KGP Marine Berths – Miscellaneous Projects

Client: Woodside Energy Limited (WEL)

Overview

AEC have been consistently engaged by Woodside to provide structural engineering and lifting/rigging design services for various maintenance projects on Berths 1, 2 and 3. A non-exhaustive list is provided below. Over the last 10 years, AEC has a substantial history of work performed directly for:

- KGP Storage & Loading Facility Engineering Team
- KGP Major Maintenance Team (MMT)
- Production Projects Group (PPG)

LNG Berth 2 Rope Rails

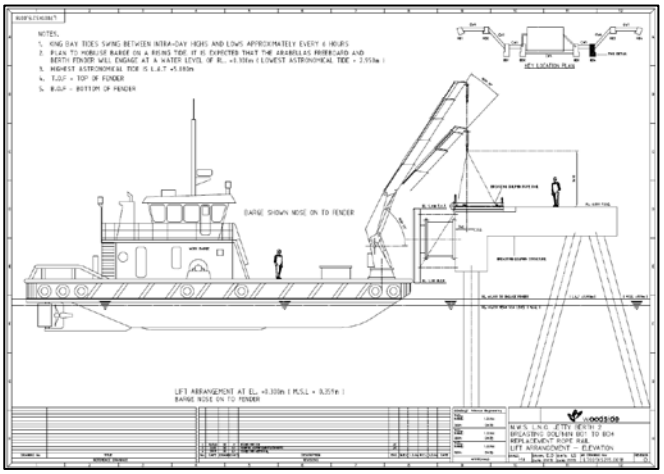
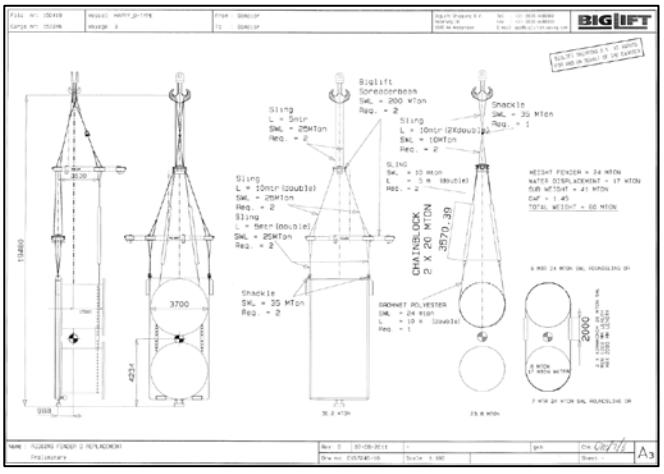
AEC was engaged by WEL to provide structural engineering support during the installation of replacement rope rails, including dimensional surveying, design modifications, producing drilling templates and attending fabricator's premises to inspect items.

LPG Berth 3 Rope Rails

AEC was engaged by WEL to investigate the feasibility of using pre-cast concrete to support the replacement stainless steel rope rails.

LNG Berth 1 Fender Replacement Lift Planning

AEC was engaged by WEL to perform lifting and rigging engineering verification for the replacement of the Berth 1 Dolphin-D double fender assembly.

LNG Berth1 QCDC Platform Replacement

AEC was engaged by WEL to perform conceptual design and detailed design for the replacement steel deck platform at Berth1, directly below the MLA's, known as the 'QCDC Platform'. AEC produced the lift plans and performed rigging design and on-site support during installation by HLV.