

ABSTRACT

Husein Rifai, 13316326

The Newton 1 at Ciputra World 2 Development Project.

The Implemetation Method of Beam Work and Concrete Calculation on 20th Floor Zone 1 X-Direction.

Departement of Civil Engineering. Faculty of Civil Engineering and Planning.

Gunadarma University.

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The Newton 1 at Ciputra World 2 Development Project located on 212 Karet Sawah Street, District Karet, Semanggi, South Jakarta, Special Capital Territory of Jakarta. The building built on a land area of 6.308,68 m² and building area of 62.293,46 m². This Apartement has 2 tower consist of 35 floors. The Owner of this project is PT. Ciputra Adibuana who also acts as a supervisory consultant with PT. Rekacipta Kinematika as structural consultan and PT. Tatamulia Nusantara Indah as the main contractor. One of the structures that cannot be removed from a building is the beam. Beams are structures that have function to deliver loads from plates to columns and also as a column binder. The implementation method of the beam consists of marking, scaffolding installation, formwork making, formwork installation, steel fabrication, metal installation, checking and casting. Calculation of casting needs of concrete material is also needed in order to determine the cost of the required. Based on the calculation, concrete needs as much as 23,14672607 m³.

Keywords : Implementation Method, Beams, Casting