

SIGA

STRUCTURAL ENGINEERING

Siga News

August 2007

Not just another 2750 sq mtr warehouse with an office



Before



During



After



After

Project: 2750 sq mtr warehouse Taren Point

Key Objectives

The key objective for this project was all about time, or lack of it. The design began in early May 2006 with construction being completed mid March 2007.

Challenges

Typically projects like this involve a warehouse with a suspended concrete mezzanine. However, this project had some of the following requirements:

- 2 separate suspended concrete mezzanines and one additional internal mezzanine (3 total).
- Suspended external concrete paving to minimise impact on nearby tree root systems.
- Car repair facilities, changing what would ordinarily be concrete internal paving to providing access work pits, recessed concrete pits, grates and suspended concrete areas.
- Site conditions weren't exactly routine either. This site is near the water and adjacent to a low lying open drainage canal (which changes depth with the tides).

Siga Solutions

- Siga provided the design for these footings, internal and external floor slabs suspended concrete mezzanines, structural steel to the warehouse, mezzanine walls, roofs and storage mezzanine. We also provided site inspections and professional advice throughout the project.
- Screw piers ended up being used for the footings due to the softness of the soils.

Hope this project provides you with some hints & tips to think about for your projects. If we can assist you in any way, please touch base.

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