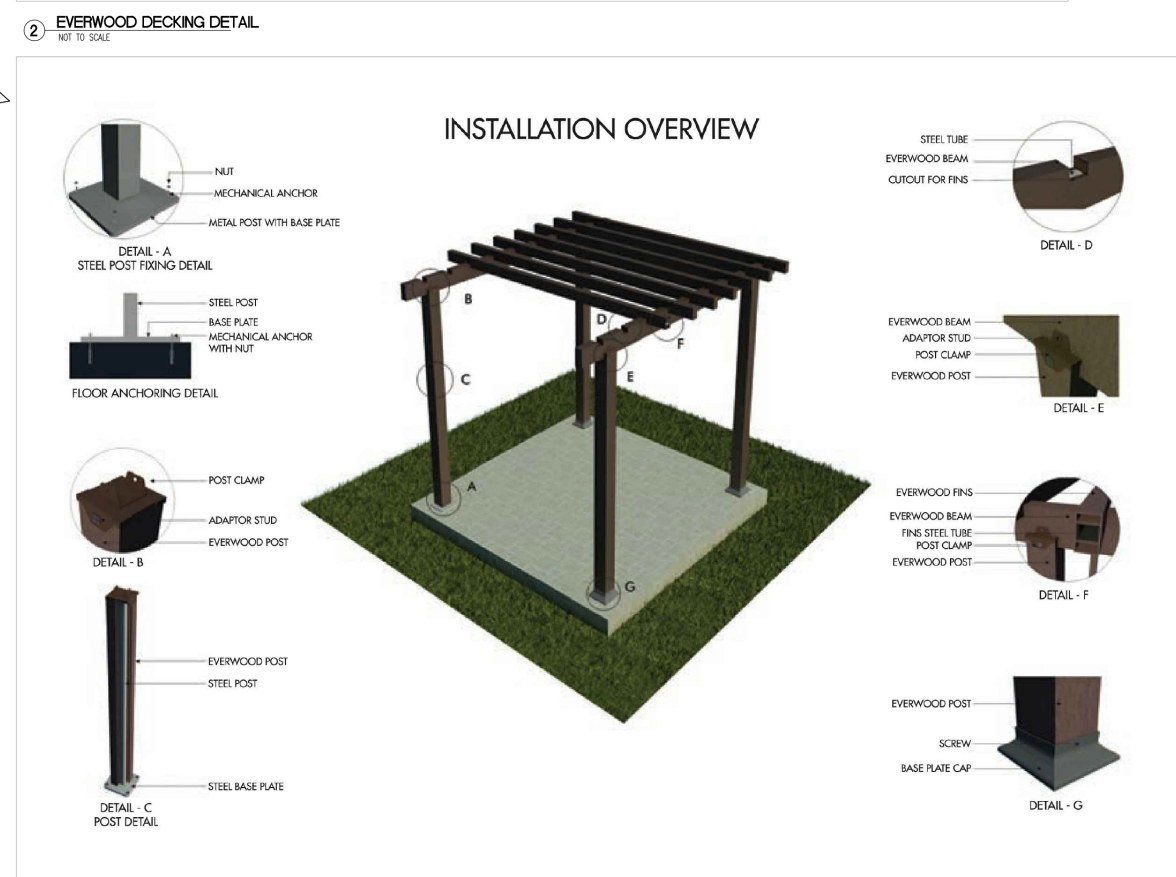
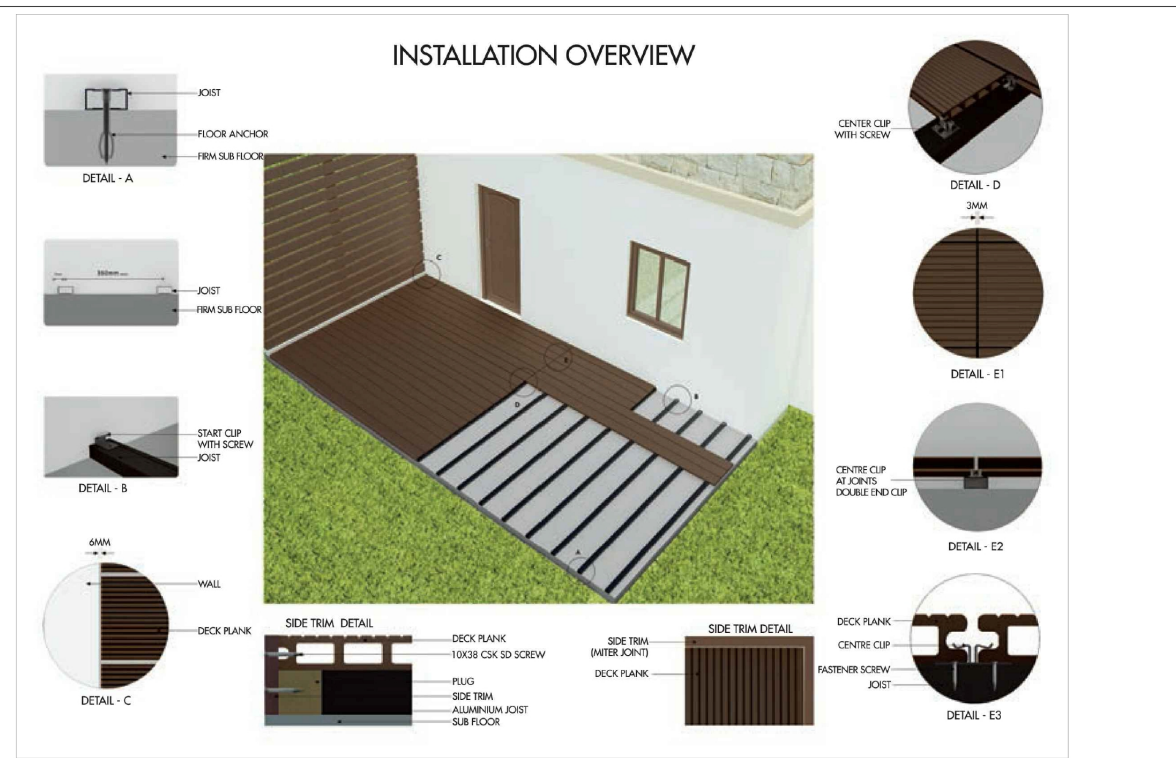
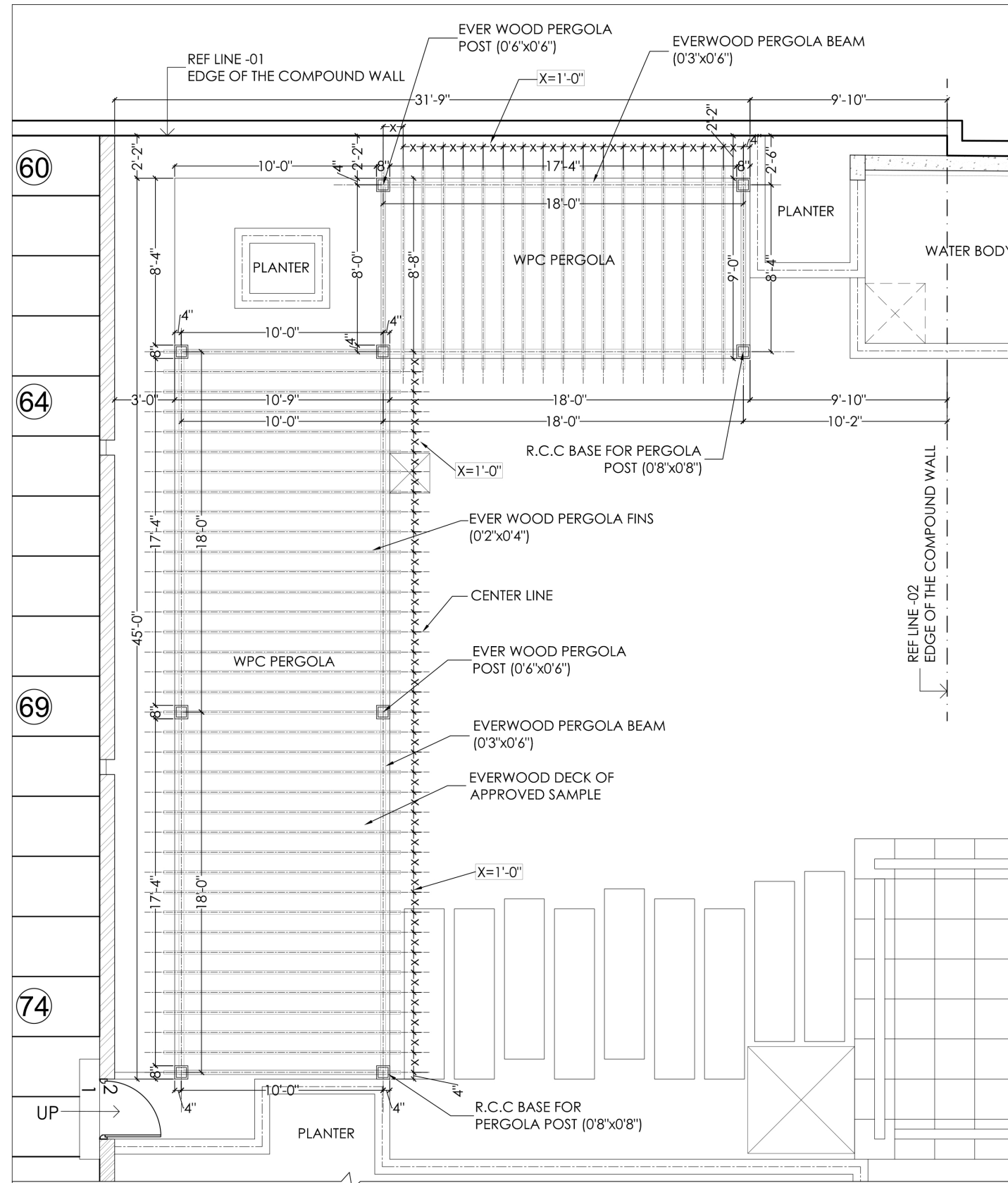
MILD STEEL TUBE ENTRANCE CANOPY
SURMOUNTED BY POLYCARBONATE
SHEET

HARDSCAPE AND SOFTSCAPE

SITE TRENCH LAYOUT







1 WPC PERGOLA DETAIL

1'-4'-0"

REV NO	DESCRIPTION

PROJECT : TIL HEADQUARTERS, CLUB HOUSE ROAD	ARCHITECT : Kharche & Associates design matters	DRAWING : REAR GARDEN PERGOLA DETAIL	DATE: 22.01.2020	SHEET NO : RG-LPP-03	GENERAL NOTES:
CLIENT : TIL	LANDSCAPE ARCHITECT : GENIUS LOCI LANDSCAPE ARCHITECT 93, HARRINGTON ROAD, CHELSEA, CHENNAI	PURPOSE : GOOD FOR CONSTRUCTION	SCALE: AS SHOWN	REVISION NO :	
			DRAWN BY: R.M	CHECKED BY: A.C	



EXCAVATION FOR TRENCHES



**PILE FOUNDATION FOR
LAMP POST**



SITE LEVELLING AFTER SAND FILLING



BACKYARD LANDSCAPE AREA

CONCLUSION

LESSONS LEARNT FROM THE PROJECT:

This professional training was a great opportunity for me to communicate with different workers / employees, to improve the practical skill, upgrade the theoretical knowledge in addition to the class, improve my leadership skill, team playing skill, etc. In the thirty days of internship at Kharche Associates .Overall it helps us to know more about the field of project management

This project gave me a complete idea of how interior works are been carried out in an office space

It Projected the importance of time cost & quality in project success

1. Initiation of site
2. Digital marking procedures
3. Site excavation
4. Communication mangement
5. Procurement management
6. logistics management
7. Rate analysis
8. Quality checks