

ABSTRACT

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Thamrin Nine Central Jakarta Development Project

Method of Implementation and Calculation of Steel Volume Needs on Podium Truss Floor 7A Zone A PR-E1 Point

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XII+83+Attachment

Thamrin Nine Central Jakarta Development Project, located at Jalan M. H. Thamrin No. 10 RT.009/RW.005, Kel. Kebon Melati, Kec. Tanah Abang, Central Jakarta City, DKI Jakarta. This building has a building area of ± 38000 m² and a building height of ± 385 m. Thamrin Nine became the only tallest building in Indonesia when this writing was made. The building consists of 80 floors of tower 1, 61 floors of tower 2, 6 basement floors, 8 floors of podium, and 10 floors of hotel. Construction of the project began in July 2013 and is expected to be completed in July 2022. PT. Putragaya Wahana applies as owner, PT. Acset Indonusa applies as the main contractor of phase 1, PT. Total Bangun Persada applies as the main contractor phase 2, and PT. Putragaya Wahana applies as construction management. With a contract value of Rp8,000,000,000,000.00. The type of contract used is lump sum fix price. The use of steel is increasingly applied to multi-storey buildings, the many advantages of steel compared to other materials commonly used for building structures make steel the main choice in terms of building structure making for buildings. This can be seen from the many uses of steel materials as construction building materials, one of which is on the podium roof frame building at the Thamrin Nine Central Jakarta construction project. Calculation of steel needs is done to determine the amount of steel needed to determine the cost required of a building structure. The lifting process on the steel frame truss zone A in as PR-E1 using a manual process, which is a pulley that works pulled using human power, this process runs for approximately 2 days without stopping.

Keywords: Implementation of Method, Steel Structure, Calculation of Steel Volume Needs