

## Abstract

Title : Mistakes Reduction for Structural Shop Drawings  
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Mistakes problems in the construction project due to several sources and partly from the mistakes in the structural shop drawing resulting the construction projects delays and higher project cost. This study aims to investigate the problems and mistakes in the structural shop drawing, identify the causes and factors of the problems, determine the ways to solve problems, develop and improve the shop drawing system in order to reduce the mistakes.

As to the study of statistical data in the mistakes on the construction of reinforced concrete structure within the project, the problems and mistakes as well as their impacts can be identified and classified. The structural drawing system improvement to reduce the mistakes and increase the drawing efficiency under the drawing arrangement system, flow of information, drawing database and inspection system is conducted by the use of discussion from focus group.

From the study, it is revealed that the main cause of the problem is from the detail in the structural shop drawing. After the improvement of the working system, the Shop drawing mistakes happened to be better comparing by the period of the first Project from 27 times to only three times in the second Project.