



STRUCTURAL ENGINEERING
ACCURATE • PRACTICAL • PROFESSIONAL

17th November, 2005

Dear Client,

Welcome to the last "Feature Project" for 2005.

This project focused on the detailed specification of foundation details for installation of a large cardboard corrugating machine.

SIGA's role was to provide the details to the new foundations for the various components of machinery, as the existing conventional industrial floor slab was not adequate enough.

Some of the challenges on this project were:

- Ensuring that the new foundations blended with the existing buildings constraints.
- Determining how to prepare the existing soils and concrete for the new slabs and the new machinery loads.
- Making sure vibrations from a piece of key machinery was isolated. This required the construction of an isolated concrete plinth.

SIGA assisted on this project by providing:

- Design and detailing of the concrete floor slab to support the plinth.
- Design and detailing of the plinth.
- Site inspections and certification to the structural steel reinforcement.

This year has been a very exciting year and if you would like to revisit any of our projects, please go to our website www.siga.com.au where you can find copies of all previous Feature Project reviews.

Whilst most of us don't want to be reminded that we are nearing the end of 2005, should you have an upcoming project that you would like to discuss, please feel free to call me.

Enjoy this project and I look forward to speaking to you soon.

Regards,



Frank Simone
Managing Director

FEATURE PROJECT

New Corrugator Foundations



Factory area before alterations – note the heavy paper rolls to be handled by the new machinery in the foreground



Ready for the concreting



The steel reinforcement to the slab supporting the concrete plinth



The concrete slab completed



The isolated plinth before paving (the plinth supports the vibrating machinery)