

PROFESSIONAL TRAINING REPORT

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

by

(AMRITHAA K R) (40890002)



**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
(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 (Sustainable Architecture)**

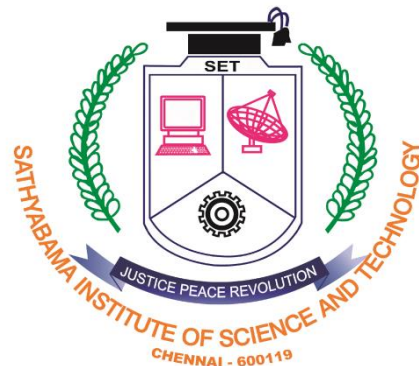
**PROFESSIONAL TRAINING PORTFOLIO (S89A PT)
JAN 2022**

Name of the Student : AMRITHAA K R

Semester : III

Reg No. : 40890002

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 AMRITHAA K R / 40890002 who had undergone training in Aagaram Architects and has been monitored by the continuous assessment during **Nov 2021 to Jan 2022.**

A handwritten signature in blue ink, appearing to read 'Devyani'.

DR. DEVYANI GANGOPADHYAY

DEAN,

School of Building and

Environment

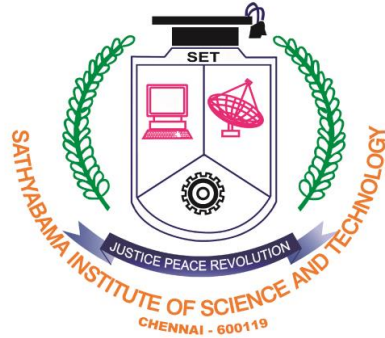
Department of Architecture

Submitted for Viva voce Examination held on 05.02.2022

A handwritten signature in blue ink, appearing to read 'Sheetal'.

Internal Examiner

External Examiner



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DECLARATION

I AMRITHAA K R hereby declare that the Professional Training Report 29.11.2021 – 10.01.2022 done by me under the guidance of Ar. Michael Barnala is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 10th January 2022

PLACE : Vellore

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

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. Michael Barnala / Principal Architect / Aagaram Architect** 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 thank Architect of the firm) **Ar. Michael Barnala / Principal Architect / Aagaram Architect, Vellore.**



25.11.2020
Vellore.

To,
The Head of the Department,
Sathyabama institute of science and technology,
Chennai- 600119,
Tamil Nadu.

Respected mam/ sir,
Subject: Confirmation Letter
This is to confirm that Ms. K.R.Amrithaa (Reg no. 40890002) pursuing M.Arch – Sustainable
in Sathyabama institute of science and technology, will be undergoing the internship at our
firm from 29.11.2020 to 10.01.2021

Yours sincerely,
Aagaram architects

Ar. Michael barnala
Principal architect



10.01.2020
Vellore.

To,
The Head of the Department,
Sathyabama institute of science and technology,
Chennai- 600119,
Tamil Nadu.

Respected mam/ sir,
Subject: Completion Letter
This is to confirm that Ms. K.R.Amrithaa (Reg no. 40890002) pursuing M.Arch – Sustainable
in Sathyabama institute of science and technology, has completed her internship successfully
at our firm from 29.11.2020 to 10.01.2021.

Yours sincerely,
Aagaram architects

Ar. Michael barnala
Principal architect





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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 : Aagaram Architects
2. Address & Contact Number : A.G.M Complex, Auxillium College Road, Vellore
3. Name of the student : AMRITHAA K.R
4. Duration : From Dec 06 To Dec 11
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*	8.0				

(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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1. Name of the office / organization : Aagaram Architects
2. Address & Contact Number : A.G.M Complex, Auxillium College Road, Vellore
3. Name of the student : AMRITHAA K.R
4. Duration : From Dec 13 To Dec 18
5. Total No. of days : 6 days
6. Evaluation of Performance criteria shall be on

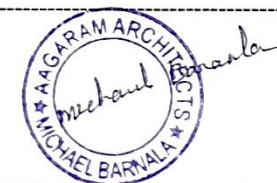
* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month; which will be converted to the allotted 200 marks by the department.

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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		✓			
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Preparation / Management of drawings	✓				
Learning / Application of software in Projects		✓			
Preparation of concept for projects		✓			
Site Management / Discussion with clients	✓				
Overall Grading*	8.0				

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

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(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)

- Name of the office / organization : Aagaram Architects
- Address & Contact Number : A.G.M Complex, Auxilium Road, Vellore
- Name of the student : AMRITHAA K.R.
- Duration : From Jan 03 To Jan 10
- Total No. of days : 6 days
- 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*	7.0				

(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)



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)

- Name of the office / organization : Aagaram Architects
- Address & Contact Number : AGM Complex, Auxilium Road, Vellore
- Name of the student : AMRITHAA K.R.
- Duration : From Nov 29 To Dec 4
- Total No. of days : 6 days
- Evaluation of Performance criteria shall be on

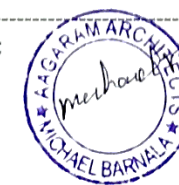
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Preparation / Management of drawings	✓				
Learning / Application of software in Projects		✓			
Preparation of concept for projects		✓			
Site Management / Discussion with clients	✓				
Overall Grading*	7.0				

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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 : Agaram Architects
2. Address & Contact Number : AGM Complex, Auxilium Road, Vellore
3. Name of the student : AMRITHA K.R.
4. Duration : From Dec 20 To Dec 31
5. Total No. of days : 10 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*	8.0				

(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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WORK DIARY

(Annexure –VIII)

DATE	PROJECT NAME	WORK DONE
Nov 29 – dec 1	Malarvilli residence	Conceptual Planning
Dec 2 – Dec 06	Sith Residence	3d elevation, Site supervision
Dec 7 – Dec 10	Malarvilli Residence	Finishing the floor plan
Dec 11 – Dec 14	Sith Residence	Analyzing the residence through simulation, site supervision
Dec 15 – Dec 16	Sith Residence	Staircase detailing
Dec 17 – Dec 20	Senthil Residence	Conceptual planning
Dec 21 – Dec 27	Sith Residence	Site Supervision
Dec 28 – Dec 31	Senthil Residence	Finalizing floor plan
Jan 03 – Jan 05	Sith Residence	Site Supervision
Jan 06 – Jan 10	Senthil Residence	Working Drawing & Column Marking

Chief Architect Signature:

Office seal:





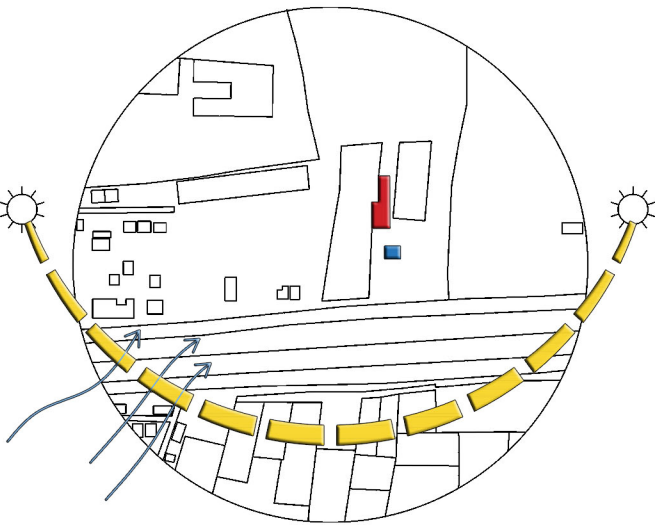
A A G A P A M
Architects

A DESIGN BUILT ARCHITECTURAL PRACTICE

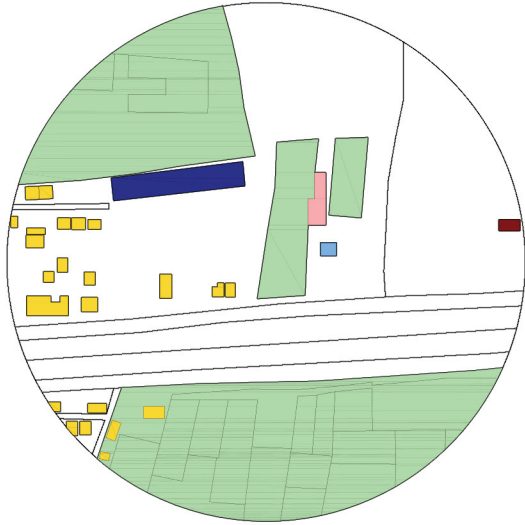
PROJECT NAME: SITH VILLA, ERAIVANGADU, VELLORE
DESIGNED BY: AR. MICHEAL BARNALA AND TEAM

ABOUT PROJECT

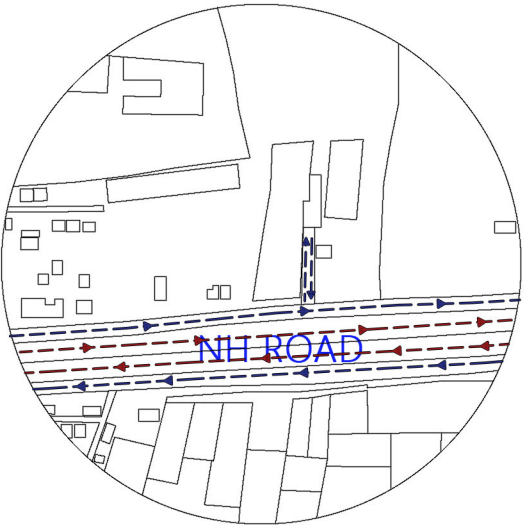
It's a residential project, located at Eraivangadu, 20 KMS away from Vellore (Chennai – Bangalore Highway).
Members: Parents (2) + Children (2)
As the client follow the vallalar (ramalinga swamigal) beliefs. They are in need of residence thats away from vellore modern culture, with earthy tone and much concentration of meditaton space.
Both sides of agricultural land.



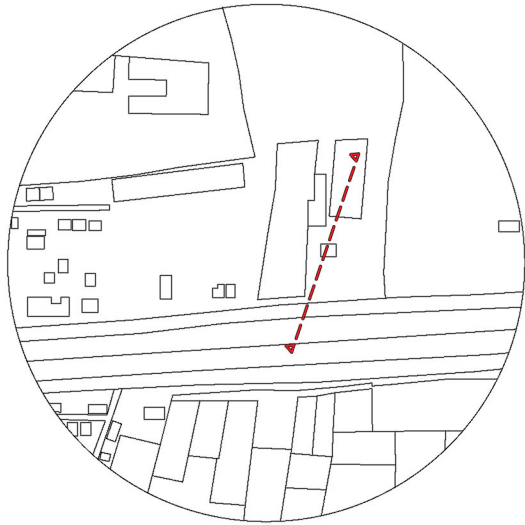
SUN PATH



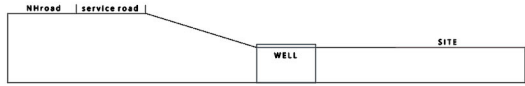
BUILDING TYPE



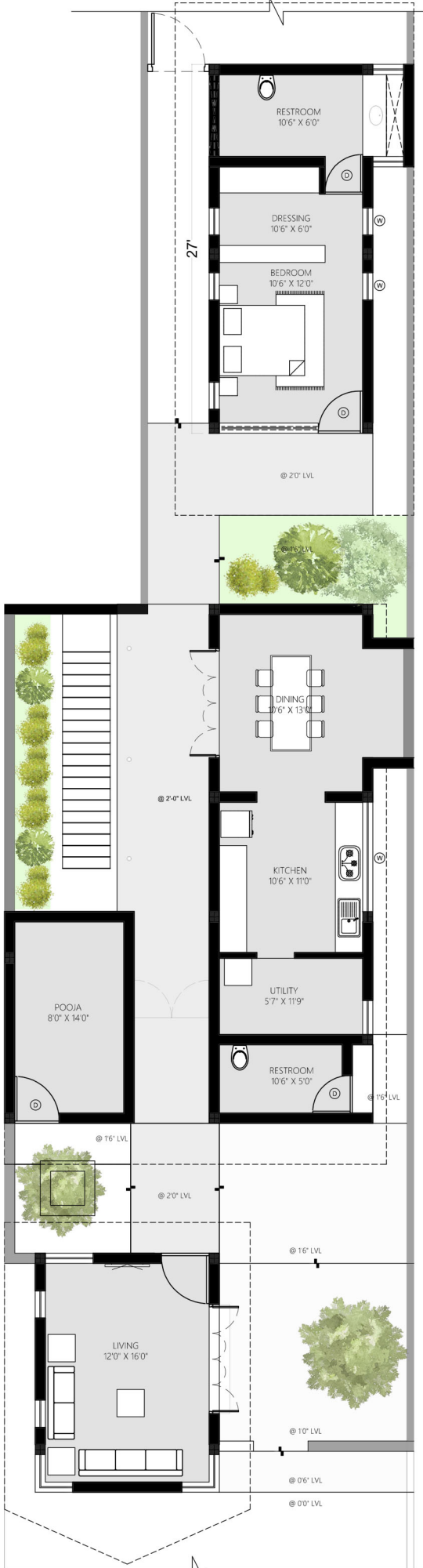
ACCESSIBILITY



SECTION



FLOOR PLAN



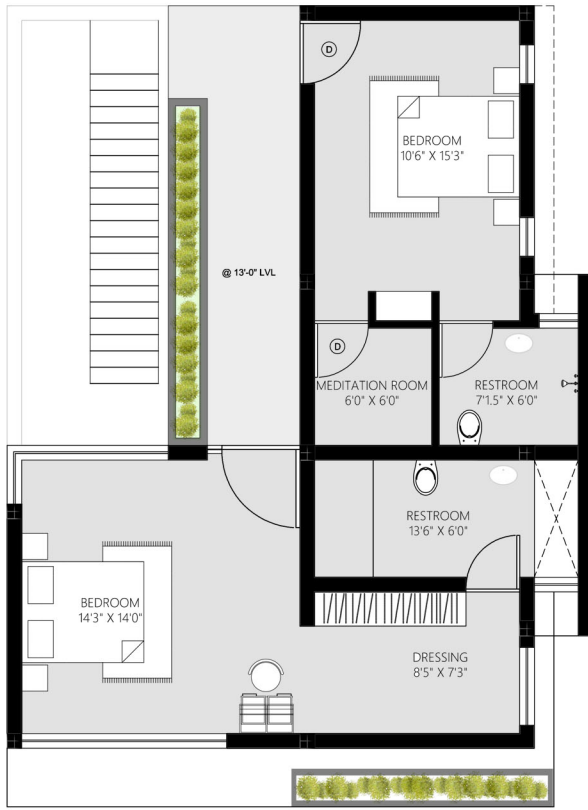
GROUND FLOOR PLAN

AAGARAM ARCHITECTS



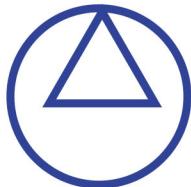
AREA STATEMENT

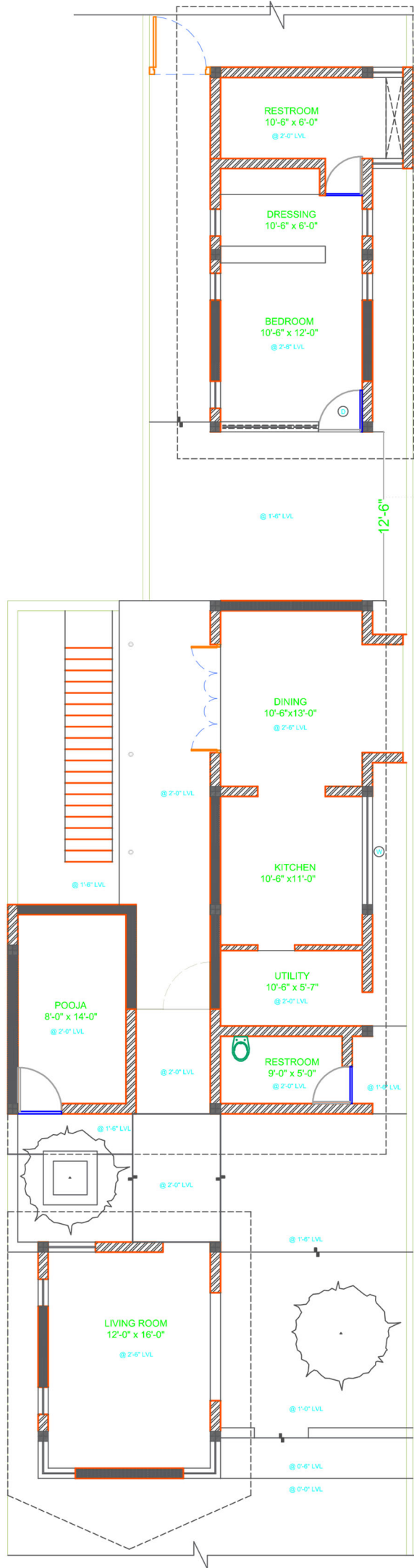
GROUND FLOOR: 1392.54 SQ.FT
LIVING ROOM: 236.25 SQ.FT
POOJA ROOM: 147.25 SQ.FT
DINING, KITCHEN, UTILITY, PASSAGE, COMMON
TOILET: 662.54 SQ.FT
BEDROOM, DRESSING AREA,
TOILET: 346.5 SQ.FT
FIRST FLOOR: 871.9 SQ.FT (BEDROOM, TOILET, PASSAGE)



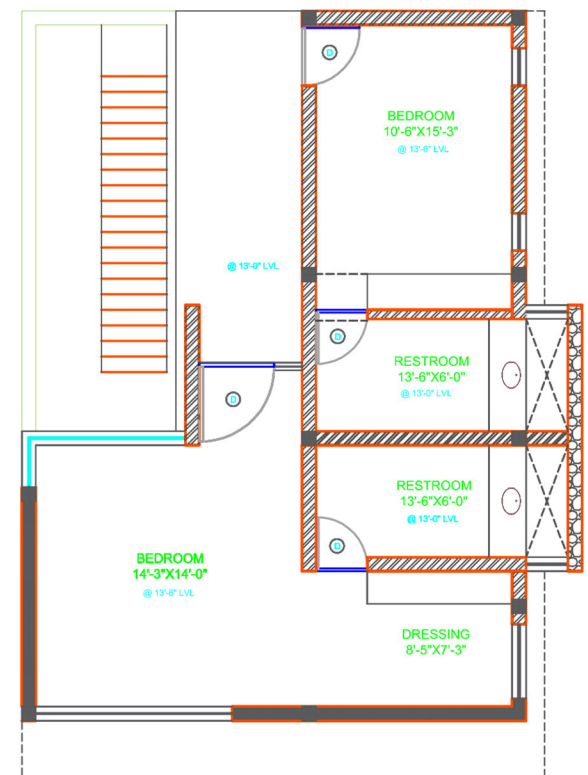
FIRST FLOOR PLAN

Residence is divided into public, semi-private and private space, public and guest is restricted to living and pooja spaces. courtyard spaces are created to connect inside and outside.





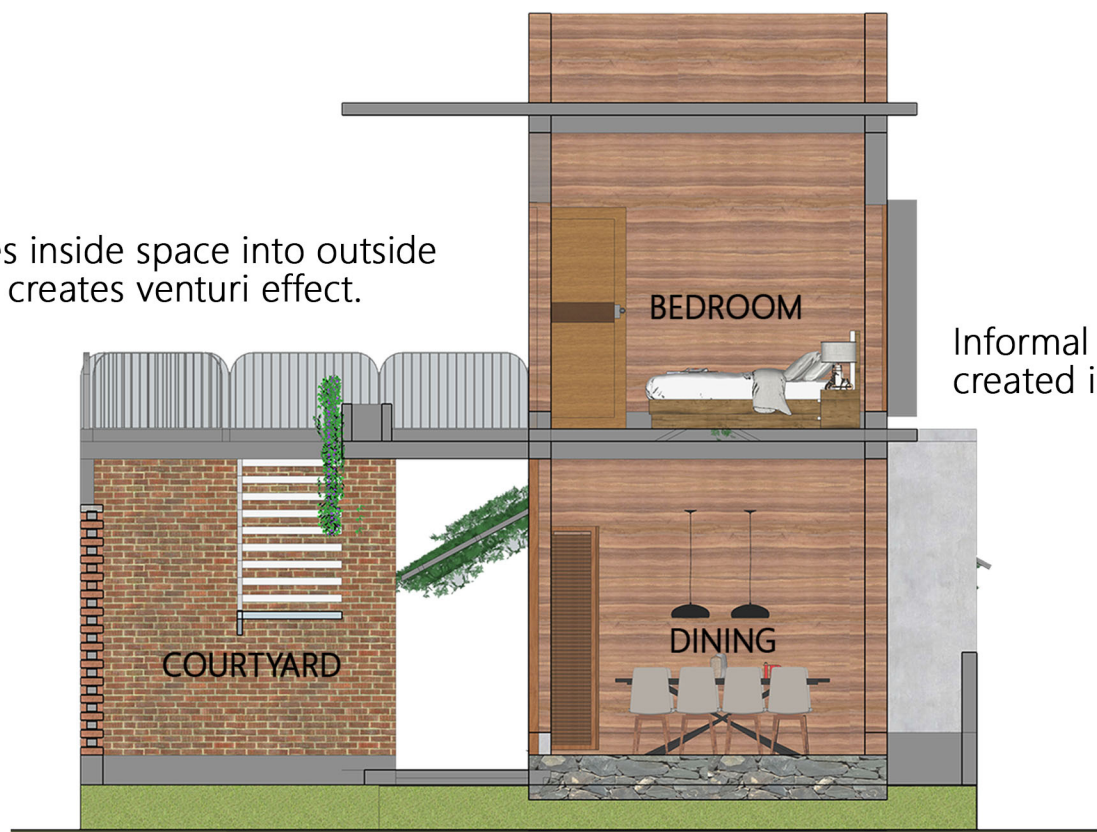
SECTION AA



FIRST FLOOR

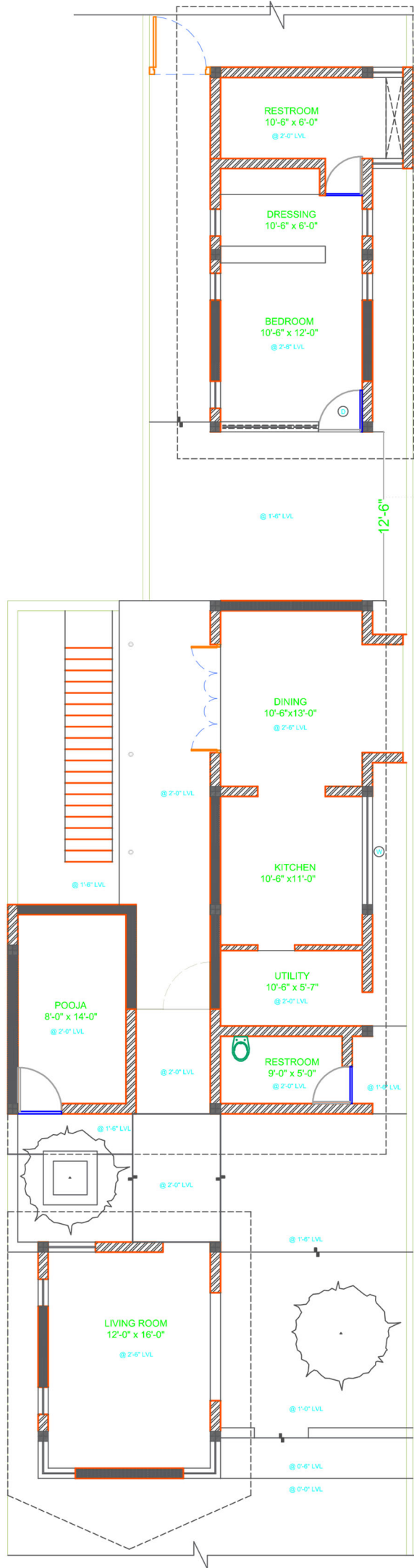
BRICK WALL
 RAMMED EARTH

Courtyard creates inside space into outside and the jali walls creates venturi effect.

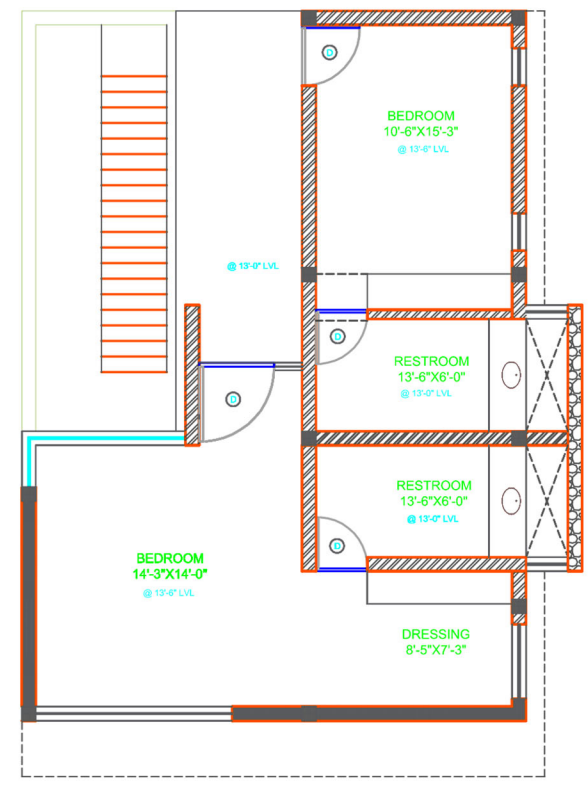


Informal Sitting space is created in the dining

SECTION BB



SECTION AA



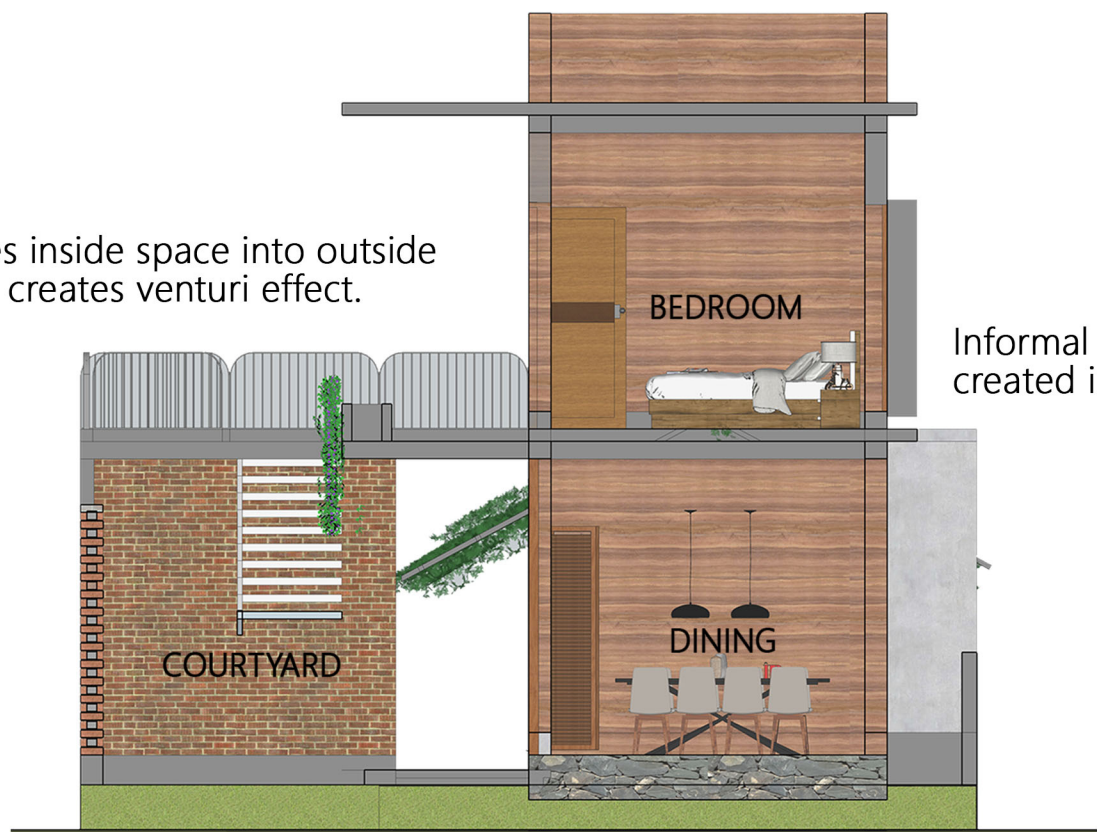
FIRST FLOOR

BRICK WALL

RAMMED EARTH



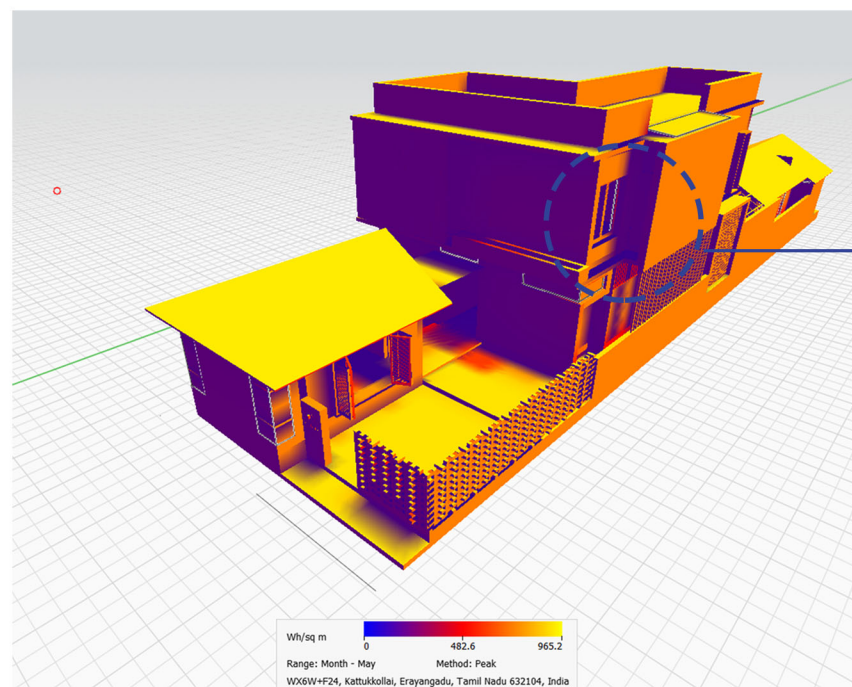
Courtyard creates inside space into outside and the jali walls creates venturi effect.



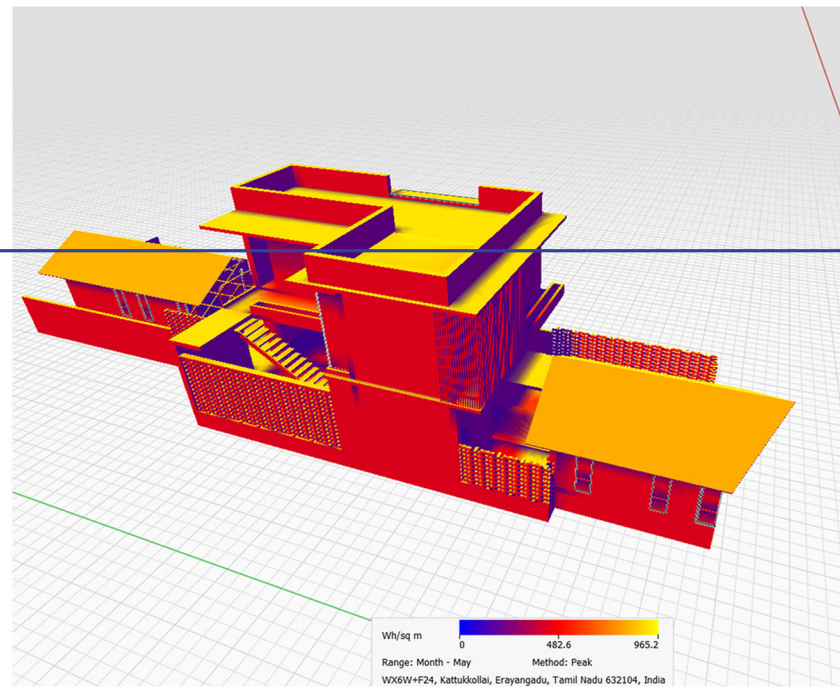
Informal Sitting space is created in the dining

SECTION BB

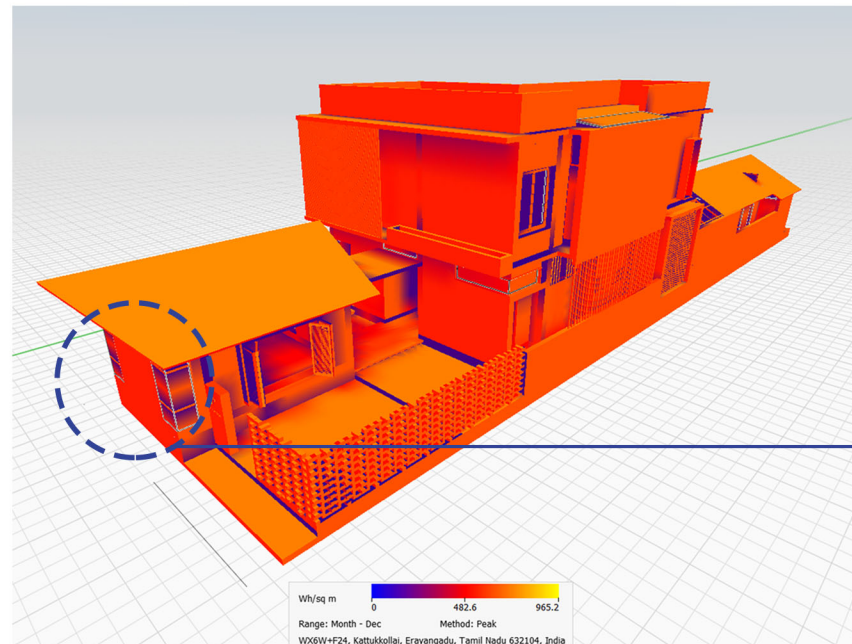




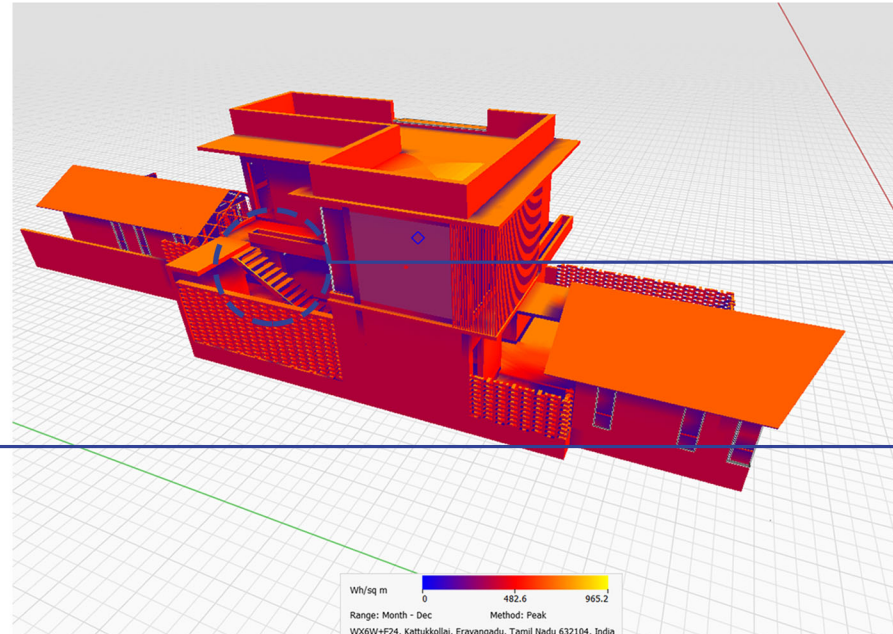
JUNE



Sunshade

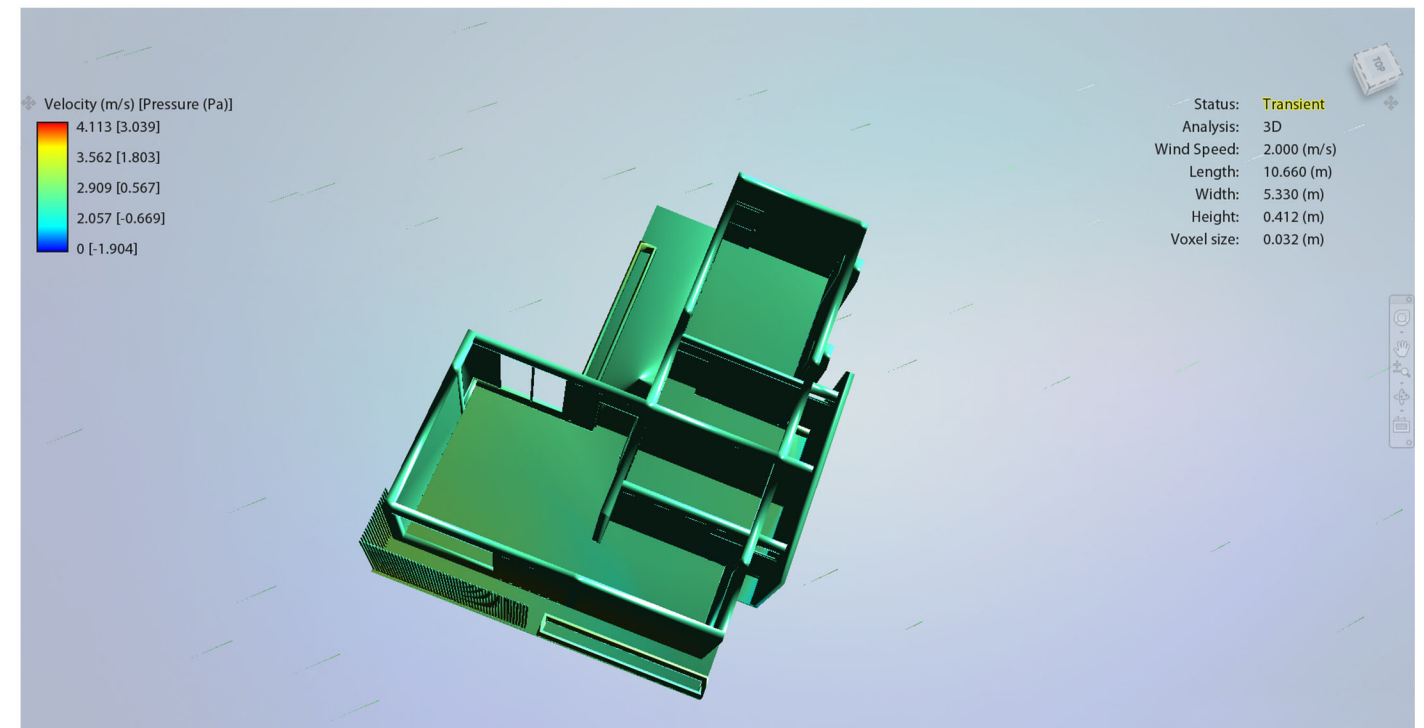
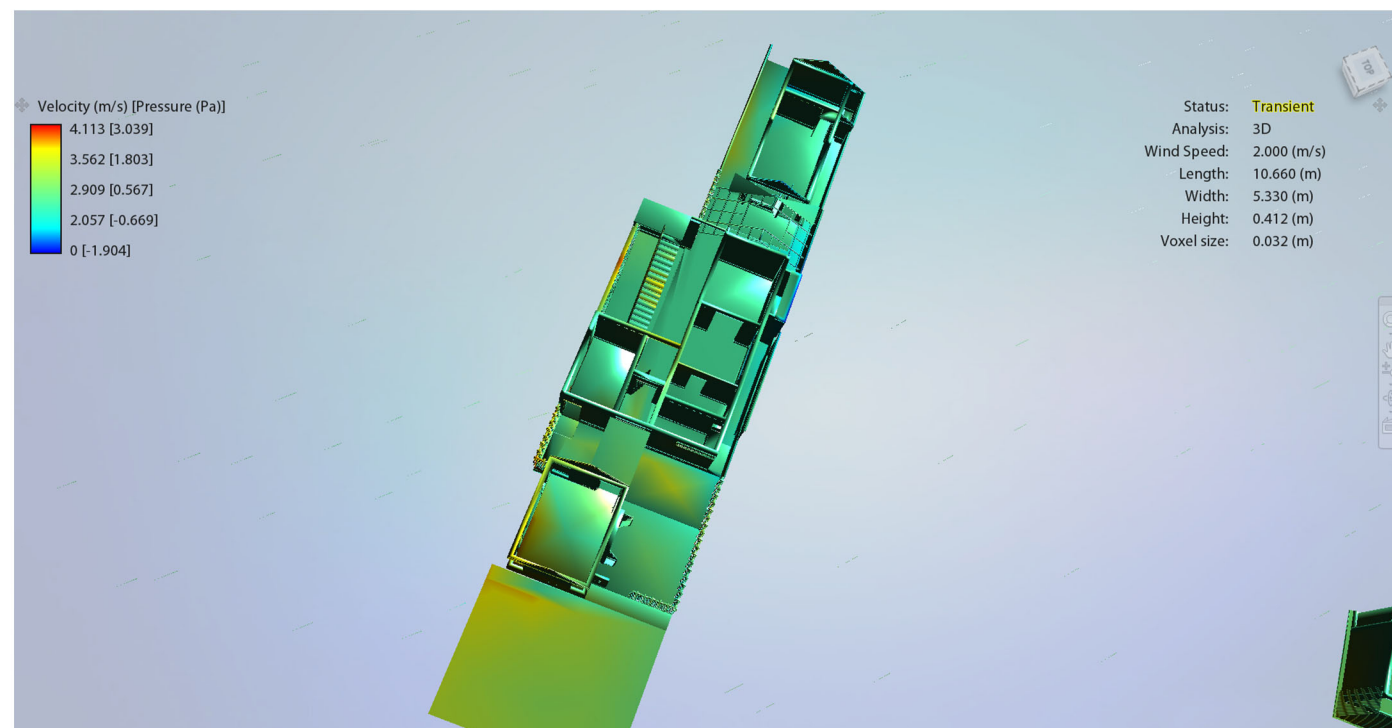


DECEMBER



Staircase area is much exposed to radiation throughout the year.

South wall in living has high radiation in november to january.





BACKYARD (ORGANIC GARDEN)

RAMMED EARTH

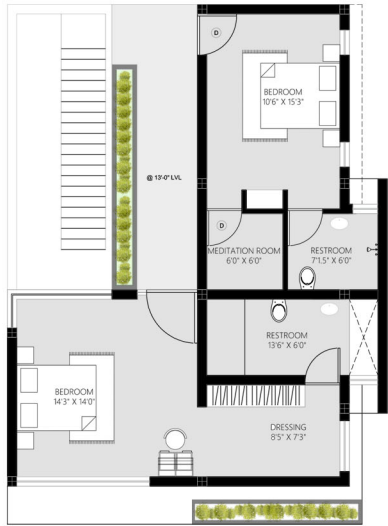
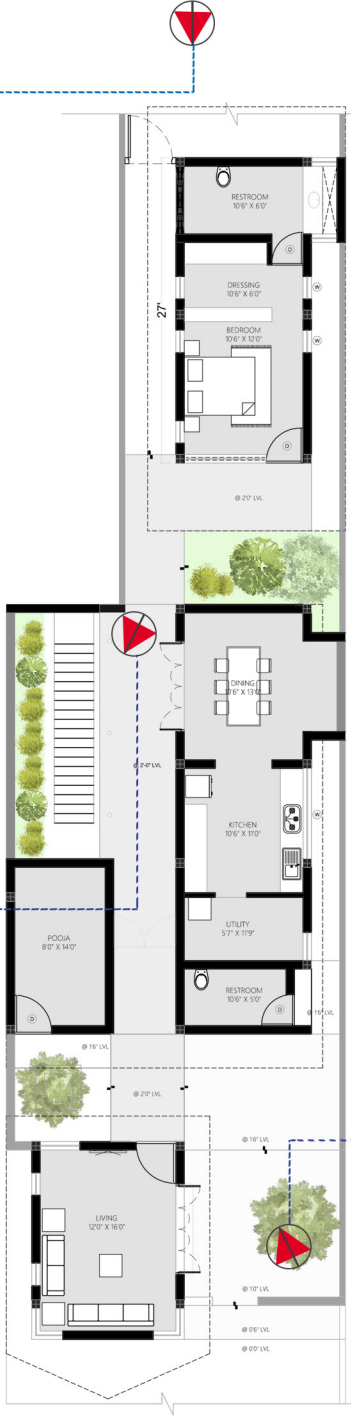
JALI WALL



COURTYARD VIEW



Agricultural Land



Courtyard space in between bedroom and dining. Creepers will be hanging from the steel bars and plants below.

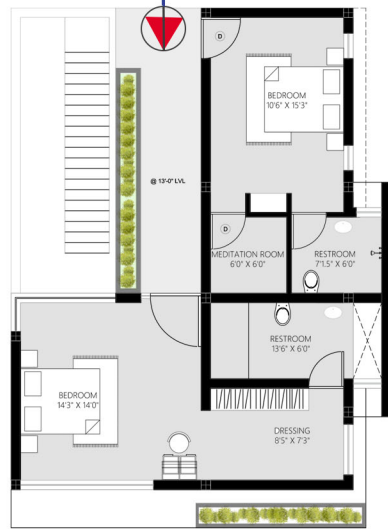
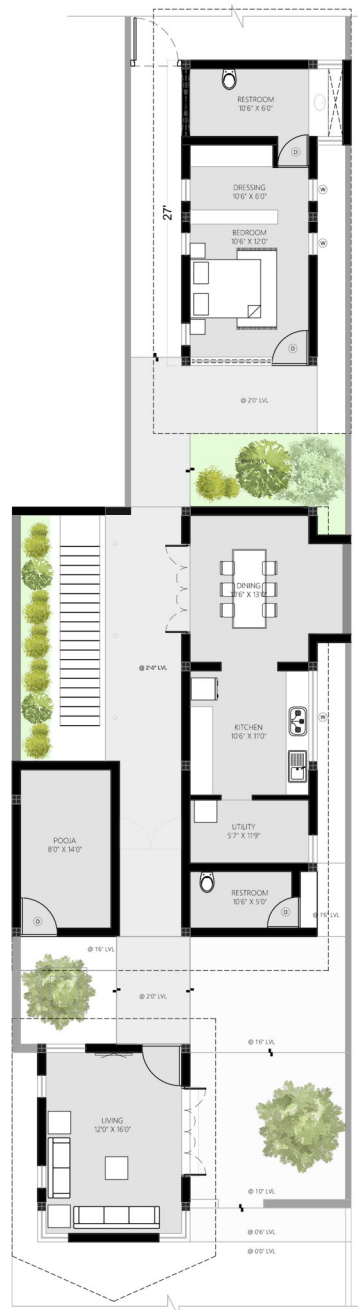
Sitting space created in the living space which will have a bay window



ENTRANCE



DINING



RAMMED EARTH



PLANTER BOX

PLANTER BOX
(Creepers to the courtyard)



Oxide finishing in roof



Cement plaster with mud
finish (5% of cement)



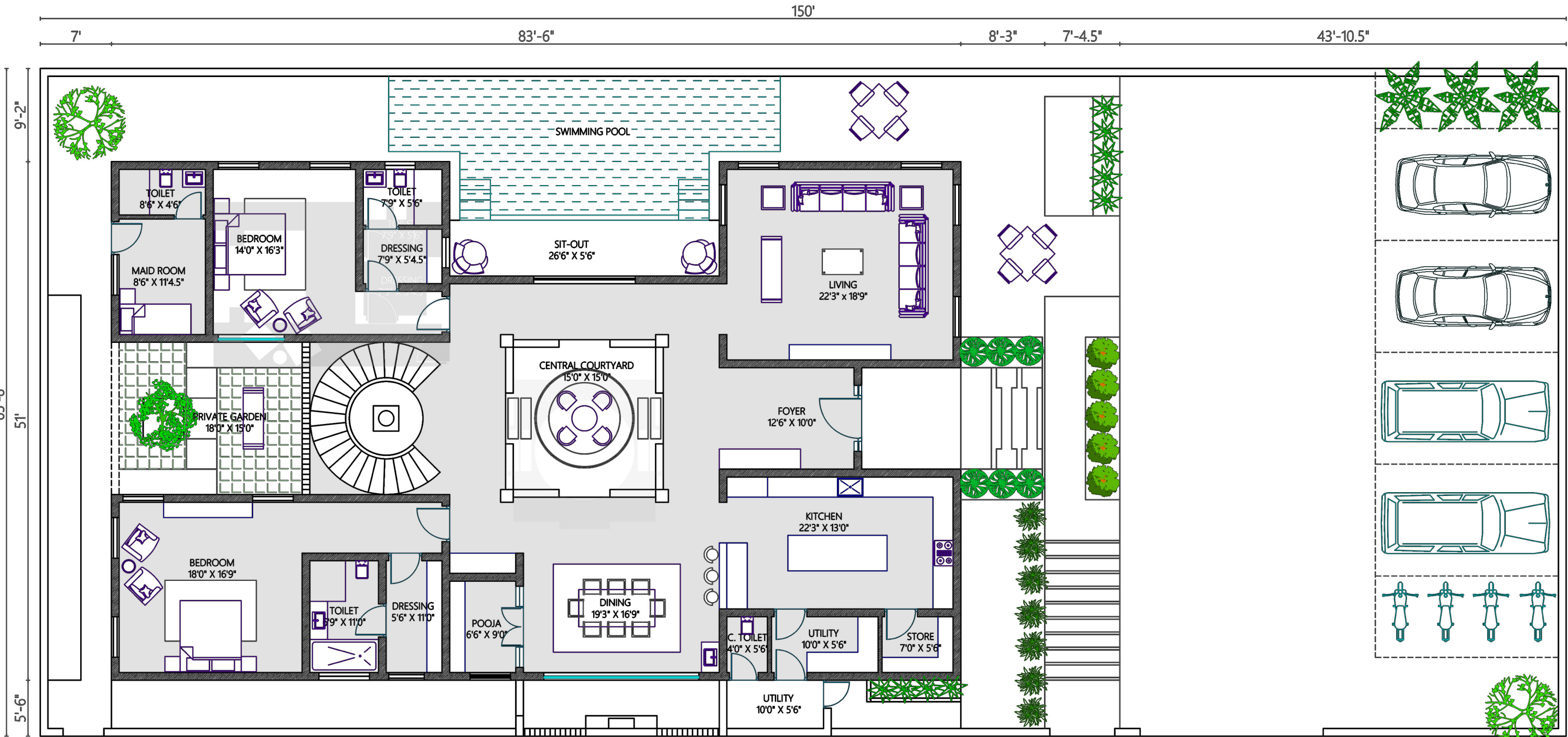
Oxide finished
wall

PROJECT NAME: MALARVILLI VILLA, PALLIKONDA, VELLORE

DESIGNED BY: AR. MICHEAL BARNALA AND TEAM

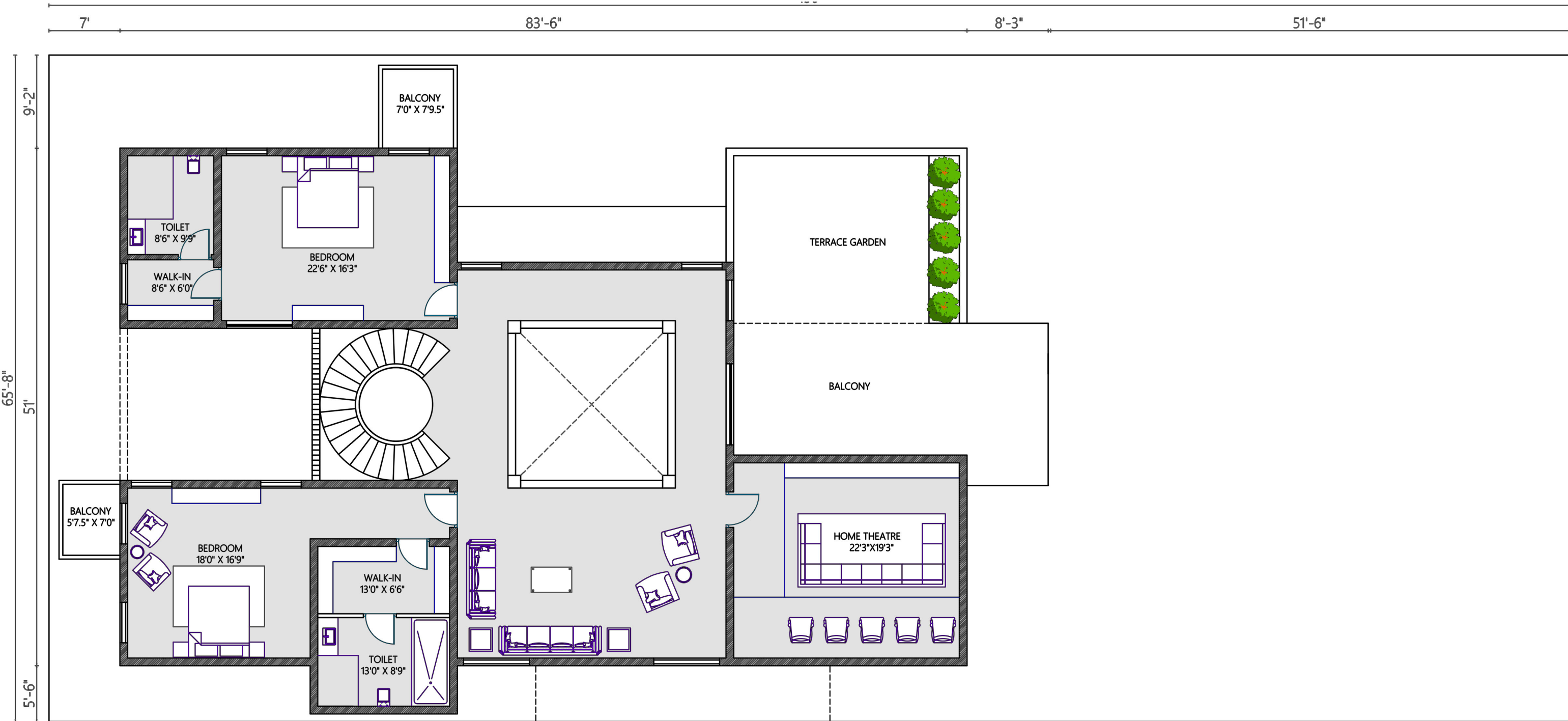
ABOUT PROJECT

It's a residential project, located at Pallikonda, 25 KMS away from Vellore (Chennai – Bangalore Highway).
Members: Joint Family (9 members)
As the client need was a spacious 4 bhk villa with a home theatre, more of garden space and a swimming pool. Vasthu was mainly considered as client needs.



GROUND FLOOR PLAN



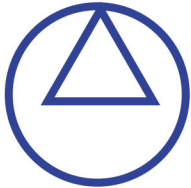


FIRST FLOOR PLAN

AREA STATEMENT

Site Area: 9750 sq.ft
Ground Floor Plan
Total Built-up Area: 4044 sq.ft
Plinth Area: 3679 sq.ft
Greenery Space: 365 sq.ft

First Floor Plan
Total Built-up Area: 4044 sq.ft
Plinth Area: 3679 sq.ft
Greenery Space: 365 sq.ft

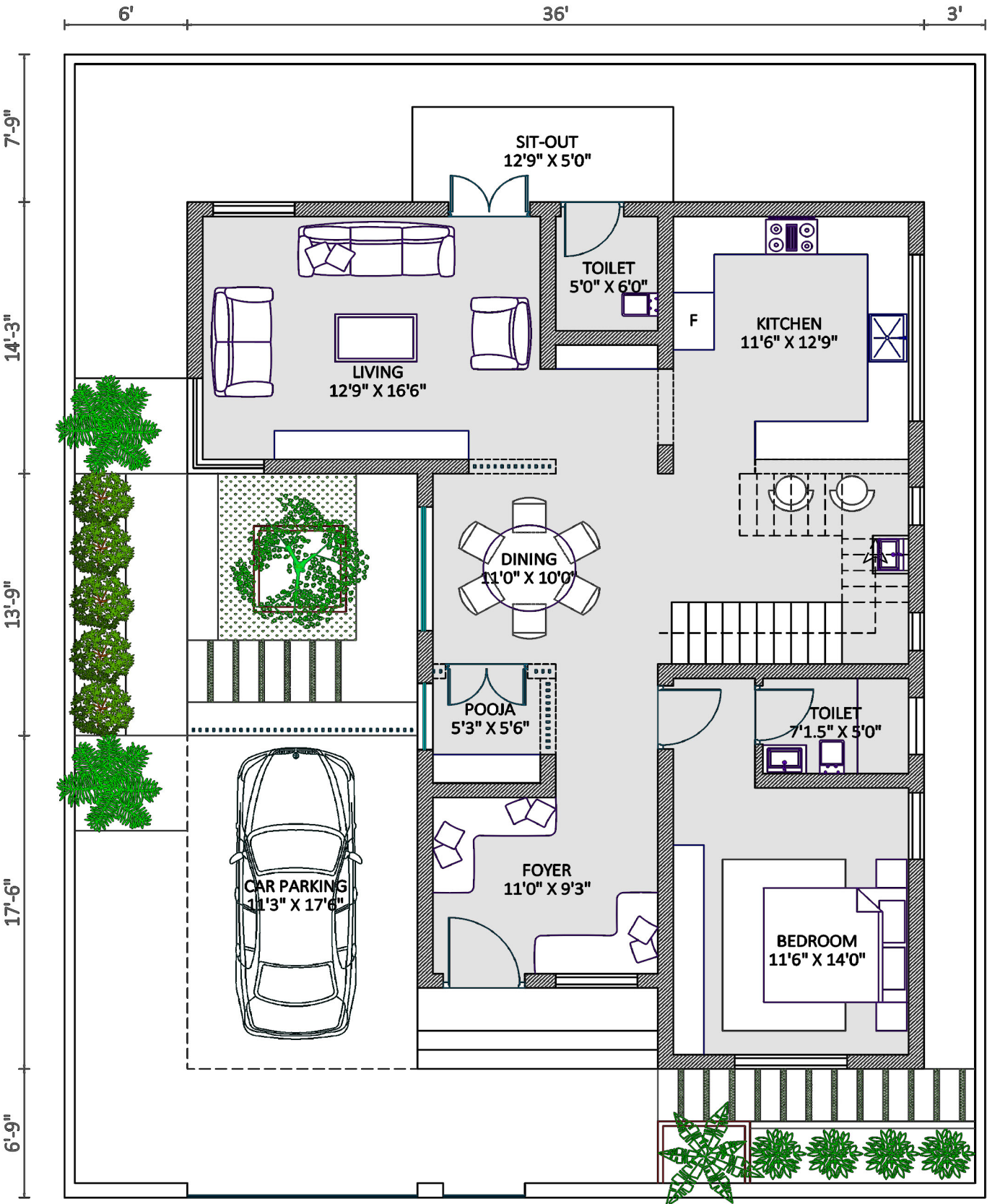


PROJECT NAME: SENTHIL, OOSUR, VELLORE
DESIGNED BY: AR. MICHEAL BARNALA AND TEAM

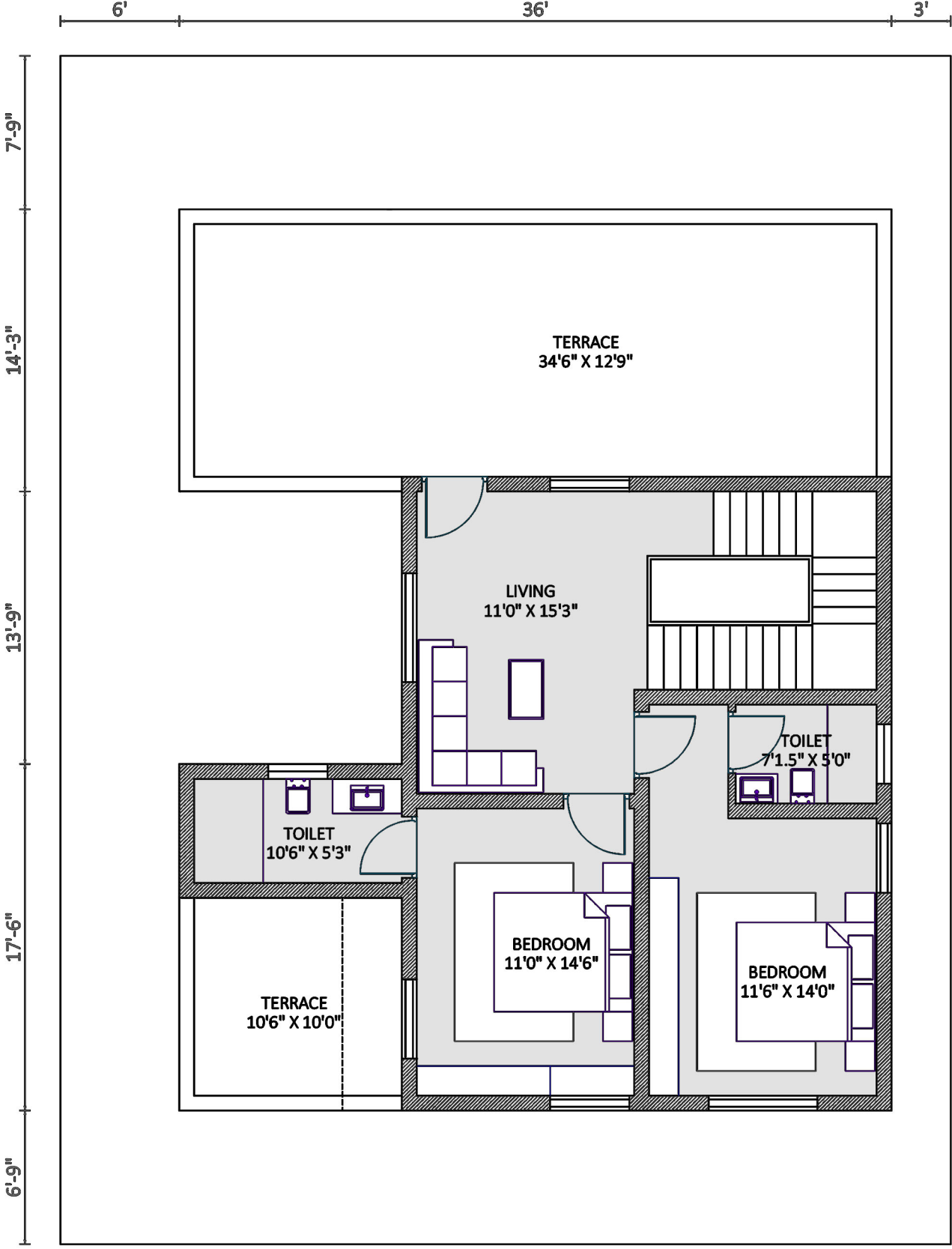
AREA STATEMENT
Site Area: 2700 sq.ft

Ground Floor Plan
Total Built-up Area: 1547 sq.ft
Plinth Area: 1286 sq.ft
Car Parking: 197 sq.ft
Sit-Out: 64 sq.ft

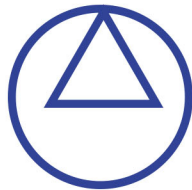
First Floor Plan
Total Built-up Area: 822 sq.ft

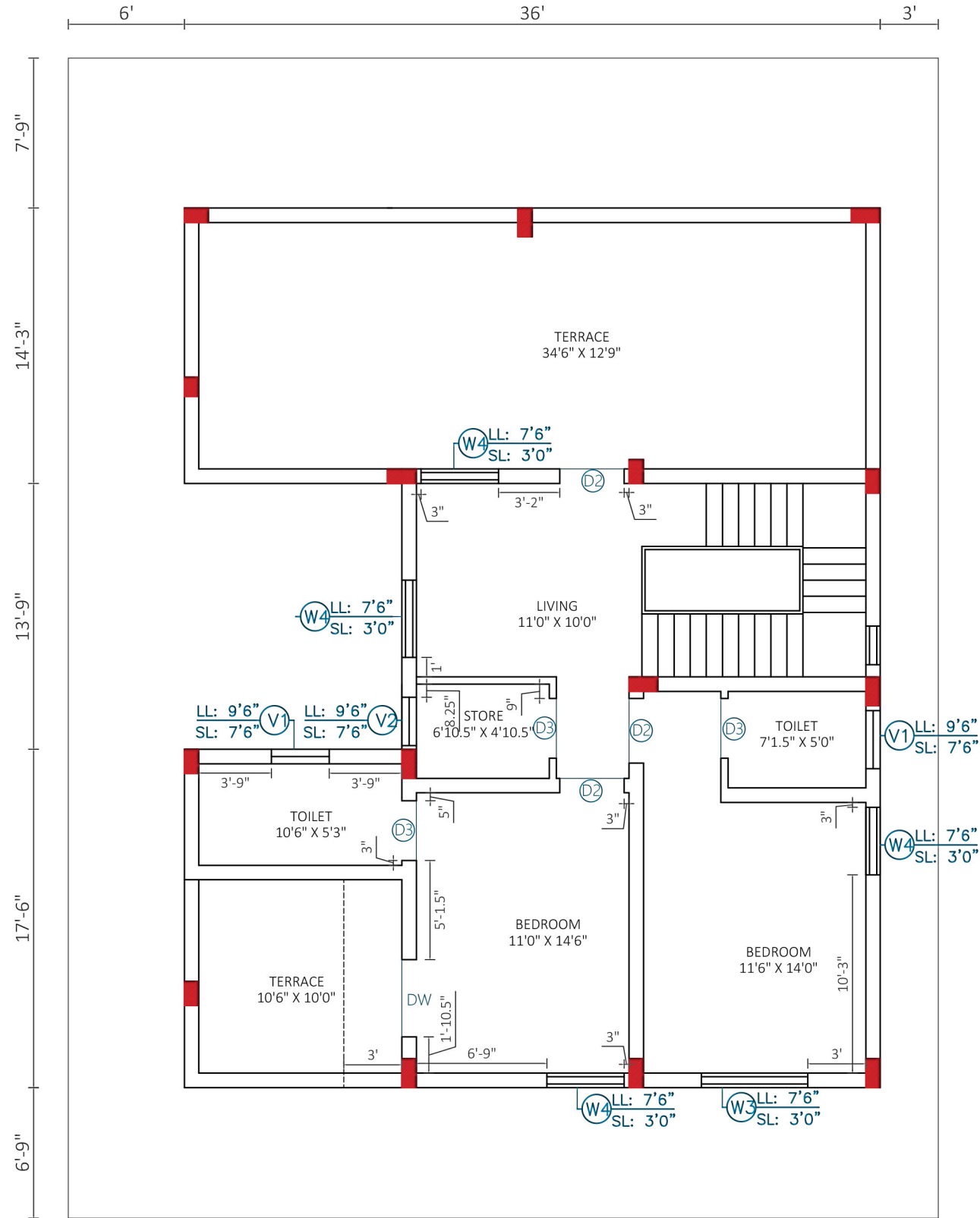
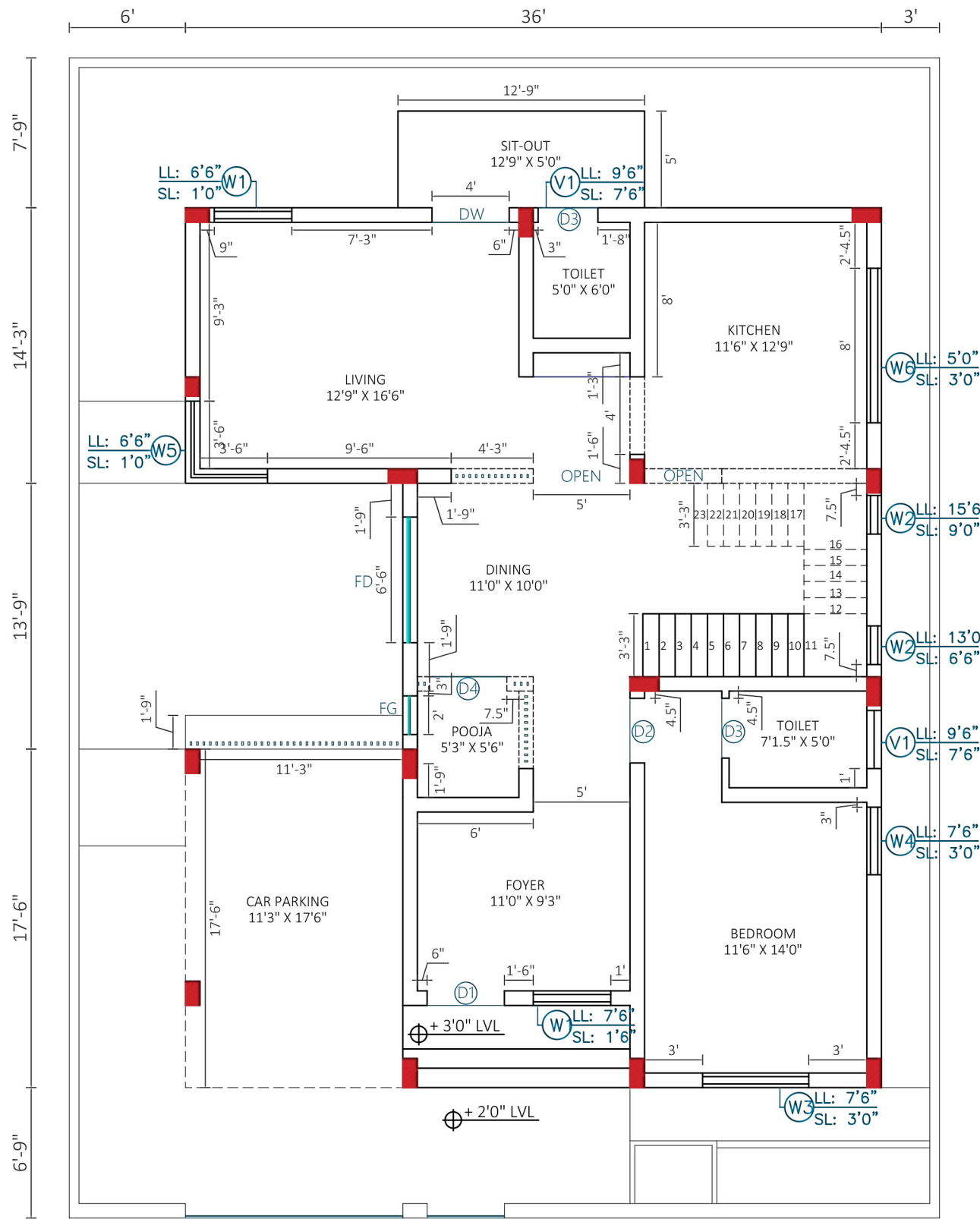


ROAD
GROUND FLOOR PLAN



FIRST FLOOR PLAN





PROJECT

SENTHIL RESIDENCE

LOCATION

OOSUR, VELLORE

NO. 16, 1ST FLOOR, A.G.M.COMPLEX,
AUXILLIUM COLLEGE ROAD,
VELLORE - 632006

DOOR WINDOW SCHEDULE									
L.NO.	SIZE	NO.	W1	4'0" X 6'0"	01	V1	3'0" X 2'0"	02	
D1	4'0" X 7'6"	01	W2	2'0" X 6'6"	02				
D2	3'4" X 7'6"	01	W3	5'6" X 4'6"	01				
D3	3'1" X 7'6"	02	W4	4'0" X 4'6"	01				
D4	4'0" X 7'6" (2)	01	W5	(3'6"+3'6") X 6'6" (CORNER WINDOW)	01				
DW	4'0" X 7'6"	01							
FG	6'6" X 7'6"	01	W6	8'0" X 2'0"	01				

REMARKS
DW - DOOR CUM WINDOW
FD - FRENCH DOOR
FG - FIXED GLASS

Supervisors to verify all dimensions on site before commencing work. Figured dimensions given are to be taken in preference to scaling. Copying of designs shown here is retained by this office. Authority is required for any reproduction.

SHEET

GROUND FLOOR -
MASONARY MARKING DRAWING

Project WD-13-21-01

Drawn by AMRITHAA

Date 05-01-2022

Checked by PRADEEP

SHEET NO.

03

SIGNATURE

PROJECT

SENTHIL RESIDENCE

LOCATION

OOSUR, VELLORE

NO. 16, 1ST FLOOR, A.G.M.COMPLEX,
AUXILLIUM COLLEGE ROAD,
VELLORE - 632006

DOOR WINDOW SCHEDULE									
L.NO.	SIZE	NO.	W1	4'0" X 6'6"	00	V1	3'0" X 2'0"	02	
D1	4'0" X 7'6"	00	W2	2'0" X 6'6"	00	V2	2'6" X 2'0"	01	
D2	3'4" X 7'6"	03	W3	5'6" X 4'6"	01				
D3	3'1" X 7'6"	03	W4	4'0" X 4'6"	04				
D4	4'0" X 7'6" (2)	00	W5	(3'6"+3'6") X 6'6" (CORNER WINDOW)	00				
DW	4'0" X 7'6"	01							
FD	6'6" X 7'6"	00							

REMARKS
DW - DOOR CUM WINDOW
FD - FRENCH DOOR
FG - FIXED GLASS

Supervisors to verify all dimensions on site before commencing work. Figured dimensions given are to be taken in preference to scaling. Copying of designs shown here is retained by this office. Authority is required for any reproduction.

SHEET

FIRST FLOOR -
MASONARY MARKING DRAWING

Project WD-13-21-01

Drawn by AMRITHAA

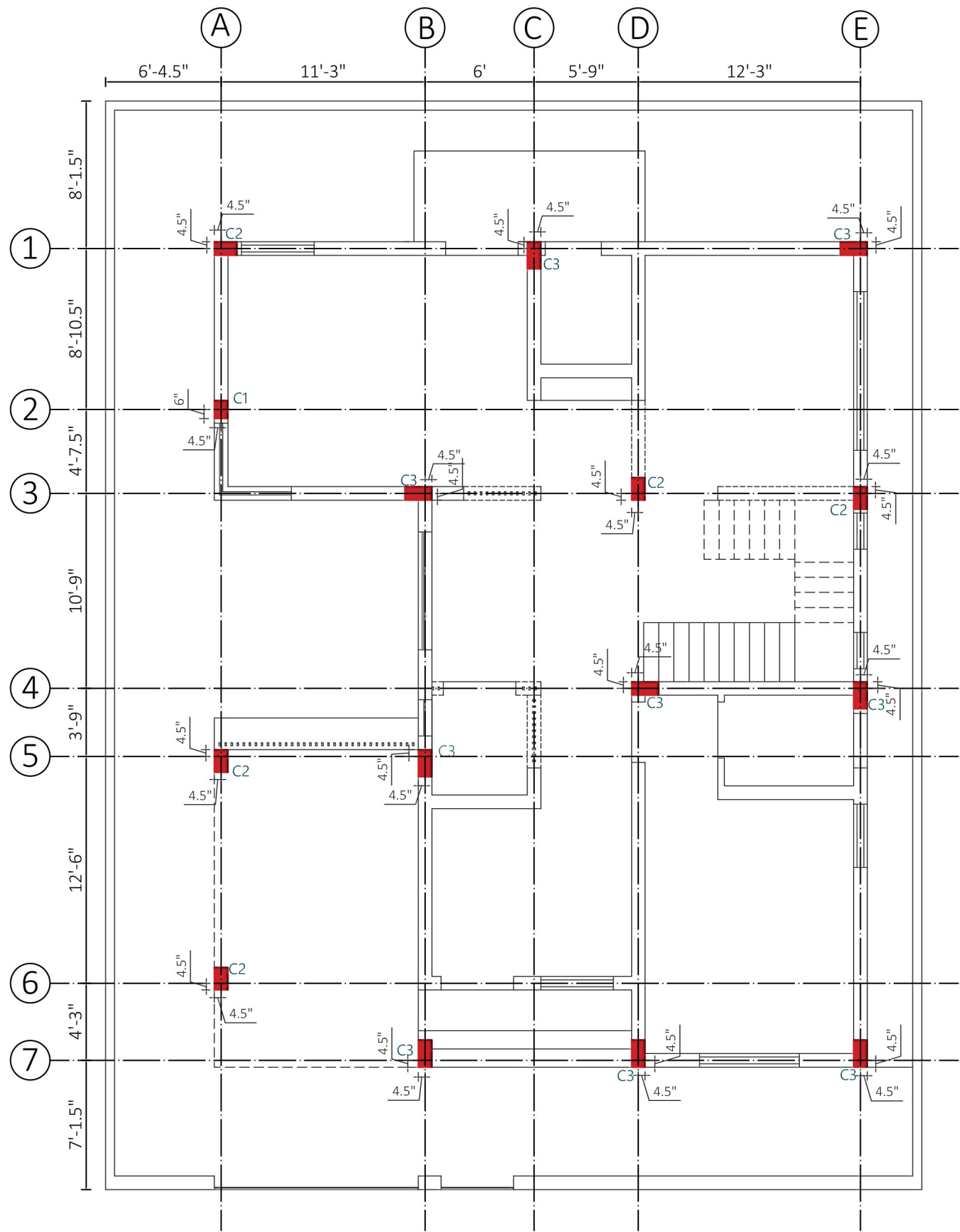
Date 05-01-2022

Checked by PRADEEP

SHEET NO.

04

SIGNATURE



PROJECT		 NO. 16, 1ST FLOOR, A.G.M.COMPLEX, AUXILLIUM COLLEGE ROAD, VELLORE - 632006		COLUMN SCHEDULE					
SENTHIL RESIDENCE				L.NO.	SIZE	NO.			
LOCATION OOSUR, VELLORE		Project		WD-13-21-01	Drawn by	AMRITHAA	Supervisors to verify all dimensions on site before commencing work. Figured dimensions given are to be taken in preference to scaling. Copying of designs shown here is retained by this office. Authority is required for any reproduction.	SHEET NO.	SIGNATURE
		Date		05-01-2022	Checked by	PRADEEP		05	
FLOOR PLAN - COLUMN MARKING DRAWING									