

ABSTRACT

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Apartemen B Residence Grogol Project

Method of Work Implementation and Calculation of Concrete Volume Requirement
of 9th Floor Column Zone 1 Type TC1

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(xvi+77+Attachment)

The B Residence Grogol Apartment Development Project is located on Jalan Raya Daan Mogot No.79, Kebon Jeruk District, West Jakarta, DKI Jakarta. This apartment has 1 tower with a building area of $\pm 5.000,00 \text{ m}^2$ and a building height of 84,50 m. The owner of this project is PT Dwitunggal Kreasindo in collaboration with PT Nusa Raya Cipta as the main contractor, PT Dwitunggal Kreasindo as construction management, PT Suradjin Sutjipto, INC planning consultant, PT Megatika Internasional as architectural consultant with a contract value of Rp. 150.000.000.000,00, -. The type of contract used is lump sum fixed price. Observations made during practical work activities are related to the method of implementing column work. The method of implementing column work starts from marking or determining axes, reinforcement fabrication, column reinforcement installation, column reinforcement checklist, formwork installation, formwork checklist, casting work, formwork dismantling and concrete curing. The column concrete volume requirement for column type TC1 zone 1 floor 9 at the B Residence Grogol Apartment Project is $27,178 \text{ m}^3$, equivalent to 4 mixer trucks with a mixer truck capacity of 7 m^3 .

Keyword: Implementation Method, Column, Concrete Volume