Abstract

Department of finance RI tower II Building is one of two tower, where that tower is consisted of 21 storys with initial condition using conventional reinforced concrete. In this final project will be modified by using steel-concrete composite.

Section of composite is consisted of Steel section profil and concrete, it was joined together to carried tension force and bending force. The frame that carry on tension force usually we called composite beam while the frame that carry on tension force and bending force we called column composite. The section of composite has inertia larger than section of concrete or steel that working alone. There by the section of composite can resist load larger ones or the same load with smaller bending at longer span.

The purpose of this final project is to make a rationally composite building structure without disregarding safety factor and function of building.

Keyword: building, composite structure
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