

H.T.I

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF A CAR SHOWROOM IN STEEL

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Introduction:

Frame design is one of the oldest methods to construct buildings or bridges. But their time they use timber members. In our time we use steel trusses with great sections that we have in the market (UB, UC, SHS, est.).

Truss is a structure with straight pieces of metal. The pieces form a series of triangles, which support a load. When properly designed, these pieces are placed under tension and compression without bending.

There are several types of trusses, the king post truss, the fink, and the crescent, and others.

King Post:

A truss in which the vertical member connects the apex with the base of the triangle.

Fink:

A truss with a complicate system of triangular members.

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