

ABSTRACT

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Stadium Project Sport Center Banten. Work Implementation Method and Calculation for Concrete Volume Requirements on Tribune Tilt Beams in Axles 56-Axles 57.

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(XIIIV+85+Attachment)

Serang City is a capital city that is lagging behind in its development compared to other capital cities on the island of Java. There are several stadiums in Banten Province but there are still no international ones, therefore the construction of this stadium is one step in advancing the development of the capital city of Serang and the state of Indonesia. The Banten Sport Center Stadium project is located at Jalan Raya Serang-Pandeglang Banten Sport Center, Sindangsari, Kec. Pabuaran, Serang, Banten. The stadium was built on an area of 66,9679 Ha, with a building area of 82.000 m² has 5 floors with a tribune floor, with a building capacity of 30.000 seats. The owner of the Banten Sport Center Stadium project is the Public Housing and Settlement Service. Implementation of the Banten Sport Center Stadium project completion time 512 calendar days. Observations made in the field were in the form of superstructure work which included column, beam, floor slabs, and precast tribune. The method of implementing tribune tilt beam work is carry out field survey, tribune tilt beam billing fabrication, body formwork installation, tribune tilt beam iron installation, tribune tilt beam casting, formwork dismantling, and tribune tilt beam maintenance. The concrete volume requirement for tribune tilt beam structures in axles 56-axles 57 is 14,925569 m³ which is equivalent to 3 mixer truck with a capacity of 7 m³.

Keywords: tribune tilt beams, Method, Concrete Volume