PC WALL GRAB SYSTEM

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PACKAGE 1 – ST. CAROLUS PROJECT

Location : Jl. Salemba Raya No. 41, Central Jakarta
Owner : Perhimpunan St. Carolus
Construction : (11 January - 10 July) 2016
Products : Inner-Bore PC Spun Pile (depth -21 m/nos)
          Ø 800 mm → 110 nos
          Ø 1200 mm → 96 nos
          : PC Wall as diaphragm wall
COMPARISON

FOR TENDER

D-Wall Precast
(1000 x 600) mm
H instalasi = (-26 m)
L produk = (13 + 13) m

REDESIGN

PC Wall
(800 x 800) mm
H instalasi = (-26 m)
L produk = (24,6) m

SEGMENTAL
NON-SEGMENTAL
REQUIRE JOINT
Hospital still operating normally during the construction
REALIZATION:
• Inner Bore Work: 12 June 2016
• PC Wall Work: 14 June 2016
• Capping Beam: 22 June 2016

WORK ORDER (SPK):
11 July 2016

29 DAYS FASTER
PC WALL WORK
BASIC CONCEPT
GUIDE WALL
MATERIAL & EQUIPMENT PREPARATION
BENTONITE-CEMENT MIXING
GRABBING

- Grabber
- Guide Wall
GRAB WORK

- Bentonite-Cement Installation

- 1st bite
- 2nd bite
- Middle bite

- Variasi antara 1 – 2.5 m

- 2.8 m

- 2.8 m
24/7 WORK DAY & NIGHT
CAPPPING BEAM WORK
1st STEP

Waller Beam
2nd STEP

3 mtr

7 mtr