ABSTRACT

Alle Rizik Syahputra Achmad, 10319557
The Taman Mini Indonesia Indah (TMII) Parking Structure (Elevated) Development Project. Method of Implementation and Calculation of Casting Volume Requirements AS 16A – 16F . Tie Beam
Department of Civil Engineering, Faculty of Civil Engineering and Planning
gunadarma University
(xiii + 71 + Attachments)

The Taman Mini Indonesia Indah (TMII) Parking Structure Development Project (TMII), is located within the Taman Mini Indonesia Indah (TMII) area, namely Jalan Taman Mini Indonesia Indah, RW.2, Ceger, East Jakarta City, Special Capital Region of Jakarta. Due to the G20 Event located at TMII, where the G20 is a multilateral cooperation forum consisting of 19 main countries and the European Union (EU), the construction of a parking building is one of the side locations for the G20 Event. The construction of this parking building consists of 4 floors and has a land area of 19,327 m2 with a building area of 25..450m2. The value of this project is Rp. 186,035,819,700. The Ministry of PUPR Cipta Karya is the owner (Owner), and appointed PT Hutama Karya (Persero) as the main contractor, and PT Indah Karya as the MK consultant. The implementation method of the tie beam is excavation work, formwork marking, formwork installation, work floor casting work, reinforcement work, checklist, casting work, and finally curing. The casting volume of tie beam As 16A-16F in the Elevated Parking Structure Construction Project is 6.9321 m3.

Keywords : Tie Beam, As 16A-16F, Casting