

Comparison of British Code, Eurocode, and ACI for Punching Shear

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ABSTRACT

This research project is about the study and comparison of British Code, Euro Code, and ACI Code for punching shear. Punching shear is well known as one of the disadvantage on using flat slab design which are used very widely nowadays. This project will be revolving around the 3 standards which has its own distinct provision, calculation, requirements. The goal of this project is to learn the shear stress needed to design certain type of condition with the comparison to concrete shear strength. Hence different condition results may vary, the variance will be compiled and compared to get conclusion. Midas Gen and Microsoft Excel will be used extensively to reach the goal. Midas Gen will be used to design the model with variety of case, also the load, shear and moment will be obtained. On the other hand, Microsoft Excel will be used to calculate all the data available to reach the conclusion.