



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

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

**PROFESSIONAL TRAINING (S84APT)
DEC 2021 - JAN 2022**

Name of the Student : R TAMIL SELVAN

Semester : III

Reg No. : 40840017

Batch : 2020-2022



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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 Report (S84APT) is the work of **R TAMIL SELVAN (40840017)** who had undergone training in **AECOM ASIA COMPANY PVT LTD** and has been monitored by the continuous assessment during Dec 2021 to Jan 2022

Dr. Devyani Gangopadhyay
HOD AND DEAN

Submitted for Viva voce Examination held on 01-02-2022

Internal Examiner

(Ar. SUKIRTHA SURESH)

External Examiner

(Ar. HENA DAMODARAN)



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DECLARATION

I **R TAMIL SELVAN** hereby declare that this Professional Training Report for **30 Days from 6TH Dec 2021 to 11TH Jan 2022** done by me under the guidance of **Ar. S. ELAYARAJA** is submitted in partial fulfilment of the requirements for the completion of practical training session.

DATE : 31.01.2022

PLACE : CHENNAI

SIGNATURE OF CANDIDATE

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.S ELAYARAJA** 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.

I take this moment to thank, **MR. ELAYARAJA (Project coordinator)** for all the support since the day I began work. I am profoundly grateful to him for his help, professionalism, his concern, passionate support and encouragement throughout my training.

I would also like to thank my parents for supporting me as always and helping me throughout my training.

JOINING LETTER



AECOM Asia Company Ltd.
Chennai Airport Project,
3rd Floor, Airport Metro Station,
Chennai – 600 027.
Tamil Nadu, India.
www.aecom.com

Tel: 044 2256 6170
M : 8111887048

08-12-2021

To

The Head of the Department

Department of Architecture, School of Building & Environment

Sathyabama Institute of Science and Technology

Rajiv Gandhi Salai, Jeppiaar Nagar,

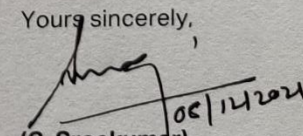
Chennai-600 119, Tamil Nadu.

Dear Sir /Madam,

As per the request made by your Institution, we wish to inform that **Mr. Tamil Selvan R – Reg No 40840017** of 3rd Semester M. Arch (Building Management -Batch 2020-2022), Sathyabama Institute Of Science & Technology - **SIST**, is undergoing his internship in our project for a period of 30 days starting from **06th DECEMBER 2021 – 10th JANUARY 2022**. This is for your kind information

Thanking you,

Yours sincerely,


(G. Sreekumar)
Project Director,
AECOM,
Chennai Airport Project.



EXPERIENCE CERTIFICATE



AECOM Asia Company Ltd.
Chennai Airport Project,
3rd Floor, Airport Metro Station,
Chennai – 600 027.
Tamil Nadu, India.
www.aecom.com

Tel: 044 2256 6170
M : 8111887048

10-01-2022

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- Tamil Nadu-600 119

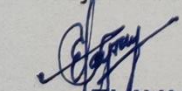
Dear Sir /Madam,.

This is to certify that Mr.R. Tamil Selvan, roll no.40840017 a student of III semester M-Arch from **Satyabhama Institute of Science and Technology**, Chennai, has successfully completed his Internship from 06.12.2021 to 10.01.2022 as per the request made by your institution. During his internship he was involved in the most prestigious project of AECOM namely the Modernization of Chennai International airport Phase-II expansion.

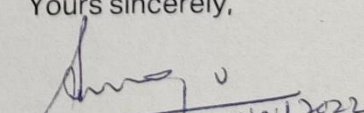
During his tenure of internship, he had been sincere and hardworking. We wish him success in all his professional endeavours and best of luck. This certificate is issued for academic purpose only.

Thanking you,

Project Architect

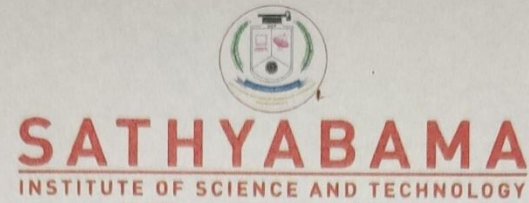

ELAYARAJA. S
COA Regn. No. CA/2007/39535

Yours sincerely,


(G. Sreekumar)
Project Director,
AECOM,
Chennai Airport Project.



MONTHLY REPORT



SATHYABAMA
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SCHOOL OF BUILDING & ENVIRONMENT, DEPARTMENT OF ARCHITECTURE
M. Arch (Building management) Batch 2020-2022
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)

1. Name of the office / organization :	AECOM ASIA COMPANY LTD.
2. Address & Contact Number	3 RD FLOOR, AIRPORT METRO STATION, CHENNAI.
3. Name of the student	R. TAMIL SELVAN
4. Duration	From 06.12.2021 To 31.12.2021
5. Total No. of days	22 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;

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*	8.5/10
------------------	--------

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

7. Any other Remarks : He is good in understanding the concepts and working culture

8. Signature of the Head of the Office / Organization (With Seal) :



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1. Name of the office / organization :	AECOM ASIA COMPANY LTD.
2. Address & Contact Number	3 RD FLOOR, AIRPORT METRO STATION, CHENNAI.
3. Name of the student	R. TAMIL SELVAN
4. Duration	From 01.01.2022 To 10.01.2022
5. Total No. of days	8 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;

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*	8.5
------------------	-----

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

7. Any other Remarks : Good

8. Signature of the Head of the Office / Organization (With Seal) :

WORK DIARY

WORK DIARY

(Annexure –VIII)

DAY	PROJECT NAME	WORK DONE	DAY	PROJECT NAME	WORK DONE
1	MODERNISATION OF CHENNAI AIRPORT	HANDRAIL DETAIL	16	MODERNISATION OF CHENNAI AIRPORT	INTERIOR DESIGN FOR VIP LOBBY @ DEPARTURE
2	MODERNISATION OF CHENNAI AIRPORT	BOQ FOR HANDRAIL @ PAVEMENT PLATFORM	17	MODERNISATION OF CHENNAI AIRPORT	INTERIOR DESIGN FOR VIP LOBBY @ DEPARTURE
3	MODERNISATION OF CHENNAI AIRPORT	SECTION @ GRID 17T	18	MODERNISATION OF CHENNAI AIRPORT	INTERIOR DESIGN FOR VIP LOBBY @ DEPARTURE
4	MODERNISATION OF CHENNAI AIRPORT	DUTYFREE SHOP INTERIOR DESIGN	19	MODERNISATION OF CHENNAI AIRPORT	INTERIOR DESIGN FOR VIP LOBBY @ DEPARTURE
5	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	20	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT
6	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	21	MODERNISATION OF CHENNAI AIRPORT	CAD CORRECTIONS WORK IN MASTER PLAN
7	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	22	MODERNISATION OF CHENNAI AIRPORT	CAD CORRECTIONS WORK IN MASTER PLAN
8	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	23	MODERNISATION OF CHENNAI AIRPORT	CAD CORRECTIONS WORK IN MASTER PLAN
9	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	24	MODERNISATION OF CHENNAI AIRPORT	RAMP & STAIR DESIGN @ ARRIVAL CORRIDOR
10	MODERNISATION OF CHENNAI AIRPORT	ROAD LAYING TENDER STUDY	25	MODERNISATION OF CHENNAI AIRPORT	RAMP & STAIR DESIGN @ ARRIVAL CORRIDOR
11	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	26	MODERNISATION OF CHENNAI AIRPORT	RAMP & STAIR DESIGN @ ARRIVAL CORRIDOR
12	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	27	MODERNISATION OF CHENNAI AIRPORT	PREPARATION WORKS FOR SITE INSPECTION
13	MODERNISATION OF CHENNAI AIRPORT	HVAC PLANT SITE LAYOUT	28	MODERNISATION OF CHENNAI AIRPORT	ARRIVAL AIRSIDE AREA SITE MODEL
14	MODERNISATION OF CHENNAI AIRPORT	INTERNAL ROAD NETWORK LAYOUT	29	MODERNISATION OF CHENNAI AIRPORT	HVAC DUCT WORK
15	MODERNISATION OF CHENNAI AIRPORT	ELEVATION RENDERS	30	MODERNISATION OF CHENNAI AIRPORT	HANDOVER & COMPLETION WORKS TO OFFICE

Chief Architect Signature:

Office seal:



[Handwritten Signature]
10/01/2022

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ABOUT THE FIRM

1.1 FIRM HISTORY

AECOM stands for **Architecture, Engineering, Construction, Operations, And Management**.

AECOM launched when a handful of employees from design and engineering companies shared a dream of creating an industry-leading firm dedicated to delivering a better world.

Since then, more than 50 companies have joined us and, in 2007, we became a publicly traded company on the New York Stock Exchange.

With over 3,200 employees located in five regional offices and project offices across 26 states in India, AECOM has the resources and expertise to see projects through from concept to completion.

1.2 FIRM VISION

Today, listed at #157 on the Fortune 500 as one of America's largest companies, AECOM is the world's premier infrastructure firm with an unrivaled heritage delivering **design, planning, engineering, consulting and construction management solutions**.

1.3 FIRM MISSION

Approximately \$13.3 billion of Professional Services revenue during fiscal year 2021

Listed at #189 on the Fortune 500 as one of America's largest companies

Ranked #1 in Engineering News-Record's 2020 "Top 200 Environmental Firms"

Named one of Fortune magazine's "World's Most Admired Companies" for the sixth consecutive year

Named one of 2021 World's Most Ethical Companies for its commitment to integrity and making a positive impact by Ethisphere

1.4 PROJECTS DONE BY FIRM

- Vizag Smart City
- Dholera Special Investment Region
- Delhi Sewerage System Masterplan
- “Seabird” Project
- Chenab Railway Bridge
- Allain Duhangan Hydroelectric Complex
- Dhamra Port
- Hyderabad Metro
- ITC Grand Chola

1.5 AWARDS



1.6 REASON FOR CHOOSING THIS FIRM

- To learn more about practical construction procedure.
- Firm had more scope for project management while applying for internship.
- To explore PM softwares and to gain more knowledge and contacts.

PROFESSIONAL TRAINING WORKS
PROJECT – MODERNISATION OF CHENNAI
AIRPORT PHASE 1 &2

2.1 PROJECT DETAILS

• CLIENT NAME	• AIRPORT AUTHORITY OF INDIA
• BUILDING TYPOLOGY	• GOVERNMENT PROJECT
• SITE LOCATION	• MEENAMBAKKAM, CHENNAI
• PROJECT STATUS	• ONGOING
• BUILT UP AREA	• 2,23,027 SQ.M
• SCOPE OF WORK	• DRAWINGS CO-ORDINATION BETWEEN THE CONSULTANT & THE CONTRACTOR CASH FLOW MANAGEMENT SCHEDULING AND TRACKING OF ONGOING • WORKS
• MAIN CONTRACTORS	• L&T • GODREJ • SMITHS DETECTION • JWL

Client	Airports Authority Of India
Name OF Agency :	
Agreement No :	ENGG/ ED-SR/ GM(E-C)/ Chennai/ TB PH-II/ 2018/ 01

Sample No :				Date of Casting	26.09.2020
Source / Location				Date of testing	26.09.2020
MDD (gm/cc) :	1.815	OMC (%)	9.58	Type of Material	Soil

CBR casting at 98 % of MDD level

CALIFORNIA BEARING RATIO TEST DATA SHEET (As per IS 2720 Part -16)

	Before Soaking	After Soaking	Before Soaking	After Soaking	Before Soaking	After Soaking
Mould No.	1	-	2	-	3	-
No. of Blows per layer/Dynamic,Static meth	55	-	55	-	55	-
Wt. of Wet sample+mould in gms	11871	-	11575	-	12201	-
Wt. of mould in gms	7401	-	7191	-	7750	-
Wt. of wet sample in gms	4470	-	4384	-	4451	-
Volume of sample in cc	2250	-	2250	-	2250	-
Wet unit weight in gms/cc	1.987	-	1.948	-	1.978	-

Moistuer Determination	Before Soaking	After Soaking			Before Soaking	After Soaking			Before Soaking	After Soaking		
		Top	Center	Bottom		Top	Center	Bottom		Top	Center	Bottom
container no	1	-	-	-	2	-	-	-	3	-	-	-
Wt.of sample+ container in gms	37.78	-	-	-	39.26	-	-	-	42.56	-	-	-
Wt. of Dry sample+container in gms	35.98	-	-	-	37.32	-	-	-	40.31	-	-	-
Wt.of Water in gms	1.80	-	-	-	1.94	-	-	-	2.25	-	-	-
Wt. of container in gms	17.05	-	-	-	16.84	-	-	-	16.81	-	-	-
Wt. of dry sample in gms	18.93	-	-	-	20.48	-	-	-	23.50	-	-	-
% of moisture content	9.51	-	-	-	9.47	-	-	-	9.57	-	-	-
Avg. % of moisture content	9.51	-			9.47	-			9.57	-		
Dry unit weight in gms/cc	1.814	-			1.779	-			1.805	-		
% of compaction	99.94	-			98.02	-			99.45	-		

CBR DATA

Penetration in mm	Mould No.- 01					Mould No.-02					Mould No.-03				
	No. of Drivins	Proving Ring C.Factor	Load in Kgs.	Std. load in Kgs	CBR (%)	No. of Drivins	Proving Ring C.Factor	Load in Kgs.	Std. load in Kgs	CBR (%)	No. of Drivins	Proving Ring C.Factor	Load in Kgs.	Std. load in Kgs	CBR (%)
0.5	19	6.704	127.38			21	6.704	140.78			20	6.704	134.08		
1.0	46	6.704	308.38			48	6.704	321.79			46	6.704	308.38		
1.5	65	6.704	435.76			75	6.704	502.80			71	6.704	475.98		
2.0	82	6.704	549.73			96	6.704	643.58			90	6.704	603.36		
2.5	92	6.704	616.77	1370	45.02	111	6.704	744.14	1370	54.32	105	6.704	703.92	1370	51.38
3.0	100	6.704	670.40			124	6.704	831.30			115	6.704	770.96		
4.0	113	6.704	757.55			145	6.704	972.08			131	6.704	878.22		
5.0	125	6.704	838.00	2055	40.78	159	6.704	1065.94	2055	51.87	145	6.704	972.08	2055	47.30
7.5	152	6.704	1019.01			187	6.704	1253.65			175	6.704	1173.20		
10	173	6.704	1159.79			212	6.704	1421.25			204	6.704	1367.62		
12.5	187	6.704	1253.65			235	6.704	1575.44			230	6.704	1541.92		

Average CBR % @ 2.5 mm Penetration = 50.24 %

Average CBR % @ 5.0 mm Penetration = 46.65 %

CBR @ 98 % of MDD level	=	50.24 %
-------------------------	---	----------------

Soaked CBR = 35.17 %

Say, Soaked CBR = 35.00 %

Considered 70% of Before soaking

Reviewer
AECOM

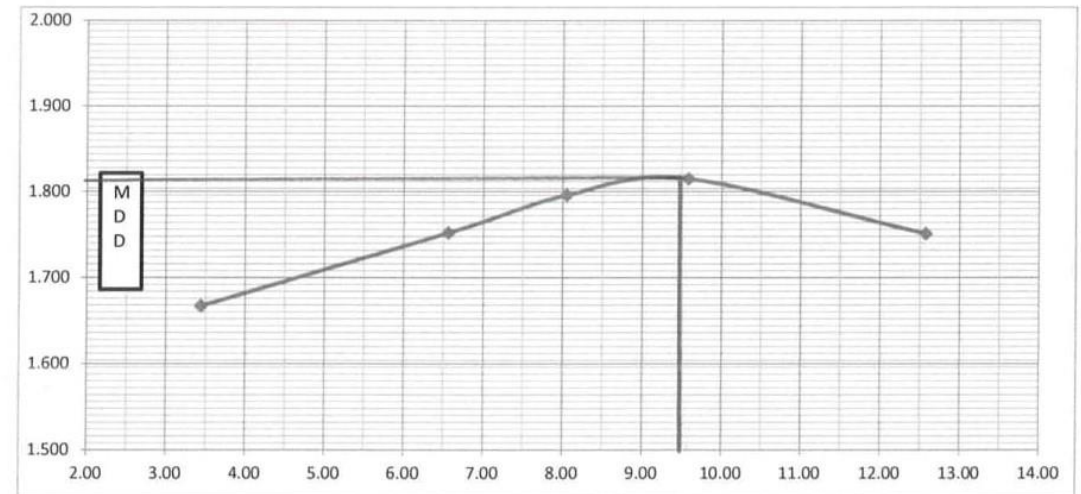
Approved
AECOM

Client :	Airports Authority Of India
Name OF Agency :	
Agreement No :	ENGG/ ED-SR/ GM(E-C)/ Chennai/ TB PH-II/ 2018/ 01

MDD&OMC using HEAVY COMPACTION TEST
(As per IS 2720 part 8)

Material Use for :	Date of Sampling : 25.09.2020
Source :	Date of Testing : 26.09.2020
Location : Trail Mix in site Lab	Layer : 5
Sample Description :	Type of Compaction : Heavy
Volume of Mould : 2250 CC	No. of Blows in each Layer :56 Blows
Weight of Rammer : 4.89 Kg.	Falling Height of Rammer : 450 mm

Sr. No.	Description	Moisture Increment - 1	Moisture Increment - 2	Moisture Increment - 3	Moisture Increment - 4	Moisture Increment
1	Weight of Mould (gm)	5758	5758	5758	5758	5758
2	Weight of Mould + Compacted wet soil (gm)	9637	9959	10126	10234	10192
3	Weight of compacted wet soil (gm) (2 - 1)	3879	4201	4368	4476	4434
4	Volume of Mould (cc)	2250	2250	2250	2250	2250
5	Wet Density (gm/cc) (3 / 4)	1.724	1.867	1.941	1.989	1.971
6	Container no	1	2	3	4	5
7	Weight of Container (gm)	17.05	16.84	16.81	16.95	12.59
8	Weight of container + wet soil (gm)	33.60	30.98	33.18	27.93	37.30
9	Weight of wet soil (gm) (8 - 7)	16.55	14.14	16.37	10.98	24.71
10	Weight of container + dry soil (gm)	33.05	30.11	31.96	26.97	34.54
11	Weight of dry soil (gm) (10 - 7)	16.00	13.27	15.15	10.02	21.95
12	Water content (gm) (8 - 10)	0.55	0.87	1.22	0.96	2.76
13	Moisture Content (%) {12/(11-7)x100}	3.44	6.56	8.05	9.58	12.57
14	Dry Density (gm/cc) {5 /1+(13/100)}	1.667	1.752	1.796	1.815	1.751



Moisture Content (%)

MDD : 1.815gm/c OMC : 9.58 %

Lab-incharge

Checked
AECOM

(VIVEKANANDA)

Reviewed
AECOM

AECOM

Approved
AECOM

AECOM

Lab-incharge

Checked
AECOM

Reviewed
AECOM

Approved
AECOM

CBR & SBC TEST REPORT



Estd : 1991

DAS MATERIAL TESTINGS PVT LTD

Accredited by NABL as per ISO / IEC 17025:2005

28, Velachery Road, Little Mount, Saidapet, Chennai - 600 015

Phone: 044 - 22354253, 22300163, 22300563

Email: dasmaterial@yahoo.com Web: www.dasmaterial.in

TEST REPORT

Page : 1/1

Report No. : 7501

Date : 20.08.2020

Customer:
M/s. L & T Constructions
Chennai Airport Site.

Customer's Reference : Letter Dated: 17.08.2020
Sample Received : 17.08.2020
Sample Tested : 18.08.2020 to 20.08.2020
*Project (Name of work) : Modernization of Chennai Airport (Phase-2)
*Sample Description : Soil
Location: FLB-03, Footing
Level: -5m

TEST ON SOIL

Test Conducted	Result Obtained
Depth (m) *	5.0
Ground Water Level (m) *	Nil
Layer	(SW-SM) Well graded sand with Gravel
Clay & Silt (%)	13.5
Sand (%)	58.4
Gravel (%)	28.1
Moisture Content (%)	6.84
Specific Gravity	2.528
Cohesion (Kgf/cm ²)	0
Angle Ø (deg)	33°26'
Nett Ultimate bearing capacity (t/m ²)	278.64
Factor of Safety	2.5
Safe bearing capacity (t/m ²)	120.446

Remarks:

*As furnished by the customer

The SBC value is only for the soil sample collected and submitted by the customer.

-End of Report

For DAS MATERIAL TESTINGS PVT LTD.

Brenno Damian, B.E., M.S.
Managing Director

For more information on our product sales and testing services, refer overleaf...



LARSEN & TOUBRO

Ref: L&T/CA/PII/2028/2020

Date: 24/08/2020

To

The General Manager (Engg-Project)

Airports Authority of India,

Modernization of Chennai Airport, Phase II

Chennai-600016

Sub: Modernization of Chennai Airport, Phase II-SBC Test report of FLB-03 Footing at Foundation level- Reg

Ref:1. ENGG/ED-SR/GM (EC)/Chennai/TB PH-II/2018/01, Dt: 11/07/2018

Dear Sir,

With reference to the above subject, please find the enclosed third party safe bearing capacity test report of FLB-03 footing at foundation level/ PCC bottom level (-5 mtr). Kindly note that third party testing for soil is not in contractor scope but as per the directive from your end the same has been carried out at extra cost and the results are attached for your approval.

The cost of the above work will be submitted shortly.

Yours faithfully

For LARSEN & TOUBRO LTD

(Anup Chulliyil)
Project Manager

Cc: The Project Director (AECOM)

Encl: 1. Third party soil test results of FLB-03 footing-1 page

Mr. Durairajan

24/8/20

Headquarters : Mount Poonamallee Road, Manapakkam, P.B.No. 979, Chennai - 600 089, India

Registered Office: L&T House, N.M.Marg, Ballard Estate, Mumbai -400 001, India

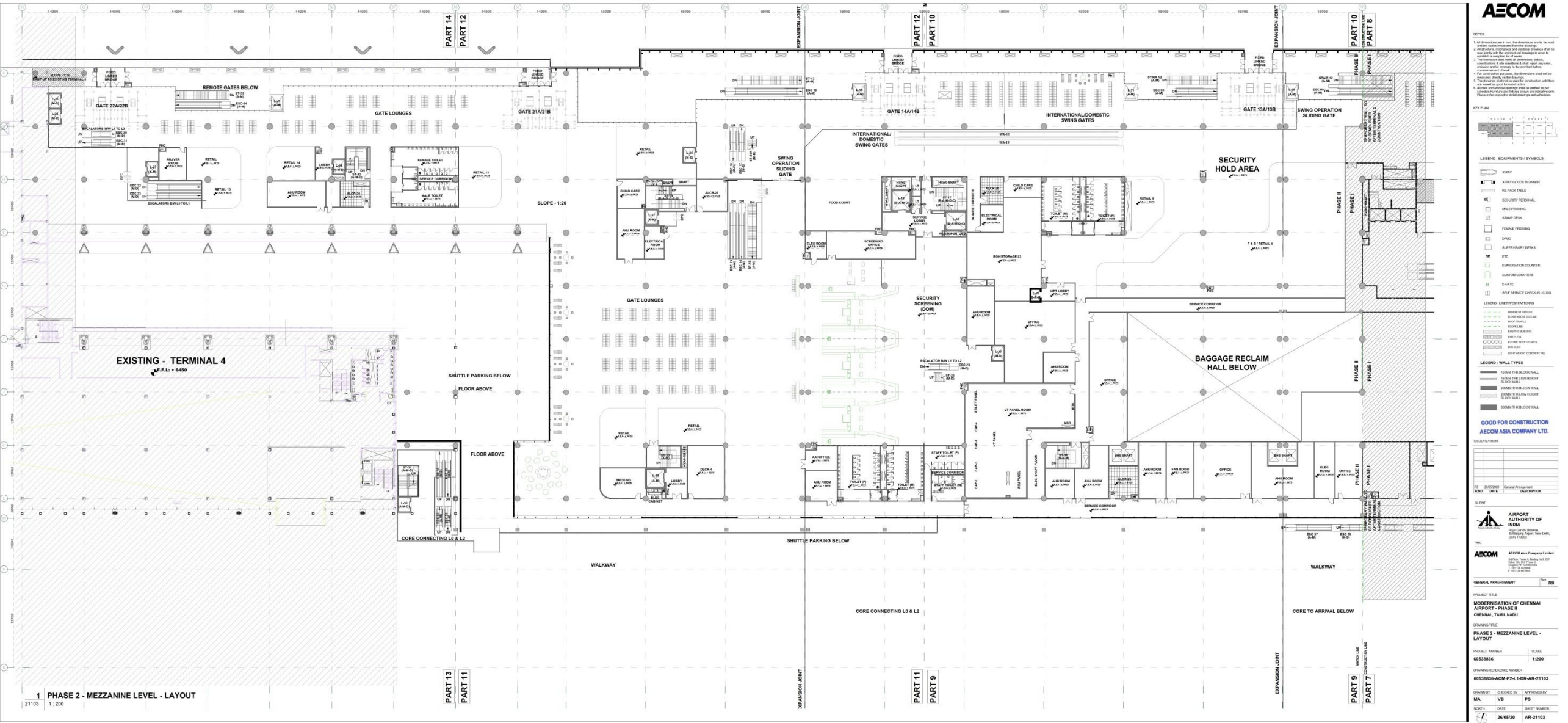
CIN: L99999MH1946PLC004768

L&T Construction - Buildings & Factories is a brand of Larsen & Toubro Limited

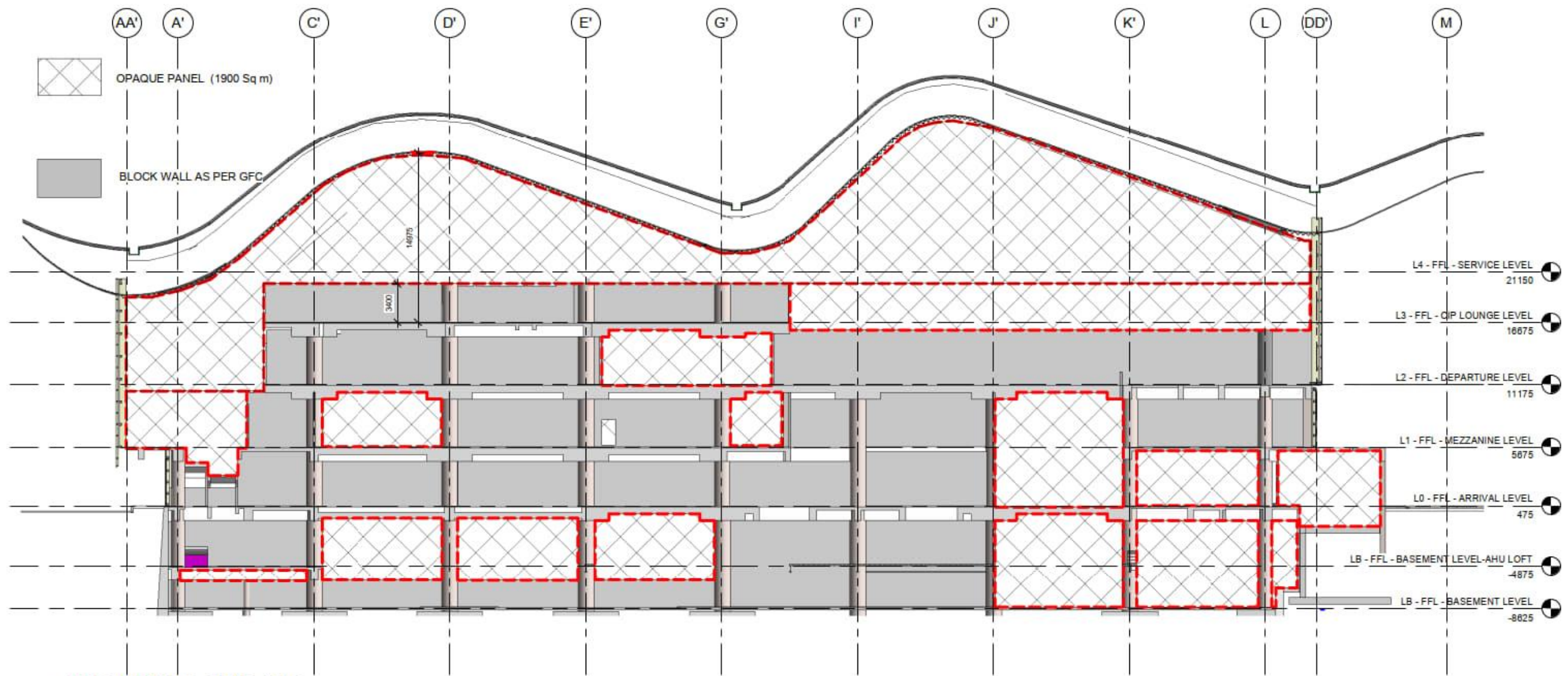


CBR & SBC TEST REPORT

Note: This report relates only to the particular sample(s) submitted for test * Any correction not attested shall invalidate this certificate * Sample will be destroyed after 15days from the date of issue of certificate unless instructed otherwise * Any complaints about this report should be communicated in writing within 7days of this report * This report should not be reproduced except in full and cannot be used as an evidence in a court of law and shall not be used in advertising media without prior permission in writing * Sample descriptions are not verified in all cases and is given as described by the customers * Samples are not drawn by us unless otherwise stated * Laboratory is not responsible for the authenticity of the photocopied test reports.



MEZZANINE LEVEL LAYOUT @ PHASE2



SECTION AT GRID 17T



1. All dimensions are in mm. the dimensions are to be read and not scaled/measured from the drawings.
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5. The drawings shall not be used for construction until they are issued as good for construction.
6. All door and window openings shall be verified as per schedule. Furniture and fixtures shown are indicative only. Please refer respective detail drawings and schedules.

[illegible]CLIENT

AECOM AECOM Asia Company Limited
3rd Floor, Tower A, Building No.8, DLF
Cyber City, DLF Phase II, Gurgaon,
HR-122002, India
T +91 124 4871400
F +91 124 4872849

GENERAL ARRANGEMENT	Rev:
---------------------	------

PROJECT TITLE

**Modernisation of Chennai Airport -
Phase II**

Chennai, Tamil Nadu.

DRAWING TITLE

ARRIVAL LEVEL - HVAC SHAFT

PROJECT NUMBER	SCALE
60538836	

DRAWING REFERENCE NUMBER

60538836-ACM-PH1-L0-DR-AR-SK-01

DRAWN BY	CHECKED BY	APPROVED BY
RT	VB	MG
NORTH	DATE	SHEET NUMBER
	15/12/2021	AR-SK-01

HVAC SHAFT ROUTE @ ARRIVAL LEVEL

NOTES:
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7. The drawings shall not be used for construction until they are issued as per the construction schedule and shall be used as per the construction schedule.
8. The drawings shall not be used for construction until they are issued as per the construction schedule and shall be used as per the construction schedule.
9. The drawings shall not be used for construction until they are issued as per the construction schedule and shall be used as per the construction schedule.
10. The drawings shall not be used for construction until they are issued as per the construction schedule and shall be used as per the construction schedule.



ISSUE/REVISION

REV	DATE	DESCRIPTION
R1	24/10/2018	Phase 1 Extension
R2	09/09/2018	Good For Construction

CLIENT



PMO

AECOM Asia Company Limited

GOOD FOR CONSTRUCTION

PROJECT TITLE

MODERNISATION OF CHENNAI AIRPORT - PHASE II

CHENNAI, TAMIL NADU

DRAWING TITLE

OVERALL BUILDING ELEVATION - PHASE I EXTENSION

PROJECT NUMBER

6053836

DRAWING REFERENCE NUMBER

6053836-ACM-CP-XX-DR-AR-02101

DRAWN BY

KKU PS MG

CHECKED BY

MG

APPROVED BY

MG

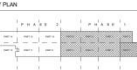
DATE

24/10/18

SHEET NUMBER

AR-02101

NOTES:
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ISSUE/REVISION

REV	DATE	DESCRIPTION
R1	24/10/2018	Phase 1 Extension
R2	09/09/2018	Good For Construction

CLIENT



PMO

AECOM Asia Company Limited

GOOD FOR CONSTRUCTION

PROJECT TITLE

MODERNISATION OF CHENNAI AIRPORT - PHASE II

CHENNAI, TAMIL NADU

DRAWING TITLE

OVERALL BUILDING SECTIONS - PHASE I EXTENSION

PROJECT NUMBER

6053836

DRAWING REFERENCE NUMBER

6053836-ACM-CP-XX-DR-AR-02201

DRAWN BY

KKU PS MG

CHECKED BY

MG

APPROVED BY

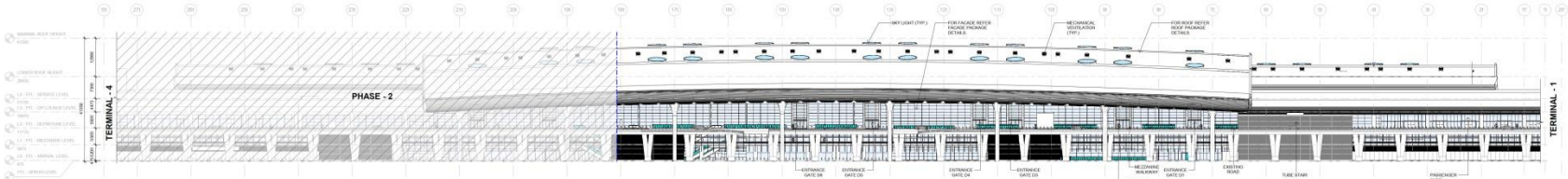
MG

DATE

24/10/18

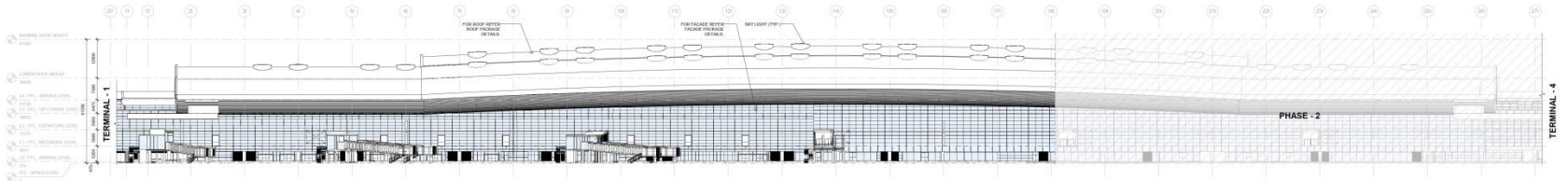
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AR-02201



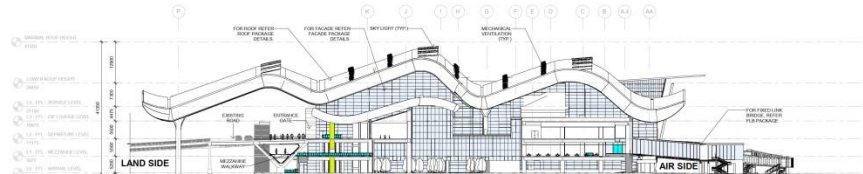
1 Elevation - A (LANDSIDE)

02101 1:500



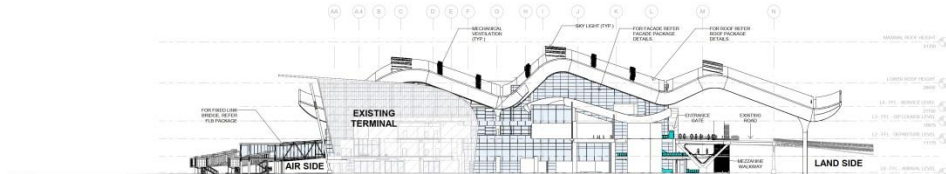
2 Elevation - B (AIRSIDE)

02101 1:500



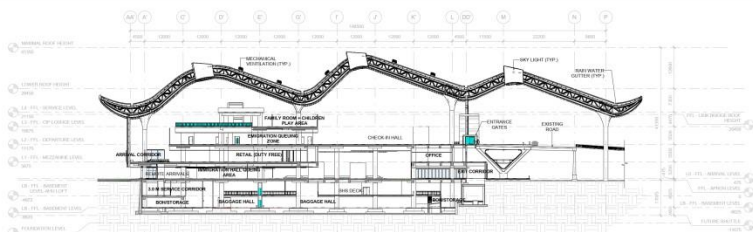
3 Elevation - C (SIDE ELEVATION)

02101 1:500



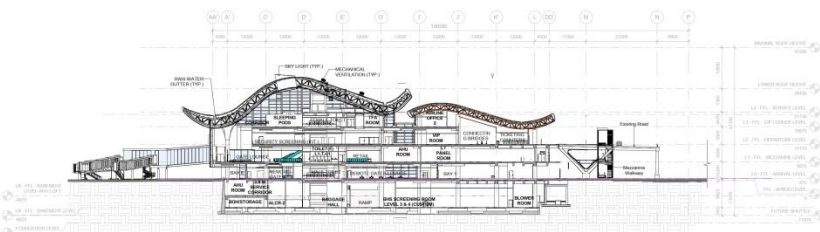
4 Elevation - D (SIDE ELEVATION)

02101 1:500



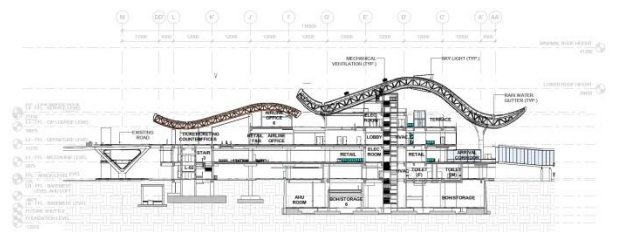
01 SECTION - 02

02201 1:500



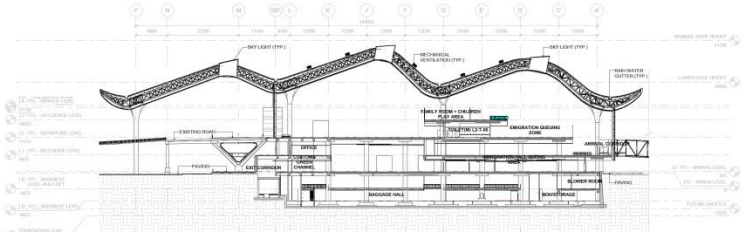
02 SECTION-03

02201 1:500



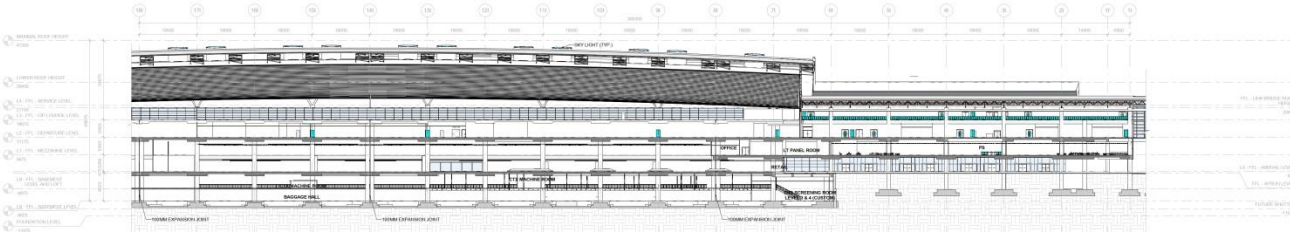
03 SECTION - 06

02201 1:500



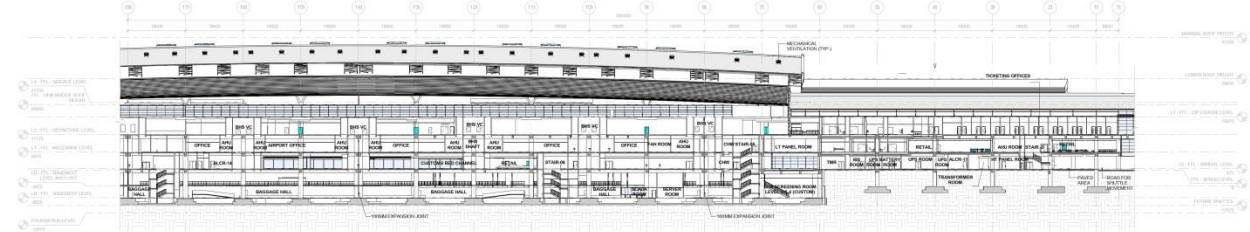
04 SECTION - 04

02201 1:500



05 SECTION - 05

02201 1:500



06 SECTION - 10

02201 1:500

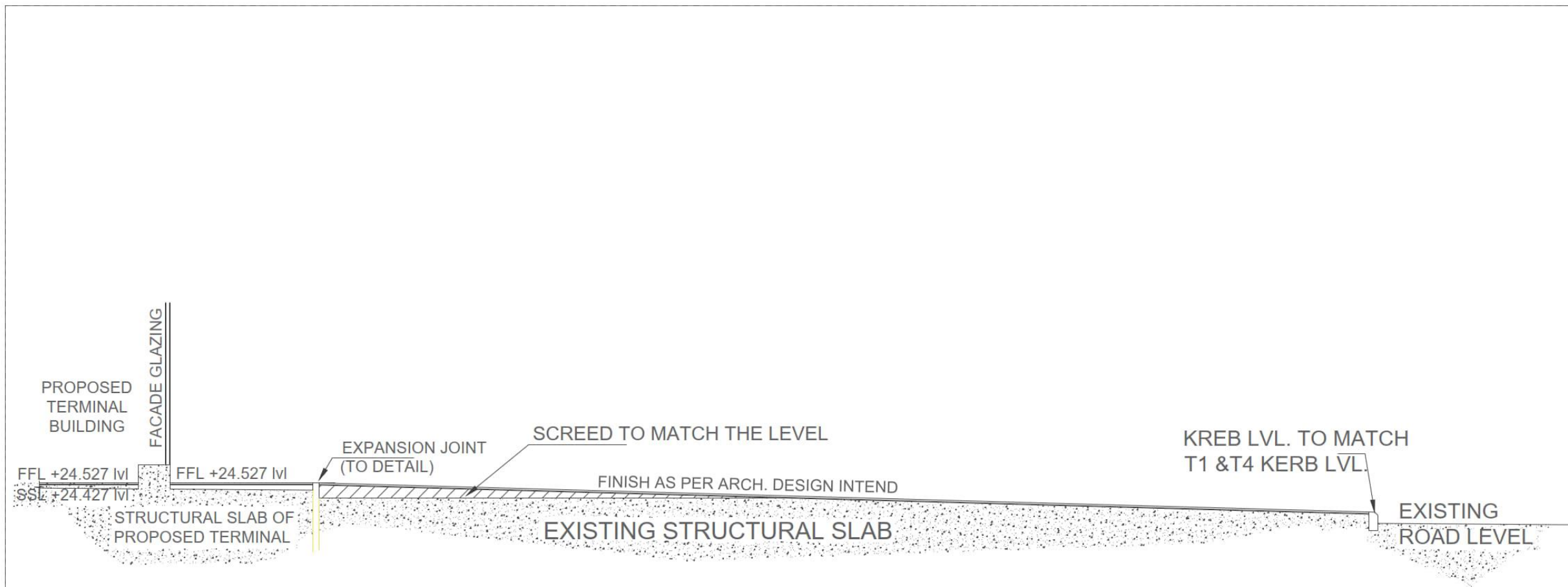
OVERALL ELEVATIONS & SECTIONS



THIS DRAWING TO BE READ IN CONJUNCTION WITH OTHER SERVICE DRAWINGS
NOT LIMITED TO MEP / IT / AS / CCTV / SIGNAGE / PHE

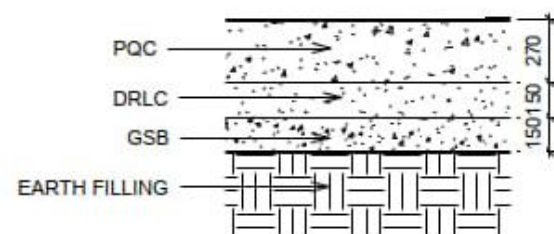
©2016 AECOM Corporation

ROAD NETWORK DIAGRAM



Prepared By: R TAMIL SELVAN	Approved BY:	TITLE : DEPARTURE LEVEL- TYPICAL KERB DETAIL	Client:	Airports Authority of India	
			PMC :	AECOM Asia Company Limited	
			Drawing No:	60538836-ACM-CHE-ROAD WORK-TP. DETAIL -02	
			Scale :	1:1 (All Dimensions are in 'mm')	Date : 24th Dec '2021

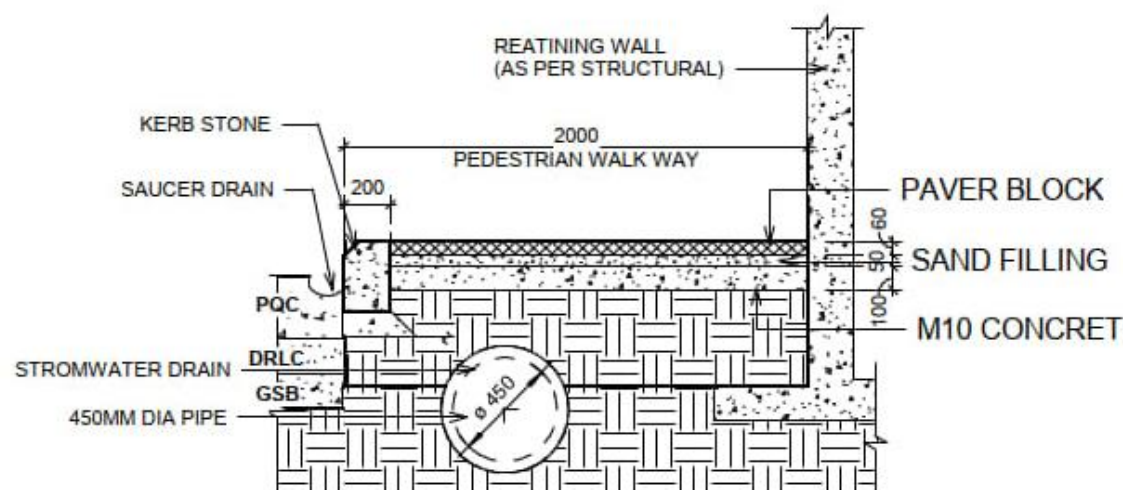
KERB AREA DETAIL @ DEPARTURE LEVEL



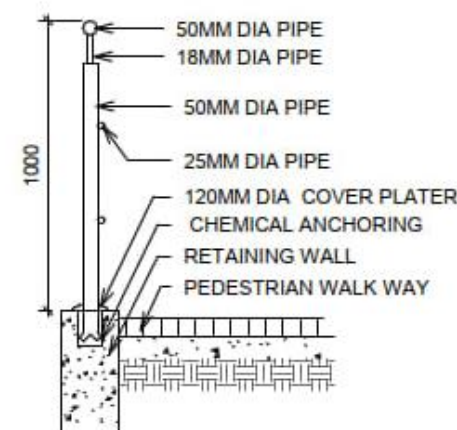
1 TYPICAL CROSS SECTION -
CONCRETE ROAD
1 : 25



2 TYPICAL CROSS SECTION -
BITUMINOUS ROAD
1 : 25



3 TYPICAL PEDESTRIAN WALK WAY
1 : 25



4 RAILING DETAIL
1 : 20

NOTES:

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ISSUE/REVISION

R.NO	DATE	DESCRIPTION

CLIENT



**AIRPORT
AUTHORITY OF
INDIA**

PMC

Rajiv Gandhi Bhawan,
Safdarjung Airport, New Delhi,
Delhi 110003



AECOM Asia Company Limited

3rd Floor, Tower A, Buiding No.8, DLF
Cyber City, DLF Phase II,
Gurgaon, HR-122002, India
T +91 124 4871400
F +91 124 4872649

GOOD FOR CONSTRUCTION

Rev **R0**

PROJECT TITLE

**MODERNISATION OF CHENNAI
AIRPORT - PHASE II
CHENNAI , TAMIL NADU**

DRAWING TITLE

TYPICAL CROSS SECTIONS

PROJECT NUMBER SCALE

60538836

DRAWING REFERENCE NUMBER

60538836-ACM-EXT-00-DR-AR-60015

DRAWN BY CHECKED BY APPROVED BY

Author Checker Approver

NORTH DATE SHEET NUMBER



12/06/21

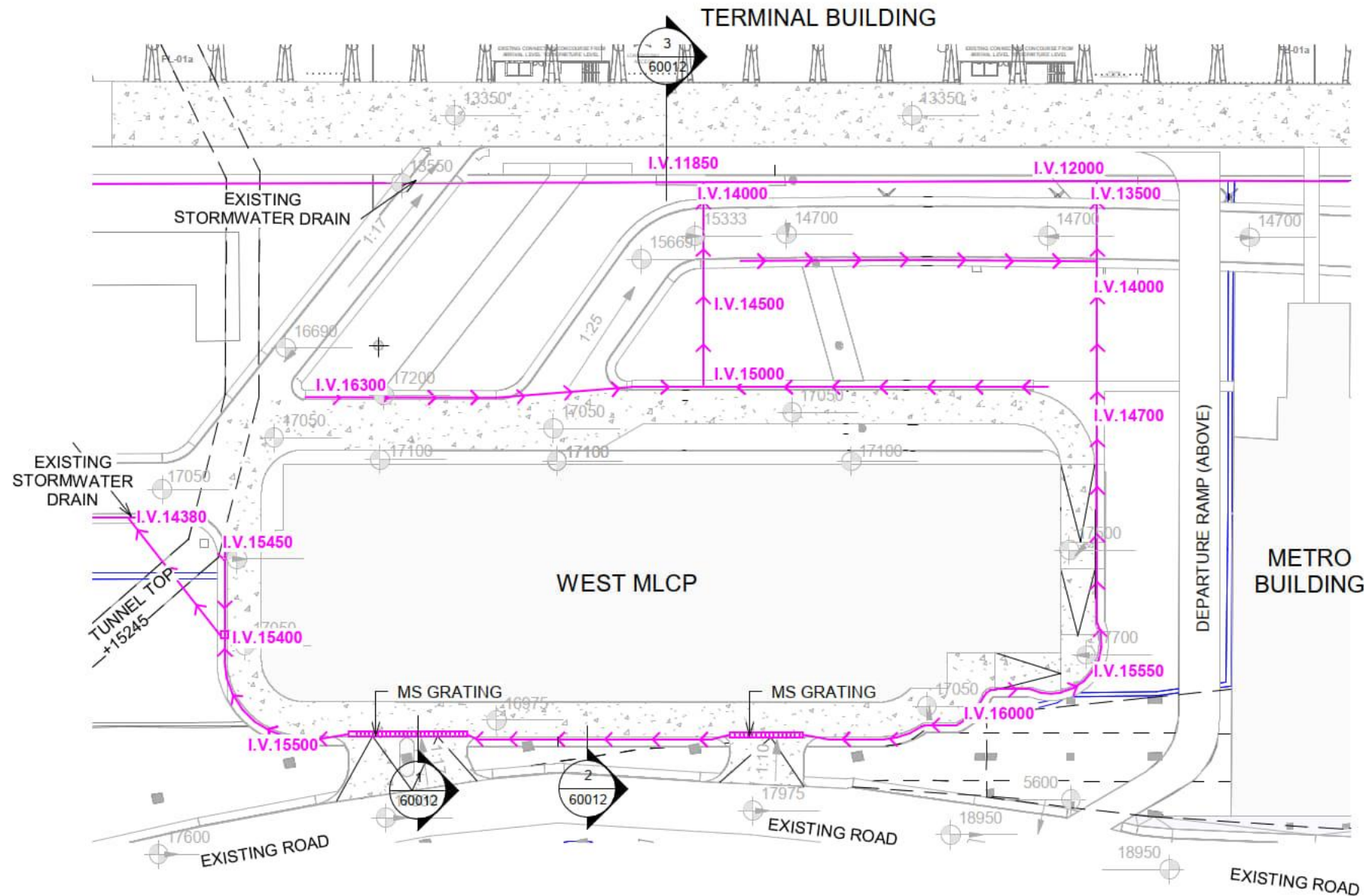
AR-60015

CROSS SECTIONS OF ROAD LAYERS



AR-60014

STORM WATER LAYOUT NEAR EAST MLCP



WEST MLCP -STORMWATER DRAIN
1 : 1000

NOTES:

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GOOD FOR CONSTRUCTION

Rev
R0

PROJECT TITLE

**MODERNISATION OF CHENNAI
AIRPORT - PHASE II
CHENNAI , TAMIL NADU**

DRAWING TITLE

**WEST MLCP STORMWATER DRAIN
LAYOUT**

PROJECT NUMBER	SCALE
60538836	1:1000
DRAWING REFERENCE NUMBER	

60538836-ACM-EXT-00-DR-AR-60013

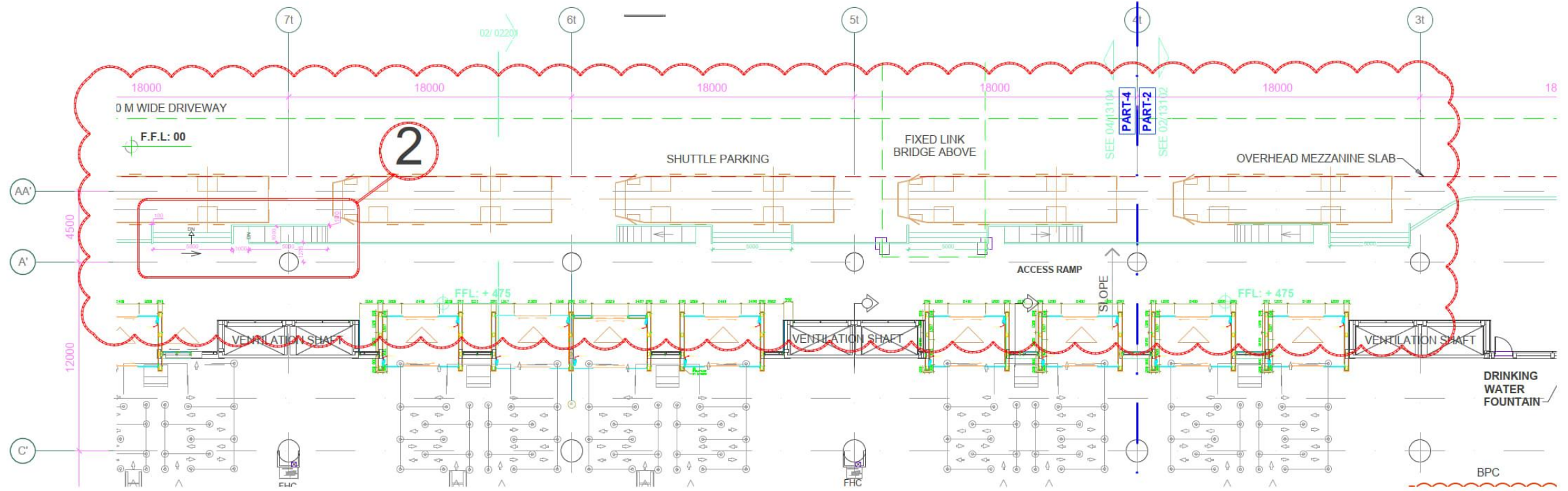
DRAWN BY	CHECKED BY	APPROVED BY
BK	SNJ	SK
NORTH	DATE	SHEET NUMBER



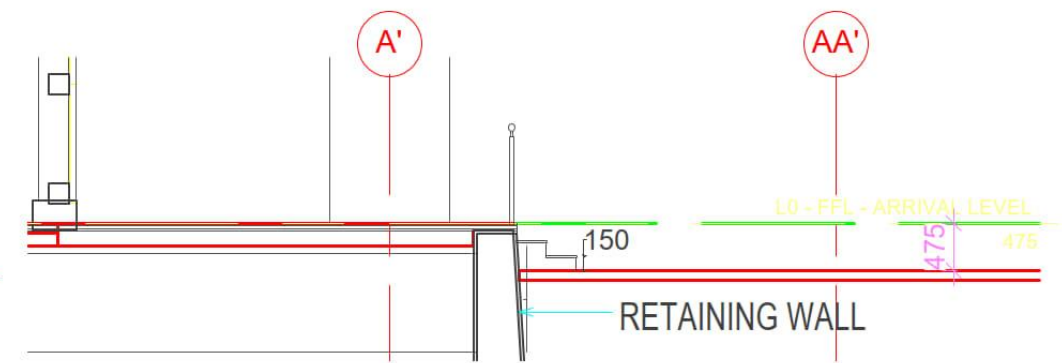
10/19/21

AR-60013

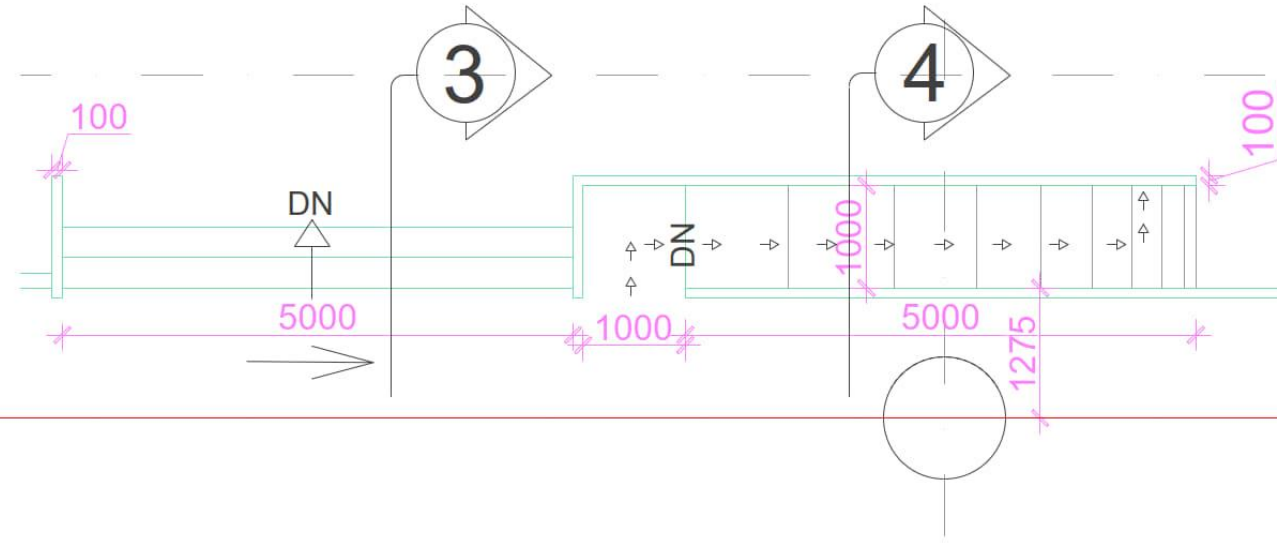
STORM WATER LAYOUT NEAR WEST MLCP



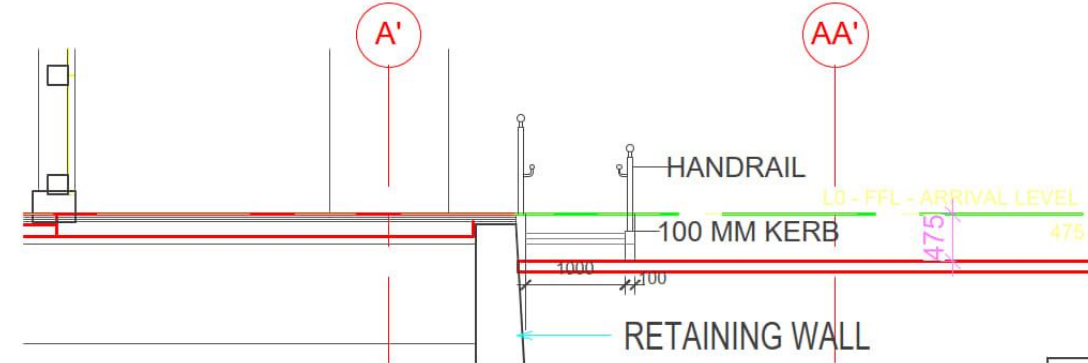
1 ARRIVAL LEVEL PART PLAN



3 SECTION @ STEPS



2 ARRIVAL LEVEL AIR SIDE KERB DETAIL



4 SECTION @ RAMP

ARRIVAL LEVEL AIRLOCK CORRIDOR

NOTES:

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R.NO	DATE	DESCRIPTION

CLIENT



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Delhi 110003

PMC



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Gurgaon, HR-122002, India
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GOOD FOR CONSTRUCTION

Rev: **R0**

PROJECT TITLE

**MODERNISATION OF CHENNAI
AIRPORT - PHASE II
CHENNAI, TAMIL NADU**

DRAWING TITLE

STORMWATER DRAIN DETAILS

PROJECT NUMBER

SCALE

60538836

DRAWING REFERENCE NUMBER

60538836-ACM-EXT-00-DR-AR-60012

DRAWN BY

CHECKED BY

APPROVED BY

Author

Checker

Approver

NORTH

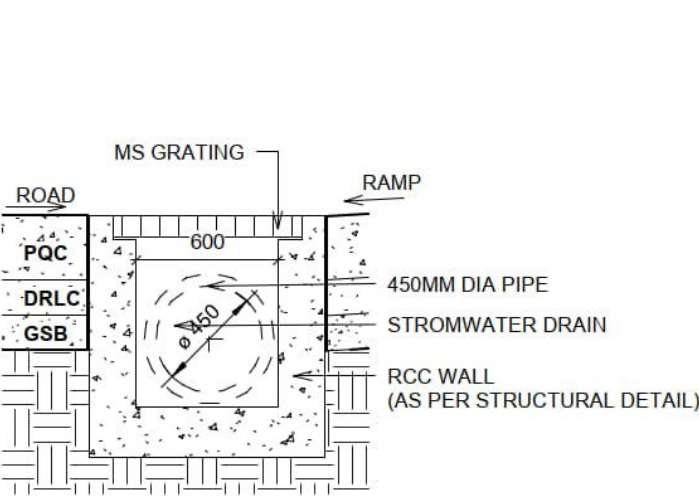
DATE

SHEET NUMBER



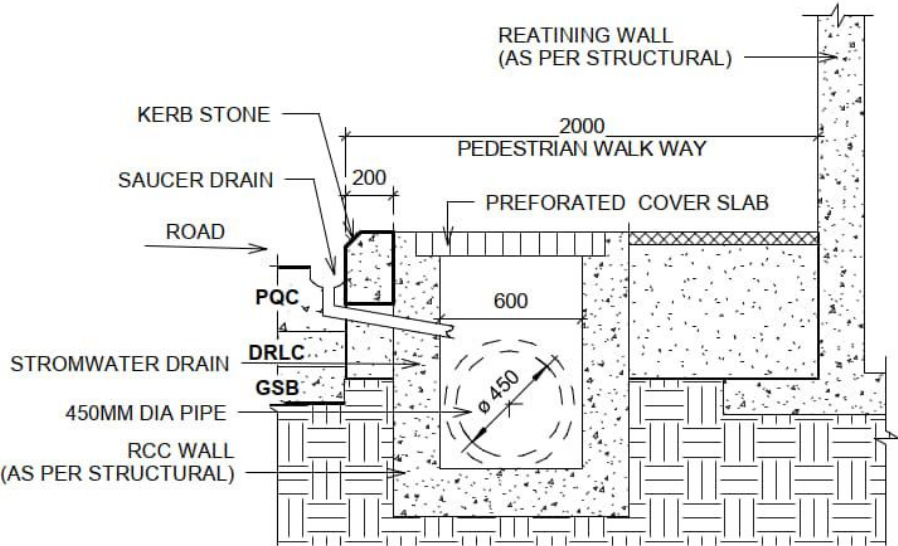
10/19/21

AR-60012



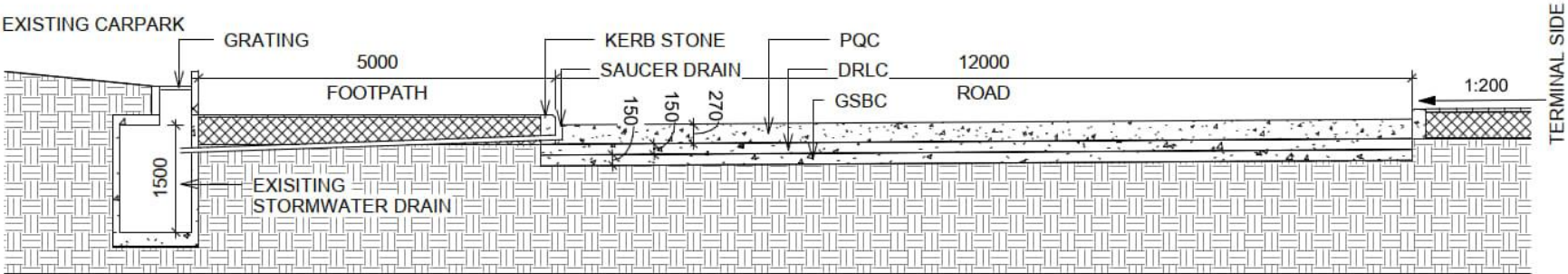
MS GRATING DETAIL

1 : 25



PERFORATED COVER SLAB DETIAL

1 : 25

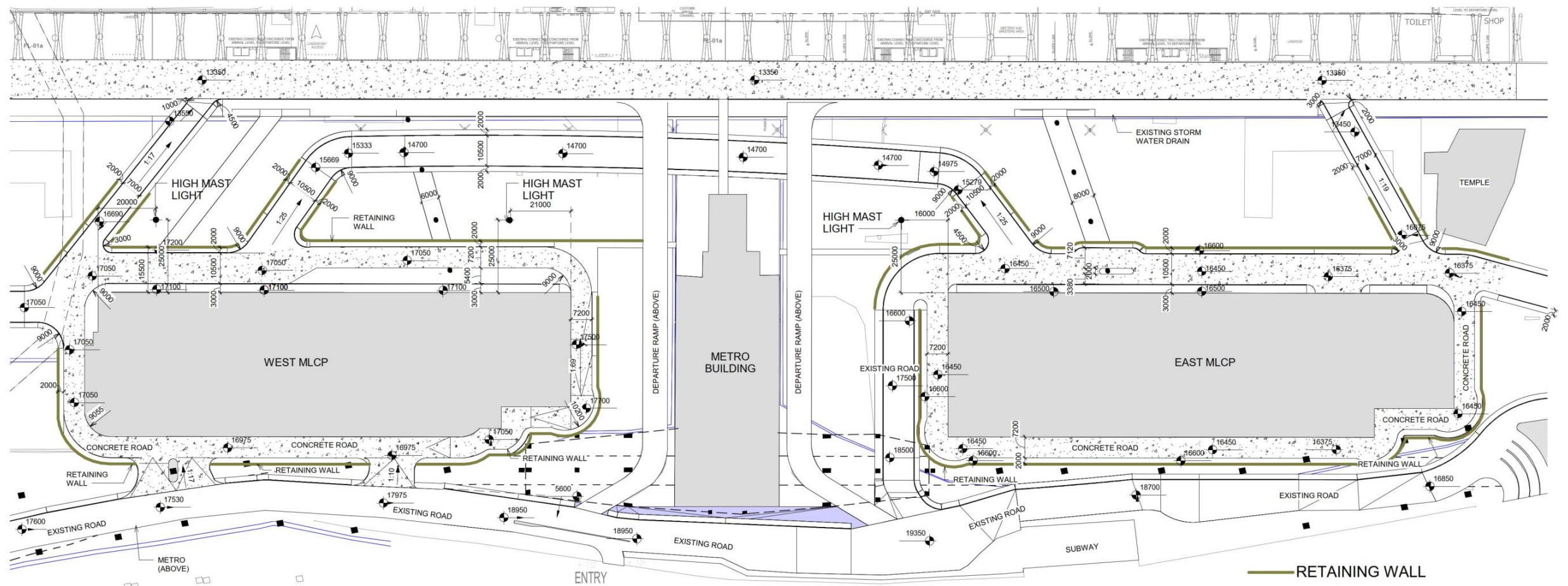


CROSS SECTION OF TERMINAL ROAD

CROSS SECTION -TERMINAL ROAD

1 : 75

STORM WATER DRAIN DETAILS



RETAINING WALL AREAS LAYOUT

NOTES:

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LEGEND:

	COMPOUND WALL
	STORMWATER DRAIN
	LANDSCAPE AREA

ISSUE/REVISION

R.NO	DATE	DESCRIPTION

CLIENT

	Airport Authority of India Chennai, Tamil Nadu
--	---

PMC

	AECOM Asia Company Limited 3rd Floor, Tower A, Building No.8, DLF Cyber City, DLF Phase II, Gurgaon, HR-122002, India T: +91 124 4871400 F: +91 124 4872849
--	--

GOOD FOR CONSTRUCTION	Rev: 0
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PROJECT TITLE

Modernisation of Chennai Airport - Phase II

Chennai, Tamil Nadu

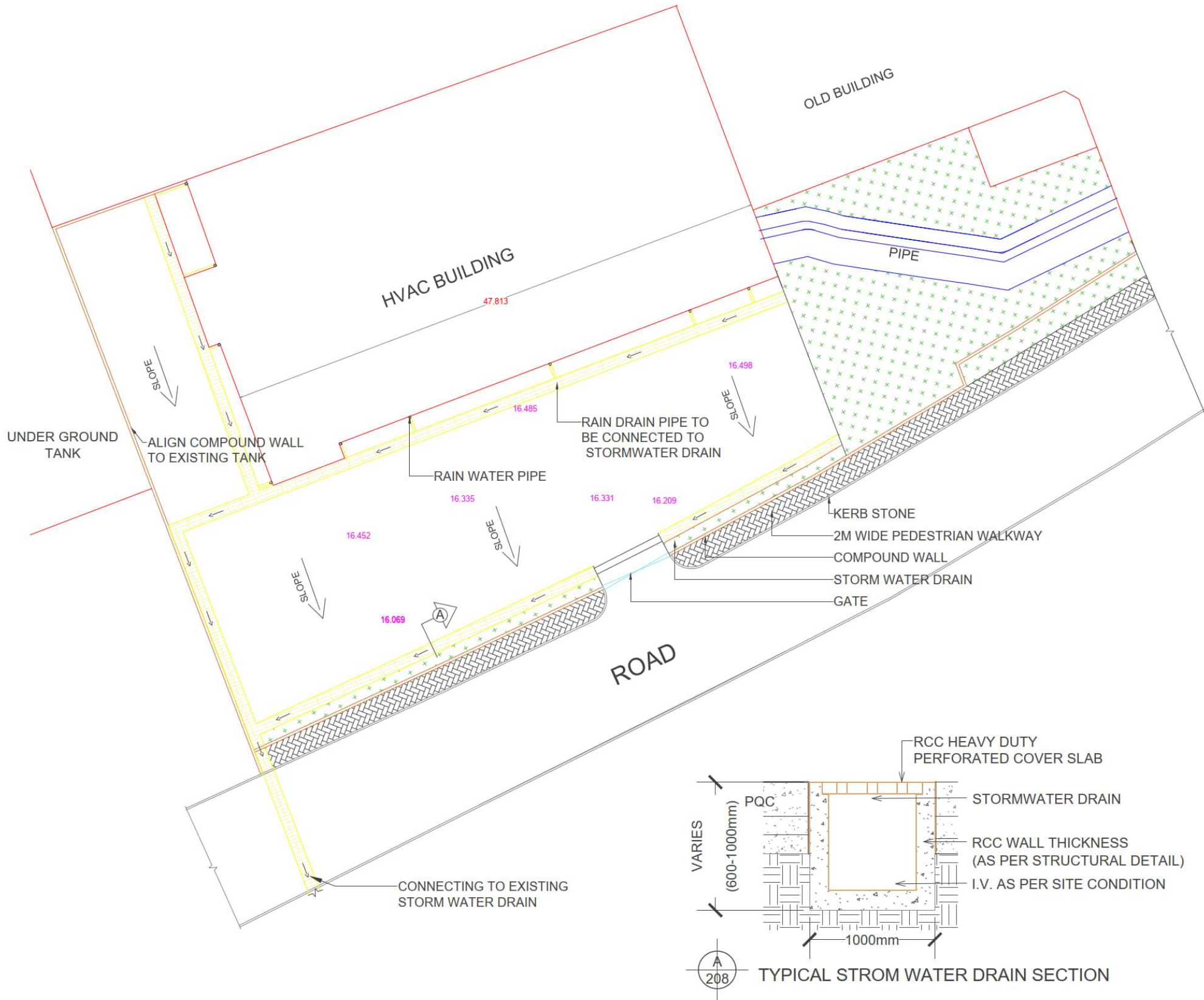
DRAWING TITLE

HVAC BUILDING - EXTERNAL DEVELOPMENT

PROJECT NUMBER	SCALE
	NTS

DRAWING REFERENCE NUMBER

DRAWN BY	CHECKED BY	APPROVED BY
RT	BK	SE
NORTH	DATE	SHEET NUMBER
	30/12/2021	208



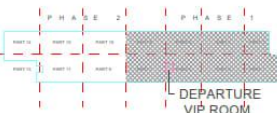
STORM WATER LAYOUT NEAR HVAC BUILDING

NOTES:

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LEGEND:

- Low height partition
- Full height partition
- Full height partition Digital printed glass



ISSUE/REVISION

R.NO	DATE	DESCRIPTION
R2	13/08/2021	Revised as per site conditions
R1	18/09/2020	GOOD FOR CONSTRUCTION
R.NO	DATE	DESCRIPTION

CLIENT

Airport Authority of India

Chennai, Tamil Nadu

PMC

AECOM

AECOM Asia Company Limited
3rd Floor, Tower A, Building No.8, DLF Cyber City, DLF Phase II, Gurgaon, HR-122002, India
T +91 124 4871400 F +91 124 4872649

GOOD FOR CONSTRUCTION

Rev: R2

PROJECT TITLE

Modernisation of Chennai Airport - Phase II
Chennai, Tamil Nadu

DRAWING TITLE

DEPARTURE LEVEL_VIP ROOM FLOOR PLAN

PROJECT NUMBER	SCALE
60538836	1:50

DRAWING REFERENCE NUMBER

60538836-ACM-T2-L2-DR-IN-911

DRAWN BY	CHECKED BY	APPROVED BY
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LP PK VA

NORTH	DATE	SHEET NUMBER
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16/09/2020 IN-911



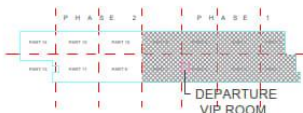
VIP LOBBY FLOOR PLAN @ DEPARTURE LEVEL

NOTES:

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LEGEND:

- Dark Empredor
- Italian marble



ISSUE/REVISION

R.NO	DATE	DESCRIPTION
R2	13/08/2021	Revised as per site conditions
R1	18/09/2020	GOOD FOR CONSTRUCTION

CLIENT

Airport Authority of India

Chennai, Tamil Nadu

PMC



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GOOD FOR CONSTRUCTION Rev: R2

PROJECT TITLE

Modernisation of Chennai Airport - Phase II
Chennai, Tamil Nadu

DRAWING TITLE

DEPARTURE LEVEL_VIP ROOM FLOORING LAYOUT

PROJECT NUMBER SCALE
60538836 1:50

DRAWING REFERENCE NUMBER

60538836-ACM-T2-L2-DR-IN-911

DRAWN BY CHECKED BY APPROVED BY
LP PK VA

NORTH DATE SHEET NUMBER

16/09/2020 IN-911

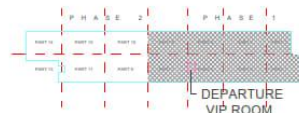
VIP LOBBY FLOOR LAYOUT @ DEPARTURE LEVEL

NOTES:

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LEGEND:

- WALL PAPER
- WOODEN VENEER PANEL
- KHADI SILK PANELLING
- SS CLADDING (for columns)



ISSUE/REVISION

R.NO	DATE	DESCRIPTION
R2	13/08/2021	Revised as per site conditions
R1	18/09/2020	GOOD FOR CONSTRUCTION

CLIENT

Airport Authority of
India

Chennai, Tamil Nadu

PMC

AECOM

AECOM Asia Company Limited
3rd Floor, Tower A, Building No.8, DLF
Cyber City, DLF Phase II, Gurgaon,
HR-122002, India
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F +91 124 4872649

GOOD FOR CONSTRUCTION

Rev: R2

PROJECT TITLE

Modernisation of Chennai Airport -
Phase II
Chennai, Tamil Nadu

DRAWING TITLE

DEPARTURE LEVEL_VIP ROOM WALL
CLADDING LAYOUT

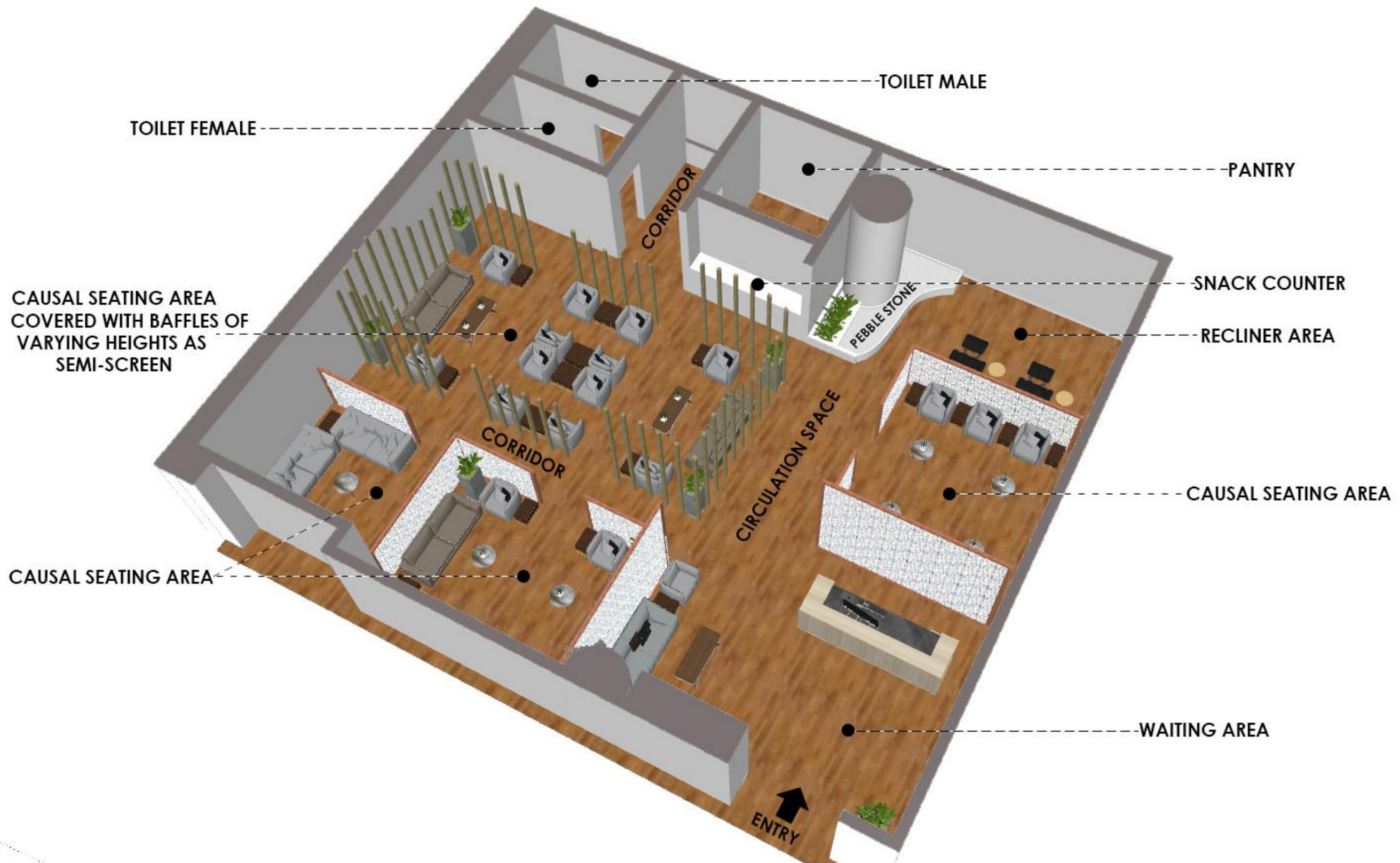
PROJECT NUMBER	SCALE
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DRAWING REFERENCE NUMBER

60538836-ACM-T2-L2-DR-IN-911

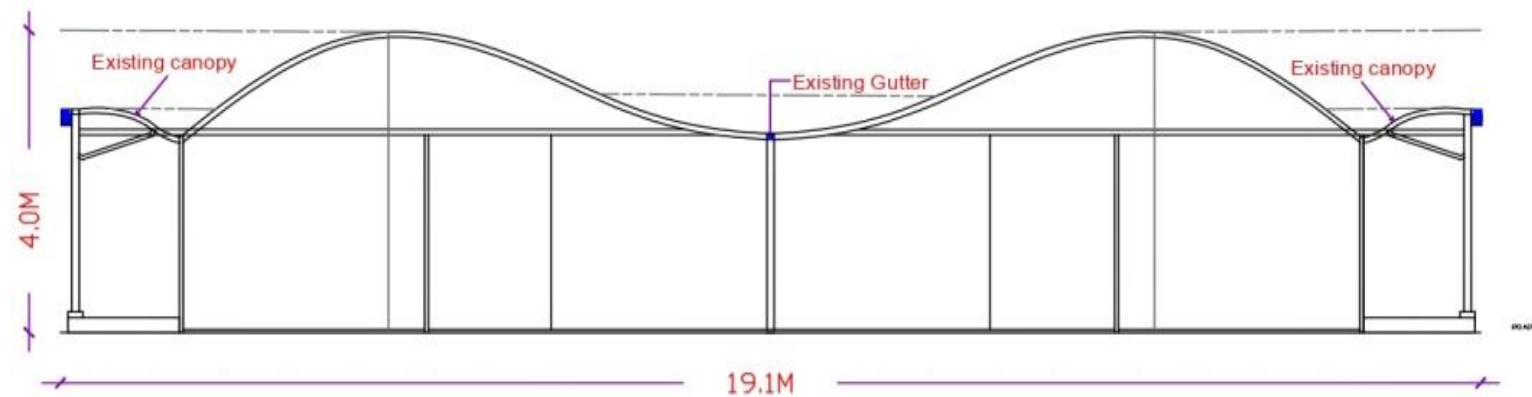
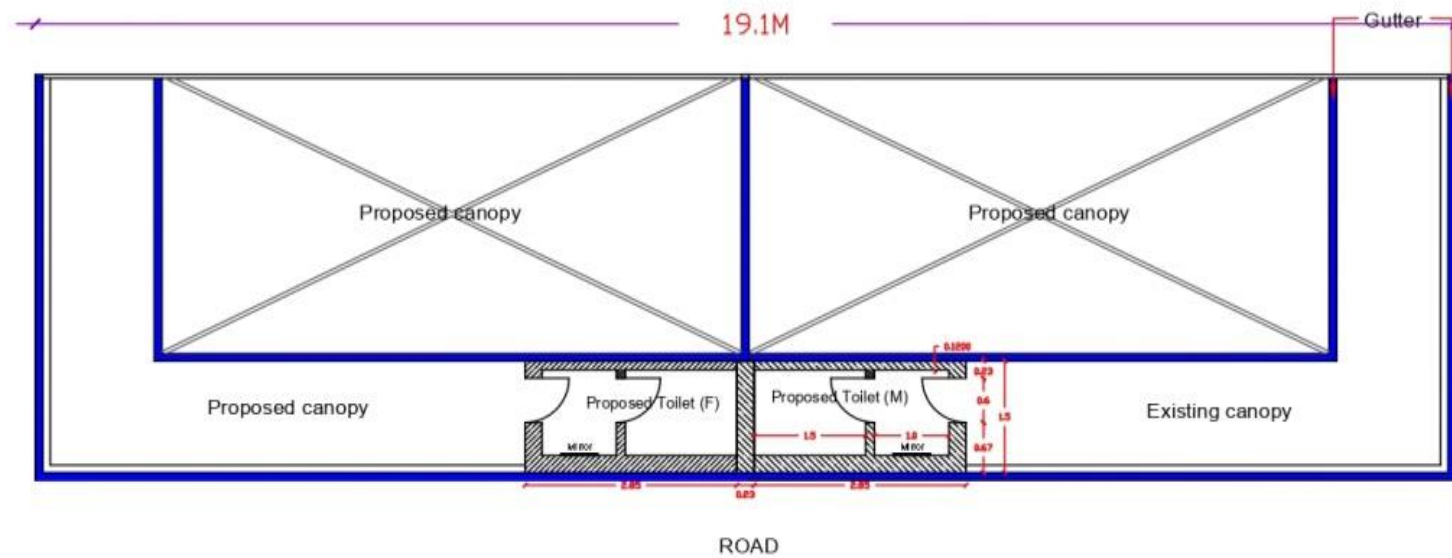
DRAWN BY	CHECKED BY	APPROVED BY
LP	PK	VA
NORTH	DATE	SHEET NUMBER
	16/09/2020	IN-911

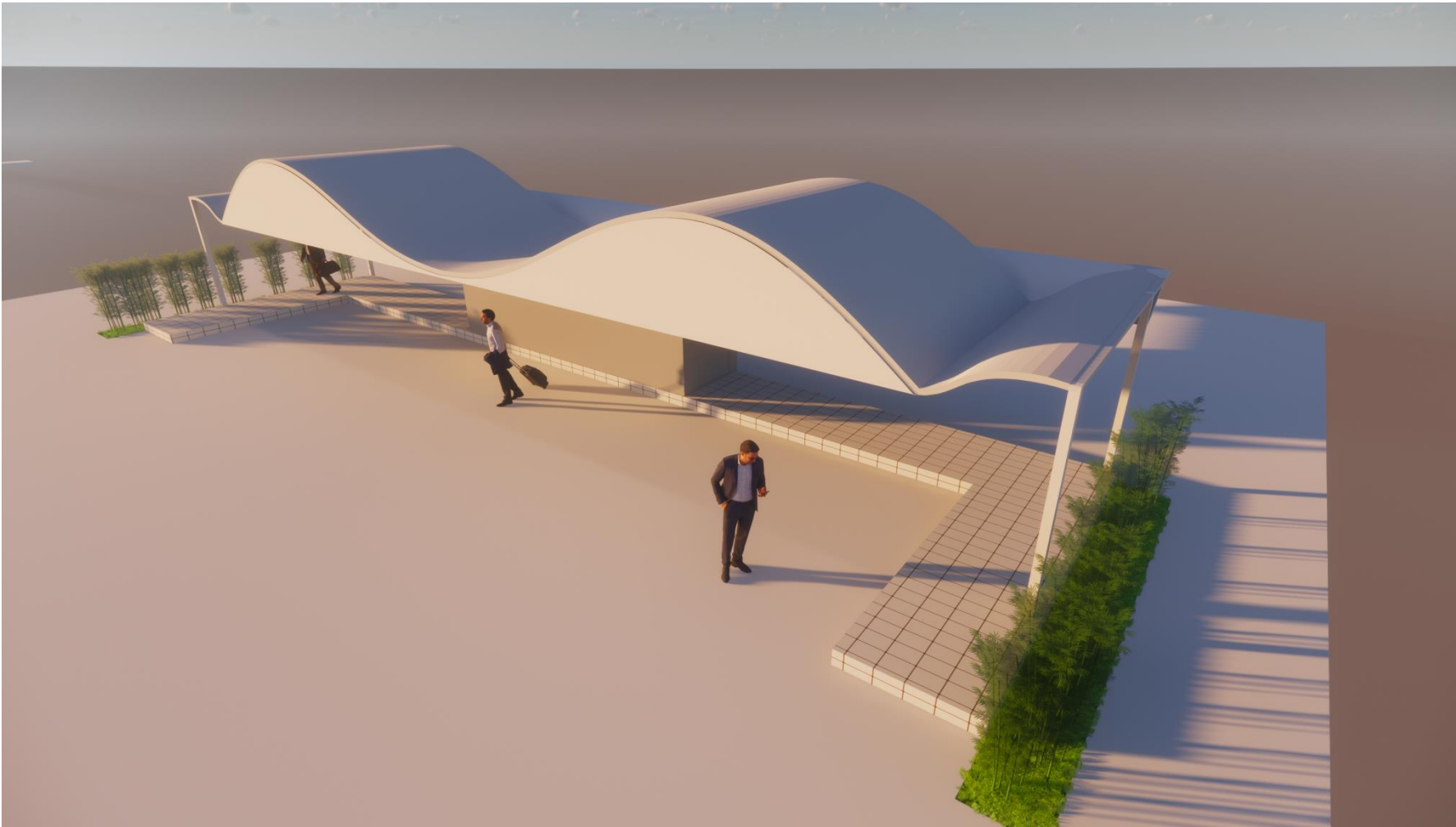
VIP LOBBY WALL CLADDING LAYOUT @ DEPARTURE LEVEL



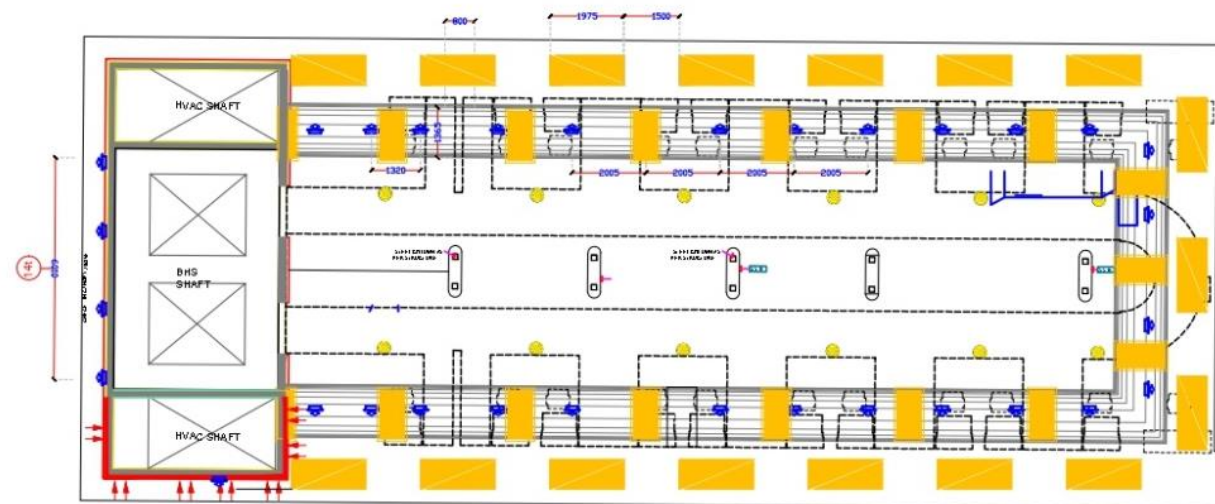
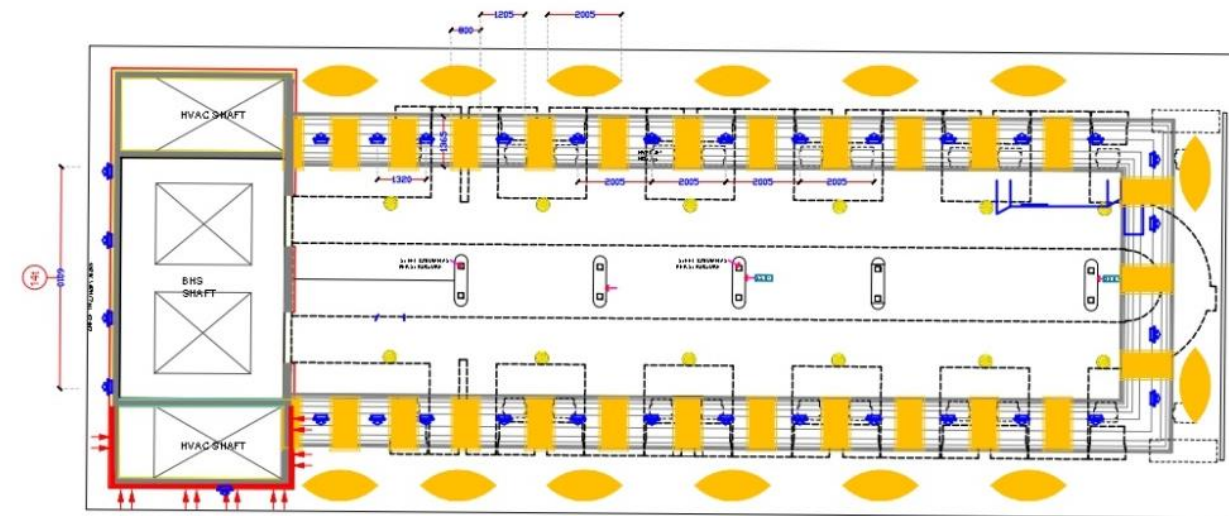
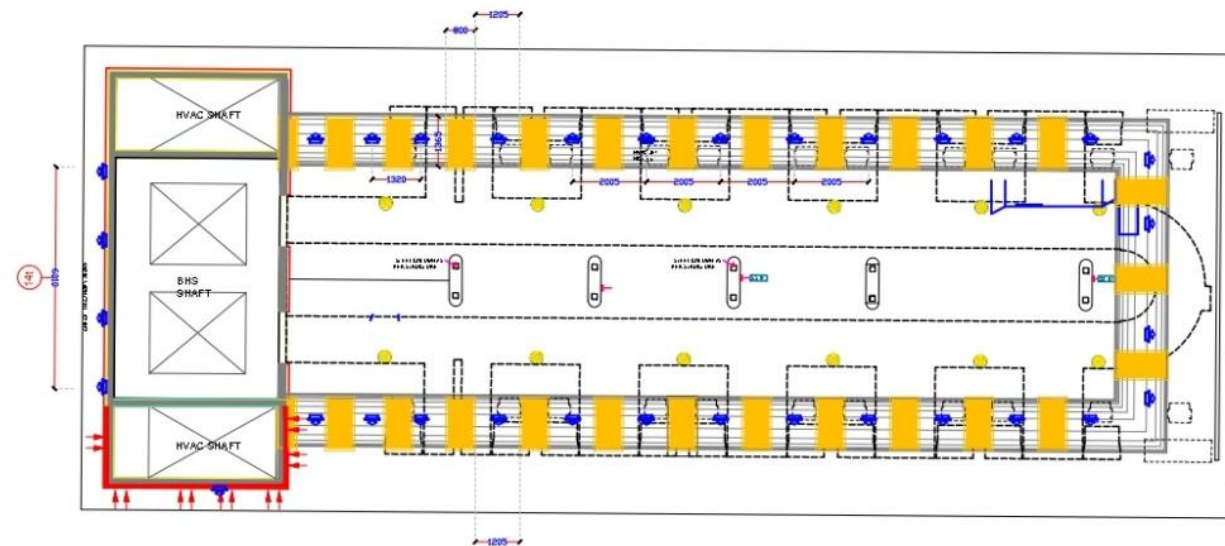
VIP LOBBY 3D VIEW @ DEPARTURE LEVEL

VIP CANOPY - PLAN





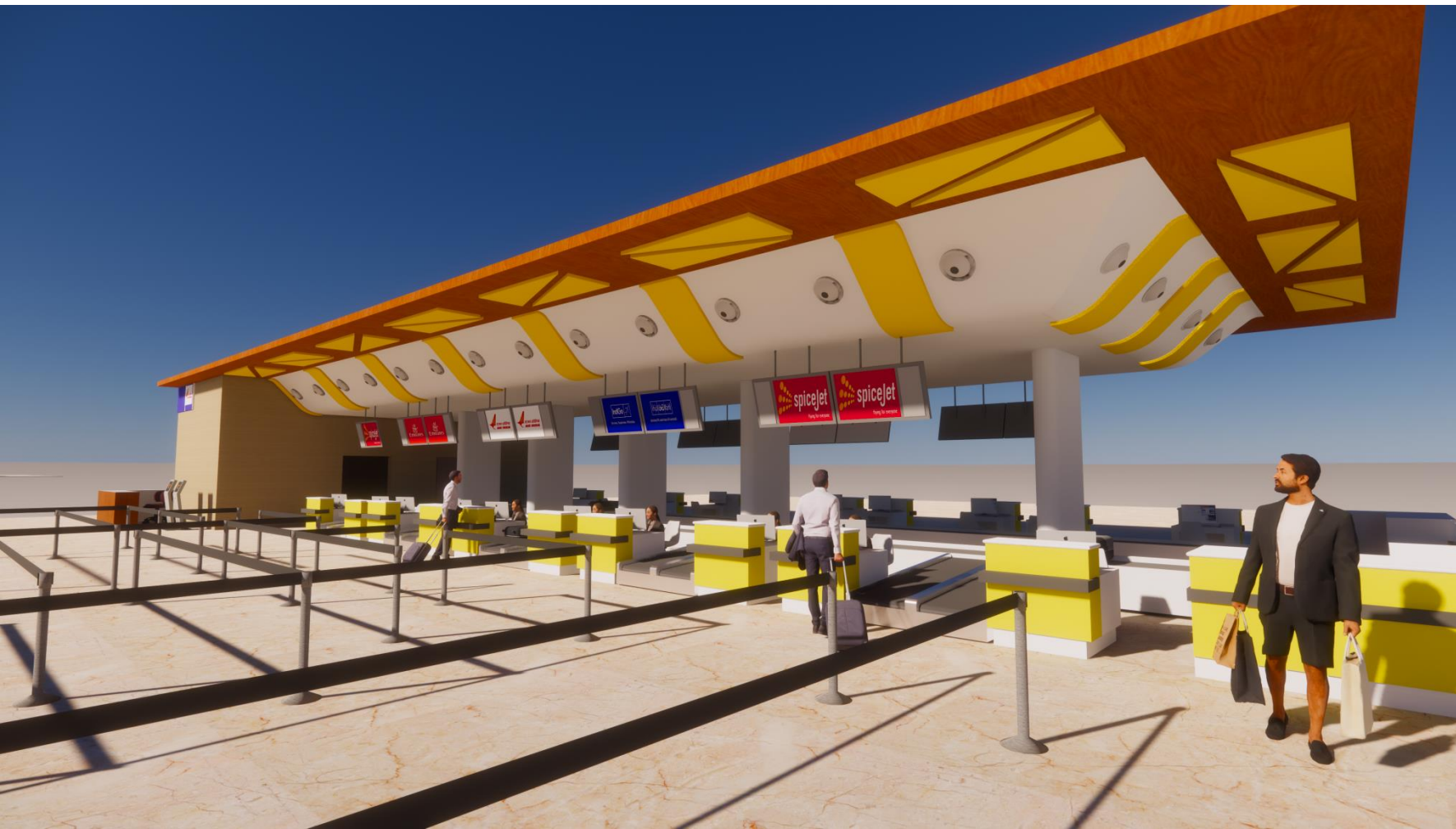
VIP SHYAMIYANA 3D VIEW @ DEPARTURE LEVEL



CHECKIN CANOPY LIGHTING DETAIL 3D VIEW @ DEPARTURE LEVEL



CHECKIN CANOPY LIGHTING DETAIL 3D VIEW @ DEPARTURE LEVEL



CHECKIN CANOPY
LIGHTING DETAIL 3D
VIEW @ DEPARTURE
LEVEL



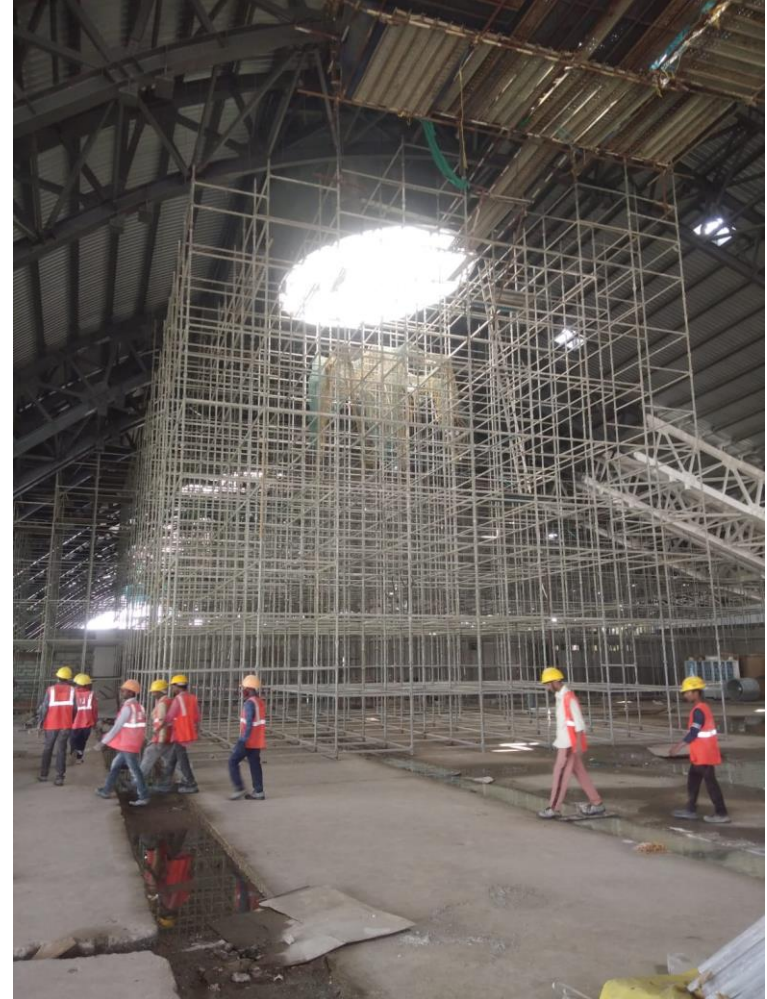


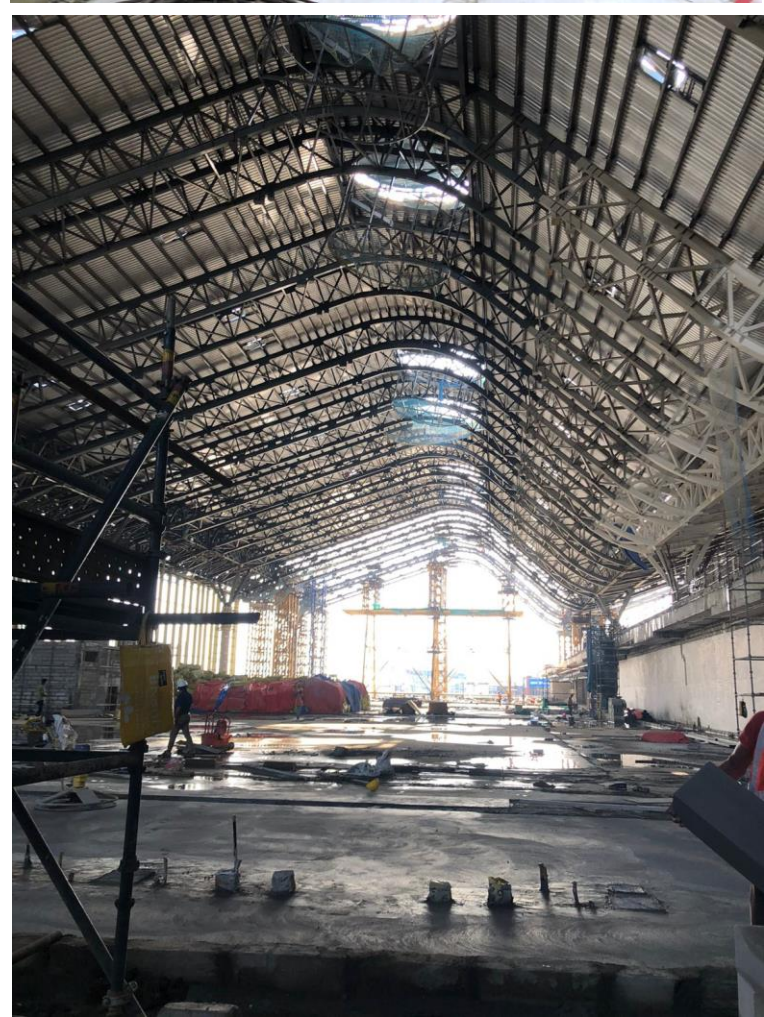
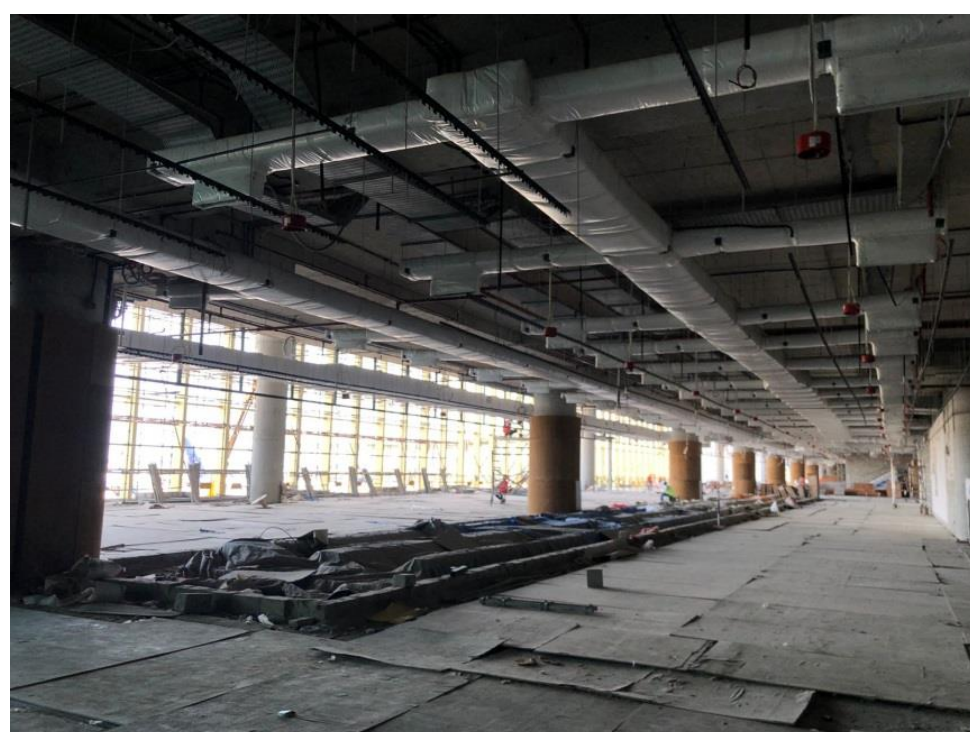
CHECKIN CANOPY
LIGHTING DETAIL 3D
VIEW @ DEPARTURE
LEVEL





SITE PICTURES





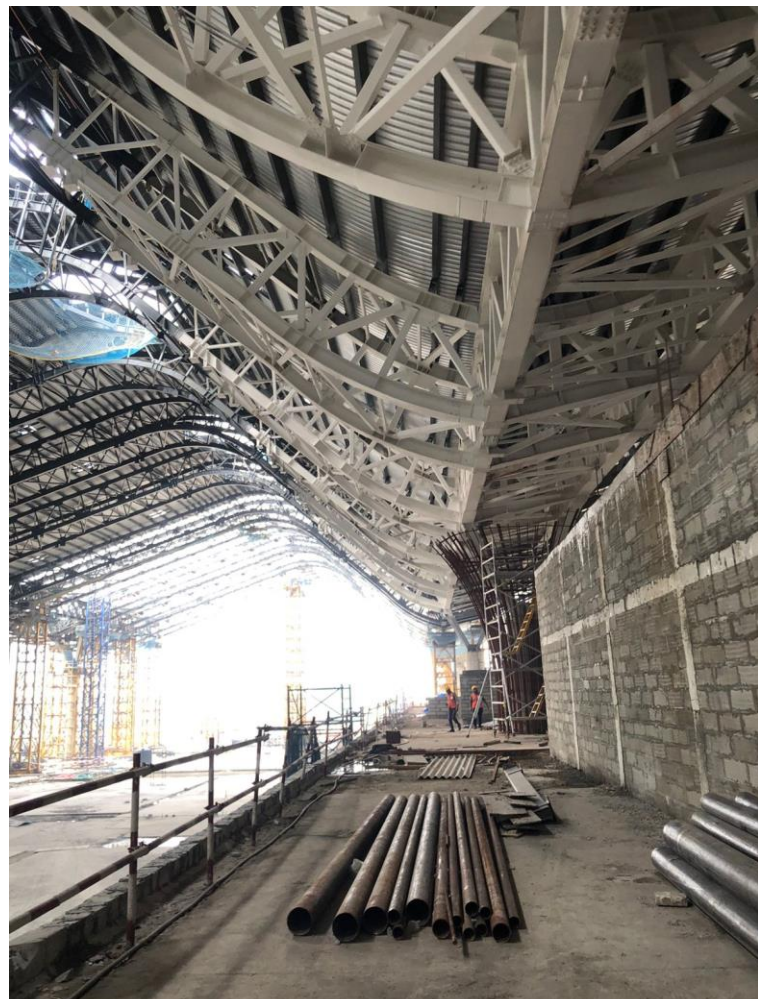
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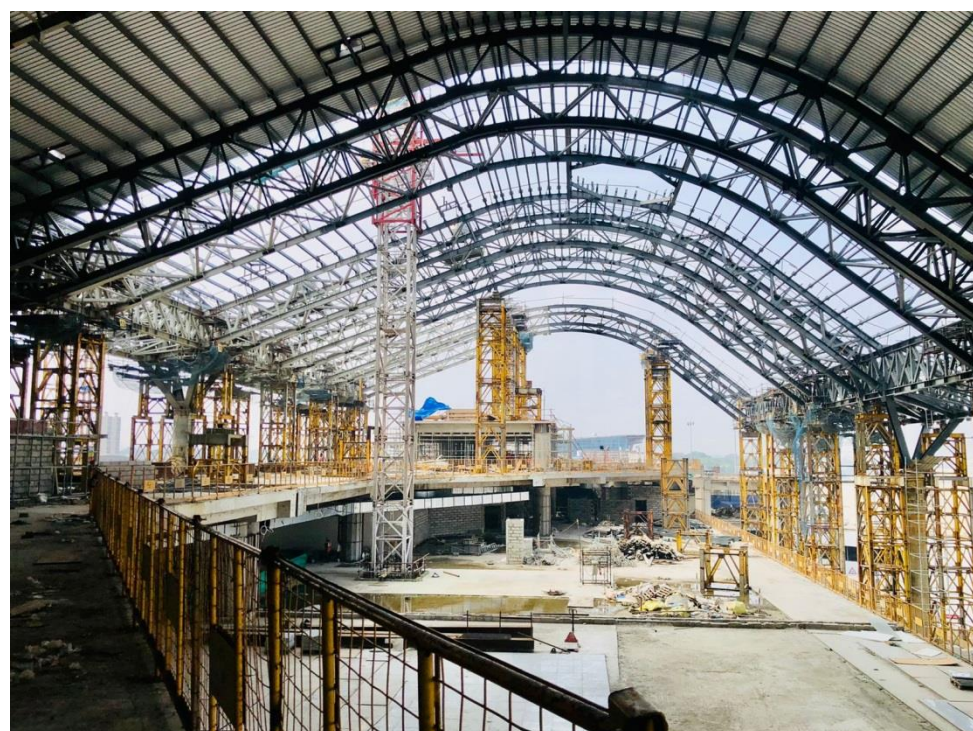
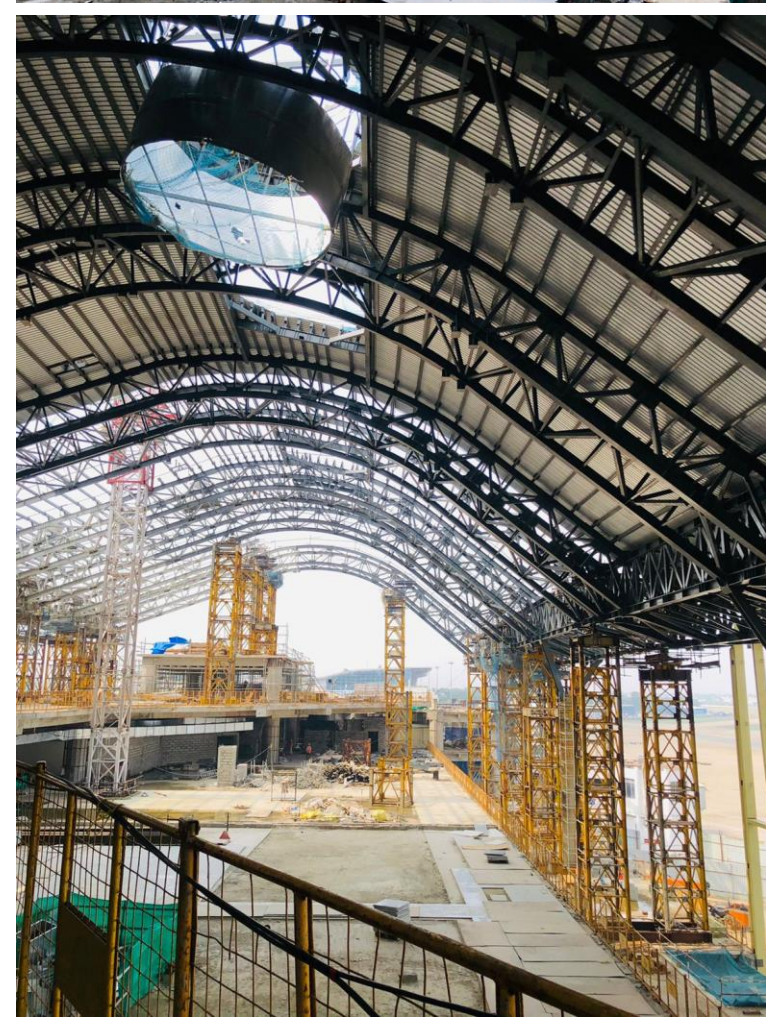
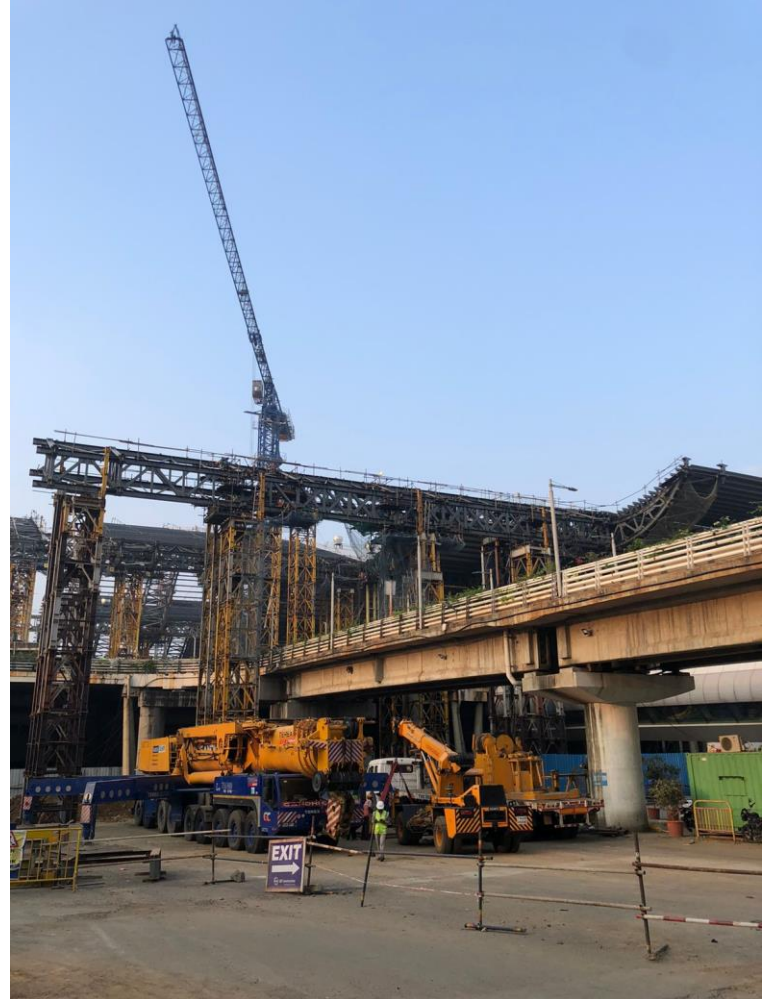
SITE PICTURES





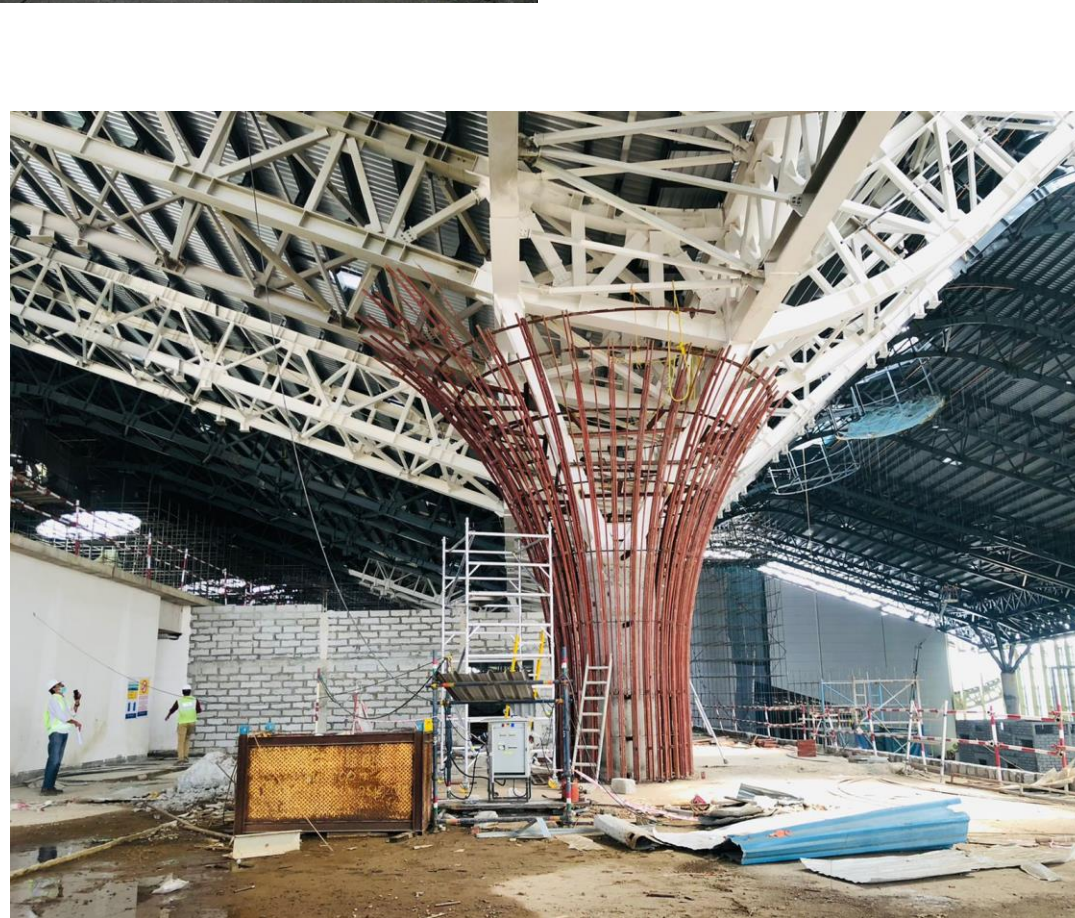
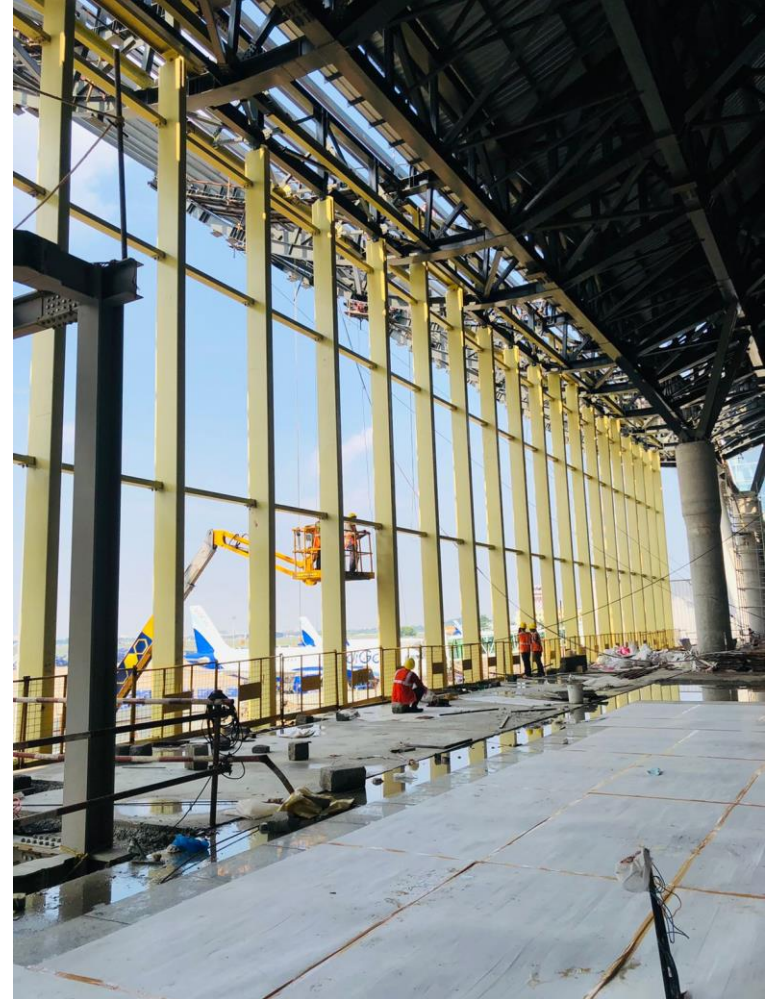
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SITE PICTURES



CONCLUSION

6.1 INFERENCE FROM PROFESSIONAL TRAINING

I have learnt and gained knowledge as Project manager as follows:

- To Implement PM tools for construction projects.
- Client coordination and Vendor Coordination.
- Understood Project Manager serves as a bridge between Chief Architect and Client.
- Allocating Labours and Framing Budget Practically.
- Also personally learnt importance of time management during this professional training period.