



ROAM MARINE

Z Marine Pty Ltd
ABN 52 144 660 702
34 Crossways, Cnr Rokeby & Bagot Rd
Subiaco, WA 6008, Australia

Mb 0413 933 163
Phone 9381 9091
Email mhannaford@roam-marine.com
Web www.roam-marine.com

Project: Webb Dock

Client: Austral
Contractor: McConnell Dowell
Year: 2014

Project scope:

Piling works for the construction of a wharf at Webb Dock, Melbourne. The wharf is over 700m long with 2 berths. Piling includes a front seawall consisting of 36m*1.5m dia piles with Z sheet pile infill. At the rear there are pairs of 1:3raker piles 39m*1.2m dia. Austral engaged Roam Marine to design a skating piling gate to drive the 1.5m dia vertical piles with tolerances of 75mm and support on 100kPa fill.

Rig details:

- Top gate and midlevel gates with opening hydraulic arms and access.
- 18m mast composed of conventional Favco 350 tower sections.
- 6m square base frame with counterweights, hammer storage and power packs.
- Base can skate laterally 5m and longitudinally 27m with 13t jacks and 50t skates.
- 12 x 6m lateral frame.
- Longitudinal rail beams 12m long * 3 spans with grippers for the jacks.
- Footings 2.4m square to support the rails at 12m.
- Piles initially vibrated and then driven with S150 or S280 hammer
- Rig designed to accommodate pile diameters 1.2m to 1.8m.

