

ABSTRACT

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The construction project of Tower B of Ayasa Nuansa Cilangkap, a case study of visualization of field work on the method of implementing bored pile work and calculating the need for reinforcing iron BP-68 Zone 3.

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(XVII+89+Attachment)

The construction project of Tower B of Ayasa Nuansa Cilangkap Tower is located on Jl. Raya Cilangkap No.1 RT.05/RW.01, Cilangkap Village, Cipayung District, East Jakarta City. The project is built on an area of 29,000 m², Tower B Menara Ayasa has 24 floors. Perumda Pembangunan Sarana Jaya as the project owner, PT Yodya Karya (Persero) as the construction management and PT Pratama Widya as the Bored Pile work contractor. The type of contract used is a combination of lump sum and unit price with a bored pile contract value of Rp.13,177,825,000.00. The existing field conditions consist of several works, such as preparation work, reinforcement fabrication, measurement work, checking the verticality of the drilling machine, drilling work, measuring hole depth, temporary casing installation, rebar cage installation, tremie pipe and tremie head installation, checking concrete quality, casting, removing temporary casing, soil disposal. The reinforcing iron requirement in bored pile BP-68 Zone 2 is D25 mm main reinforcement of 1643,843 kg and the weight value of D13 mm spiral reinforcement iron is 402,317 kg.

Keywords: *Bored Pile, Method, Reinforcement Steel.*