



PROBLEMS DETAILS

A) Design a residential building for a higher middle to upper class family with the following requirements:

- The site has frontage of 12m road, plot of 20 m x 22 m. Road is provided along 20m side of plot.
- There are six members in the family which include grandparents, parents and two children.
- The building must be energy efficient making optimum use of natural resources such as natural light, rain water and wind.
- The building should have proper waste management system.
- Maximum Floor Space Index permissible is 1.
- The structure should not exceed G+1.
- Front margin 3 m min; side and rear margins 2.5 m minimum.
- Hilltop is in west side and road is on the North side of the site.

OR

B) Design a public building meeting with following requirements:

- The public building may be Institutional Building, Shopping Complex etc.
- The site has frontage of 18 m road, plot area of 2000 sq. m.
- The building must be energy efficient making optimum use of natural resources such as natural light, rain water and wind.
- The building should have proper waste management system.
- Maximum Floor Space Index permissible is 2.
- The structure should not exceed G+2.
- Provide suitable parking and other essential areas.

A three dimensional (3D) model of building should be prepared to a suitable scale. A higher Vertical scale may be adopted if required.

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