Mr. Gunaseelan

Trubode Radiation Site completion - report Appaswamy Arcus.

Introduction

1. Floor plan
2. EMR Heat Map
3. Audit Recommendations
4. Case Study
5. Site Installation photos
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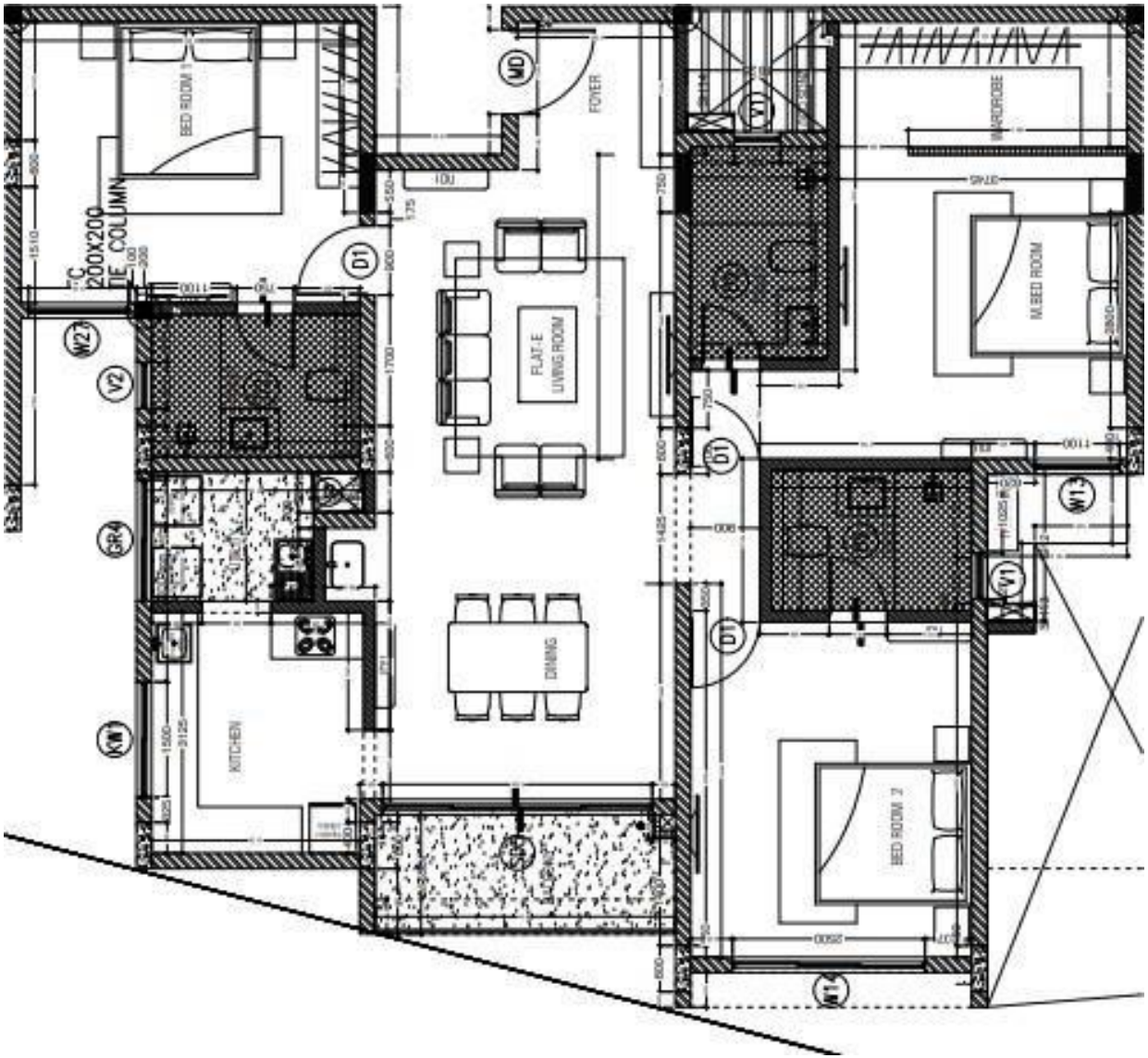

FLOOR PLAN

Flat E-2 EMR Heat Map

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-No concern -Slight concern -severe concern

➢ EMR Readings

All readings in µW/M2-Micro watts per meter square

Sl.no	Location	Max	Avg	Max avg	X	Y	Z	V/m
1	Hall	1018	585	901	411	929	68	0.729
2	Foyer	745	211	654	47	743	29	0.555
3	Bedroom 1	106	4	96	41	97	9	0.236
4	Kitchen	66	40	56	2	66	1	0.162
5	Bedroom 2	345	387	387	96	378	94	0.461
6	Bedroom 3	293	42	254	1	281	82	0.371

Note: EM Radiation levels in the range of 10 - 1500µW/m2 can be considered as Safe.

-No concern -Slight concern -Severe concern

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➢ Audit recommendations:

Location	Area to be secured	Recommendations
All Locations	Ceiling & Windows	▪ EM Film for windows ▪ EM Mesh for windows ▪ Anti-Radiation Coating for Ceiling

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➢ Case study:

- In Flat E2 the customer has medium exposure to radiation outside but still concerned about the future due to wireless devices, we suggested customer to do internal radiation treatment.

- Anti-radiation coatings, EM films,EM meshes are the three products we used in this site.

- Anti-radiation coatings are very good in electroconductivity we should do two coatings of paints in the walls & ceilings to absorb EM waves.

- Generally coating takes up to 24 hours to dry, after that grounding process needs to be done.

- After two coatings of paint, the grounding process needs to be done using copper wire and a metal plate on the two corners of the ceiling connected with the earth line.

Stage 1

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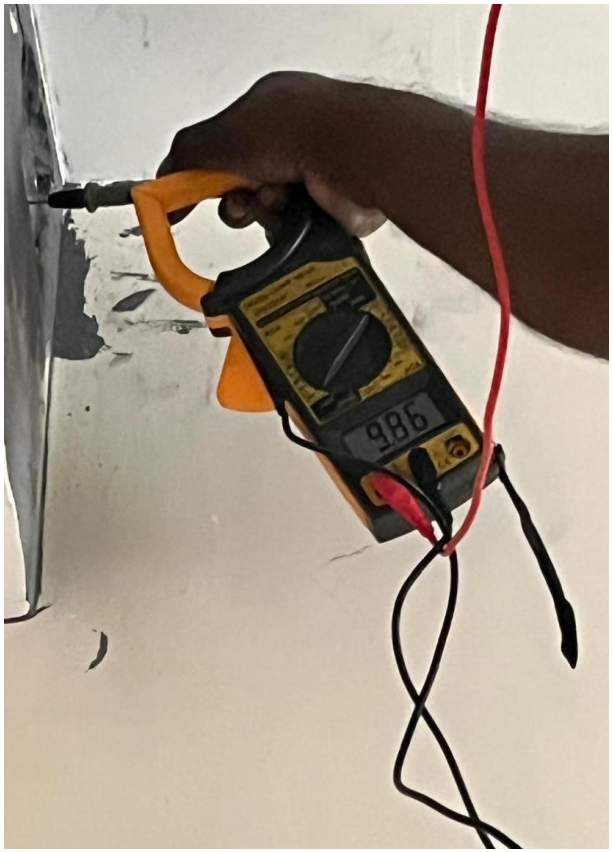
- Anti-radiation coating on ceiling

Stage 2

- **Metal plate along with copper wire connected to the earth line**

Stage 3

- **Electroconductivity checking on the paints**



The value between 1 to 20 is good conductivity, the above value is 9.86 after checking the values putty work will be started.

NOTE: The values are measured 20K resistance in ohm (Ω).

Stage 4

EM Films & EM Meshes

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Example photos of EM films and EM meshes of a completed site

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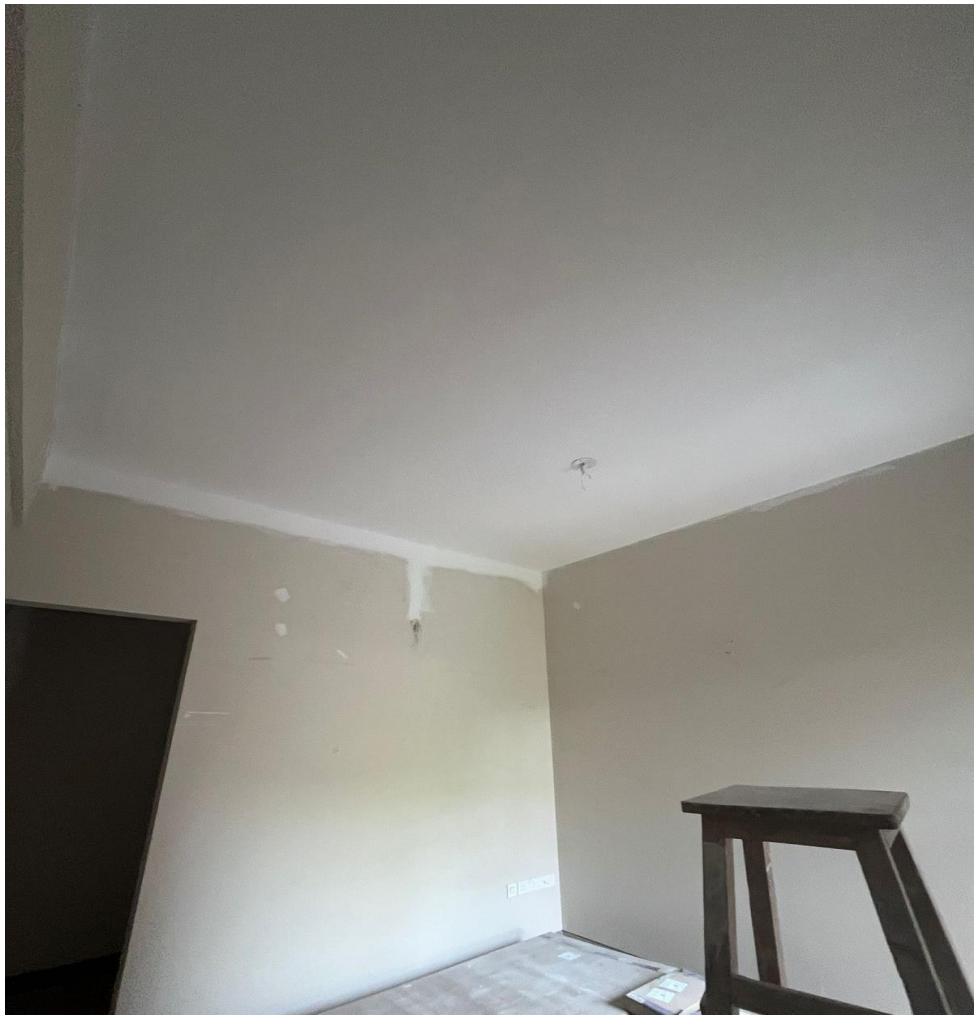
Final look after putty work & primer on ceilings



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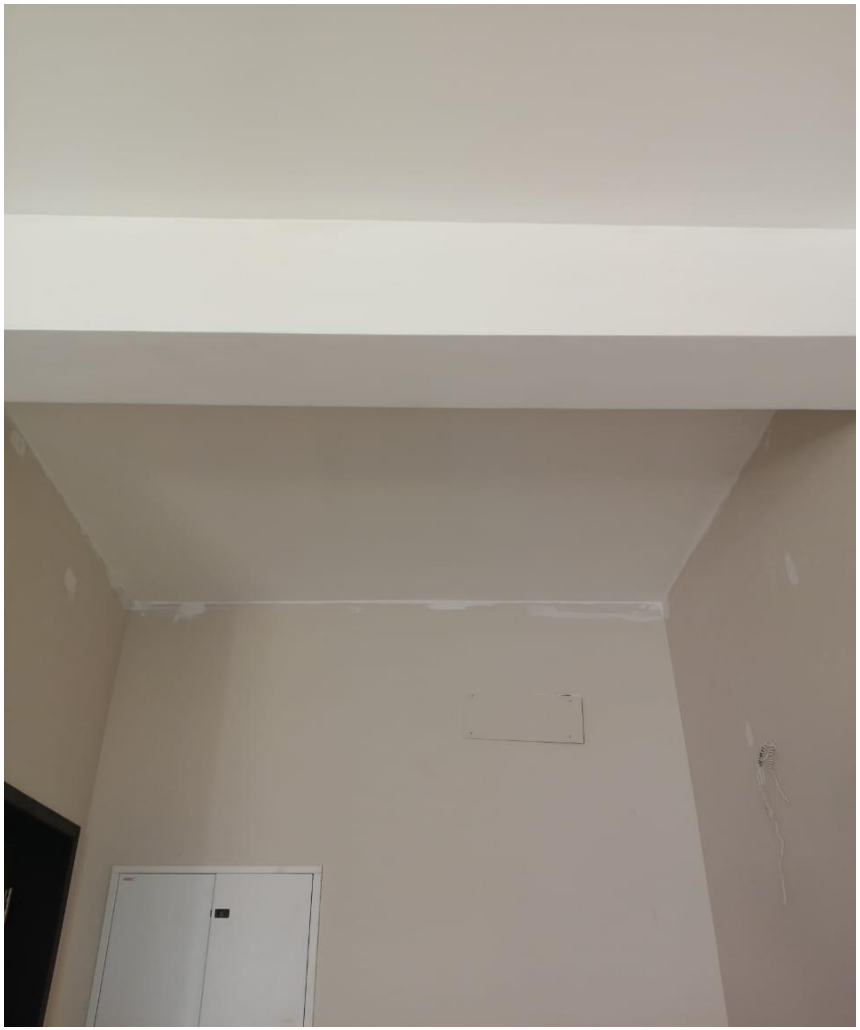

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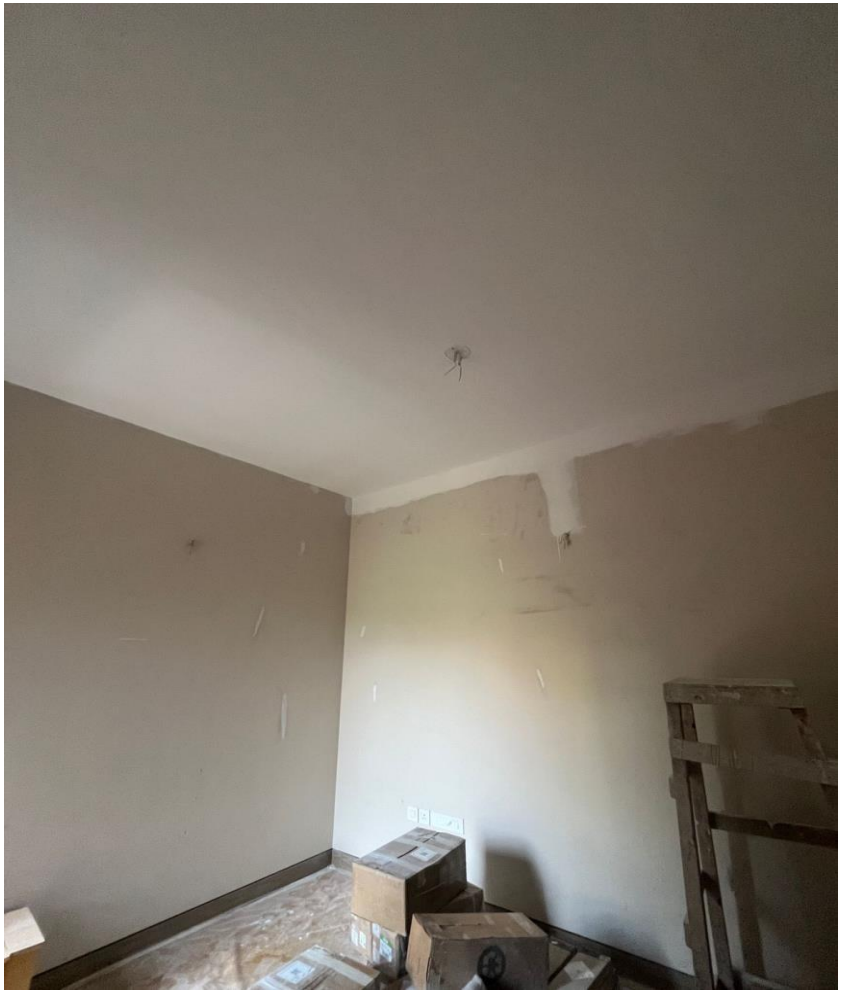

Conclusion:

The house is currently in its interior stage, and given the relatively low exposure levels at this location, we have recommended applying the anti-radiation coating only on the **ceiling**. In addition, we will install **EM meshes** and **EM films** on the windows to effectively block EM waves and UV rays.

Please note that the **EM films and meshes will be installed during the final stage of the interior work**, as earlier installation could result in contamination from construction-related dirt and debris. Deferring their installation ensures the effectiveness and longevity of the shielding.

Execution Timeline:

Once **grounding** and **anti-radiation painting** are completed, the next step will be **putty work followed by white primer application**.

The total time consumption for the site completion is 5-6 days. Based on the area time consumption can differs

We will continue to monitor progress and ensure timely execution while maintaining quality and safety standards.

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