

PROFESSIONAL TRAINING REPORT

Submitted in partial fulfillment of the requirements for the award of
Master of Architecture degree in Sustainable Architecture

by

S.SUGANYA (40890018)



**SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF ARCHITECTURE**

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600 119

JAN 2022



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
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(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 (Sustainable Architecture)**

**PROFESSIONAL TRAINING PORTFOLIO (S89A PT)
JAN 2022**

Name of the Student : S.SUGANYA

Semester : III

Reg No. : 40890018

Batch : 2020-2022



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SCHOOL OF BUILDING AND ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

M. Arch (Sustainable Architecture)

BONAFIDE CERTIFICATE

This is to certify that the professional training (S89A PT) is the work of S.SUGANYA - 40890018 who had undergone training in **ER ARCHITECTS & CONSULTANTS,KARUR** and has been monitored by the continuous assessment during **Dec 2021 to Jan 2022**.

DR.DEVYANI GANGOPADHYAY
DEAN,

School of Building and
Environment

Department of Architecture

Submitted for Viva voce Examination held on_5.2.2022

Internal Examiner

External Examiner



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DECLARATION

I S .SUGANYA hereby declare that the Professional Training Report **29.11.2021 to 10.1.2022** done by me under the guidance of **Ar. HARI PRASATH** is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 10.1.2022

PLACE : Chennai

A rectangular box containing a handwritten signature in black ink that reads 'S. Suganya'.

SIGNATURE OF CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA** 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 and Head of Department , School of building and Environment, Dept. of architecture for providing me necessary support and details at the right time during the progressive training session.

I would like to express my sincere and deep sense of gratitude to **Ar.HARI PRASATH ,FIRM NAME: ER ARCHITECTS AND CONSULTANTS** for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work. My sincere thanks to **Ar.Sheetal Amraotkar** Professional Training Coordinator for her motivation and guidance.

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 thanks to **AR. HARI PRASATH , ER ARCHITECTS ANDCONSULTANTS**

(Annexure –V)

ER - ARCHITECTS & CONSULTANTS

KARUR & THENI

27.11.2021

To,
The Head of the Department,
Sathyabama insitute of science and Technology'
Chennai-600119,
Tamil nadu.

Respected Sir/Madam,
Subject: CONFIRMATION LETTER

This is to confirm that Mrs.S.Suganya [40890018] ,pursuing M.Arch - sustainable in Sathyabama insitute of science and technology ,will be undergoing her internship at our firm for the period of 30 days from 29.11.2021.

Yours sincerely,

Ar.Hari Prasath,
Managing Partner.



ADDRESS: PRIYANGA COMPLEX,KARUR
PH:8754027295,8667201443

ER - ARCHITECTS & CONSULTANTS

KARUR & THENI

10.1.2022

To,
The Head of the Department,
Sathyabama insitute of science and Technology'
Chennai-600119,
Tamil nadu.

Respected Sir/Madam,
Subject: COMPLETION LETTER

This is to inform that Mrs.S.Suganya [40890018] ,pursuing M.Arch - sustainable in Sathyabama insitute of science and technology ,has completed her internship successfully at our firm from [29.11.2021 to 10.1.2022] for the period of 36 days.

Yours sincerely,

Ar.Hari Prasath,
Managing Partner.



ADDRESS: PRIYANGA COMPLEX,KARUR
PH:8754027295,8667201443



SATHYABAMA

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www.sathyabama.ac.in



DEPARTMENT OF ARCHITECTURE M. Arch (sustainable architecture)

Continuous Assessment Report for Professional training

(Continuous progress report of the trainee architect/Project Manager for the period of 30 working days in the office to be submitted to HOD by the Trainee attending the training session)

1. Name of the office / organization : EA ARCHITECTS & CONSULTANTS
2. Address & Contact Number : PRIVANGA COMPLEX, KARUR, 87540 27295
3. Name of the student : S. SUGANYA [40890018]
4. Duration : From 29.11.2021 To 4.12.2021
5. Total No. of days : 6 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 200 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture and methodology	✓				
Active Participation in the Project activities		✓			
Documentation and tracking of project		✓			
Presentation Skills developed		✓			
Understanding of construction details & techniques		✓			
Participation and contribution in project meetings		✓			
Understanding of codes and standards		✓			
Schedule preparation & tracking activities		✓			
Preparation / Management of drawings	✓				
Learning / Application of software in Projects		✓			
Preparation of concept for projects		✓			
Site Management / Discussion with clients		✓			
Overall Grading*	(A)				

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

7. Any other Remarks : _____

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



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2. Address & Contact Number : PRIVANGA COMPLEX, KARUR, 87540 27295
3. Name of the student : S. SUGANYA [40890018]
4. Duration : From 6.12.2021 To 11.12.2021
5. Total No. of days : 6 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 200 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture and methodology	✓				
Active Participation in the Project activities		✓			
Documentation and tracking of project		✓			
Presentation Skills developed		✓			
Understanding of construction details & techniques		✓			
Participation and contribution in project meetings		✓			
Understanding of codes and standards		✓			
Schedule preparation & tracking activities		✓			
Preparation / Management of drawings	✓				
Learning / Application of software in Projects	✓				
Preparation of concept for projects	✓				
Site Management / Discussion with clients	✓				
Overall Grading*	(A)				

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

7. Any other Remarks : _____

8. Signature of the
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1. Name of the office / organization : **EA ARCHITECTS & CONSULTANTS**
2. Address & Contact Number : **PRIYANGA COMPLEX, KARUR, 87540 27295**
3. Name of the student : **S. SUGANYA [40890018]**
4. Duration : **From 13.12.2021 To 18.12.2021**
5. Total No. of days : **6 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 200 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture and methodology	✓				
Active Participation in the Project activities		✓			
Documentation and tracking of project		✓			
Presentation Skills developed		✓			
Understanding of construction details & techniques		✓			
Participation and contribution in project meetings		✓			
Understanding of codes and standards		✓			
Schedule preparation & tracking activities		✓			
Preparation / Management of drawings	✓	✓			
Learning / Application of software in Projects		✓			
Preparation of concept for projects	✓				
Site Management / Discussion with clients		✓			

Overall Grading* : **(B)**

(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
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Organization (With Seal)



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DEPARTMENT OF ARCHITECTURE M. Arch (sustainable architecture)

Continuous Assessment Report for Professional training

(Continuous progress report of the trainee architect/Project Manager for the period of 30 working days in the office to be submitted to HOD by the Trainee attending the training session)

1. Name of the office / organization : **EA ARCHITECTS & CONSULTANTS**
2. Address & Contact Number : **PRIYANGA COMPLEX, KARUR, 87540 - 27295**
3. Name of the student : **S. SUGANYA [40890018]**
4. Duration : **From 20.12.2021 To 25.12.2021**
5. Total No. of days : **6 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 200 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture and methodology	✓				
Active Participation in the Project activities		✓			
Documentation and tracking of project		✓			
Presentation Skills developed		✓			
Understanding of construction details & techniques		✓			
Participation and contribution in project meetings		✓			
Understanding of codes and standards		✓			
Schedule preparation & tracking activities		✓			
Preparation / Management of drawings	✓				
Learning / Application of software in Projects		✓			
Preparation of concept for projects	✓				
Site Management / Discussion with clients	✓				

Overall Grading* : **(A)**

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

7. Any other Remarks : _____

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





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DEPARTMENT OF ARCHITECTURE

M. Arch (Building management)

Continuous Assessment Report for Professional training

(Continuous progress report of the trainee architect/Project Manager for the period of 30 working days in the office to be submitted to HOD by the Trainee attending the training session)

1. Name of the office / organization : ER ARCHITECTS & CONSULTANTS
2. Address & Contact Number : PRIYANGA COMPLEX, KARUR, 87540 27295
3. Name of the student : S. SUGANYA [40890018]
4. Duration : From 27.12.21 To 31.12.21
5. Total No. of days : 5 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 200 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture and methodology	✓				
Active Participation in the Project activities		✓			
Documentation and tracking of project		✓			
Presentation Skills developed		✓			
Understanding of construction details & techniques	✓				
Participation and contribution in project meetings		✓			
Understanding of codes and standards		✓			
Schedule preparation & tracking activities		✓			
Preparation / Management of drawings	✓				
Learning / Application of software in Projects	✓				
Preparation of concept for projects	✓				
Site Management / Discussion with clients	✓				
Overall Grading*	A				

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

7. Any other Remarks :

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



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DEPARTMENT OF ARCHITECTURE

M. Arch (Building management)

Continuous Assessment Report for Professional training

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1. Name of the office / organization : ER ARCHITECTS & CONSULTANTS
2. Address & Contact Number : PRIYANGA COMPLEX, KARUR, 87540 27295
3. Name of the student : S. SUGANYA [40890018]
4. Duration : From 3.1.22 To 10.1.22
5. Total No. of days : 7 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 200 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture and methodology	✓				
Active Participation in the Project activities	✓				
Documentation and tracking of project		✓			
Presentation Skills developed		✓			
Understanding of construction details & techniques	✓				
Participation and contribution in project meetings	✓				
Understanding of codes and standards		✓			
Schedule preparation & tracking activities		✓			
Preparation / Management of drawings		✓			
Learning / Application of software in Projects		✓			
Preparation of concept for projects	✓				
Site Management / Discussion with clients	✓				
Overall Grading*	A				

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

7. Any other Remarks :

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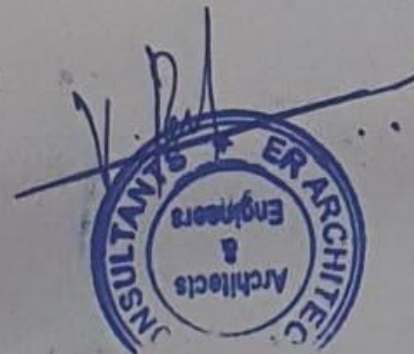
WORK DIARY

(Annexure -VIII)

DATE	PROJECT NAME	WORK DONE	DATE	PROJECT NAME	WORK DONE
29.11.21	Ranjith marriage hall	Section drawing,	20.12.21	Ranjith marriage hall	Site Visit
to		elevation details,			
8.12.21		Plan changes	21.12.21	Raguwan Residence	Concept Plan,
			to		2D detailed Plan
9.12.21	Ajay Karthick residence	Photoshop plan,	25.12.21		
to		elevation-3d			
14.12.21			27.12.21	Ranjith marriage Hall	detailed Section drawings, 3d
			to		Elevation
15.12.21	Rajendran - Residence	Cad Plan	31.22		
to		Photoshop Plan			
18.12.21			4.1.22	Abi Residence	Photoshop plans,
			to		format analysis
			10.1.22		

Chief Architect Signature:

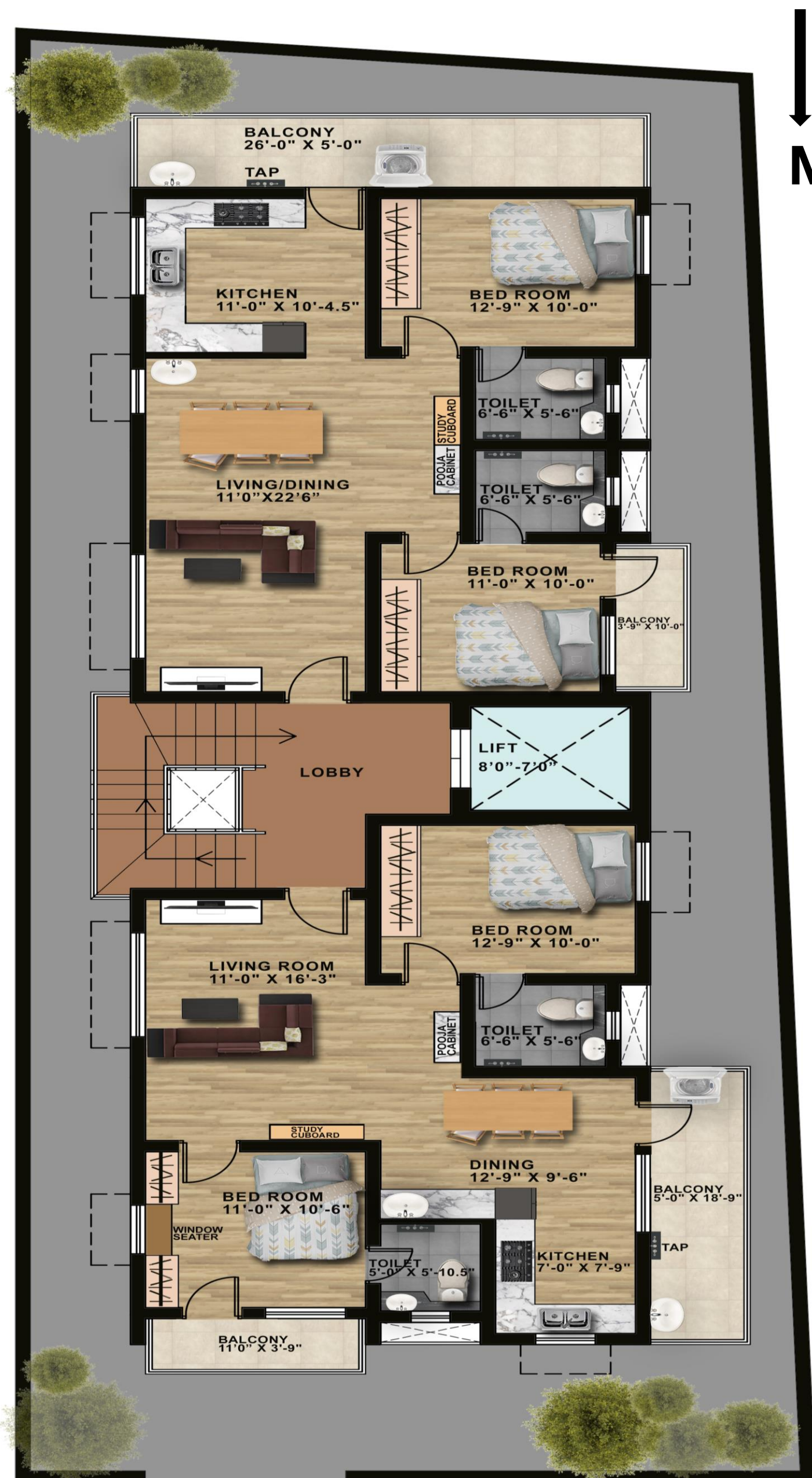
Office seal:



ER ARCHITECTS & CONSULTANTS

AR.HARI PRASATH

S.SUGANYA/ 40890018/M,ARCH -SUSTAINABLE



- Residential building with 6 units[2bhk]
- Building has a terrace garden and pergola structure in roof it prevents from the heating up of the roof



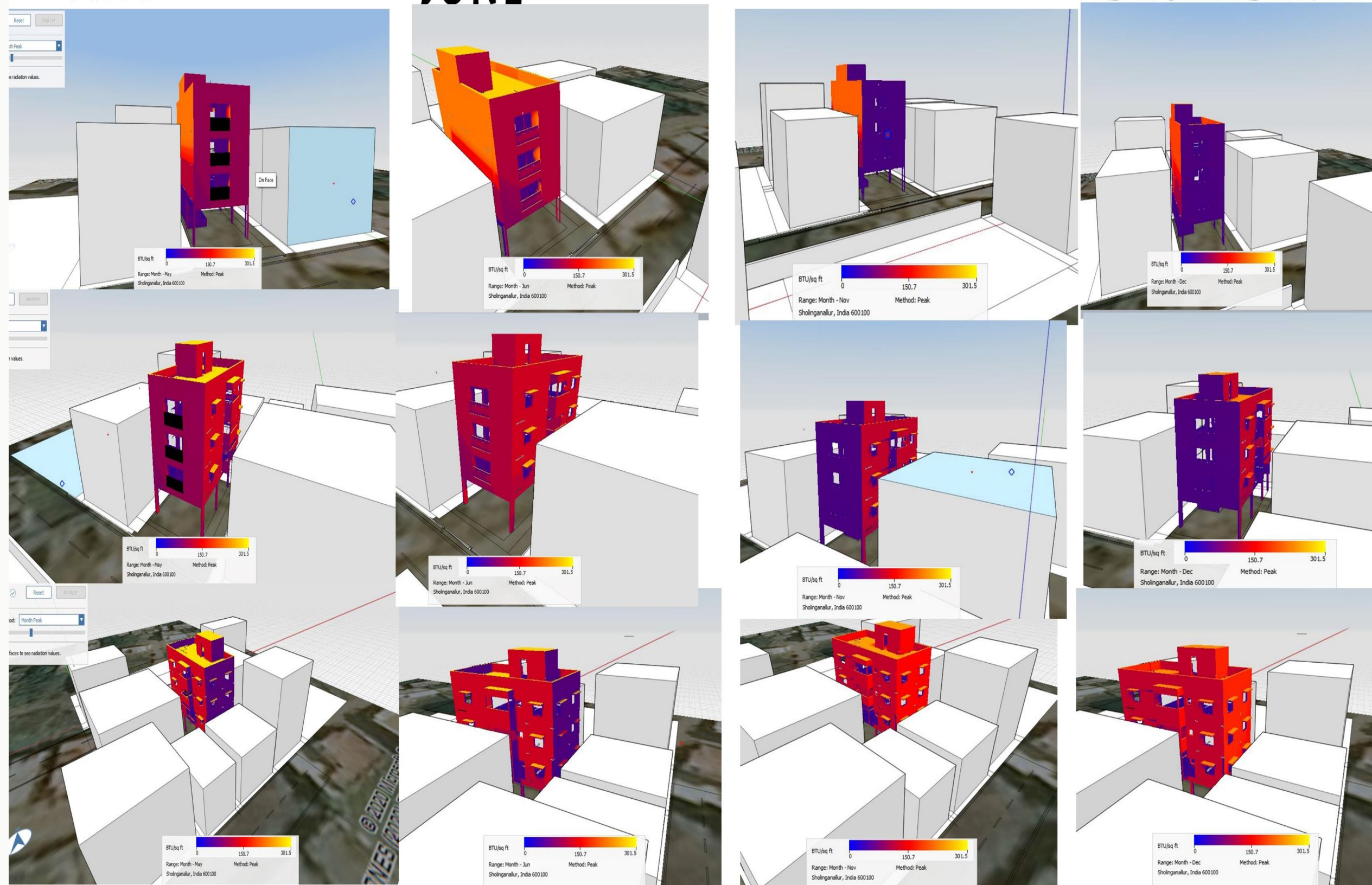
- Radiation is higher is east and west and radiation is much higher in the roof

MAY

JUNE

NOVEMBER

DECEMBER



NORTH-68 [LOW]

NORTH- 88 [LOW]

NORTH- 15.36[VERY LOW]

NORTH- 17.05[VERY LOW]

SOUTH-25.84 [VERY LOW]

SOUTH-19.16[VERY LOW]

SOUTH-150.7[VERY HIGH]

SOUTH-171.4 [VERY HIGH]

EAST-217.4 [VERY HIGH]

EAST-219[VERY HIGH]

EAST-205 [VERY HIGH]

EAST-187.8 [HIGH]

WEST-115.6 [HIGH]

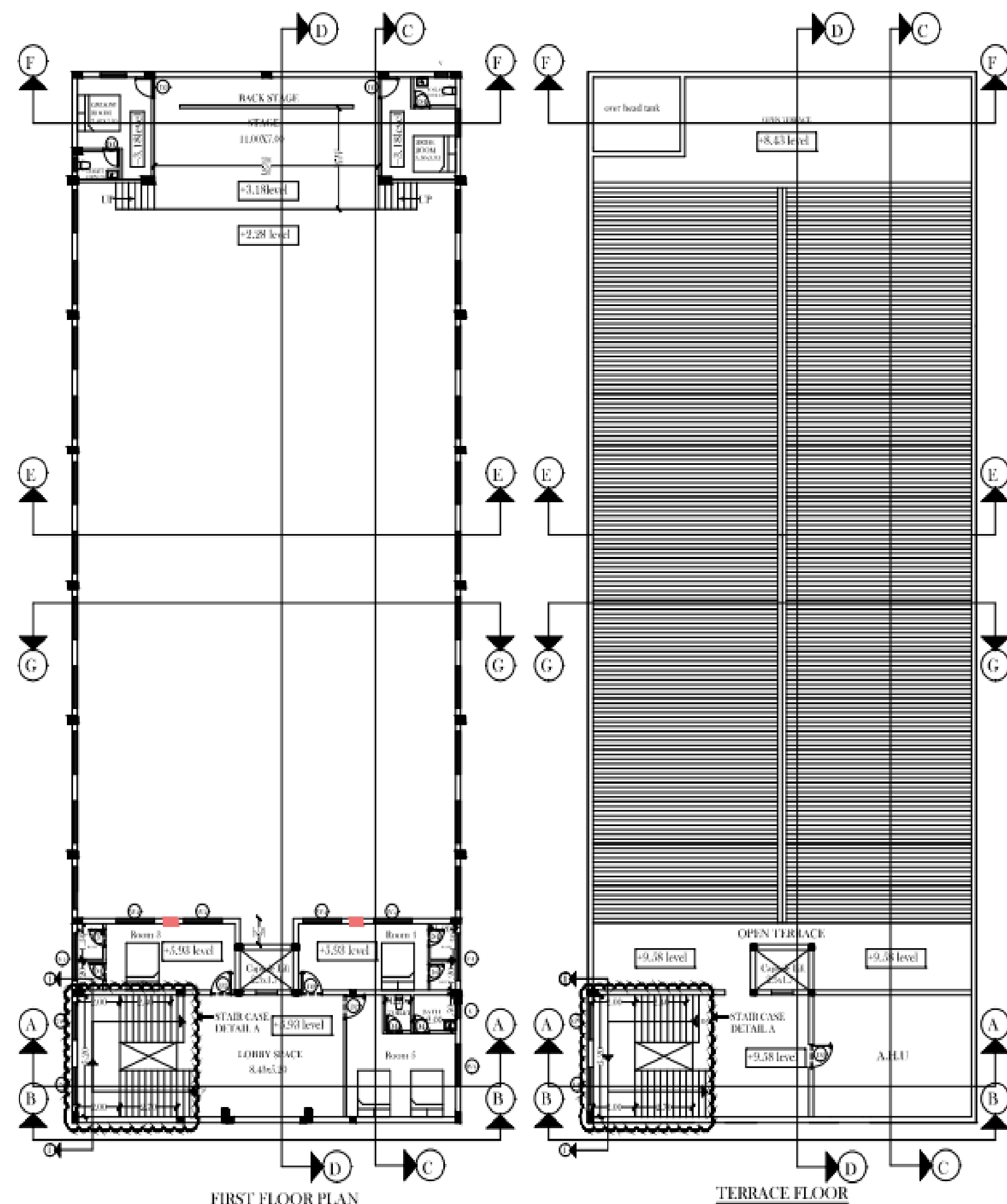
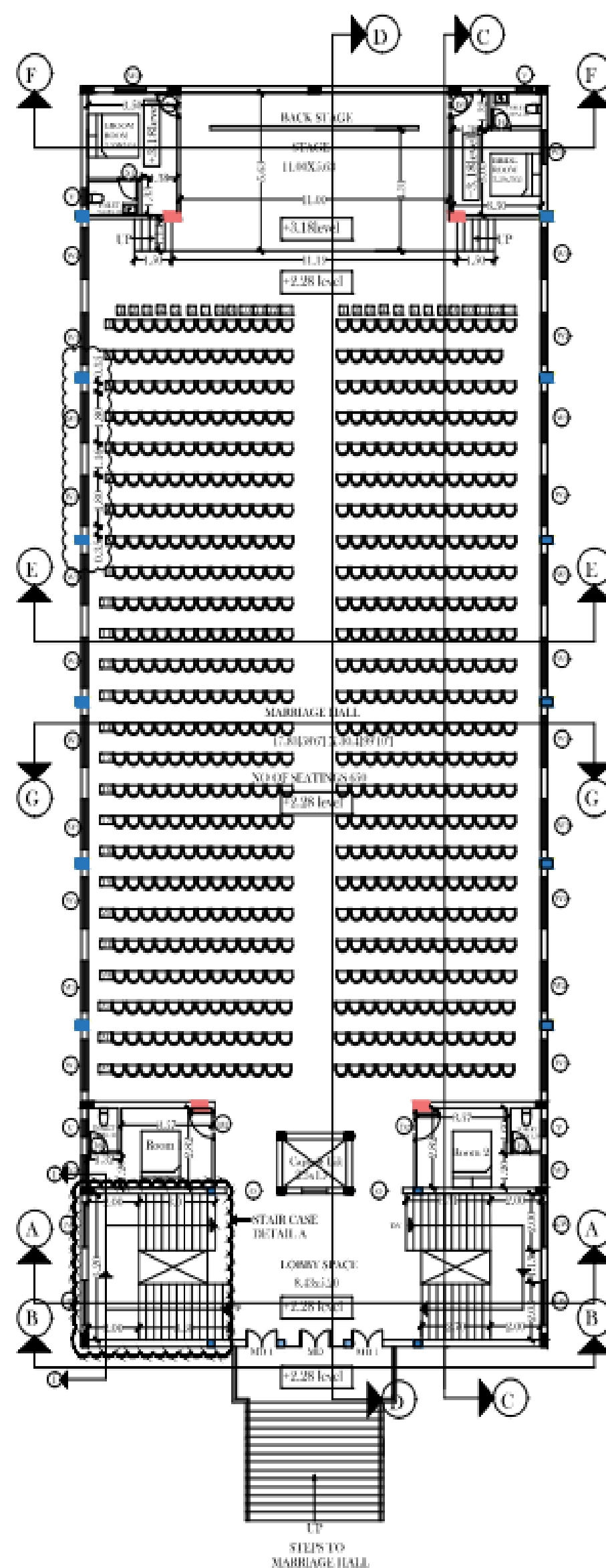
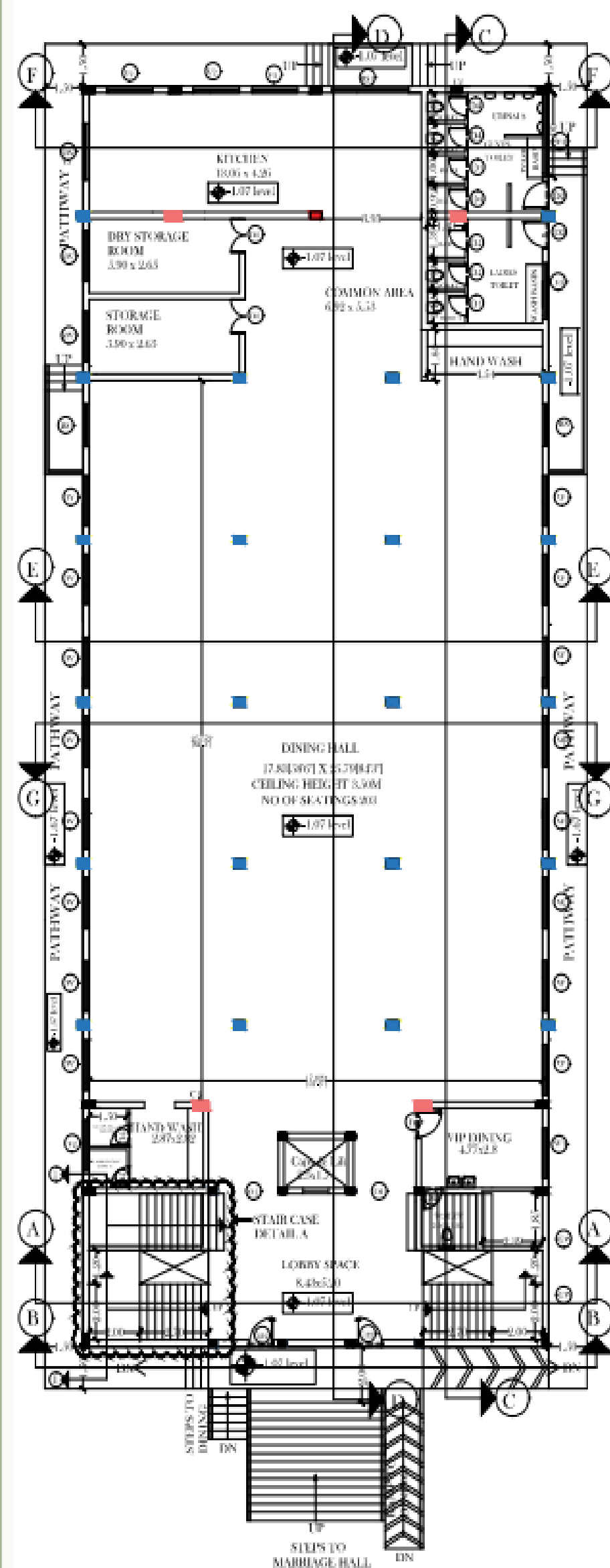
WEST-114 [HIGH]

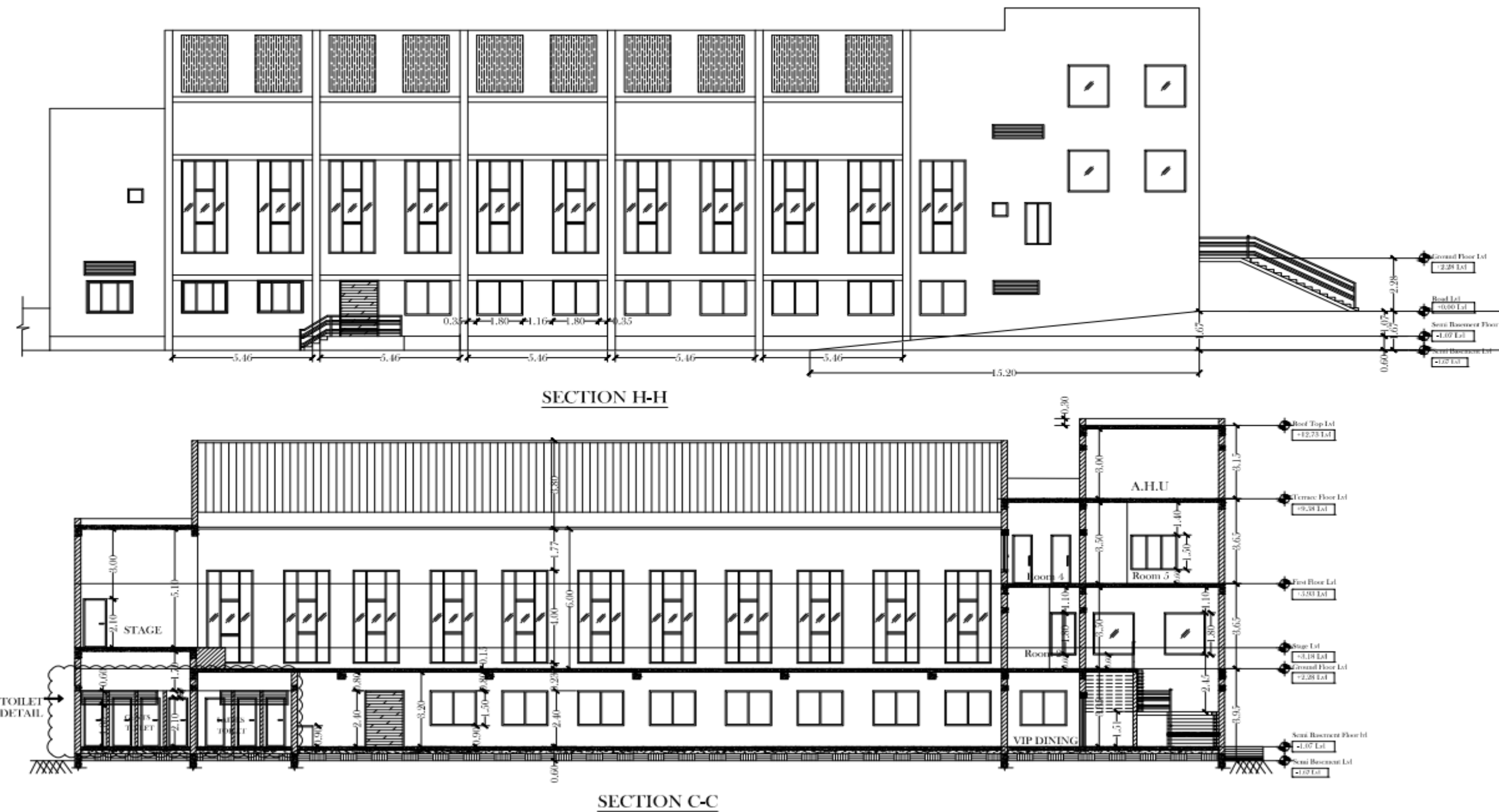
WEST-103 [HIGH]

WEST-103 [HIGH]





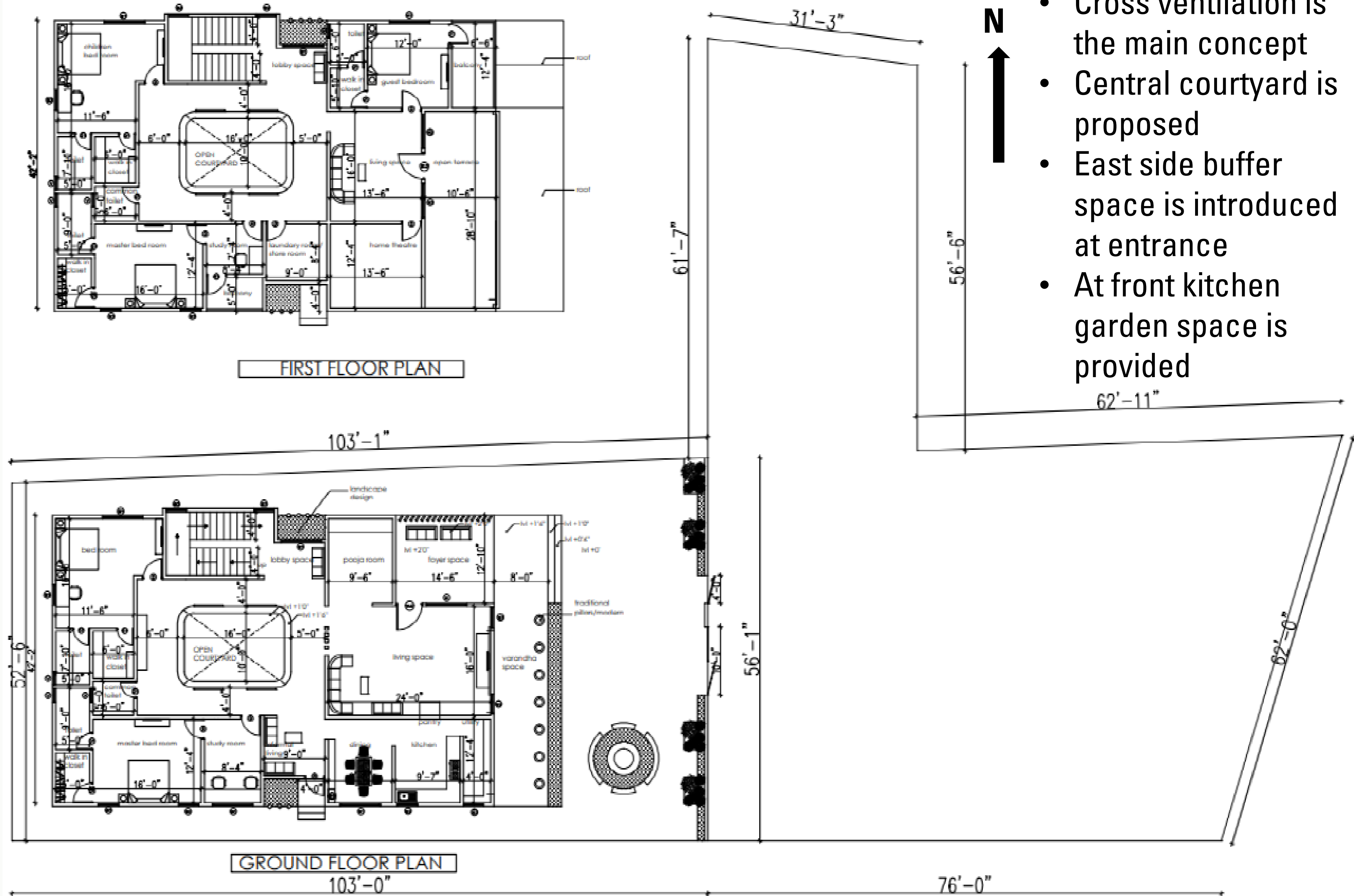






S.SUGANYA/ 40890018/M,ARCH -SUSTAINABLE

RANJITH MARRIAGE HALL-THENI



- Cross ventilation is the main concept
- Central courtyard is proposed
- East side buffer space is introduced at entrance
- At front kitchen garden space is provided