



# **SATHYABAMA**

INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)

Accredited with “A” grade by NAAC | 12B Status by UGC | Approved by AICTE

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119

[www.sathyabama.ac.in](http://www.sathyabama.ac.in)

SCHOOL OF BUILDING AND ENVIRONMENT  
**DEPARTMENT OF ARCHITECTURE**  
PRACTICAL TRAINING PORTFOLIO (SAR4063)  
**DEC 2022**

Name of the Student : **Pavin Rosario.T**

Batch : **2019 - 2024**

Reg No. : **39210058**

Semester : **VII**



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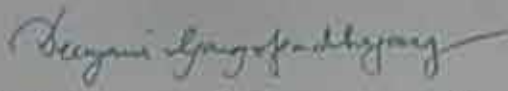
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SCHOOL OF BUILDING AND  
ENVIRONMENT

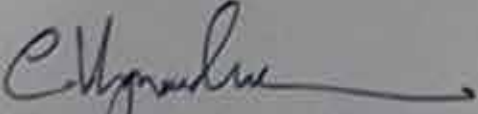
DEPARTMENT OF ARCHITECTURE

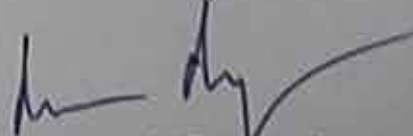
## VIVA-VOCE EXAMINATION

This is to certify that the practical training SAR 4063 is the work of Pavin Rosario.T who had undergone training in Larsen & Toubro (Name of the Firm) has been monitored by the continuous assessment during JUNE 2022 to NOVEMBER 2022.

  
Dr. Devyani Gangopadhyay  
DEAN

Submitted for Viva voce Examination held on 13/12/22

  
Internal Examiner

  
External Examiner





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## DECLARATION

I, Pavin Rosario.T hereby declare that the Training Report **JUNE 2022 to NOVEMBER 2022** done by me under the guidance of **Ar. Nagalingam** is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 13/12/2022

PLACE : Chennai

A handwritten signature in black ink, appearing to read 'Pavin Rosario.T', written over a horizontal line.

SIGNATURE OF CANDIDATE

## ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to the Board of **Management of SATHYABAMA** for their kind encouragement in doing this practical training and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. Devyani Gangopadhyay**, Dean, School of Building and Environment and **Ar.Sarath Chandra Kanth**, Design Chair, Department of Architecture for having been a constant source of support and encouragement.

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

I also wish to thank **Ar.NAGALINGAM**, for the experience of interning at their firm.

# JOINING LETTER



Larsen & Toubro Limited,  
Construction  
Buildings & Factories  
P. B. No. 979, Mount Poonamallee Road,  
Manapakkam,  
Chennai - 600 089, INDIA  
Tel : +91-44-2252 6000, 2252 8000  
Fax : +91-44-2259 7288  
www.Lntec.com

B&F IC/EDRC-HR/Training/579-2022

13 June 2022

Head of the Department  
Sathyabama Institute of Science & Technology,  
Kamaraj Nagar, Semmancheri, Chennai, Tamil Nadu - 600119

Dear Sir/Madam,

**Sub: Project Training**

This has reference to your letter dated **06-Jun-2022** regarding Project Training for your student, **Mr. Pavin Rosario T (39210058)**. As a special case, we agree to admit him for Project Training from **15-Jun-22 to 15-Sep-22**

Please advise him to carry 3 Passport size photographs, copy of him College ID card and Adhaar card copy while reporting for the project training.

Please note that:

- He has to undergo the training without any financial commitment to our Company and fully at his own risk and responsibility.
- He must strictly comply with safety & other rules applicable at the project site/Office.
- He will be awarded his Project Training completion certificate on submission of the Project Report.

Thanking You,

Yours faithfully,  
For LARSEN & TOUBRO LIMITED

**SUNEET KUMAR**  
DGM - HUMAN RESOURCES

Registered Office: L&T House, N. M. Marg, Ballard Estate, Mumbai - 400 001. INDIA  
Licence No.: CIN - L99999MH1946PLC004768

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# MONTHLY REPORT

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**DEPARTMENT OF ARCHITECTURE**

**PROFESSIONAL PRACTICAL TRAINING REPORT 2022**

(Continuous progress report of the trainee architect for the period of One month in the office to be submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization: hasan and huss  
2. Address & Contact Number: AR Center, Mount Ponnave Road, Chennai - 600 022  
3. Name of the student: Pavithra R. S. R.  
4. Duration: from 15/01/2022 to 15/02/2022  
5. Total No. of days: 127 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 90 marks by the department.

| Description of works                       | Excellent | Good | Fair | Poor | NA |
|--------------------------------------------|-----------|------|------|------|----|
| Understanding of office culture            | ✓         |      |      |      |    |
| Participation in the office                | ✓         |      |      |      |    |
| Reading of drawings                        |           |      | ✓    |      |    |
| Presentation Techniques                    |           | ✓    |      |      |    |
| Model making works                         |           | ✓    |      |      |    |
| Understanding of construction details      |           |      | ✓    |      |    |
| Drafting Skills (Manual / Computer)        |           | ✓    |      |      |    |
| Site Supervision / Discussion with clients |           |      |      |      |    |
| Adherence to Time schedule                 |           | ✓    |      |      |    |
| Other computer skills                      |           | ✓    |      |      |    |
| File and Office Maintenance                | ✓         |      |      |      |    |
| Coordination with other consultants        |           |      |      |      |    |
| <b>Overall Grading*</b>                    | <b>8</b>  |      |      |      |    |

(A - 90, B - 80, C - 70, D - 60, E - 50)

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| Site Supervision / Discussion with clients |           |      |      |      |    |
| Adherence to Time schedule                 |           | ✓    |      |      |    |
| Other computer skills                      |           | ✓    |      |      |    |
| File and Office Maintenance                | ✓         |      |      |      |    |
| Coordination with other consultants        |           |      |      |      |    |
| <b>Overall Grading*</b>                    | <b>8</b>  |      |      |      |    |

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| File and Office Maintenance                | ✓         |      |      |      |    |
| Coordination with other consultants        |           |      | ✓    |      |    |
| <b>Overall Grading*</b>                    | <b>9</b>  |      |      |      |    |

(A - 90, B - 80, C - 70, D - 60, E - 50)

## WORK DIARY

15-06-2022 Reception lobby  
16-06-2022 Reception lobby  
17-06-2022 Reception lobby  
18-06-2022 Reception lobby  
19-06-2022 Sunday  
20-06-2022 Office interior  
21-06-2022 Office interior  
22-06-2022 Office building  
23-06-2022 Office building  
24-06-2022 Data center  
25-06-2022 Data center  
26-06-2022 Data center  
27-06-2022 Data center  
28-06-2022 Data center  
29-06-2022 Data center  
30-06-2022 Data center  
01-07-2022 Data center  
02-07-2022 Data center  
03-07-2022 Sunday  
04-07-2022 Reception lobby  
05-07-2022 Reception lobby  
06-07-2022 Reception lobby  
07-07-2022 Reception lobby  
08-07-2022 Reception lobby  
09-07-2022 Reception lobby  
10-07-2022 Sunday  
11-07-2022 Staircase drwaing  
12-07-2022 Reception lobby  
13-07-2022 Reception lobby  
14-07-2022 Reception lobby  
15-07-2022 Reception lobby  
16-07-2022 Reception lobby  
17-07-2022 Sunday  
18-07-2022 Lift lobby  
19-07-2022 Lift lobby  
20-07-2022 Lift lobby  
21-07-2022 Lift lobby  
22-07-2022 Staircase drwaing  
23-07-2022 Toilet  
24-07-2022 Sunday  
25-07-2022 Lift lobby  
26-07-2022 Lift lobby  
27-07-2022 Lift lobby  
28-07-2022 Lift lobby  
29-07-2022 Lift lobby  
30-07-2022 Lift lobby  
31-07-2022 Sunday

01-08-2022 Lift lobby  
02-08-2022 Lift lobby  
03-08-2022 Lift lobby  
04-08-2022 Lift lobby  
05-08-2022 Lift lobby  
06-08-2022 Reception lobby  
07-08-2022 Sunday  
08-08-2022 Reception lobby  
09-08-2022 Lift lobby  
10-08-2022 Lift lobby  
11-08-2022 Lift lobby  
12-08-2022 Reception lobby  
13-08-2022 Reception lobby  
14-08-2022 Sunday  
15-08-2022 Reception lobby  
16-08-2022 Reception lobby  
17-08-2022 Reception lobby  
18-08-2022 Reception lobby  
19-08-2022 Reception lobby  
20-08-2022 Data center  
21-08-2022 Sunday  
22-08-2022 Toilet  
23-08-2022 Toilet  
24-08-2022 Toilet  
25-08-2022 Reception lobby  
26-08-2022 Reception lobby  
27-08-2022 Reception lobby  
28-08-2022 Sunday  
29-08-2022 Reception lobby  
30-08-2022 Reception lobby  
31-08-2022 Reception lobby  
01-09-2022 Lift lobby  
02-09-2022 Lift lobby  
03-09-2022 Reception lobby  
04-09-2022 Sunday  
05-09-2022 Office building  
06-09-2022 Office building  
07-09-2022 Office building  
08-09-2022 Office building  
09-09-2022 Office building  
10-09-2022 Office building  
11-09-2022 Sunday  
12-09-2022 Office building  
13-09-2022 Office building  
14-09-2022 Office building  
15-09-2022 Office building  
16-09-2022 Office building

17-09-2022 Office building  
18-09-2022 Sunday  
19-09-2022 Office building  
20-09-2022 Office building  
21-09-2022 Office building  
22-09-2022 Office building  
23-09-2022 Office building  
24-09-2022 Office building  
25-09-2022 Sunday  
26-09-2022 Office building  
27-09-2022 Office building  
28-09-2022 Office building  
29-09-2022 Office building  
30-09-2022 Office building  
01-10-2022 Office building  
02-10-2022 Sunday  
03-10-2022 Office building  
04-10-2022 Office building  
05-10-2022 Office building  
06-10-2022 Office building  
07-10-2022 Office building  
08-10-2022 Office building  
09-10-2022 Sunday  
10-10-2022 Office building  
11-10-2022 Office building  
12-10-2022 Office building  
13-10-2022 Office building  
14-10-2022 Office building  
15-10-2022 Office building

# CONSOLIDATED CERTIFICATE



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www.Lntecc.com

LTC-HQ/B&F/EDRC-HR/Training/579-2022

03 December 2022

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Pavin Rosario T (39210058)** from **Sathyabama Institute Of Science & Technology , Chennai** has undergone his project internship at our Engineering Design & Research Centre (EDRC) – Headquarters from **15 June 2022 to 15 October 2022**.

We wish him all the best for his future endeavors.

Yours faithfully,

for LARSEN & TOUBRO LIMITED

A handwritten signature in blue ink, appearing to read 'Suneet Kumar', with a long horizontal stroke extending to the right.

**SUNEET KUMAR**  
**DGM - HUMAN RESOURCES**

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Licence No.: CIN - L99999MH1946PLC004768

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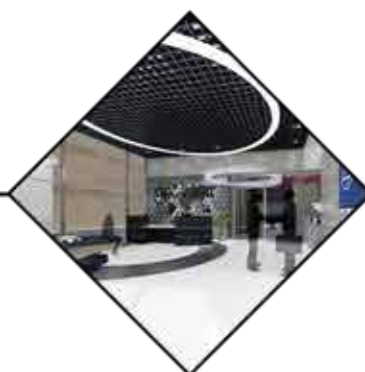
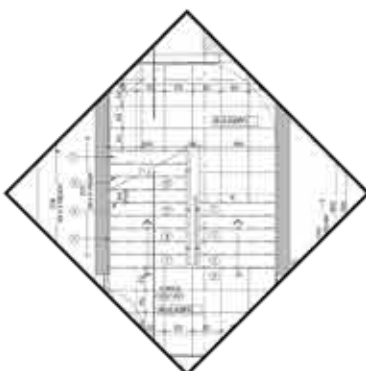
## **GENERAL ACKNOWLEDGEMENT**

AS AN ENTHUSIASTIC INTERN, I SEE THIS OPPORTUNITY AS A WAY TO CONTRIBUTE TO THE DYNAMIC ORGANISATION “LARSEN & TOUBRO” CONSTRUCTION HAVING A VERSATILE PORTFOLIO. I GOT LEARN SOMETHING EVERYDAY FROM DISCIPLINE TO TIME MANAGEMENT, COMMUNICATION AND SOFTWARE SKILLS AND VARIOUS OTHER SOFT SKILLS SUITABLE FOR FUTURE WORKING ENVIRONMENT

TRADING IN THE COMPANY EXCITED AS IT GAVE A CHANCE TO EXPLORE AND GAIN KNOWLEDGE WITH RESPECT TO ARCHITECTURAL DETAILS, INTERIORS, ON SITE ACTIVITIES AND ALSO AN ADDITIONAL SCOPE OF LEARNING ABOUT CLIENT MEETINGS WITH CONSULTANTS AND VENDORS ON THE PROJECT THAT THEY DEAL WITH.

THE TRAINING PERIOD HELPED ME UNDERSTAND THE PROCESS AND TIME IT TAKES FOR A DESIGN TO TRANSFORM FROM A SKETCH TO REAL TIME PROJECT, IT ALSO MADE ME TO REALIZE THE PROFOUND EXPERTISE WITH VARIOUS CONSTRAINTS AND BROAD SPECTRUM OF PEOPLE WE DEAL WITH TO EXECUTE A PROJECT

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## OFFICE BUILDING

---



**OPTION-1**  
**(350 MM PANE WITH 200 MM SPACING)**



**OPTION-2A**  
**(350 MM PANE WITH 100 MM SPACING)**



**OPTION-2B**  
**(350 MM PANE WITH 100 MM SPACING)**



**OPTION-3**  
**(400 MM PANE WITH 200 MM SPACING)**

## VERTICAL FINS FINALISED OPTION



AS PER THE DISCUSSION WITH THE CLIENT AND THEIR SUGGESTION WE WOULD ASK TO REMOVE THE EXTRUSION SO WE HAVE REMOVED THE FACADE INSTEAD OF THAT, WE HAVE DECIDED TO MAKE THE BUILDING IN THE SAME Y FORM BY JUST APPLYING DIFFERENT GLASS IN THE Y CUT TO A SIMPLE GLASS BOX



OPTION-1



OPTION-2



OPTION-3



OPTION-4



OPTION-5



OPTION-6

## HORIZONTAL FINS FINALISED OPTION





OPTION-1



OPTION-2



OPTION-3

## RECESS FINALISED OPTION



IN THIS OPTION I HAVE TRIED TO CREATE A RECESS IN THE BREAKOUT AREAS AS PER THE AREAS WHERE IT HAS BEEN OFFSET A DISTANCE COMPARED TO THE MAIN GLASS PANELS AND TRANSPARENCY



OPTION-1



OPTION-2



OPTION-3



OPTION-4



**OPTION-5**



**OPTION-6**



**OPTION-7**



**OPTION-8**



## DATA CENTER

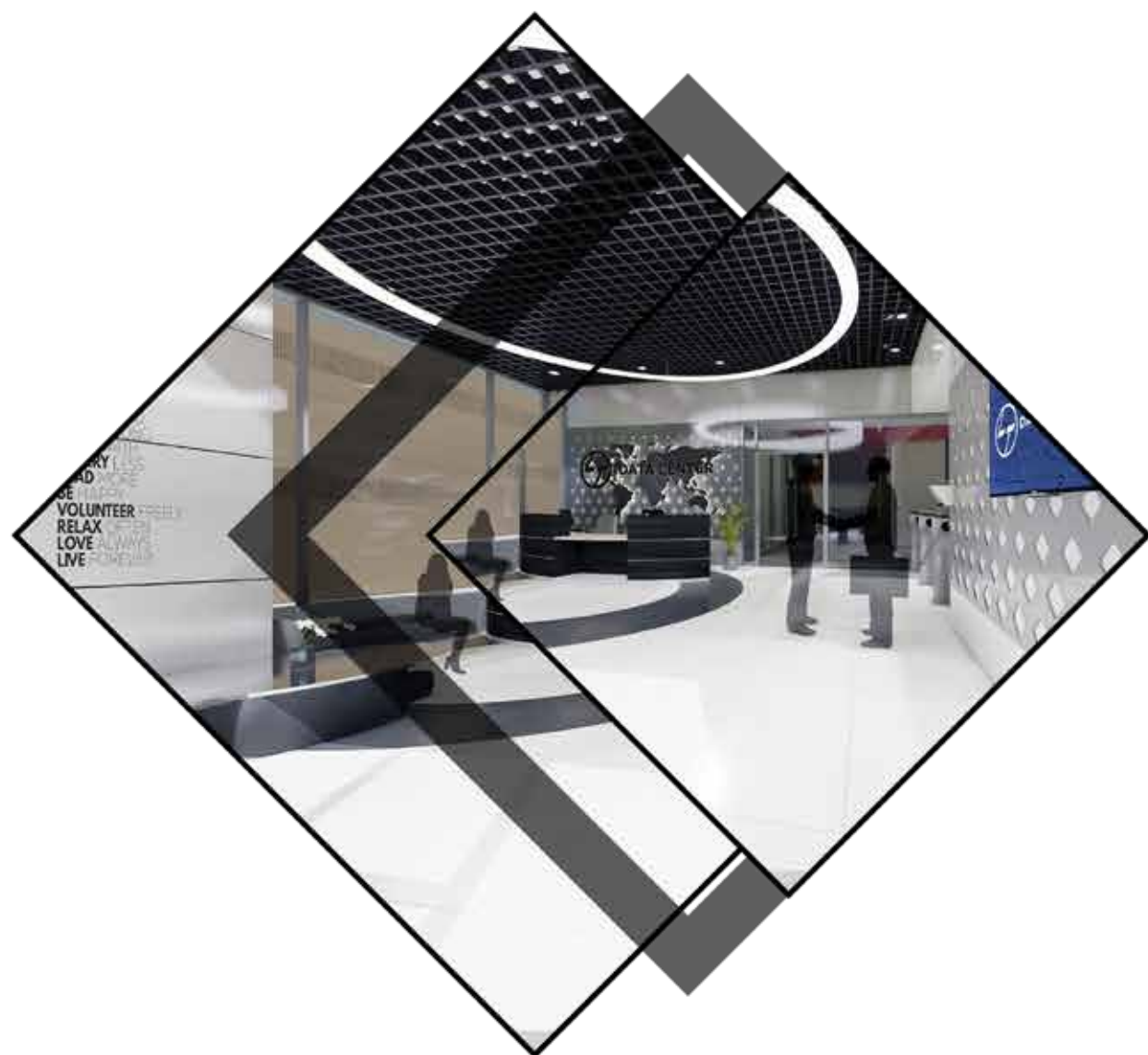
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COMPARING TO THE OFFICE BUILDING KANCHI DC TENDS TO BE ENTIRELY DIFFERENT IN FORM LAYOUT AND FUNCTION ,WHEREAS OFFICE IS DESIGNED AS A SINGLE BOX WHEREAS KANCHI DC IT'S BEEN DIVIDED INTO 2 BLOCKS WHERE THE COMPLEXITY ARISES FOR THE DESIGN OF THE FACADE. THE MAIN AIM OF THE DESIGN IS NOT TO BREAK THE HARMONY OF THE FACADE WORK AS WELL AS TO MAINTAIN MEET THE REQUIREMENTS, SINCE IT'S A DATA CENTER IN ACCORDING TO COST EFFECTIVENESS WE HAVE GONE THROUGH THE ACP PANELS FOR THE SPACE WHICH IS COMPARATIVELY COST-EFFECTIVE THAN GLASS AND EVEN WE HAVE IMPLEMENTED GLASS IN THE DESIGN IN A SINUSOIDAL WAVE WHICH PROVIDES CONTINUITY TO THE BUILDING





## RECEPTION LOBBY

MODIFICATION-1



VIEW-1



VIEW-2

MODIFICATION-2



VIEW-1



VIEW-2

MODIFICATION-3



VIEW-1



VIEW-2

MODIFICATION-4



VIEW-1



VIEW-2



FINALISED OPTION

VIEW-2





VIEW-2



OPTION-1



VIEW-1



VIEW-2

OPTION-2



VIEW-1



VIEW-2

VIEW-1



FINALISED OPTION





## LIFT LOBBY



VIEW-1

VIEW-2

OPTION-1A

THE MATERIAL USED IN THIS LIFT LOBBY FOR WALL CLADDING AND FLOORING WERE IMPERIAL GRANITE AND THEN THE TYPE OF CEILING WHICH HAS BEEN USED WERE GYPSUM BOARD FALSE .THIS OPTION HAS BEEN DESIGNED AS PER THE BOQ WHICH HAS BEEN FINALISED





VIEW-1

VIEW-2

OPTION-1B

VIEW-2

THIS IS ANOTHER GRANITE OPTION WHERE WE HAVE USED COLONIAL WHITE GRANITE AND THEN CHANGED THE FLOORING AND CEILING PATTERN





VIEW-1

VIEW-2

## OPTION-2

IN THIS OPTION INSTEAD OF USING GRANITE FOR THE 4 WALLS I HAVE USED THE GRANITE CLADDING FOR THE LIFT WALL AND THE OTHER WALLS WERE TREATED WITH TEXTURED PAINT SO THAT THE COST USED FOR THE GRANITE CLADDING ON THE WALLS CAN BE DECREASED





VIEW-1

VIEW-2

OPTION-3A

IN THIS OPTION I HAVE USED FULLY PAINT FOR ALL THE WALLS AND HAVE CHOSEN EPOXY FLOORING SO THAT THE FLOORING CAN MATCH WITH THE WALL COLOR.





OPTION-3B

VIEW-1

VIEW-2





## OFFICE SPACE

---



OPTION-1



OPTION-2



OPTION-3

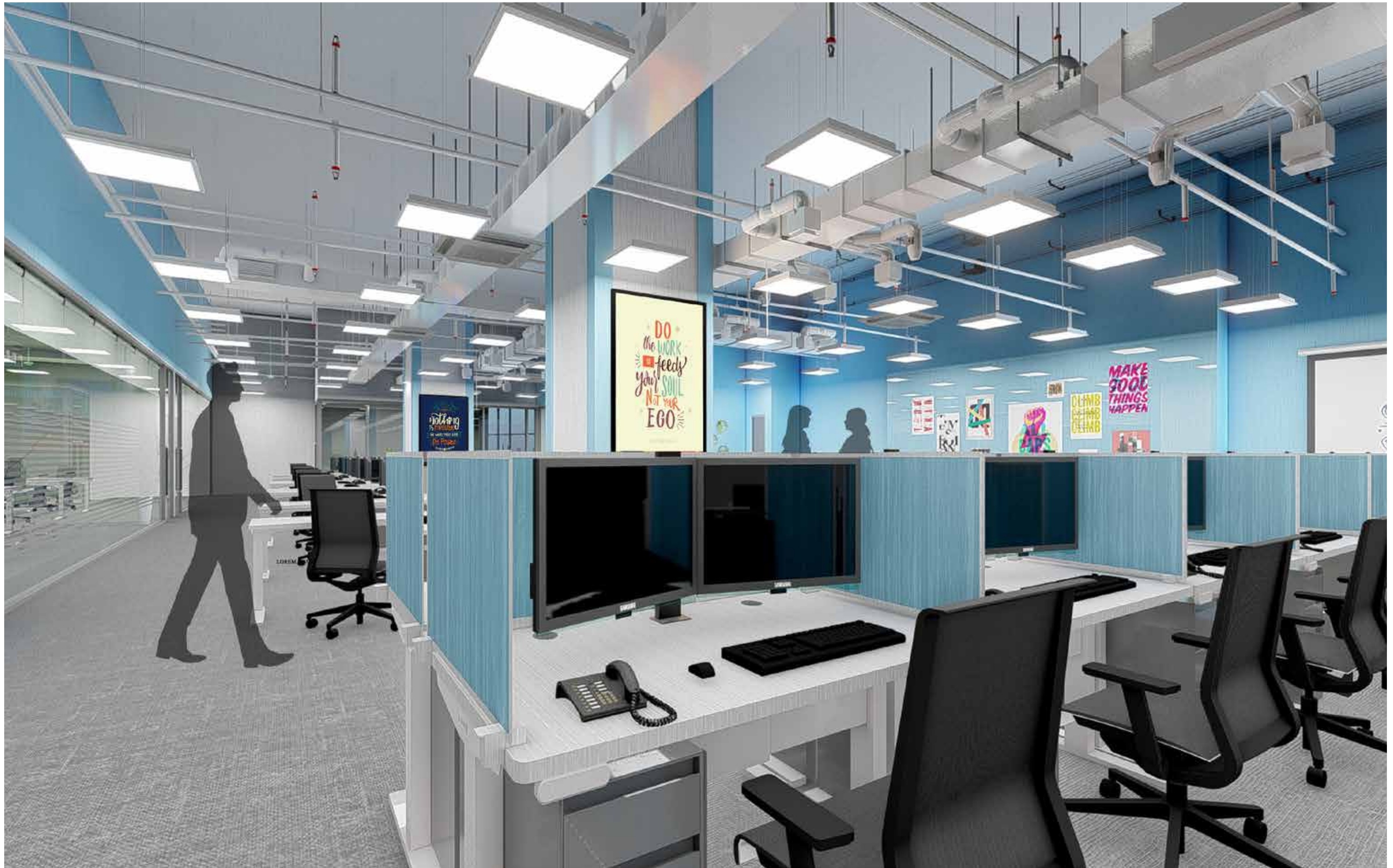


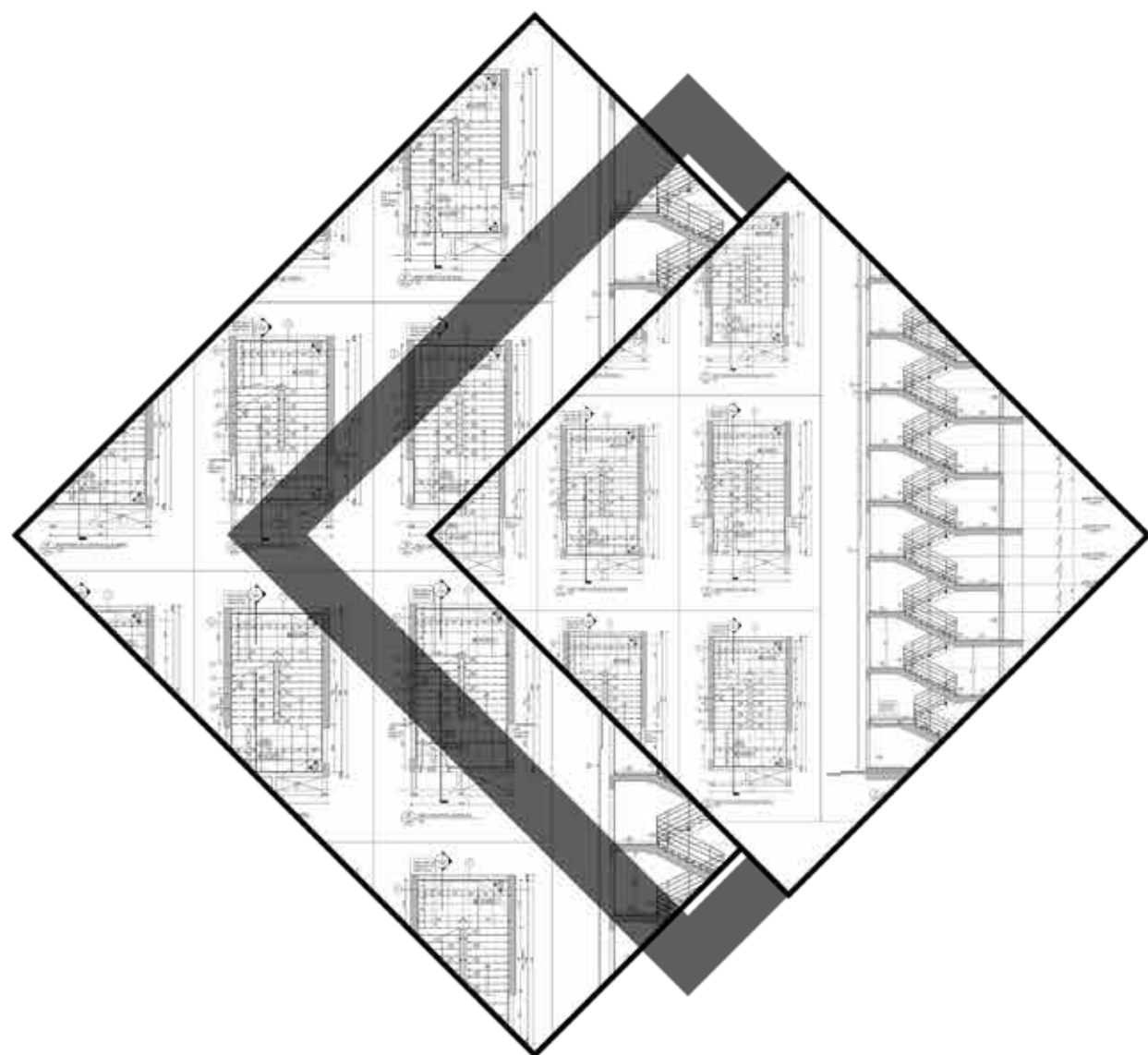
OPTION-4

## VIEW-1



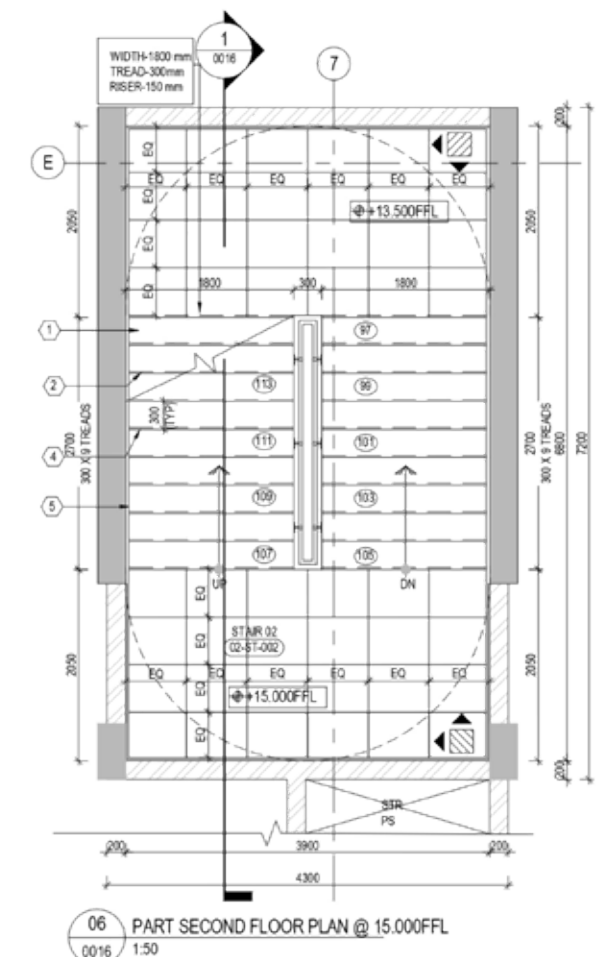
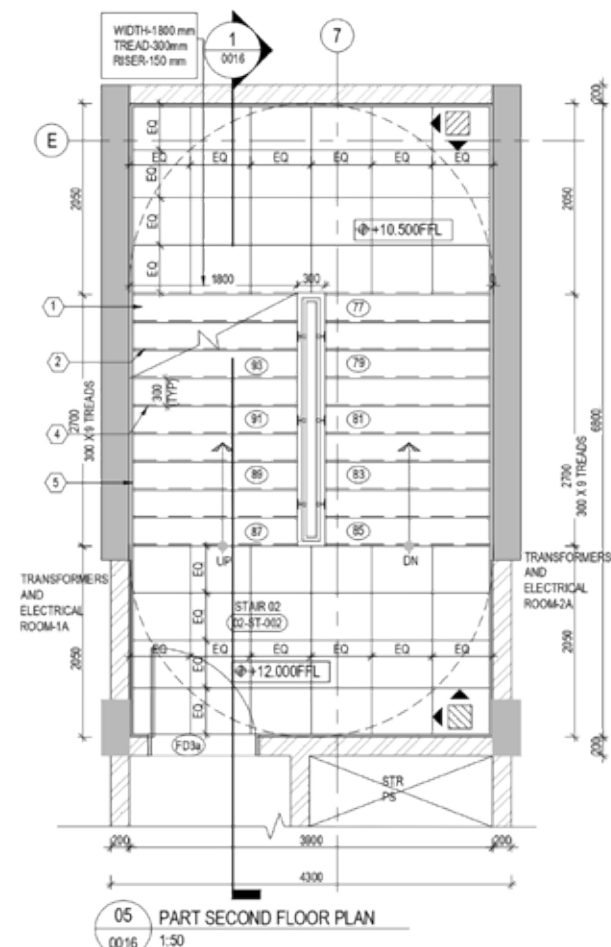
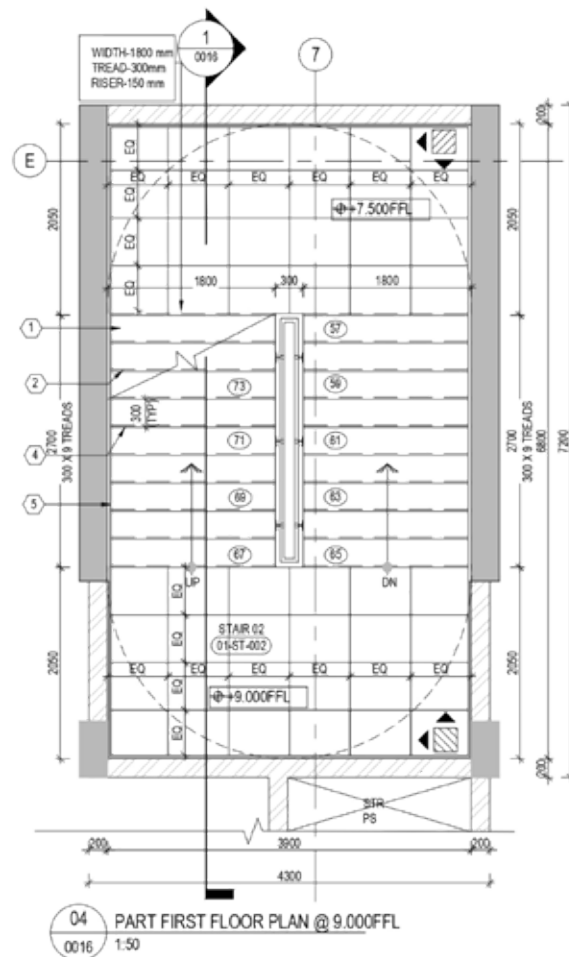
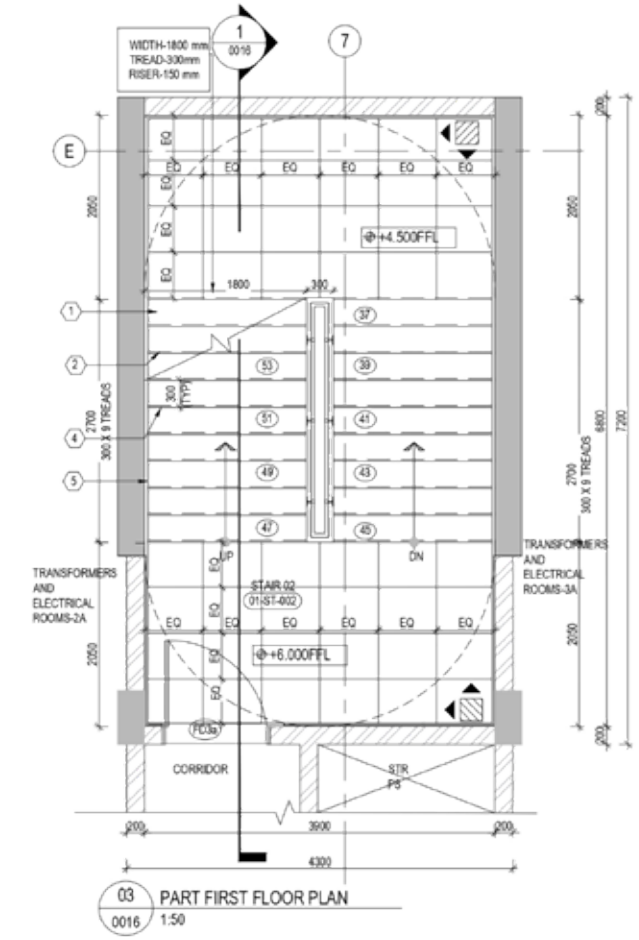
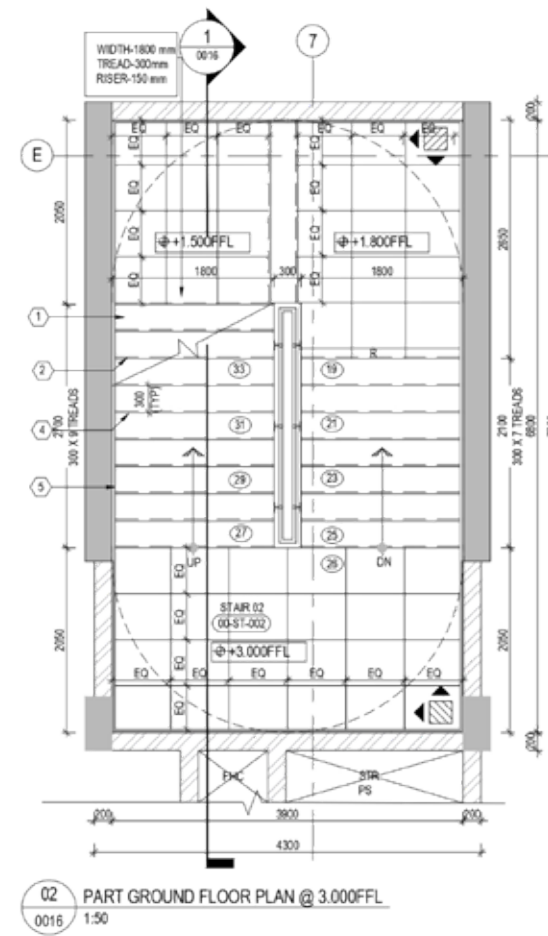
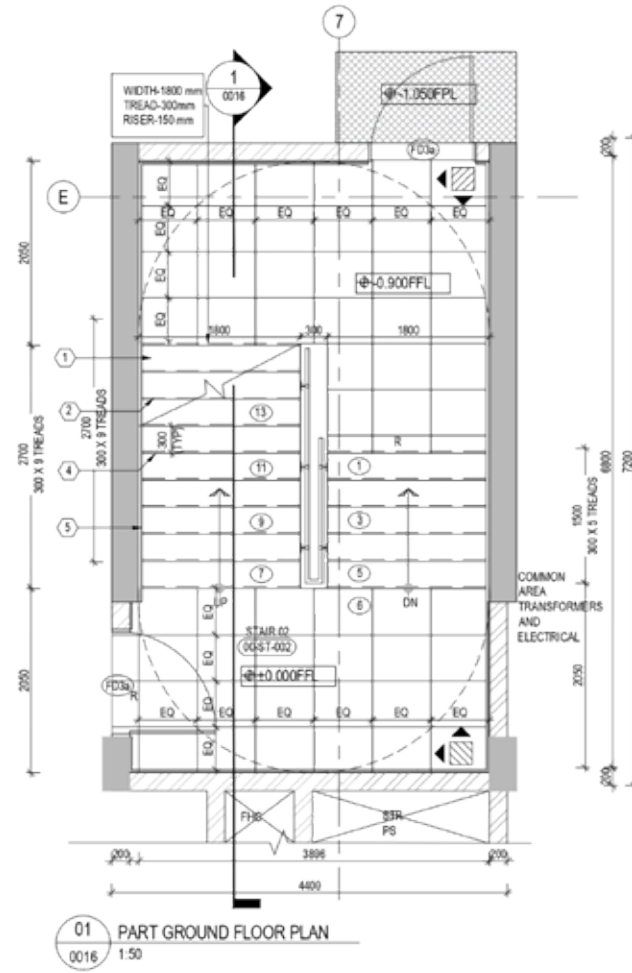
## FINALISED OPTION

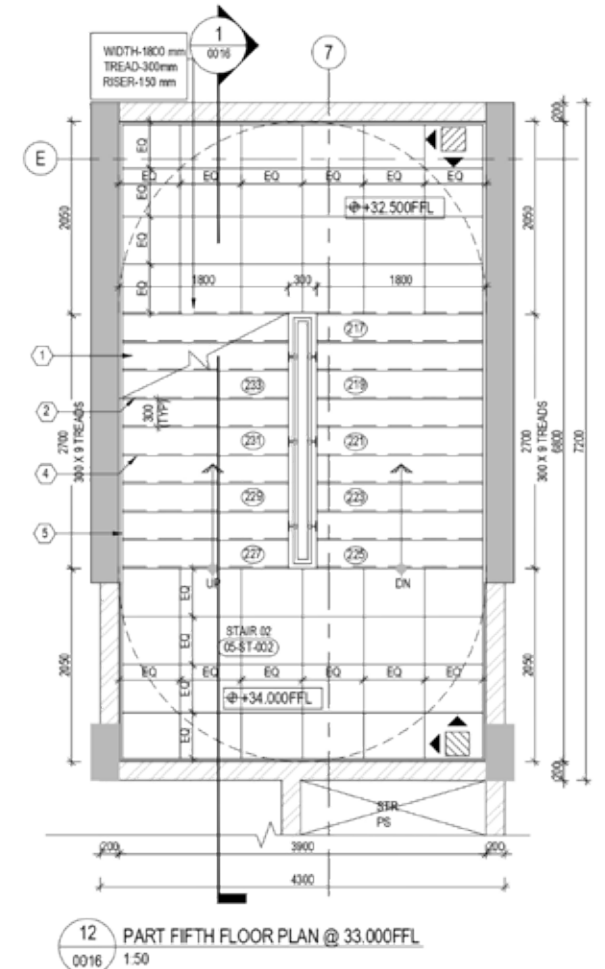
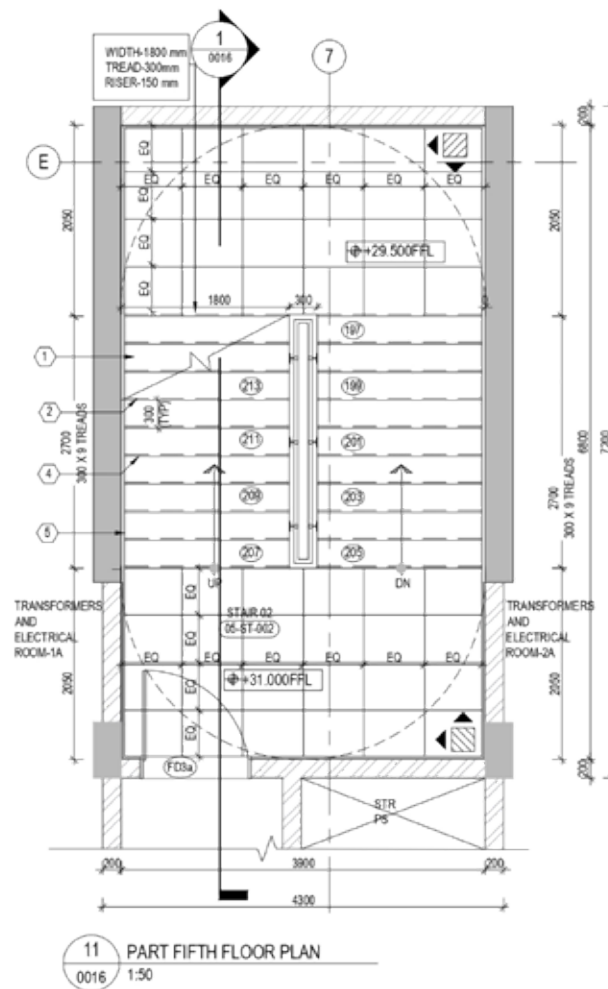
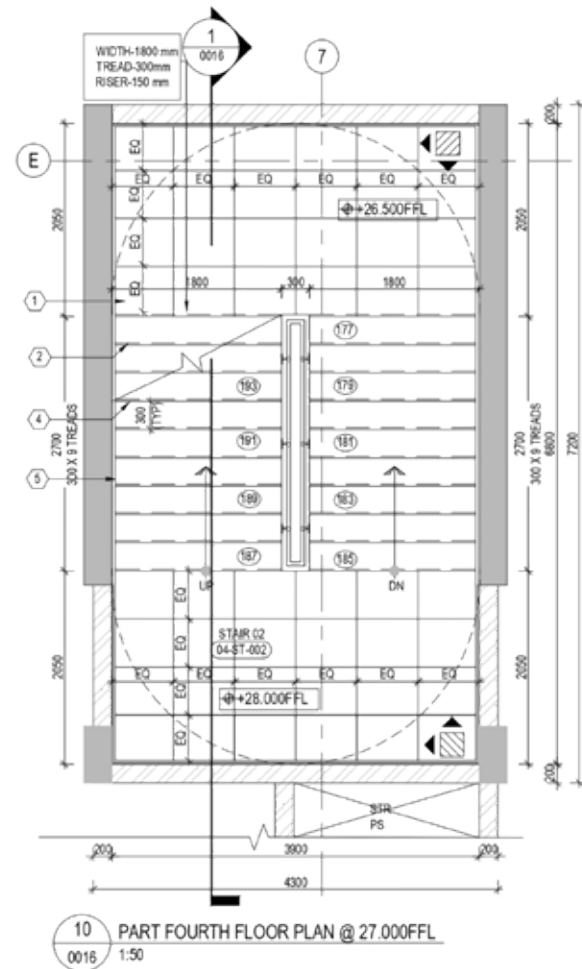
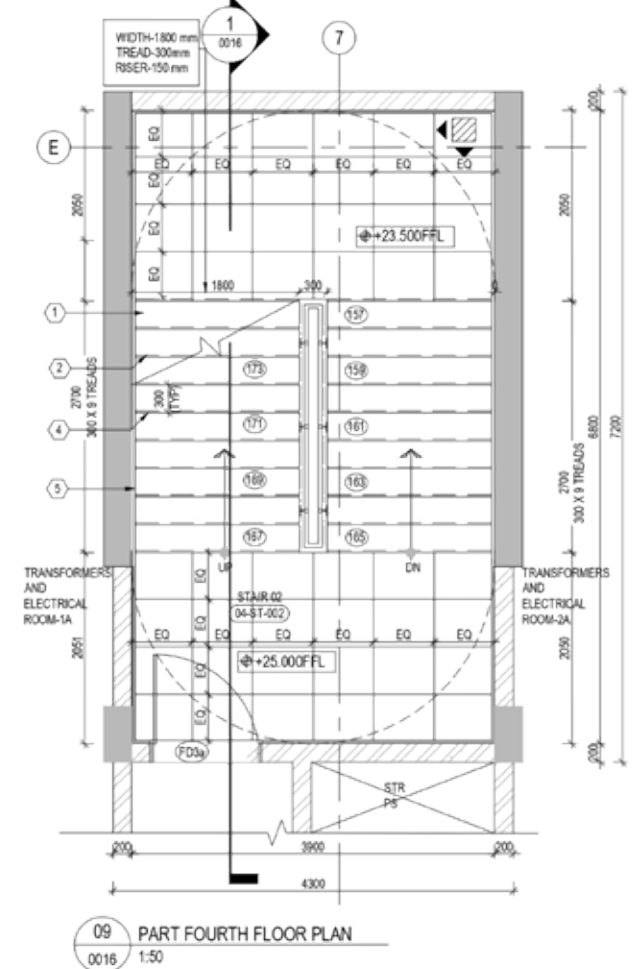
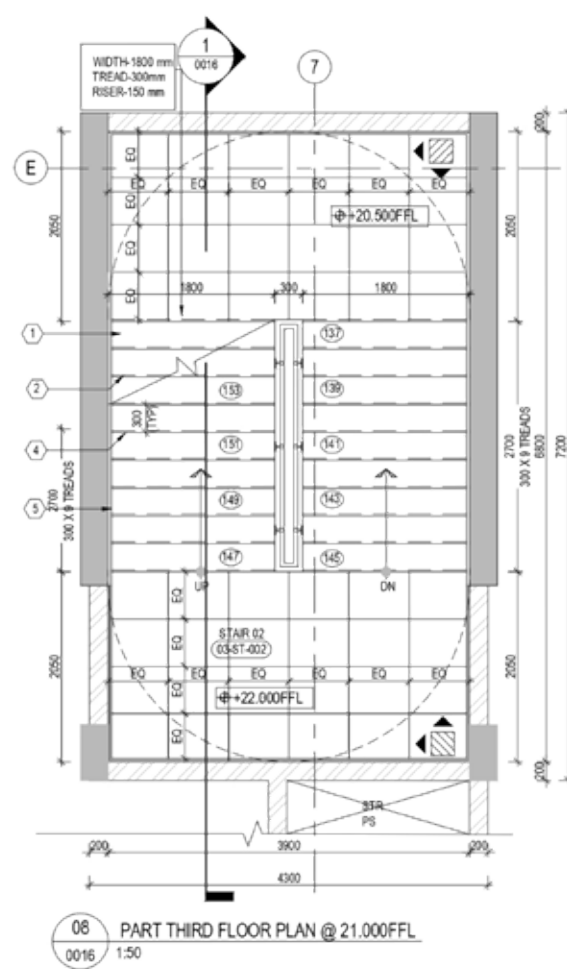
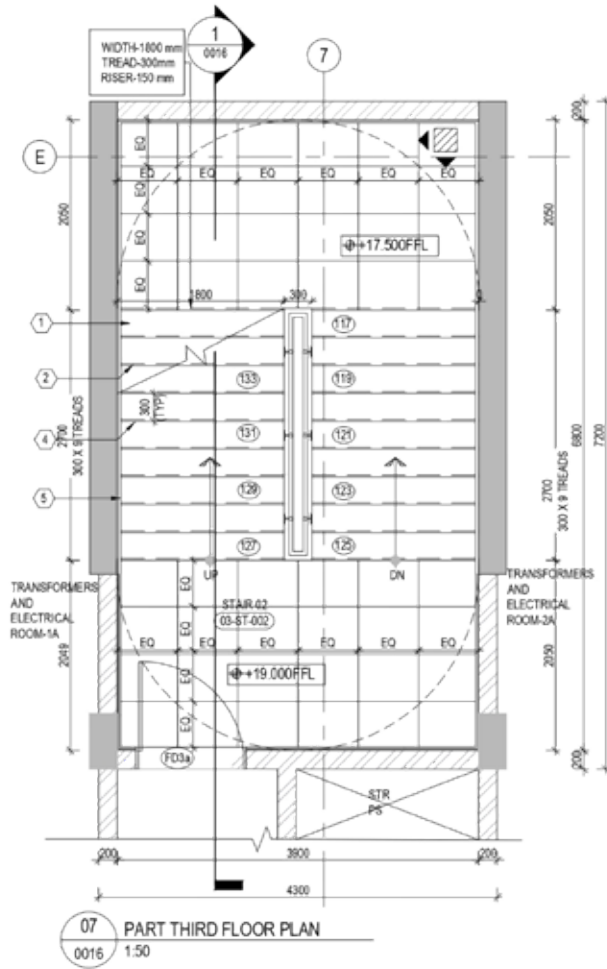


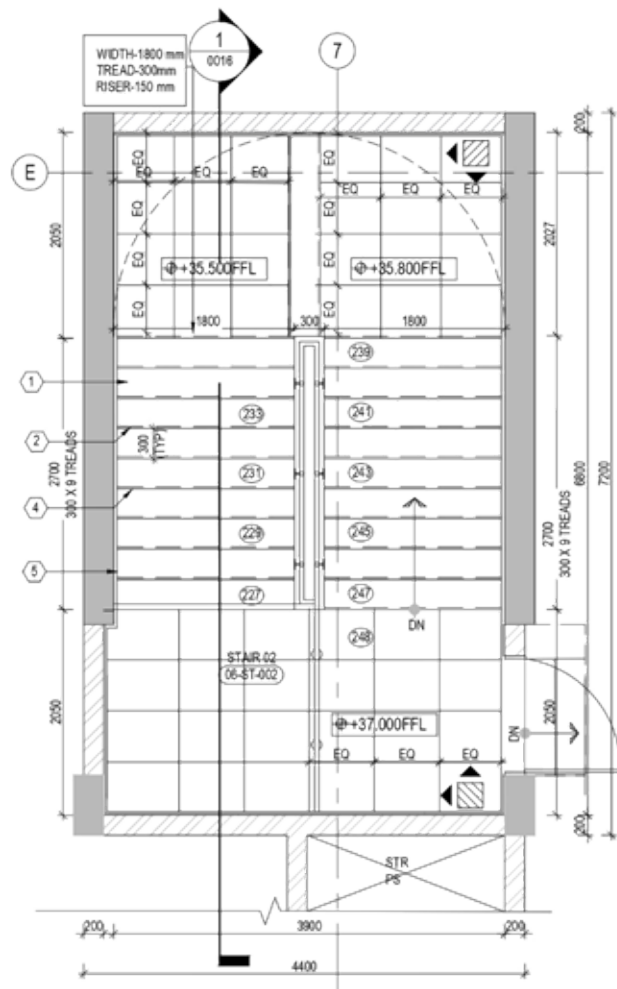


# STAIRCASE DRAWINGS

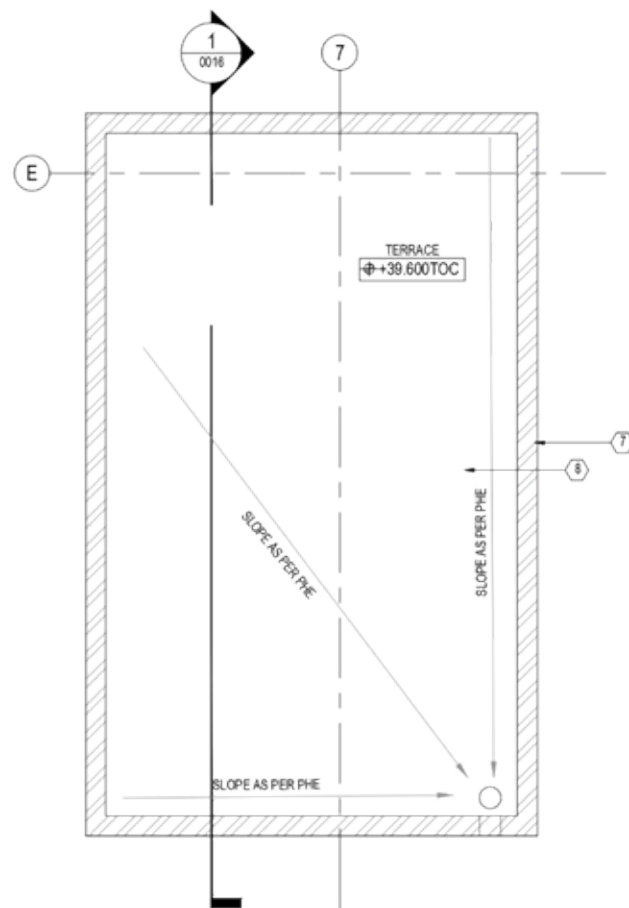
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13 PART TERRACE FLOOR PLAN  
0016 1:50



14 PART HEADROOM PLAN  
0016 1:50

