

STEEL PARK

BONACCI

A steel distribution and fabrication complex, which, in Stage 1, consists of a 12,000 square metre steel coil and bar storage building and 2-storey office building of 2,000 square metres, combined with associated site infrastructure.

Stage 2 consists of a 14,000 square metre steel fabrication building and extension to the Stage 1 infrastructure.

The buildings are clad multi-bay portal frame structure, with springing height of 10.5 metres and clear spans of 25 and 30 metres; bay width between portals is 9 metres, generally.

Portal frames in Stage 1 provide support for 6 number 10t SWL x 25 metre gantry cranes and 1 number 20t SWL x 30 metre span gantry crane to service the operations within the building, whilst the Stage 2 building frames support 6 x 10t SWL x 25 metre gantry cranes.

A complex flood study was required to ensure that surface flows and flood storage were properly integrated into this low lying and flood prone area.

Bonacci Group were responsible for co-ordinating all process related foundations and designed and detailed all in-ground pits, with depths up to 6 metres.

Location:
Dandenong, Victoria

Client:
Southern Steel Properties

Architect:
Bruce Henderson Architects /
Peter Doig Architecture

Construction Cost:
Stage 1: \$13 million /
Stage 2: \$9 million

