

CHARACTERISTICS OF "BRICK BEAM" AND THEIR MODE
OF FAILURE UNDER VARYING PERCENTAGES OF
REINFORCEMENT.

by

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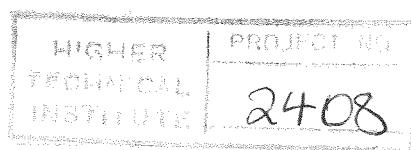
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SCOPE

The object of this project is to analyse the brickbeam using Ultimate limit estate theory.

Different lintels are used in building industry to support brickwalls over openings such as doors and windows.

The various types which are used today are the traditional concrete lintels, the brick lintels (brickbeams) and the steel lintels.

We will deal mainly with the behaviour of the brickbeams when loaded. After loading and testing the brickbeams the parameters to be studied are a) the mode of failure of the brickbeams under varying percentage of reinforcement b) a rough estimation of the cost of constructing a brickbeam will be carried out and it will be compared with the cost of a steel lintel.

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