

PROFESSIONAL TRAINING REPORT

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

by

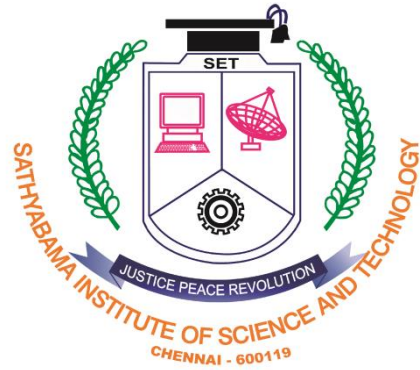
(Kaushika Perumal) (40890007)



**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)
Dec 2021- Jan 2022**

Name of the Student : Kaushika Perumal

Semester : VI

Batch : 2020-2022

Reg No. : 40890007



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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 **Kaushika Perumal 40890007** who had undergone training in **OVOID ATELIER** 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 **_Sheethal Amraotkar**

Internal Examiner

External Examiner



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E-mail: archhod@sathyabama.ac.in



DECLARATION

I **Kaushika Perumal** hereby declare that the Professional Training Report **Dec-01-2021 to Jan-01-2022** done by me under the guidance of **Ar. Supriti Mittal** is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 03:02:2022

PLACE : Chennai

A handwritten signature in blue ink, appearing to be "Kaushika", is written over a light blue grid background. Below the signature, there is a small text "Scanned with CamScanner".

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 proressive training session.

I would like to express my sincere and deep sense of gratitude to **Ar. SUPRITI MITTAL (OVOID ATELIER)** 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. SUPRITI MITTAL

OVOID ATELIER



Date: 19-11-2021

To,

Kaushika Perumal,
Sathyabama Institute of science and technology,
Chennai.

Dear Kaushika Perumal,

Ovoid Atelier is pleased to offer you an educational internship opportunity and appoint you as an Intern for a period of 2 months (Dec- 2021 to Jan- 2022) Starting from 01-12-2021.

- Studio working hours: Monday to Saturday: 8:45 am to 6:00 pm.
- No leave will be sanctioned in the 1st month, unless it is an emergency.

You shall devote your full effort and time to the Studio and agree to perform your duties faithfully and to the best of your ability.

Supriti,
Founder Architect,
Ovoid Atelier,
Puducherry

OVOID ATELIER
56 B, Thottakal Main Road,
Karamanikuppam, Mudaliarpeta,
PUDUCHERRY - 605 004.



22nd January 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **KAUSHIKA PERUMAL** undergoing M.Arch 4th semester in Sathyabama Institute Of Science and Technology, Tamil Nadu, has successfully completed her internship from 1st December 2021 to 22nd January 2022 in our firm.

Supriti Mittal,
Founder Architect,
Ovoid Atelier,
Puducherry

Supriti Mittal, B.Arch
Regd. No. CA/2000/26790
OVOID ATELIER
56, Thottakal Main Road,
Karamanikuppam, Mudaliarpet
Puducherry - 605004.

WEEKLY REPORT

(Annexure –VII)

1st Week Report.


SATHYABAMA
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 Phone: 044 - 2450 3150 / 3151 / 3152 / 3154 / 3155 Fax: 044 - 2450 2344
 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)

- Name of the office / organization : QVOID ATELIER
- Address & Contact Number : No 56, Thottakal Main Road, Karamanikuppam, Puducherry 605004
- Name of the student : KAUSHIKA PERUMAL
- Duration : From 01/12/2021 To 04/12/2021
- Total No. of days : 04
- 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)

Suprithi

Suprithi Mittal, B.Arch
 Regd. No. CA/2000/24790
 QVOID ATELIER
 56, Thottakal Main Road,
 Karamanikuppam, Mudaliarpet
 Puducherry - 605004.

2nd Week Report.


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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)

- Name of the office / organization : QVOID ATELIER
- Address & Contact Number : No 56, Thottakal Main Road, Karamanikuppam, Puducherry - 605004
- Name of the student : KAUSHIKA PERUMAL
- Duration : From 06/12/2021 To 11/12/2021
- Total No. of days : 06
- 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)

Suprithi

Suprithi Mittal, B.Arch
 Regd. No. CA/2000/24790
 QVOID ATELIER
 56, Thottakal Main Road,
 Karamanikuppam, Mudaliarpet
 Puducherry - 605004.



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3rd Week Report

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 : VOID ATELIER
2. Address & Contact Number : No 56, Thottakal Main Road, Karamanikuppam, Puducherry - 605004
3. Name of the student : KAUSHIKA PERUMAL
4. Duration : From 13/12/2021 To 18/12/2021
5. Total No. of days : 06

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)

[Signature]

Supriti Mittal, B.Arch
Regd. No. CA/2000/26790
VOID ATELIER
56, Thottakal Main Road,
Karamanikuppam, Mudallarpet
Puducherry - 605004.



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4th Week Report

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 : VOID ATELIER
2. Address & Contact Number : No 56, Thottakal Main Road, Karamanikuppam, Puducherry - 605004
3. Name of the student : KAUSHIKA PERUMAL
4. Duration : From 20/12/2021 To 25/12/2021
5. Total No. of days : 06
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

(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)

[Signature]

Supriti Mittal, B.Arch
Regd. No. CA/2000/26790
VOID ATELIER
56, Thottakal Main Road,
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Puducherry - 605004.



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DEPARTMENT OF ARCHITECTURE

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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 : Ovoid Atelier
No 56, Thottakal Main Road, Karamanikuppam
- Address & Contact Number : Puducherry - 605004
- Name of the student : KAUSHIKA PERUMAL
- Duration : From 27/12/2021 To 31/12/2021
- Total No. of days : 05
- 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				

(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)

[Signature]

Supriti Mittal, B.Arch
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DEPARTMENT OF ARCHITECTURE

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No 56, Thottakal Main Road, Karamanikuppam
- Address & Contact Number : Puducherry - 605004
- Name of the student : KAUSHIKA PERUMAL
- Duration : From 03/01/2022 To 08/01/2022
- Total No. of days : 06
- 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	✓				
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Site Management / Discussion with clients					-
Overall Grading*	8				

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[Signature]

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1st Week Report

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- Address & Contact Number : No 56, Thottakal Main Road, Karamanikuppam, Puducherry - 605004
- Name of the student : KAUSHIKA PERUMAL
- Duration : From 10/01/2022 To 13/01/2022
- Total No. of days : 04

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	✓				
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Preparation of concept for projects	✓				
Site Management / Discussion with clients	✓				

Overall Grading*	8
------------------	---

(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)

[Signature]

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8th week Report

DEPARTMENT OF ARCHITECTURE

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- Address & Contact Number : No 56, Thottakal Main Road, Karamanikuppam, Puducherry - 605004
- Name of the student : KAUSHIKA PERUMAL
- Duration : From 18/01/2022 To 22/01/2022
- Total No. of days : 05

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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Schedule preparation & tracking activities	✓				
Preparation / Management of drawings	✓				
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Preparation of concept for projects	✓				
Site Management / Discussion with clients	✓				

Overall Grading*	8
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(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)

[Signature]

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OVOID ATELIER
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Karamanikuppam, Mudaliarpet
Puducherry - 605004.

WORK DIARY

(Annexure –VIII)

DATE	PROJECT NAME	WORK DONE	DATE	PROJECT NAME	WORK DONE
1-12-21	BALU	Site 3D			
6-12-21	Mira Alex	Concept presentation			
8-12-21	Shalani Girish	Concept developement			
13-12-21	Shalani Girish	Concept development 2			
20-12-21	Shalani Girish	Iteation 1 Radiation analysis			
22-12-21	Shalani Girish	Iteration 2 Radiation Analysis			
27-12-21	Shalani Girish	Concepet And Iteration presentation			
31-12-21	Balu	Toilet detail drawing			
3-1-22	Shalani girish	Prototype elevation iteration in 3d			
10-1-22	Shalaini girish	Main building Concept			
17-1-22	Shalani Girish	Main building Concelt 2			
19-1-22	Shalani girish	AAc material study			

Chief Architect Signature:

Supriti



Office seal:

Consolidated Certificate (Experience)

Annexure – IX

Addressed to

The Head of the Department

Sathyabama Institute of Science and Technology

Rajiv Gandhi Salai, Jeppiaar Nagar,

Chennai-600 119

Tamil Nadu

Sub : Completion Letter for Professional Training reg.

This is to Certify Kaushika Perumal 40890007 student of 3rd Sem has completed the personal training successfully with ovoid atelier for 2 moths(Dec 2021- Jan 2022)

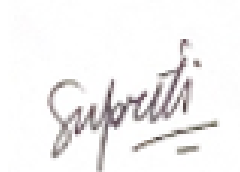


TABLE OF CONTENTS

CHAPTER NO	TITLE	PAGE NO
1.	GENERAL	
2.	HISTORY OF THE FIRM	
3.	PROJECT 1 DETAILS	
4.	DRAWINGS	
5.	PROJECT 2 DETAILS	
6.	PRESENTATION	
7.	DRAWINGS	

GENERAL

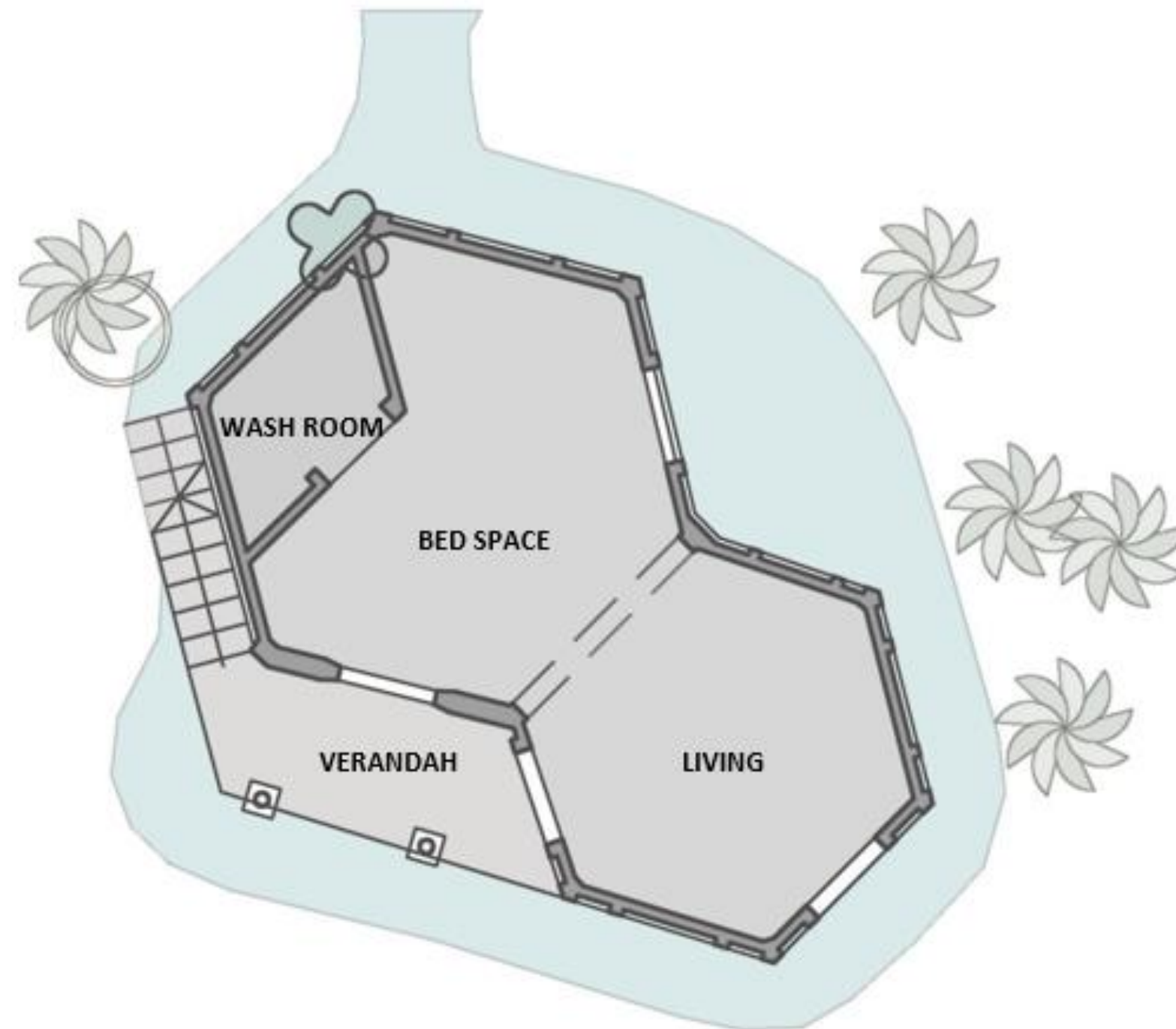
- It was a great experience working with OVOID ATELIER. Learnt to design buildings with the context and how to incorporate passive techniques in the building. Mainly learnt how to incorporate sustainability in planning

FIRM HISTORY

- OVOID ATELIER was established 20 years ago. Principle architect is NEELRATN and SUPRITI MITTAL. Passed out from SPA Delhi. They have been running this firm successfully and by doing sustainable projects for all these 20 years. The design is mainly based on sustainable planning and incorporating passive techniques. All most all their buildings are non-conditioned and have incorporated passive techniques .

Project Name: Shalani Girish
Location: Pondicherry

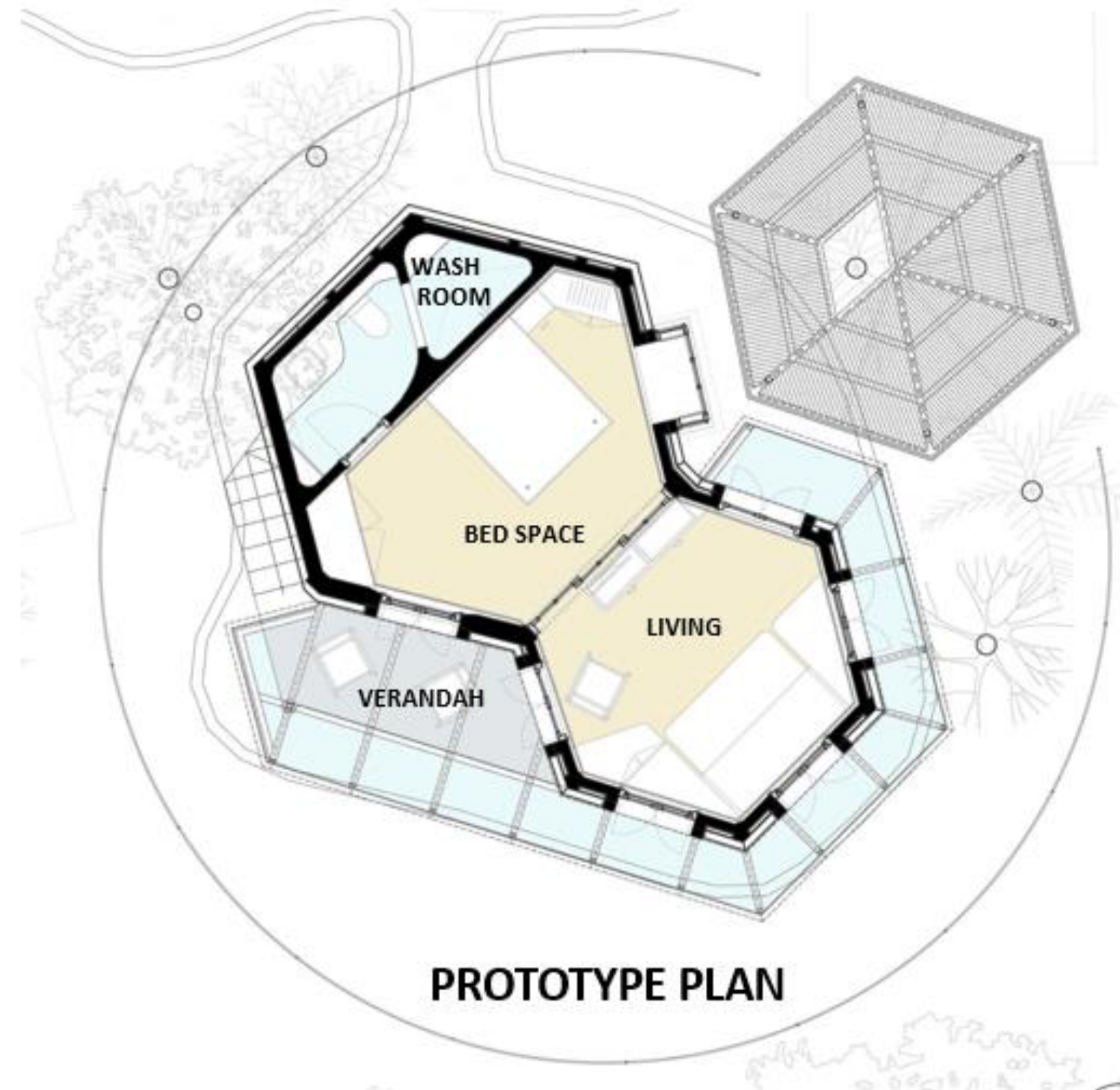
Work Done: Concept development



PROTOTYPE PLAN

Project Name: Shalani Girish
Location: Pondicherry

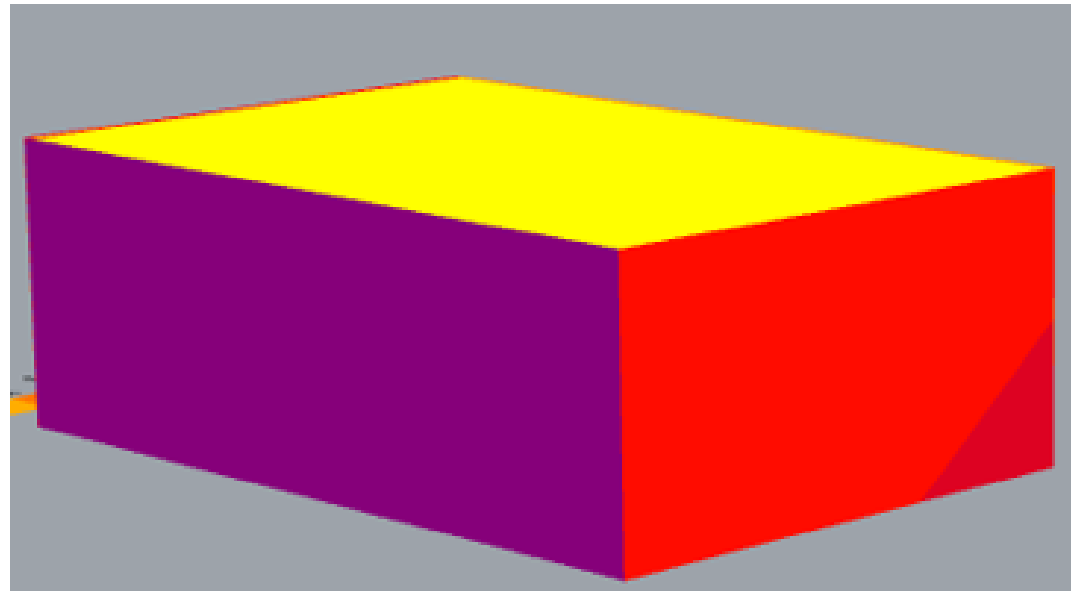
Work Done: Concept development 2



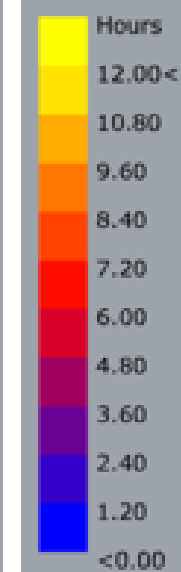
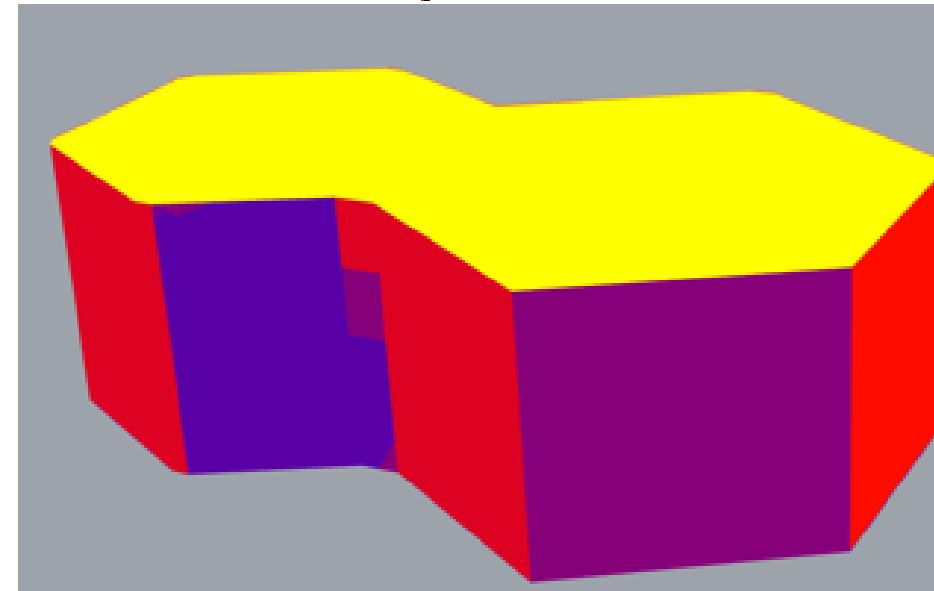
Project Name: Shalani Girish
Location: Pondicherry

Work Done: Basecase Proposed case
sun hours

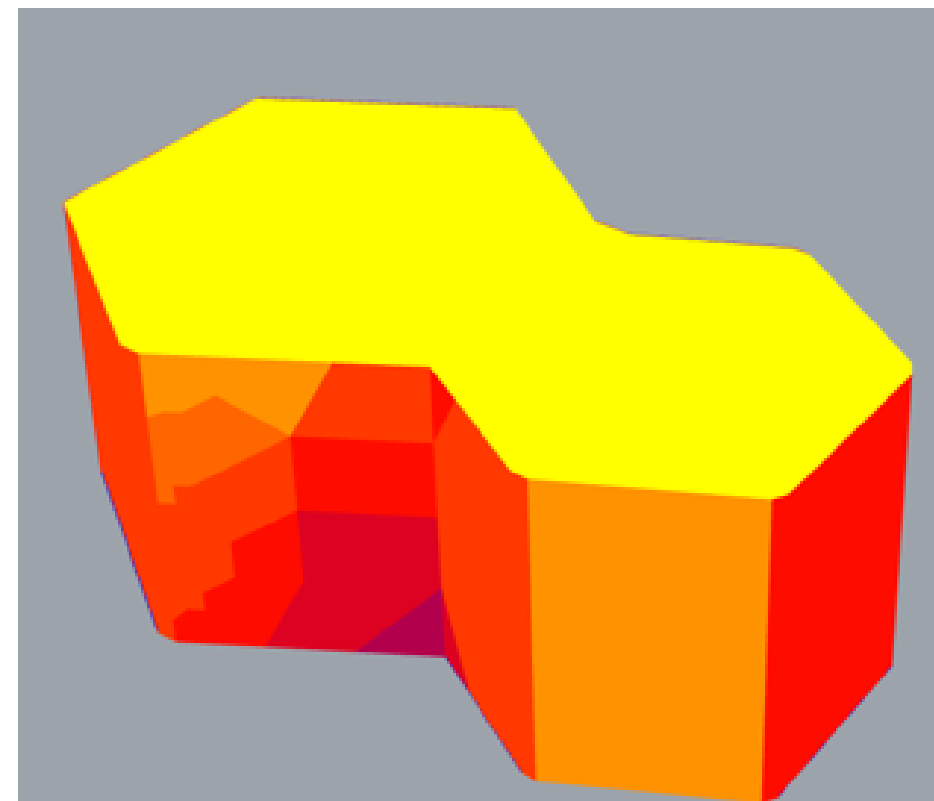
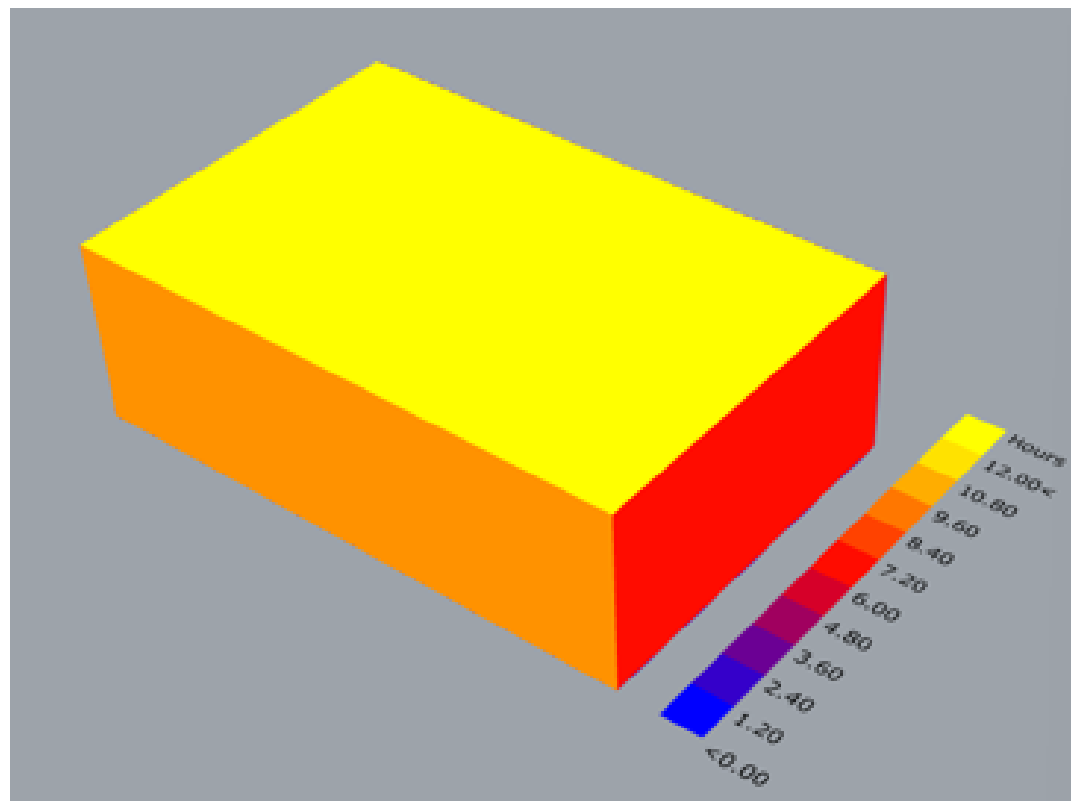
Base case



Proposed case



The readings
is recoded
on 22-09-21



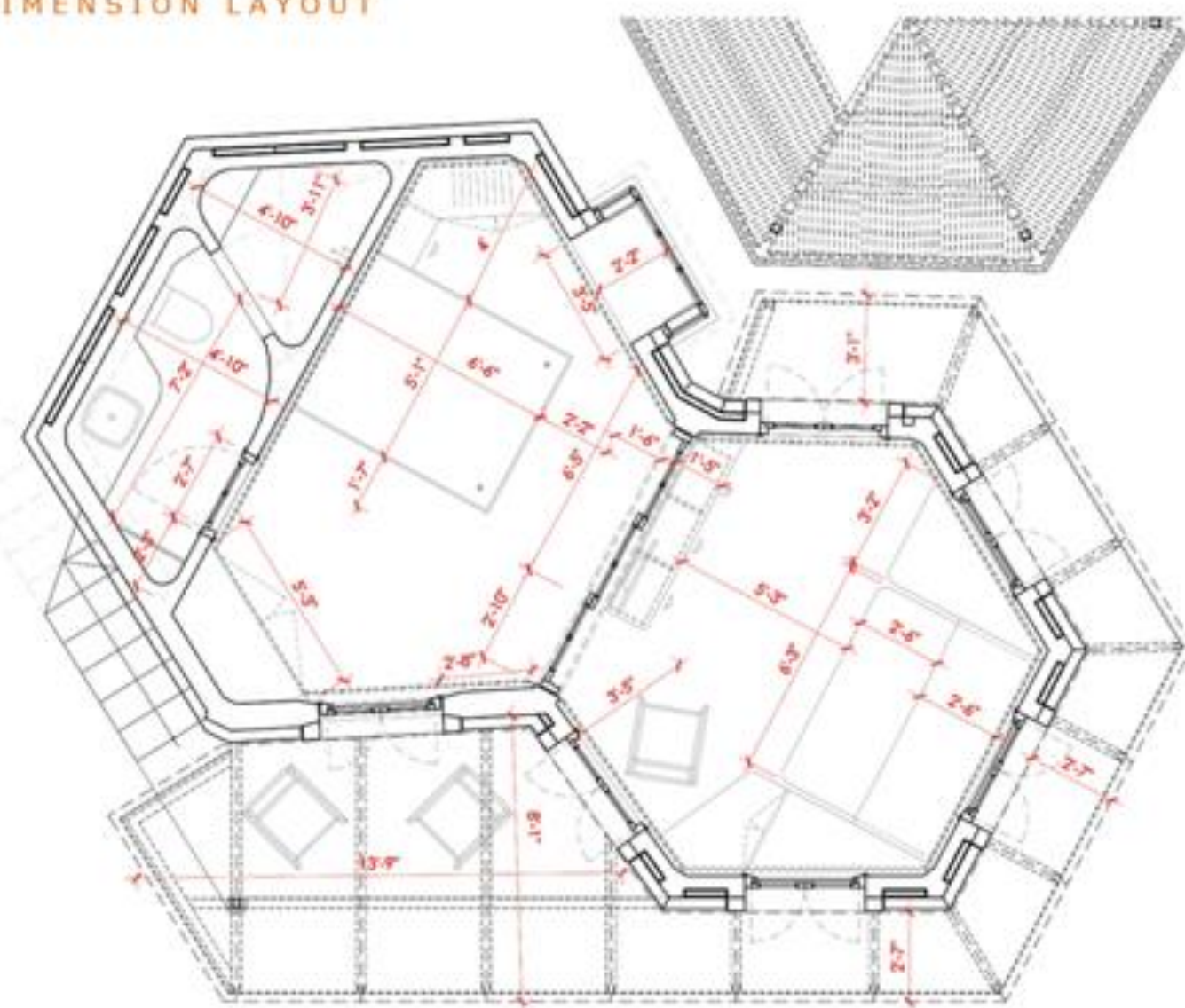
The radiation on the
south façade on the
base case receives
more sun hours
which leads to more
heat aging so the
proposed form is a
hexagon so the
breaks and angle in
the wall helps in
receiving less sun
hour the same wall

Project Name: Shalani Girish
Location: Pondicherry

Work Done: Concept presentation

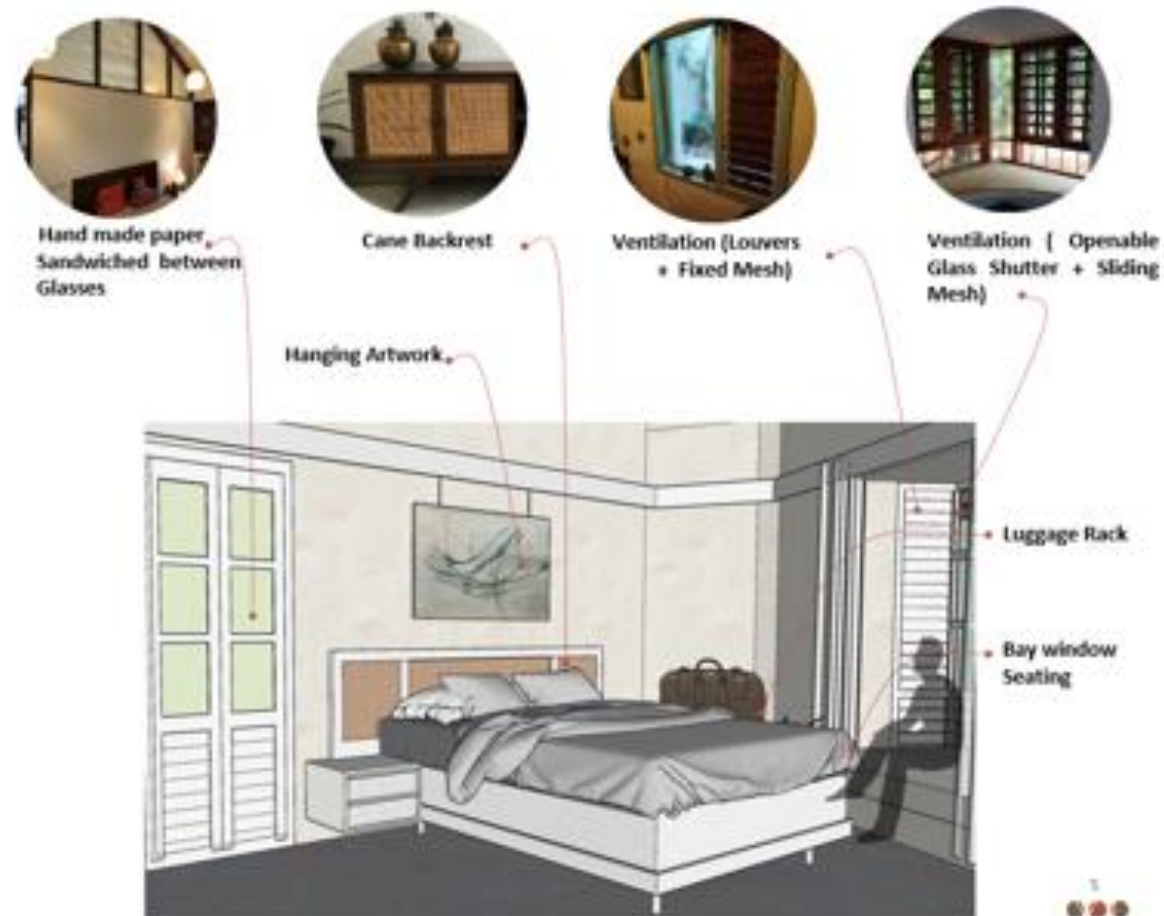


DIMENSION LAYOUT



Project Name: Shalani Girish
Location: Pondicherry

Work Done: Concept presentation



Project Name: Shalani Girish
Location: Pondicherry

Work Done: Concept presentation



LIVING AREA



BED SPACE

Project Name: Shalani Girish
Location: Pondicherry

Work Done: Concept presentation



Project Name: Shalani Girish
Location: Pondicherry

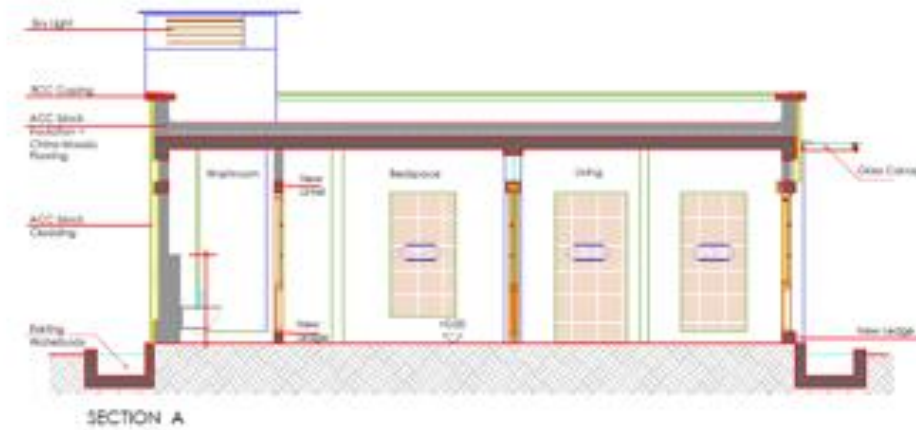
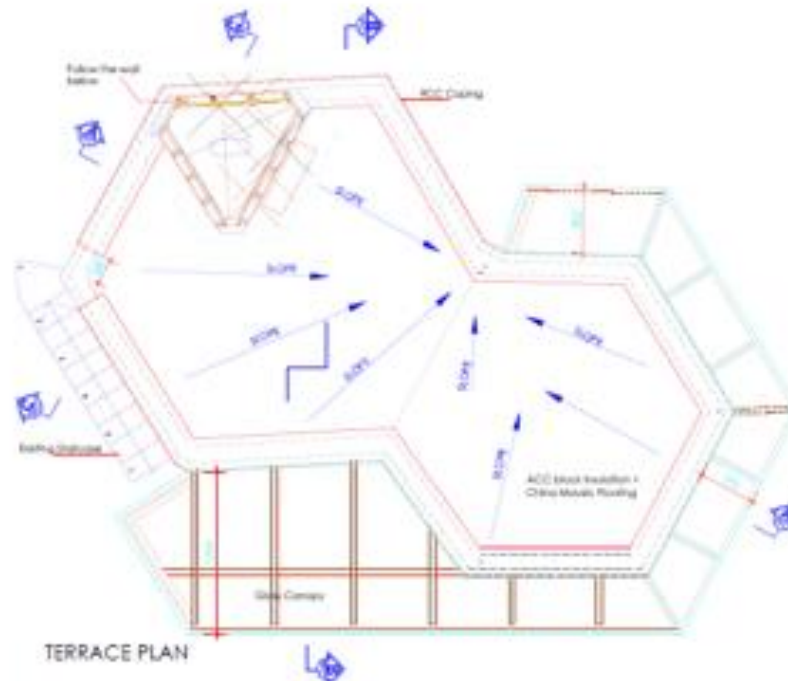
Work Done: External cladding



Project Name: Shalani Girish
Location: Pondicherry

Work Done: Working drawings

WD PLAN, SECTION



LEGEND

BRICK WALL
RCC
ACC Cladding

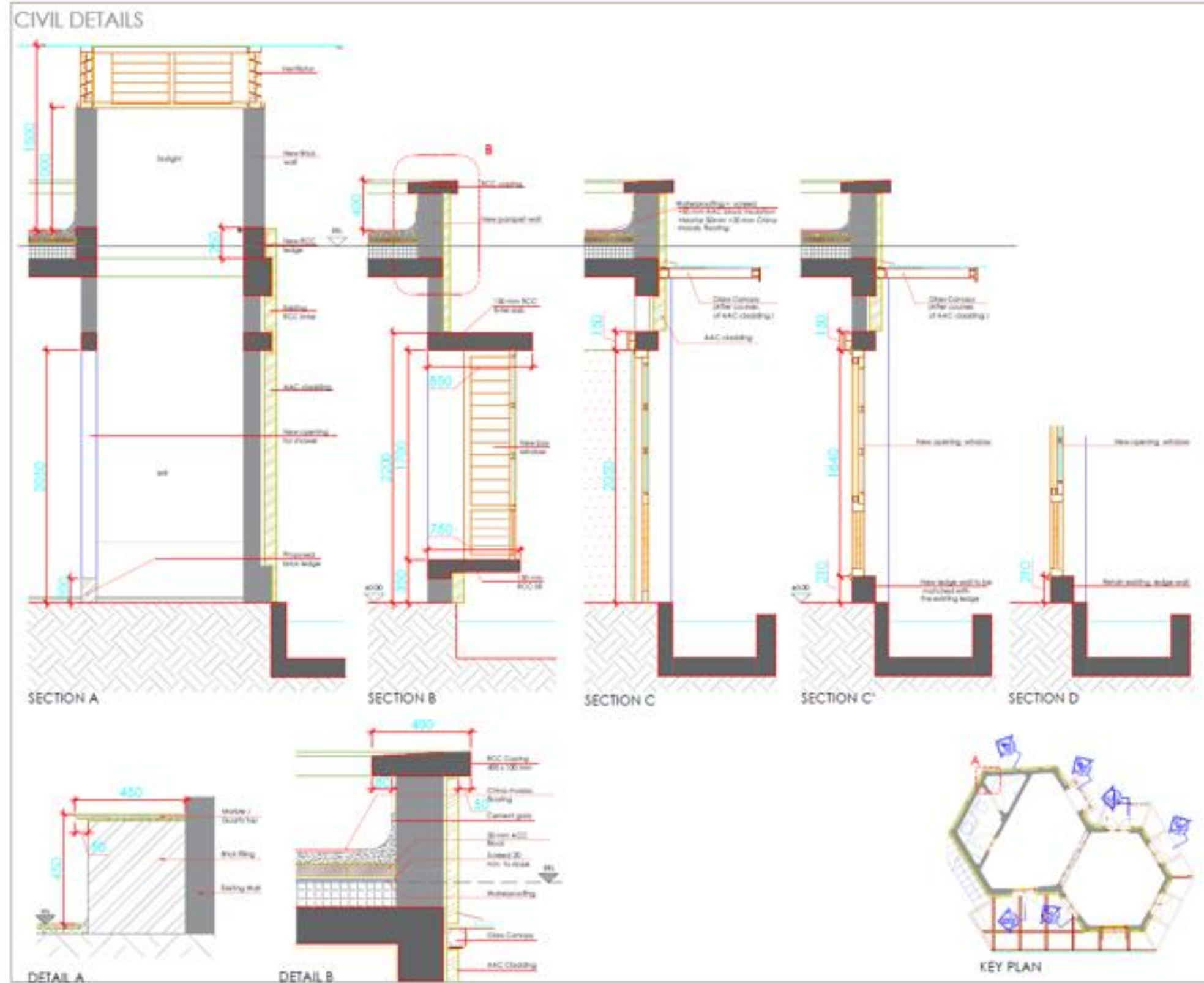
1. Retain existing rain water pipe
2. Follow the pinch wall for door window opening

Table of Levels

SLNO	OFFERING	BL	LEVEL	WIDTH	HEIGHT	LOC	LOCATION
01	01	+0.00	+0.00	1.04	2.07	1	Living Room
02	02	+0.15	+0.15	0.85	2.07	1	BR
03	W1	+0.05	+0.05	1.04	1.75	1	Bedroom (top window)
04	W2	+0.15	+0.15	1.12	2.07	1	Living Room
05	W3	+1.00	+1.00	2.34	0.95	1	Terrace
06	W4	+0.00	+0.00	1.34	2.07	1	Living Room

Project Name: Shalani Girish
Location: Pondicherry

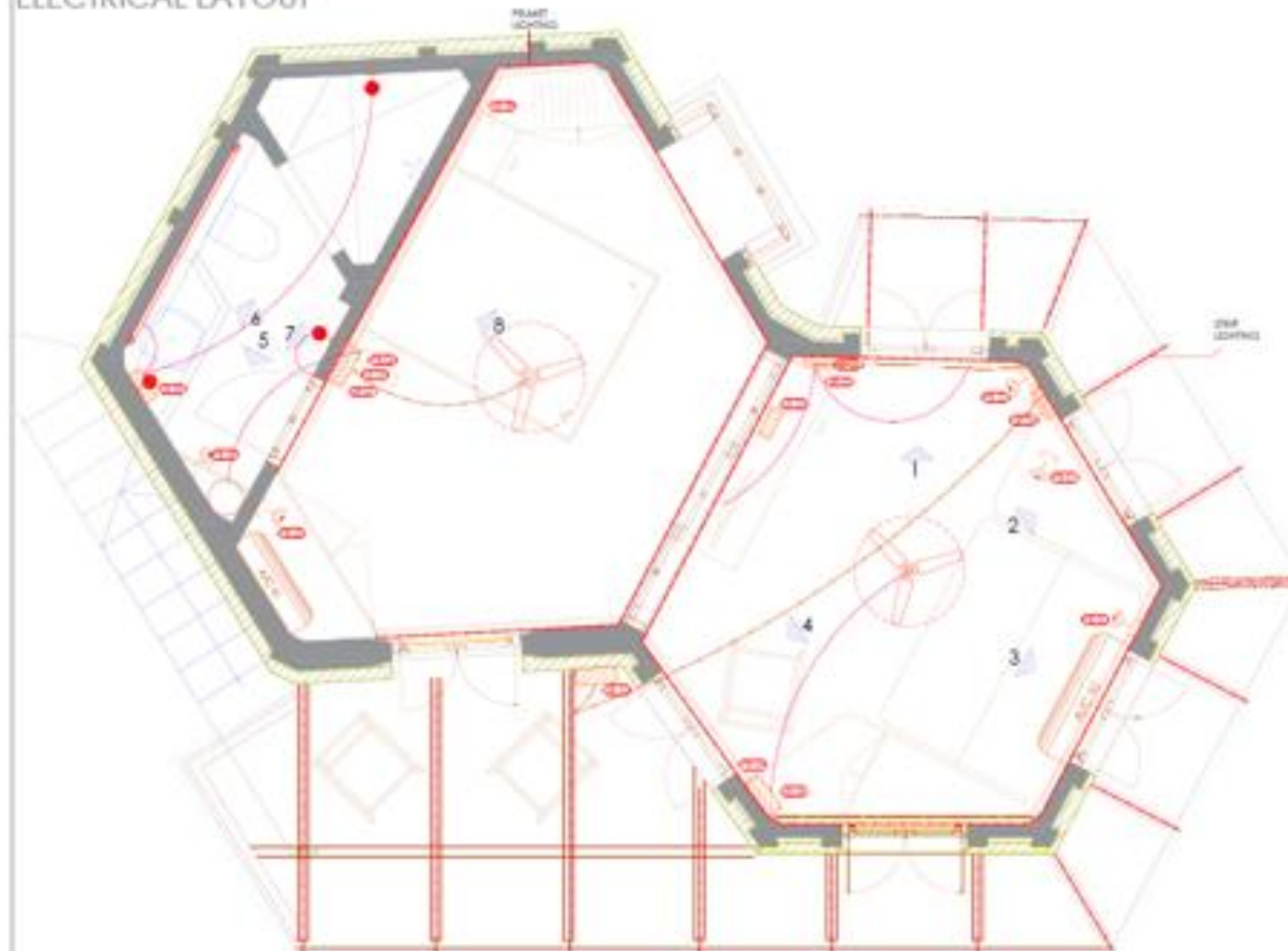
Work Done: Working drawings



Project Name: Shalani Girish
Location: Pondicherry

Work Done: Working drawings

ELECTRICAL LAYOUT



GROUND FLOOR PLAN

LEGEND

—	POWER CIRCUIT
—	LIGHTING CIRCUIT
—	LV

NOTE:

1. All sockets are UNIVERSAL SOCKET
2. PSB is not connected to general
3. A/C to be placed above petrol
4. ISB switch has to be placed inside TV unit
5. PS-01 has to be placed on the partition for fridge connection
6. Any mismatch at site to be clarified with the architect
7. Switch and sockets for fridge, A/C and Geyser are separated for convenience.

LEGEND

●	Wall mount light
—	10W Mini Light
—	SA Socket with switch
—	ISA Socket
—	One way
—	Two way
—	Existing Fan

Switch Board	Module	Switch Board Layout
LIVING ROOM		
SB-01 (1000)	1 MODULE	SA SOCKET WITH SWITCH TV PLANT LIGHTING SA SOCKET WITH SWITCH
SB-02 (1000)	2 MODULE	DATA POINT
SB-03 (1000)	1 MODULE	SA SOCKET WITH SWITCH
SB-04 (1000)	1 MODULE	SA SOCKET WITH SWITCH CANDY LIGHT (2 WATT) CANDY SA SOCKET WITH SWITCH
SB-05 (1000)	1 MODULE	SA SOCKET WITH SWITCH CANDY FAN CANDY SA SOCKET WITH SWITCH
BED ROOM		
SB-06 (1000)	1 MODULE	SA SOCKET WITH SWITCH FAN PLANT LIGHT SA SOCKET WITH SWITCH
SB-07 (1000)	2 MODULE	CANDY TOILET LIGHT
SB-08 (1000)	1 MODULE	SA SOCKET WITH SWITCH SA SOCKET WITH SWITCH
KITCHEN		
SB-09 (1000)	1 MODULE	SA SOCKET WITH SWITCH SWITCH LIGHT SWITCH LIGHT
SB-10 (1000)	1 MODULE	SA SOCKET WITH SWITCH
BATHROOM		
SB-11 (1000)	1 MODULE	SA SOCKET WITH SWITCH CANDY LIGHT (2 WATT)

Switch Board	Module	Switch Board Layout
LIVING ROOM		
SB-01 (1000)	1 MODULE	SA SOCKET WITH SWITCH FOR MODULE
SB-02 (1000)	2 MODULE	SA SOCKET FOR AC
SB-03 (1000)	1 MODULE	SWITCH FOR Fridge
SB-04 (1000)	1 MODULE	SWITCH FOR AC + Fridge
BED ROOM		
SB-06 (1000)	2 MODULE	ISA SOCKET (AC POWER)
SB-07 (1000)	2 MODULE	SWITCH FOR Geyser AND AC MANDRA
BATHROOM		
SB-08 (1000)	1 MODULE	ISA SOCKET FOR SHOWER

Project Name: Balu
Location: CBE

Work Done: Toilet Working drawings

