

SCHOOL OF BUILDING AND ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

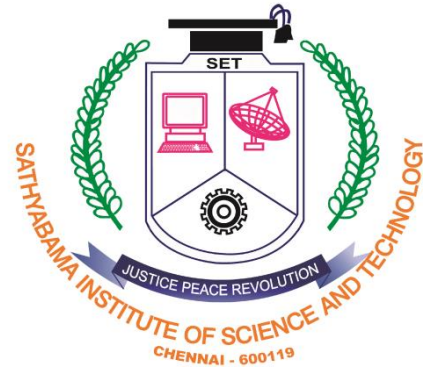
PROFESSIONAL TRAINING REPORT FORMAT GUIDELINES

Sequence of the **A3 Formats** to be bounded in the Practical Training Report

Title Page –	Refer Annexure - I
Bonafide Certificate –	Refer Annexure - II
Declaration –	Refer Annexure – III
Acknowledgements – Order of names to be acknowledged -	Refer Annexure – IV
Confirmation letter	Annexure – V
Joining Letter	Annexure – VI
Monthly Report (Xerox copy of 2 months in one A3 sheet)	Annexure – VII
Work diary	Refer Annexure – VIII
Consolidated Certificate (Experience)	Annexure – IX
Table of Contents with page numbers	Refer Annexure – X

Note: Bring the original copy of the following

- **Letter of consent to appoint you as a trainee from the HOD to the firm**
- **Confirmation letter, Joining Letter, Monthly Report, Consolidated Certificate**



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 2020 - JAN 2021**

Name of the Student : DIVYAA. Y.B

Semester : III

Reg No. : 39840007

Batch : 2019-2021



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SCHOOL OF BUILDING AND ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

M. Arch (Building management)

VIVA-VOCE EXAMINATION

This is to certify that the Professional Training (S84 INT) is the work of DIVYAA.Y.B (39840007) who had undergone training in SKCL Company and has been monitored by the continuous assessment during **Dec 2020 to Jan 2021.**

A handwritten signature in blue ink, appearing to read "Devyani", is written over a faint circular stamp.

Dr.Devyani Gangopadhyay
HOD AND DEAN

Submitted for Viva voce Examination held on 30.01.2021

Internal Examiner

External Examiner

(Annexure III)



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PHONE: 2450 1443/9941912481 INTERNET: www.sathyabama.ac.in

E-mail: archhod@sathyabama.ac.in



DECLARATION

I DIVYAA.Y.B (39840007) hereby declare that the Professional Training Report from 14th December, 2020 to 22nd January, 2021 done by me under the guidance of Project Manager Mr.SHABEER is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 22.1.2021

PLACE : CHENNAI

SIGNATURE OF CANDIDATE

For SRI KAUSALYA CONSTRUCTIONS LTD.

Authorised Signatory



(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 SHABEER** 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 Architect/Project Management Firm - **SKCL Central Square-1, C-30, Guindy Industrial Estate, SIDCO Industrial Estate,Guindy, Chennai, Tamil Nadu 600032.**

JOINING LETTER

(Annexure –VI)


SKCL
we build your ideas.

To:

The Head of the Department,
Sathyabama Institute of Science and Technology,
Rajiv Gandhi Salai, Jeppiar Nagar,
Chennai – 600119.

Sub: Confirmation letter for the practical training from our office for Ms. **Divya.Y.B**
Reg No: 39840007

Respected Sir,

With respect to the above, subject we would like to induct **Ms.Divya.Y.B** (REG No. **39840007**) M.Arch in Building Management, (Sathyabama Institute of Science and Technology) as a Project Management trainee for a period of 30 days from December 14th 2020 to January 22nd 2021.

Thanking you,
For **SRI KAUSALYA CONSTRUCTIONS LTD.**


Authorised Signatory



Place: Chennai

Date: 23.01.2021

SRI KAUSALYA CONSTRUCTIONS LIMITED
PROPERTY DEVELOPERS

Off : No.4, Jayalakshmiapuram, First Street, Nungambakkam, Chennai - 600 034, India.
Ph : 4211 3810 / 4211 3820 Fax : 0091-44-2821 2494, Web : www.skcl.co.in En
CIN : U45202TN2003PLCO51732

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MONTHLY REPORT

(Annexure –VII)



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
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PHONE: 2450 1443/9941912481 INTERNET: www.sathyabama.ac.in
E-mail: archhod@sathyabama.ac.in



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 : SKCL
2. Address & Contact Number : C-30, Guindy Industrial Estate, Guindy, Chennai-32
3. Name of the student : Divyaa.Y.B
4. Duration : From 14.12.2020 To 31.12.2020
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	Excellent				
Skillsets related to project management	Excellent				
Design Management		Good			
Understanding the Triple Constraints	Excellent				
Observation during Site Visits	Excellent				
Understanding of construction details	Excellent				
Understanding of Construction sequences		Good			
Site Supervision / Discussion with clients		Good			
Adherence to Time schedule	Excellent				
Quantitative aptitude		Good			
Documentation skills		Good			
Coordination with other consultants	Excellent				

Overall Grading*

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

7. Any other Remarks : _____

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 : SKCL
2. Address & Contact Number : C-30, Guindy Industrial Estate, Guindy, Chennai-32
3. Name of the student : Divya.Y.B
4. Duration : From 02.01.2021 To 22.01.2021
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	Excellent				
Skillsets related to project management	Excellent				
Design Management		Good			
Understanding the Triple Constraints	Excellent				
Observation during Site Visits	Excellent				
Understanding of construction details	Excellent				
Understanding of Construction sequences		Good			
Site Supervision / Discussion with clients		Good			
Adherence to Time schedule	Excellent				
Quantitative aptitude		Good			
Documentation skills		Good			
Coordination with other consultants	Excellent				

Overall Grading*

(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)

For SRI KAUSALYA CONSTRUCTIONS LTD.

Authorised Signatory



WORK DIARY

(Annexure –VIII)

DAY	PROJECT NAME	WORK DONE	DAY	PROJECT NAME	WORK DONE
14.12.2020	SKCL Excellence	FLOOR PLAN STUDY	31.01.2020	SKCL Excellence	FLOOR PLAN UPDATE
15.12.2020	SKCL Excellence	FLOOR PLAN STUDY	02.01.2021	SKCL Excellence	FLOOR PLAN UPDATE
16.12.2020	SKCL Excellence	SITE VISIT - SUBSTRUCTURE COLUMN CONCRETING	04.01.2021	SKCL Excellence	CHANGE IN SHCEDULE
17.12.2020	SKCL Excellence	SITE VISIT - SUBSTRUCTURE COLUMN CONCRETING	05.01.2021	SKCL Excellence	CHANGE IN SHCEDULE
18.12.2020	SKCL Excellence	SITE VISIT – COLUMN QUALITY CHECK	06.01.2021	SKCL Excellence	EQUIPMENT STUDY
19.12.2020	SKCL Excellence	FLOOR PLAN UPDATE	07.01.2021	SKCL Excellence	LABOUR DATA
21.12.2020	SKCL Excellence	FACILITY MANAGEMENT	08.01.2021	SKCL Excellence	BARBENDING
22.01.2020	SKCL Excellence	FACILITY MANAGEMENT	09.01.2021	SKCL Central Square - 1	SITE VISIT
23.01.2020	SKCL Excellence	FLOOR PLAN UPDATE	11.01.2021	SKCL Central Square - 2	SITE VISIT
24.01.2020	SKCL Excellence	FLOOR PLAN UPDATE	12.01.2021	SKCL Central Square - 2	SITE VISIT
26.01.2020	SKCL Excellence	BACKFILL CHECKLIST FORMATTING	13.01.2021	SKCL Excellence	POUR CARD CHECKLIST FORMATTING
28.01.2020	SKCL Excellence	RCC CHECKLIST FORMATTING	19.01.2021	SKCL Excellence	PCC CHEKCLIST FORMATTING
29.01.2020	SKCL Excellence	SITE VISIT	20.01.2021	SKCL Excellence	SCHEDULE UPDATE
30.01.2020	SKCL Excellence	SITE VISIT	21.01.2021	SKCL Excellence	SITE VISIT

Chief Architect Signature:

Office seal:

Consolidated Certificate (Experience)

Annexure – IX


SKCL
we build your ideas

To:

The Head of the Department,
Sathyabama Institute of Science and Technology,
Rajiv Gandhi Salai, Jeppiar Nagar,
Chennai – 600119.

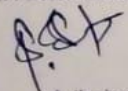
Respected Sir,

This is to certify that **Ms.Divya.Y.B** (REG No. **39840007**) has undergone Project Management Student Professional Training with us from 14.12.2020 to 22.01.2021 and has successfully completed 30 days period training.

During her training as a trainee with us, we found her diligent, intelligent and hardworking. We wish her all the best & success for her future endeavors.

She has been relieved from all her services as per the rules of the company.

Thanking you,
For **SRI KAUSALYA CONSTRUCTIONS LTD.**


Authorised Signatory

Place: Chennai

Date: 23.01.2021



SRI KAUSALYA CONSTRUCTIONS LIMITED
PROPERTY DEVELOPERS

Off : No.4, Jayalakshmiapuram, First Street, Nungambakkam, Chennai - 600 034, India.
Ph : 4211 3810 / 4211 3820 Fax : 0091-44-2821 2494, Web : www.skcl.co.in Email : marketing@skcl.co.in
CIN : U45202TN2003PLCO51732

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TABLE OF CONTENTS

Annexure - X

CHAPTER NO	TITLE
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1. INTRODUCTION

- Objectives of Professional Training
- Reasons for choosing the organization
- About the organization
- Roles and responsibilities of the organization in the project

2. PROJECT DETAILS

- Description about the project
- Scope of work in the project
- Company organization chart
- Floor plans
- Master schedule
- List of activities involved in the project

3. CONCLUSION

- Lessons learnt from the project
- Conclusion

INTRODUCTION

Objectives of professional training:

- Objective of the training is to understand the field works, opportunities to experience the essential practical tasks emphasized in their professional study and also to provide opportunities to apply their acquired skills and knowledge in the working life

Reasons for choosing the organization:

- SKCL Company is one of the leading organizations in Chennai dealing IT Building Projects. The firm deals with different contractors for architectural plans, civil works, project management, Structural, Electrical and Plumbing works in the respected projects.
- In this organization they practice both Architecture and project management. I would like to explore both so that handling of the entire project will be easy and it will be good chance to understand how the project is executed

About the organization:

- The first ever IT Park named Satyam Centre was constructed by SKCL
- Uniqueness of this project was the 'Built to suit' model of constructing and delivering a building of about 150,000 sq. ft. exactly in six months a record that has not been come close to even today.
- SKCL has entered into a Joint Venture with Indo Space, a Company promoted by the world renowned Real Term of USA & Everstone Capital of Singapore to develop an industrial Park at Oragadam, the Auto Hub of Greater Chennai. Today, this is a functional and well patronized project.

Roles and responsibilities of the organization in the project:

- The organization takes over the land and allots the contractors for architectural works, civil works, project management works and structural works.
- The organization manages all its buildings to ensure maximum satisfaction to all the clients through its subsidiary called SKCL PMS. It has a dedicated team of professionals to take care of every need of the clients and the testimonials say it all. As part of facility management, SKCL PMS provides the following services.
 1. House Keeping
 2. Security Services
 3. Pest Control
 4. Waste Management
 5. Mechanical and Electrical Services
 6. HVAC
 7. Water Management and Plumbing
 8. Safety Management
- I was working as an architect and also the facility manager in the firm. I was trained also about facility Management

PROJECT DETAILS

SKCL EXCELLENCE, GUINDY, CHENNAI – 32

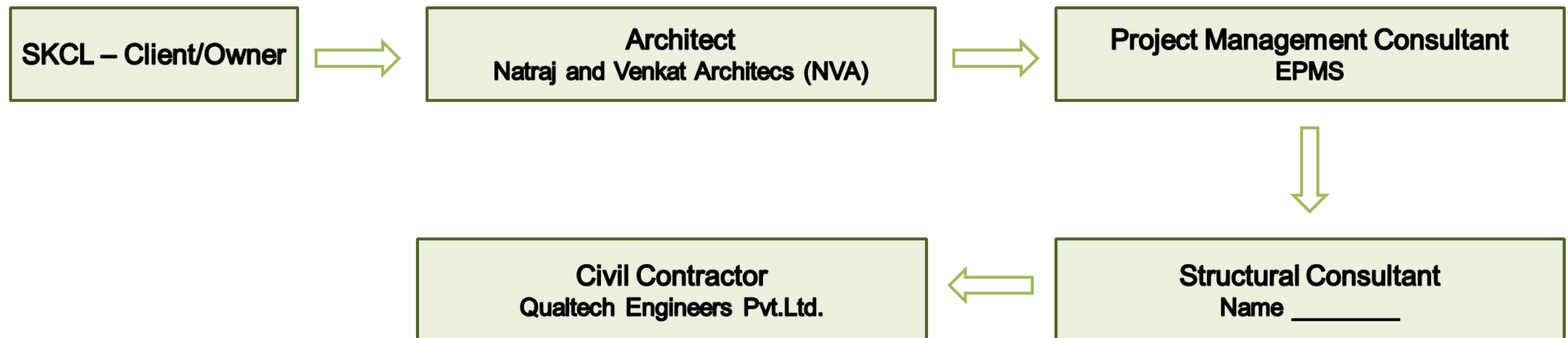
Project Description:

- Excellence is an under construction project developed by SKCL in Secondary Business District of Guindy. The project is well equipped with modern amenities, ample in house parking and has an excellent connectivity with all public and private transportation services. Total built-up area is 75,714 sq.ft. across 6 floors, typical floor area of 12,619 sq.ft. with one level of basement and one stilt parking. Since its located in Guindy Industrial Estate, it has a good access to various IT Parks, Bus Stops, Metro Stations, Railway Stations and Hospitals. Also is located close to the Chennai International Airport and some renowned hotels like 'Hilton' and 'ITC Grand Chola' are also located nearby.

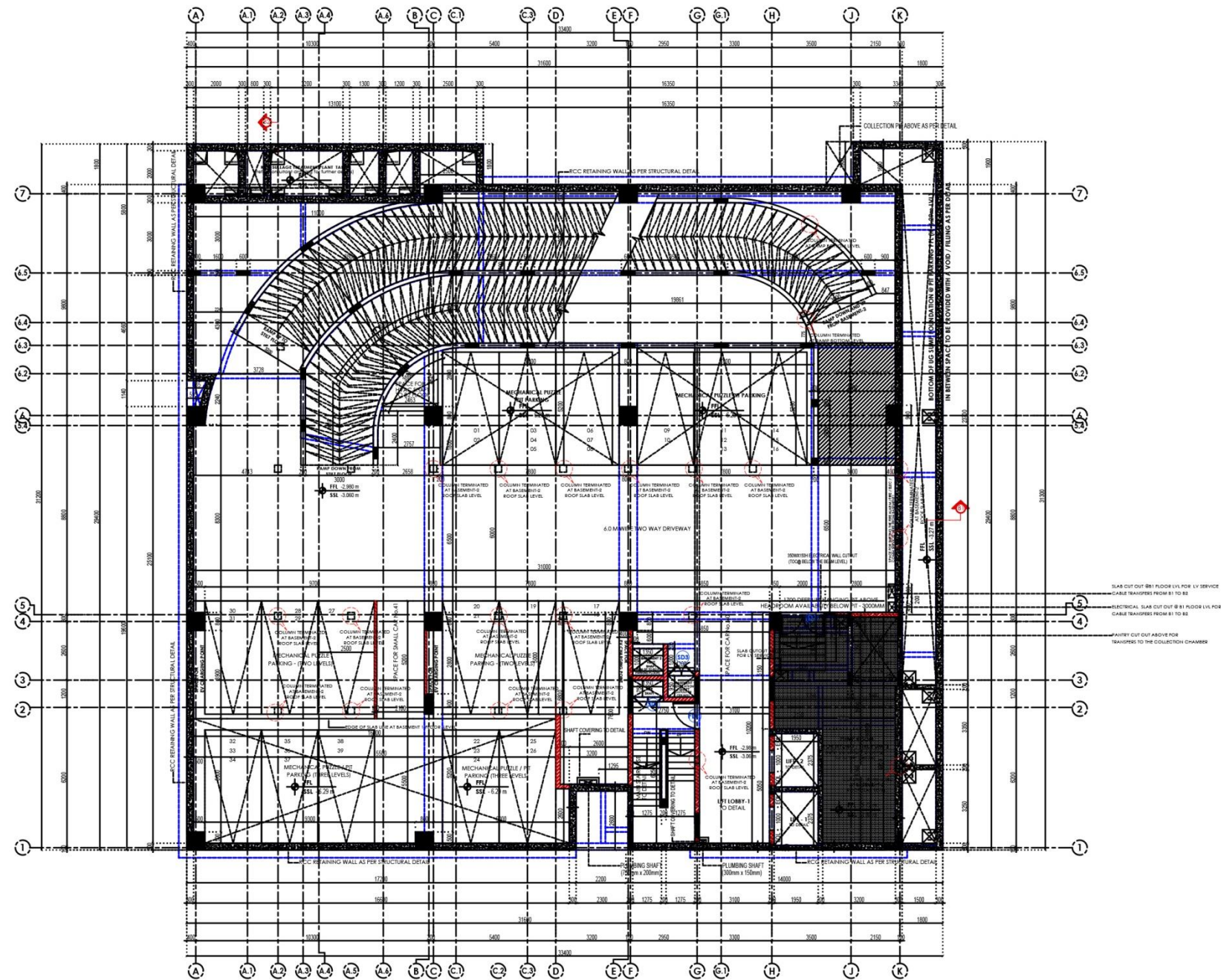
Scope of work:

- Study on floor plans before entering the site
- Preparing checklist for finishing works
- Observation of quality check done for the finished works
- Observation of the equipments used at site
- Observation of Labour productivity

Company organization chart:



Floor Plans:



MASONRY WORKS LEGEND:	
	200 / 100mm THK. BLOCKWORK
	RC WALLS AS PER STRUC. DETAIL

Revision			Schedule Of Joinery			
Sl. No.	Revision	Date/Initials	Tag	Description	Size	Qty
01	STP WALLS / MANHOLE / PUMP PITS LOCATIONS	VS	01	DOOR	2000 X 2100MM	05
02	RE-ARRANGED AS PER STRUC. REQUIREMENTS	11.09.2020	FD1	PURE DOOR	1200 X 2100MM	05
03	STP / PUMPROOM FLOOR LVLS REVISED. B1, B2 &	VS	03	BASEMENT VENTILATION SHAFT	1350 X 1800MM	05
04	GROUND FLOOR LVLS AS PER SITE CONDITIONS	10.10.2020	04	BASEMENT VENTILATION SHAFT	1350 X 1800MM	05
05	R3 RAMP / STP / PUMPROOM & DRIVEWAY SLAB	VS	05	COMMUNICATION / PAINTRY / RC SHAFT	800 X 1800MM	05
06	LEVELS REVISED AS PER CLIENT REQUIREMENTS	23.11.2020	06	ELECTRICAL SHAFT	750 X 1800MM	05

Electrical Consultants

North Point

Architects

Client : SKCL

Project : EXCELLENCE

Type : IT / IES

Address : Guindy, Chennai.

Structural Consultants

West

East

South

NATARAJ & VENKAT ARCHITECTS

18, 3rd SEAWARD RD, VALMIKI NAGAR

THIRUVANMIYUR, CHENNAI 600041

T / + 91 44 2457 2457

Job Title

Drawing Title

BASEMENT-1 FLOOR PLAN

WORKING DRAWING

Drawn: Rajkumar

Checked: VS

Date: 12-08-2020

Job No: 2019-1423

Sheet No: 05

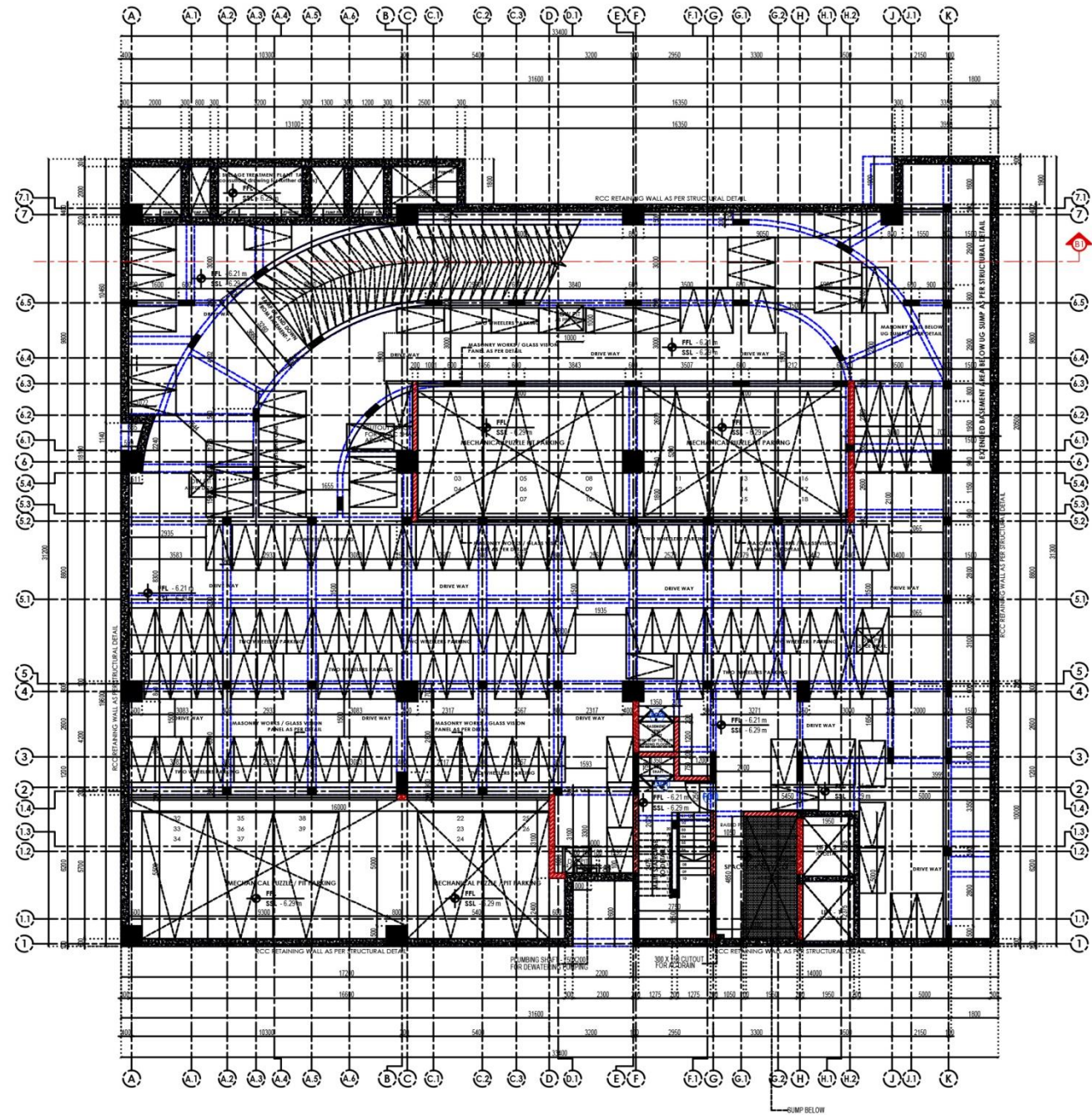
Scale: 1:100

Revision: R3

Drawing No: A1-B1

General notes : All Dimensions & levels are in millimeters unless stated otherwise | This drawing shall be read in conjunction with all other relevant drawings | This drawing shall be read and not measured | All mentioned level are finished floor levels only unless otherwise specified | Figured dimensions to be observed only, Designer's office to be notified immediately of any discrepancies. ■ GOOD FOR CONSTRUCTION □ TENDER □ PRELIMINARY

BASEMENT 1 FLOOR PLAN

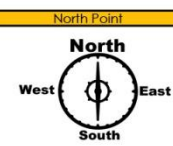


MASONRY WORKS LEGEND:	
	200 / 100mm THK. BLOCKWORK
	RC WALLS AS PER STRUC. DETAIL

154 TWO WHEELER PARKING PROVIDED

Revision				Schedule Of Joinery			
Rev	Revision	Date/Initia		Tag	Description	Size	
B1	STP WALLS / MANHOLE / PUMP PITS LOCATIONS	VS		D2	DOOR	1000 X 2100MM	
B2	RE-ARRANGED AS PER STRUC. REQUIREMENTS	11.09.2020		S01	FIRE SHAF	1350 X 1800MM	
B3	STP / PUMP ROOM FLOOR LVS REVISED. BY RD 4	VS		S02	BASEMENT VENTILATION SHAF	1350 X 1800MM	
B4	GROUND FLOOR LVS AS PER SITE CONDITIONS	16.10.2020		S03	BASEMENT VENTILATION SHAF	1350 X 1800MM	
B5	BASEMENT USEF. RAMP & DRIVEWAY SLAB	VS		S04	COMMUNICATION / PANTRY / AC SHAF	800 X 1800MM	
B6	LEVELS REVISED AS PER CLIENT REQUIREMENTS	23.11.2020		S05	ELECTRICAL SHAF	750 X 1800MM	

Electrical Consultants
North Point
Structural Consultants



Architects
NATARAJ & VENKAT ARCHITECTS
18, 3rd SEAWARD RD, VALANKI NAGAR
THIRUVANMIYUR, CHENNAI 600041
T / + 91 44 2457 2457

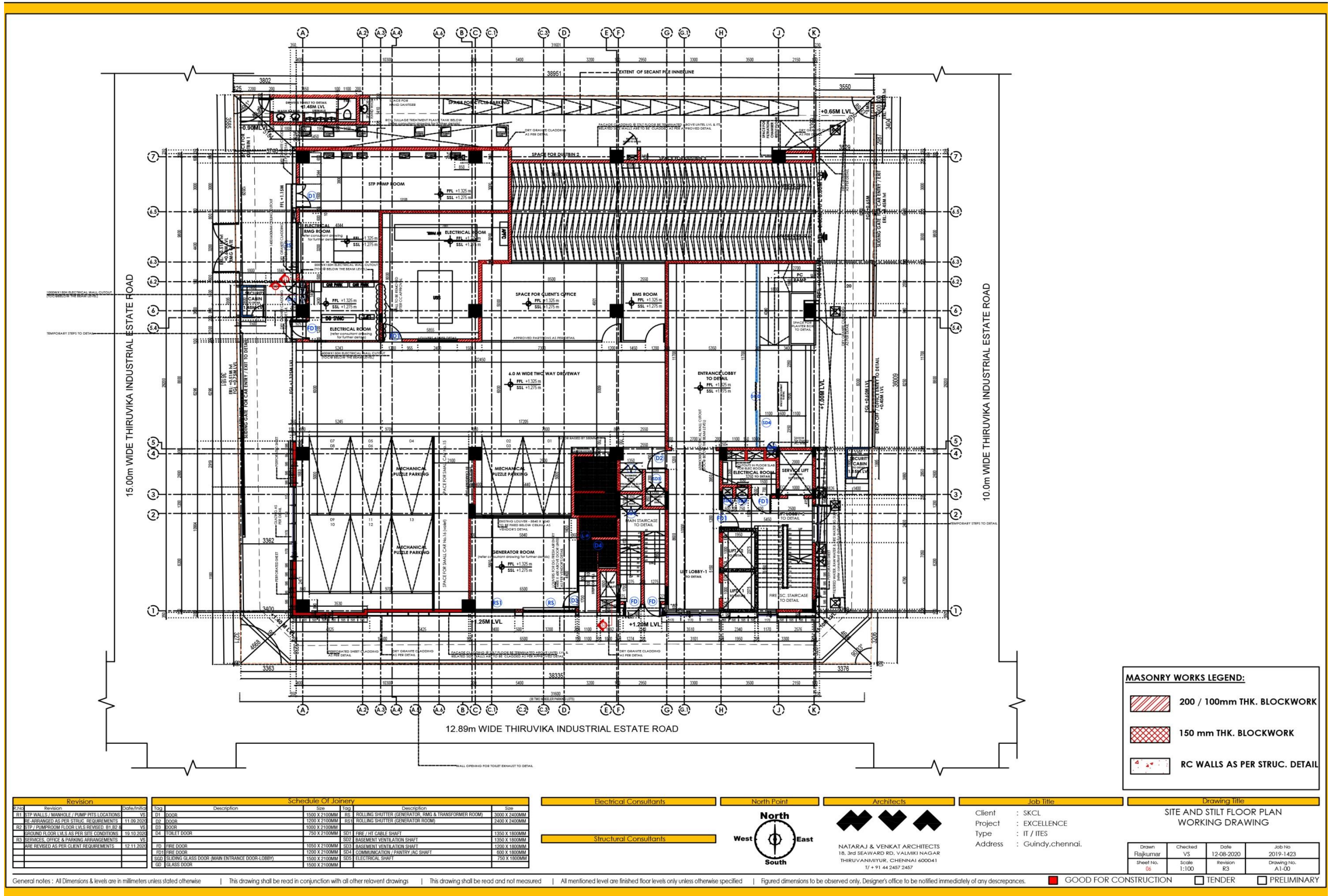
Job Title
Client : SKCL
Project : EXCELLENCE
Type : IT / IITES
Address : Guindy, Chennai.

Drawing Title
BASEMENT-2 FLOOR PLAN

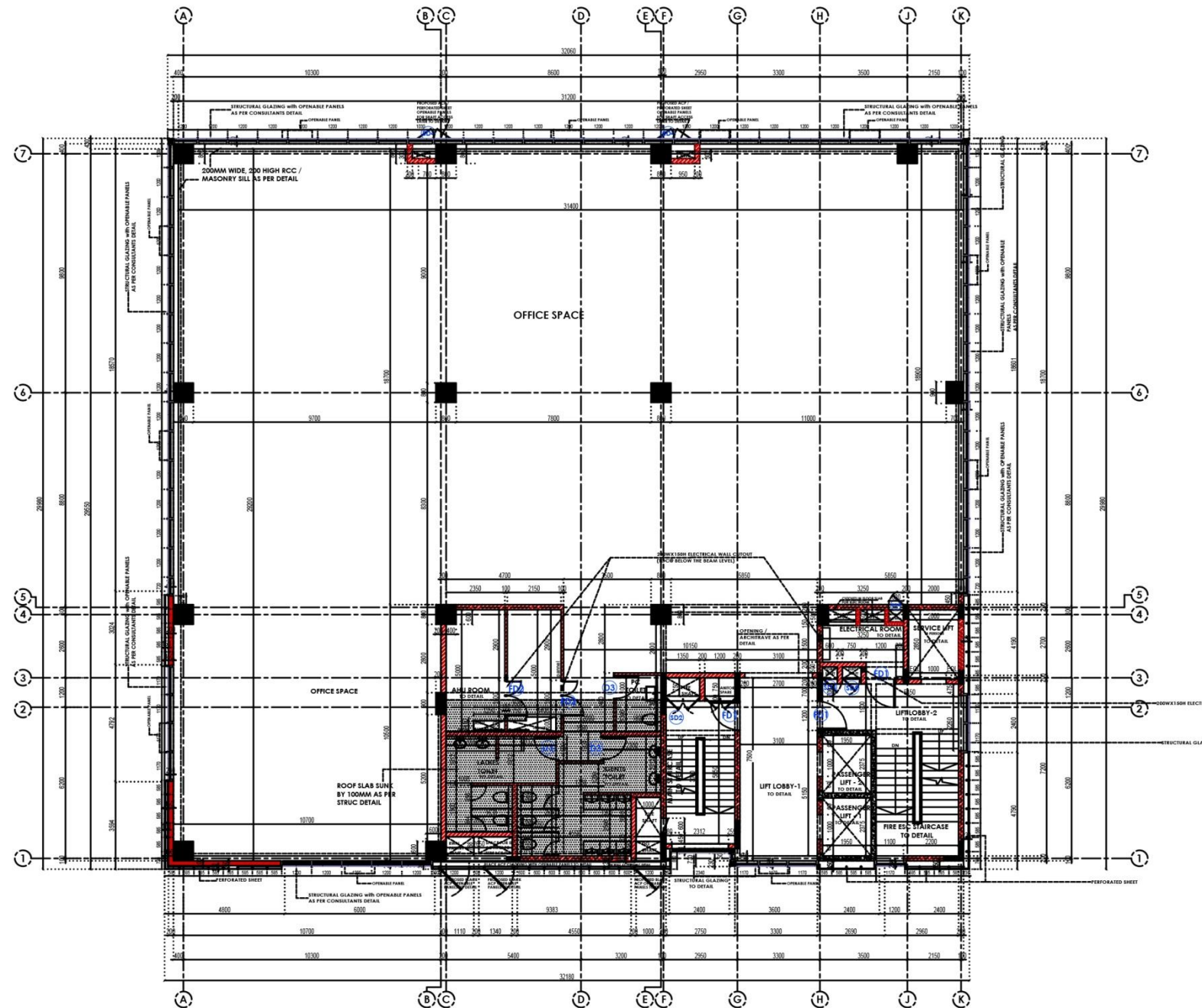
Drawn Rajkumar	Checked VS	Date 12-08-2020	Job No 2019-1423
Sheet No. 04	Scale 1:100	Revision R3	Drawing No. A1-B2

General notes : All Dimensions & levels are in millimeters unless stated otherwise | This drawing shall be read in conjunction with all other relevant drawings | This drawing shall be read and not measured | All mentioned level are finished floor levels only unless otherwise specified | Figured dimensions to be observed only. Designer's office to be notified immediately of any discrepancies. ☒ GOOD FOR CONSTRUCTION ☐ TENDER ☐ PRELIMINARY

BASEMENT2 FLOOR PLAN



TYPICAL FLOOR PLAN (1ST, 2ND, 3RD & 4TH)



TYPICAL (2ND, 3RD & 4TH) FLOOR PLAN

MASONRY WORKS LEGEND:

- 200 / 100mm THK. BLOCKWORK
- 150 mm THK. BLOCKWORK
- RC WALLS AS PER STRUC. DETAIL

Revision				Schedule Of Joinery			
R.No	Revision	Date/Initia		Tag	Description	Size	Tag
R1	FACADE PANEL ARRANGEMENTS & FLOOR L.V.S	VS/ 20.10.23		D3	DOOR	1000 X 2100MM	S01
R2	FIRST FLOOR USE CHANGED TO OFFICE PURPOSES	VS/ 20.10.23					
	AS PER CLIENT REQUIREMENTS	VS/ 20.10.23		R01	FIRE DOOR	1200 X 2100MM	S02
				R02	FIRE DOOR	1500 X 2100MM	S03

Tag	Description	Size	Tag	Description	Size
S01	FIRE / HT CABLE SHAFT	1350 X 1800MM	S02	BASEMENT VENTILATION SHAFT	1350 X 1800MM
S03	BASEMENT VENTILATION SHAFT	1200 X 1800MM	S04	COMMUNICATION / PANTRY / AC SHAFT	800 X 1800MM
S05	ELECTRICAL SHAFT	750 X 1800MM			

Electrical Consultants

North Point

Architects

Job title

Structural Consultants

West

North

East

South

NATARAJ & VENKAT ARCHITECTS
18, 3RD SEAWARD RD, VALMIKI NAGAR
THIRUVANMIYUR, CHENNAI 600041
T/ + 91 44 2457 2457

Client : SKCL

Project : EXCELLENCE

Type : IT / ITES

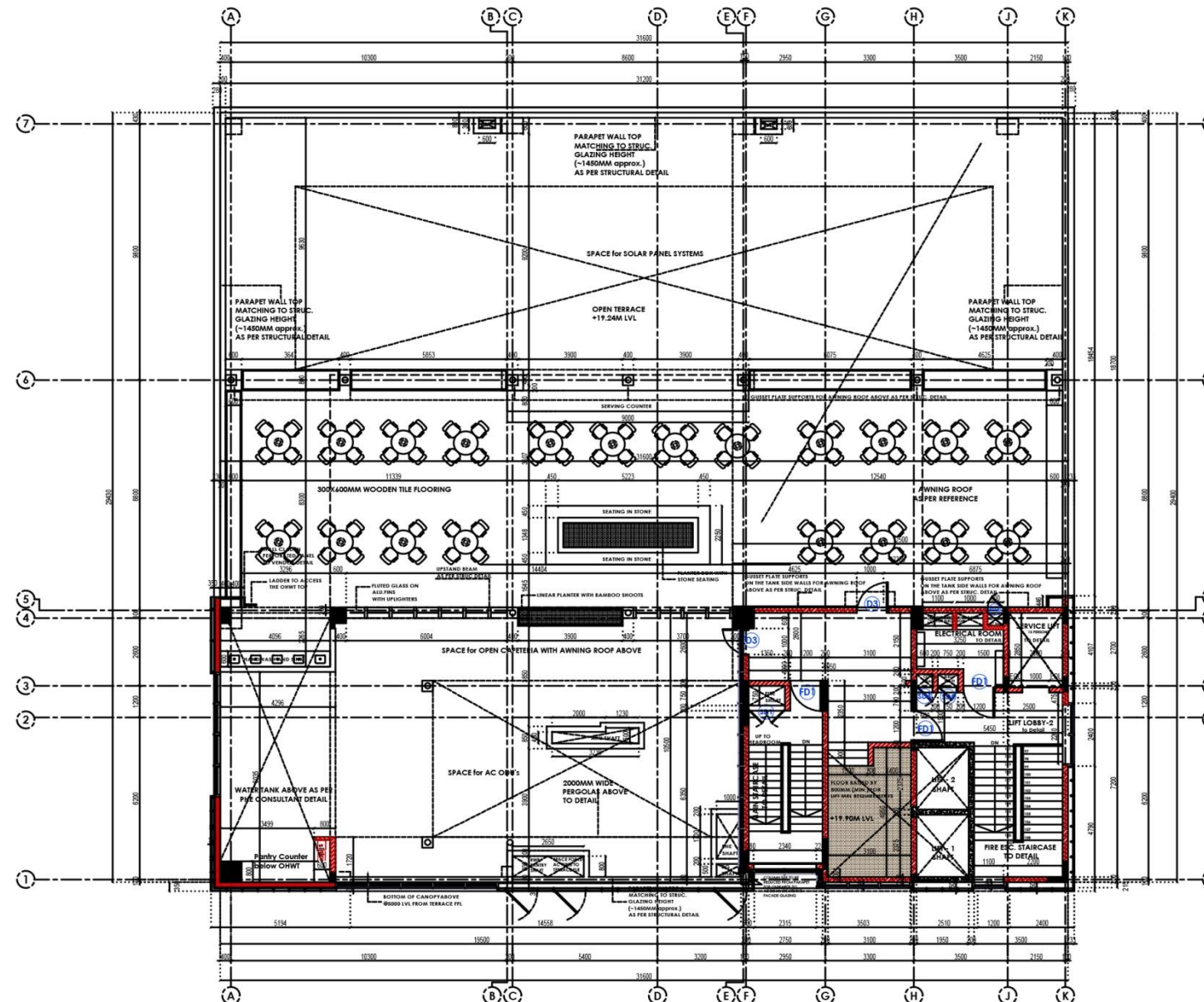
Address : Guindy, Chennai.

Drawing title

TYPICAL FLOOR PLAN
(FIRST, SECOND, THIRD & FOURTH)
WORKING DRAWING

Drawn Rajkumar	Checked VS	Date 05-08-2020	Job No 2019-1423
Sheet No. 66	Scale 1:100	Revision R2	Drawing No. A1-02

General notes : All Dimensions & levels are in millimeters unless stated otherwise | This drawing shall be read in conjunction with all other relevant drawings | This drawing shall be read and not measured | All mentioned level are finished floor levels only unless otherwise specified | Figured dimensions to be observed only, Designer's office to be notified immediately of any discrepancies. ■ GOOD FOR CONSTRUCTION □ TENDER □ PRELIMINARY

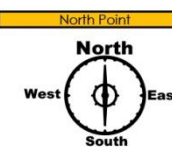


TERRACE FLOOR PLAN

MASONRY WORKS LEGEND:	
	200 / 100mm THK. BLOCKWORK
	150 mm THK. BLOCKWORK
	RC WALLS AS PER STRUC. DETAIL

Revision			Schedule Of Joinery				
Rev	Revision	Date/Initia	Tag	Description	Size	Tag	Description
01	DOOR		S01	FIRE / HT CABLE SHAFT	1350 X 1800MM		
02	FIRE DOOR		S02	BASEMENT VENTILATION SHAFT	1350 X 1800MM		
03	W. WINDOW		S03	BASEMENT VENTILATION SHAFT	1200 X 1800MM		
			S04	COMMUNICATION / PANTRY AC SHAFT	600 X 1800MM		
			S05	ELECTRICAL SHAFT	750 X 1800MM		

Electrical Consultants
Structural Consultants



Architects

NATARAJ & VENKAT ARCHITECTS
18, 3rd SEAWARD RD, VALMIKI NAGAR
THIRUVANMIYUR, CHENNAI 600041
T / + 91 44 2457 2457

Job Title

Client : SKCL
Project : EXCELLENCE
Type : IT / IES
Address : Guindy, Chennai.

Drawing Title			
TERRACE FLOOR PLAN WORKING DRAWING			
Drawn Rajkumar	Checked VS	Date 05-08-2020	Job No 2019-1423
Sheet No. 01	Scale 1:100	Revision R0	Drawing No. A1-1F

General notes : All Dimensions & levels are in millimeters unless stated otherwise | This drawing shall be read in conjunction with all other relevant drawings | This drawing shall be read and not measured | All mentioned level are finished floor levels only unless otherwise specified | Figured dimensions to be observed only. Designer's office to be notified immediately of any discrepancies. ■ GOOD FOR CONSTRUCTION □ TENDER □ PRELIMINARY

Terrace floor plan:

	Qualtech Engineers Pvt Ltd			
	Construction of “Excellence” Office Building at Guindy, Chennai			
	for M/s. Sri Kausalya Constructions Ltd.			
	Project Completion - 30.10.2021			04.01.2021
	<u>Completion Schedule</u>			
Sl.No	Description	Duration	Date of Start	Date of Completion
A)	<u>Sub Structure upto Basement</u>	Completed		
B)	<u>Super Structure (42 Days x 1 Slab + 30Days x 5 Slabs)</u>	209	08/01/2021	04/08/2021
	<u>Basement floor II roof slab</u>			08/01/2021
	<u>Basement floor I roof slab</u>	42	09/01/2021	19/02/2021
	Column/Shear Walls / Basement RCC Walls	15	09/01/2021	23/01/2021
	Water proofing of Walls	3	24/01/2021	26/01/2021
	Back filling	6	27/01/2021	01/02/2021
	Roof slab & Ramp Slab shuttering	20	24/01/2021	12/02/2021
	Roof slab Reinforcement	7	11/02/2021	17/02/2021
	Electrical Conduits laying / PT Work	3	16/02/2021	18/02/2021
	Roof slab concrete	1	19/02/2021	19/02/2021
	<u>Ground floor roof slab</u>	30	20/02/2021	21/03/2021
	Column concrete	8	20/02/2021	27/02/2021
	Roof slab shuttering	15	27/02/2021	13/03/2021
	Roof slab Reinforcement	7	13/03/2021	19/03/2021
	Electrical Conduits laying / PT Work	3	18/03/2021	20/03/2021
	Roof slab concrete	1	21/03/2021	21/03/2021

Sl.No	Description	Duration	Date of Start	Date of Completion
	<u>First floor roof slab</u>	30	22/03/2021	20/04/2021
	Column concrete	8	22/03/2021	29/03/2021
	Roof slab shuttering	15	29/03/2021	12/04/2021
	Roof slab Reinforcement	7	12/04/2021	18/04/2021
	Electrical Conduits laying / PT Work	3	17/04/2021	19/04/2021
	Roof slab concrete	1	20/04/2021	20/04/2021
	<u>Second floor roof slab</u>	30	21/04/2021	20/05/2021
	Column concrete	8	21/04/2021	28/04/2021
	Roof slab shuttering	15	28/04/2021	12/05/2021
	Roof slab Reinforcement	7	12/05/2021	18/05/2021
	Electrical Conduits laying / PT Work	3	17/05/2021	19/05/2021
	Roof slab concrete	1	20/05/2021	20/05/2021
	<u>Third floor roof slab</u>	30	21/05/2021	19/06/2021
	Column concrete	8	21/05/2021	28/05/2021
	Roof slab shuttering	15	28/05/2021	11/06/2021
	Roof slab Reinforcement	7	11/06/2021	17/06/2021
	Electrical Conduits laying / PT Work	3	16/06/2021	18/06/2021
	Roof slab concrete	1	19/06/2021	19/06/2021
	<u>Fourth floor roof slab</u>	30	20/06/2021	19/07/2021
	Column concrete	8	20/06/2021	27/06/2021
	Roof slab shuttering	15	27/06/2021	11/07/2021
	Roof slab Reinforcement	7	11/07/2021	17/07/2021
	Electrical Conduits laying / PT Work	3	16/07/2021	18/07/2021
	Roof slab concrete	1	19/07/2021	19/07/2021
	<u>Terrace structure</u>	16	20/07/2021	04/08/2021
	<u>Lift & Stair Headroom roof slab</u>			
	Column concrete	3	20/07/2021	22/07/2021
	Roof slab shuttering	5	23/07/2021	27/07/2021
	Roof slab Reinforcement	3	28/07/2021	30/07/2021
	Roof slab concrete	1	31/07/2021	31/07/2021
	<u>OHT</u>			
	Base slab shuttering	2	23/07/2021	24/07/2021
	Base slab reinforcement	1	25/07/2021	25/07/2021
	Base slab concrete	1	26/07/2021	26/07/2021
	Walls reinforcement	2	27/07/2021	28/07/2021
	Walls shuttering	2	29/07/2021	30/07/2021
	Walls concrete	1	31/07/2021	31/07/2021
	Cover slab shuttering	2	01/08/2021	02/08/2021
	Cover slab reinforcement	2	02/08/2021	03/08/2021
	Cover slab concrete	1	04/08/2021	04/08/2021

Sl.No	Description	Duration	Date of Start	Date of Completion
C)	FINISHING WORKS	195	06/03/2021	16/09/2021
	Basement floor II	45	06/03/2021	19/04/2021
	Block Work Upto Lintel level	15	06/03/2021	20/03/2021
	Lintel Beam reinforcement / Shuttering	2	21/03/2021	22/03/2021
	Lintel Beam Concrete	1	23/03/2021	23/03/2021
	Blockwork above lintel level	4	24/03/2021	27/03/2021
	Door Frame Fixing	2	04/04/2021	05/04/2021
	Ceiling & Inner Plastering	15	28/03/2021	11/04/2021
	Flooring & Toilet Finishing	15	12/04/2021	26/04/2021
	Door Shutters, Aluminium Joinery Fixing	1	12/04/2021	12/04/2021
	Painting	8	12/04/2021	19/04/2021
	Basement floor II	45	05/04/2021	19/05/2021
	Block Work Upto Lintel level	15	05/04/2021	19/04/2021
	Lintel Beam reinforcement / Shuttering	2	20/04/2021	21/04/2021
	Lintel Beam Concrete	1	22/04/2021	22/04/2021
	Blockwork above lintel level	4	23/04/2021	26/04/2021
	Door Frame Fixing	2	04/05/2021	05/05/2021
	Ceiling & Inner Plastering	15	27/04/2021	11/05/2021
	Flooring & Toilet Finishing	15	12/05/2021	26/05/2021
	Door Shutters, Aluminium Joinery Fixing	1	12/05/2021	12/05/2021
	Painting	8	12/05/2021	19/05/2021
	Ground floor	45	05/05/2021	18/06/2021
	Block Work Upto Lintel level	15	05/05/2021	19/05/2021
	Lintel Beam reinforcement / Shuttering	2	20/05/2021	21/05/2021
	Lintel Beam Concrete	1	22/05/2021	22/05/2021
	Blockwork above lintel level	4	23/05/2021	26/05/2021
	Door Frame Fixing	2	03/06/2021	04/06/2021
	Ceiling & Inner Plastering	15	27/05/2021	10/06/2021
	Flooring	15	11/06/2021	25/06/2021
	Door Shutters, Aluminium Joinery Fixing	1	11/06/2021	11/06/2021
	Painting	8	11/06/2021	18/06/2021
	First floor	45	04/06/2021	18/07/2021
	Block Work Upto Lintel level	15	04/06/2021	18/06/2021
	Lintel Beam reinforcement / Shuttering	2	19/06/2021	20/06/2021
	Lintel Beam Concrete	1	21/06/2021	21/06/2021
	Blockwork above lintel level	4	22/06/2021	25/06/2021
	Door Frame Fixing	2	03/07/2021	04/07/2021
	Ceiling & Inner Plastering	15	26/06/2021	10/07/2021
	Toilet Tiling & Flooring	15	11/07/2021	25/07/2021
	Door Shutters, Aluminium Joinery Fixing	1	11/07/2021	11/07/2021
	Painting	8	11/07/2021	18/07/2021

Sl.No	Description	Duration	Date of Start	Date of Completion
	Second floor	45	04/07/2021	17/08/2021
	Block Work Upto Lintel level	15	04/07/2021	18/07/2021
	Lintel Beam reinforcement / Shuttering	2	19/07/2021	20/07/2021
	Lintel Beam Concrete	1	21/07/2021	21/07/2021
	Blockwork above lintel level	4	22/07/2021	25/07/2021
	Door Frame Fixing	2	02/08/2021	03/08/2021
	Ceiling & Inner Plastering	15	26/07/2021	09/08/2021
	Toilet Tiling & Flooring	15	10/08/2021	24/08/2021
	Door Shutters, Aluminium Joinery Fixing	1	10/08/2021	10/08/2021
	Painting	8	10/08/2021	17/08/2021
	Third floor	45	03/08/2021	16/09/2021
	Block Work Upto Lintel level	15	03/08/2021	17/08/2021
	Lintel Beam reinforcement / Shuttering	2	18/08/2021	19/08/2021
	Lintel Beam Concrete	1	20/08/2021	20/08/2021
	Blockwork above lintel level	4	21/08/2021	24/08/2021
	Door Frame Fixing	2	01/09/2021	02/09/2021
	Ceiling & Inner Plastering	15	25/08/2021	08/09/2021
	Toilet Tiling & Flooring	15	09/09/2021	23/09/2021
	Door Shutters, Aluminium Joinery Fixing	1	09/09/2021	09/09/2021
	Painting	8	09/09/2021	16/09/2021
	Fourth floor	45	03/08/2021	16/09/2021
	Block Work Upto Lintel level	15	03/08/2021	17/08/2021
	Lintel Beam reinforcement / Shuttering	2	18/08/2021	19/08/2021
	Lintel Beam Concrete	1	20/08/2021	20/08/2021
	Blockwork above lintel level	4	21/08/2021	24/08/2021
	Door Frame Fixing	2	01/09/2021	02/09/2021
	Ceiling & Inner Plastering	15	25/08/2021	08/09/2021
	Toilet Tiling & Flooring	15	09/09/2021	23/09/2021
	Door Shutters, Aluminium Joinery Fixing	1	09/09/2021	09/09/2021
	Painting	8	09/09/2021	16/09/2021
	Terrace Block Work, LMR & SHR	18	01/08/2021	18/08/2021
	Block Work Upto Lintel level	5	01/08/2021	05/08/2021
	Lintel Beam Shuttering/reinforcement	1	06/08/2021	06/08/2021
	Lintel Beam Concrete	1	07/08/2021	07/08/2021
	Blockwork above lintel level	2	08/08/2021	09/08/2021
	Parapet wall masonry	10	01/08/2021	10/08/2021
	Water Proofing & Pressed clay tiles	15	04/08/2021	18/08/2021
D)	External Works	60	23/08/2021	21/10/2021
	External Plastering & Painting	60	23/08/2021	21/10/2021
	Compound Wall Works	30	23/08/2021	21/09/2021
	External Works & Paver Block laying	45	01/09/2021	15/10/2021
	Internal Final Painting	15	19/09/2021	03/10/2021
E)	Other works	42	19/09/2021	30/10/2021

Sl.No	Description	Duration	Date of Start	Date of Completion
	Miscellaneous works like shaft platform etc	25	19/09/2021	13/10/2021
	Final Cleaning & Handing over	15	16/10/2021	30/10/2021

Checklist Formatting:

1. Pour Card Checklist

Pre-pour checklists are very crucial for proper concrete placement. There should be an authentic verification and checking method to make sure that your next concrete placement is accurate. Without a pre/post pour checklist, huge money is lost due to inappropriate lighting, incorrect mix design, slump, spacing, manpower etc.

In a pre-pour checklist, the following items should be included:-

1. Fill out as soon as the pour is already finished
2. fill it out 5 minutes prior to the pour
3. Left blank
4. Don't have / use one

2. BACKFILL CHECK LIST

The first step of building construction is earthwork. Earthwork begins with the soil investigation even before preparing the plan of a building. Then earth filling or cutting is done to make the ground surface even. And then, the land is cleaned. Cleaning involves removing tree roots, existing sub-structure (if any) and any small plant or vegetation from the site. Finally, plot is secured by making fence all around it.

Backfill: Check backfill is being done after ending the shutter removal period of footing. Backfilling material: Try to backfill with the excavated soil. And check the backfilling material is free from large lumps, organic or any other foreign materials. Check all shuttering materials are removed before backfilling.

3. REINFORCEMENT CHECK LIST

Reinforcement is a designation utilized in operative controlling to allude to something that boosts the chances that a reply will happen. Consider that augmentation is described by the result that it has on conduct - it boosts or reinforces the behavior.

Verify Reinforcement before considering the points to remember explained below:

- Structural Drawing Number and date in consonance with reinforcement verified. Bar Bending Schedule Ready?
- Linking of bars to prevailing dowels to be verified for alignment. Okay?
- Setting of bar width, number, and spacing go with the construction agenda?
- Lap Length, placing of lap is okay

		CODE : CHLST BACK FILL	
		BACKFILL CHECK LIST.	
Project.			
Location and description of structure:			
Drawing number:		Revision:	
Backfill Inspection item:	YES	NO	Signature Date
Area released for backfilling activity:			
Anti termite treatment:			
Material suitable for fill: a) Available Excavated & Stacked Earth b) If Imported earth, Whether tests are satisfactory			
Material compacted & in layers of 300mm:			
Final Survey Report prepared if applicable:			
The above backfill activities are correct and ready for release:	Contractor: Signature:		
	PMC: Signature:		

		REINFORCEMENT CHECK LIST.		Code: CHLST RNFRC
				No. & Date:
Project No. & Name				
Location and description of structure:				
Applicable drawing no:		Others if any ☐		Revision:
Architectural ☐				
Structural ☐				
Inspection Item:	YES	NO	Comments	
Bar Bending Schedule prepared				
Cleanliness of the bars				
Dia of the bars as per drawing				
Shape of the bars				
Number of bars				
Lap location				
Anchorage as per drawing				
Provision of separator / spacer bars				
Stirrups spacing				
Chair height				
Adequacy no of chairs				
Gauge & Type of binding wire				
Satisfactory tying of reinforcement with binding wire				
Details of inserts provided				
Cover block thickness				
Adequacy of cover blocks				
Measurement of laps and chairs				
Adequacy of dowel length				
Couplers if any – Check capping				
		The above items are checked and released for next activity		

Engineering & Project Management Solutions			
POUR CARD			
Project : _____		Date : _____	
AREA OF CONCRETING: _____		LOCATION/ GRID: _____	
SOURCE OF CONCRETE: _____		LEVEL: _____	
STRUCTURAL ELEMENT: _____		DRAWING NO. : _____	
GRADE OF CONCRETE : _____		QTY OF CONCRETE : _____	
Inspection Items		PMC to check	Remarks
Survey	Grid lines		
	Level		
Form work	Alignment		
	Dimensions		
	level		
	Plumb		
	Cleanliness		
Steel reinforcement	BBS		
	Spacer		
	Lap		
	Chair		
	Extra Rods		
	Cover		
	Cleanliness		
Openings	Size		
	Level		
	Trimming Bars		
Inserts	Position		
	Size		
Services	Electrical		
	Sanitary & Plumbing		
	Fire fighting		
	Others		
		Contractor Signature	PMC Signature
Inspection	Stage 1		
	Stage 2		
Concreting Start time : Concreting Finish time : Concrete Sampling : Cube ID : No. of Cubes : Slump : Copy to : Client/Site/Batching plant			

Equipment's used:

1. Concrete mixer machine



A **Concrete (Cement Mixer)** is a **machine** that combines **cement** evenly to form aggregates such as sand or gravel and water to **concrete**. A typical **concrete mixer** using a rotating drum for **mixing** the components. They can be charged with dry materials and water, with the **mixing** occurring during transport

For smaller jobs, such as residential repairs, renovations, or hobbyist-scale projects, many cubic yards of concrete are usually not required. Bagged cement is readily available in small-batch sizes, and aggregate and water are easily obtained in small quantities for the small work site. To service this small-batch concrete market, many types of small portable concrete mixers are available.

2. Steel bending machine



Bending/rolling steel is the process of curving a steel member to a specified radius and arc length. Bending is commonly used to describe the process for a tighter radius bend, whereas rolling is used to describe a larger radius bend.

he bending process offers a consistently smooth finish with a consistent radius over the entire arc length. For example, if you miter-cut several pieces of steel and weld them all together to create an "arch," it would be much more time-consuming and expensive than bending—and it wouldn't look as good.

3. Steel cutting machine -

8mm small. 10 12 16

20 25 32 (mm) rod sizes



4. Column Vibrator



5. Hand cutting machine for wires

6. Breaker for dismantling

7. Drilling machine

8. Threading machine to put coupler on the rods

9. Hoist (chinnadha to lift material)

3. CONCLUSION

LESSONS LEARNT IN THE PROJECT

- Quality check in column and beam shuttering process
 - The process of material transformation
 - Quality check in concreting (as per the instructions given by the structural consultant)
 - Rescheduling process as the project delayed due to the pandemic situations
 - About the machineries and masons hired
 - Facility management
 - To prepare the checklist
-
- The project involved has totally thought me, how to proceed the Activity according to the scheduling and the complete idea about the machinery details, labor details and also the site co-ordination
 - It projected me the importance of cost, time and quality
 - It also thought to manage the facility

