

DESIGN OF A HOUSE IN TIMBER

by

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Project Report

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SUMMARY

The main objectives of the project "Design of a house in Timber" are:

1. To produce the architectural drawings of a two storey dwelling. The two-storey dwelling is designed by using timber as the main material. All members consisting the studs, walls and roofs are mainly made from wood.
The roof is designed as a pitch roof and tiles are provided as covering.
Thermal insulation and fire stops are provided in all members.
2. To carry out the structural design using timber as structural material. Considering that all spans are examined as simply supported the design is carried out. The section chosen is satisfactory only when the check for bending and deflection is satisfactory.
3. A comparison is to be made between the cost of Timber and Reinforced concrete dwelling stating the advantages and disadvantages of each.

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