1. Area envelope layout

2. Number of Rooms

3. Area of particular rooms

4. Want room integration or not?

5. Privacy: bathroom or bedroom should be discreet from living room or common room

6. Orientation of Building

7. Space Requirements

8. Lifestyle and needs

9. Purpose and Function

10. Outdoor Spaces: Patio, Balcony, Courtyard

11. Safety- What of fire break out occurred?

12. Cultural consideration: Vastushastra, bhagwan ka ghar?

13. Plumbing and electrification

14. Room Relationships

15. Wall Configuration (not necessarily rectilinear walls)

16. Structurally sound

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| --- | --- | --- |
| User Variables | Architectural | Miscellaneous |
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reference : Using genetic algorithm to automate the generation of an open-plan office layout

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