



12th November 2004

Hello and Merry Christmas!

Christmas is just around the corner, so to assist you with your holiday planning, we take this opportunity to let you know our Christmas schedule.

Office Closes: Thursday 23rd December 2004 at 1:00 p.m.

Office Resumes: Monday 17th January 2005 at 9:00 a.m.

Should you require our assistance during this period, we would greatly appreciate it if you would inform us as soon as possible so that we can make the necessary arrangements for you.

Our reception and message bank system will be operating as usual and will be able to help you during this festive break.

We trust that this has been a good year for you and that next year will be even better. We thank you for your business and support throughout 2004 and are certainly looking forward to providing your Structural Engineering solutions in 2005!

Finally, please read on for information on some special projects that we thought would interest you.

Warm regards,

Frank Simone & the Siga Team

Feature Projects

1. SMITHFIELD – Warehouse precast panel penetrations.

How is this for a tricky job? 10m high existing panels requiring a major opening along with some smaller ones.



a) Before – Main wall before opening cut.



b) During – Secondary opening.



c) After - Main wall after opening cut.



d) After – Secondary opening.

What made this project interesting?

Mainly time constraints and the importance of the design details being implemented without any difficulties causing delays. Some of the details are as follows:

- Time constraints were due to large expensive machinery delivery times. A large printing machine will probably be in place next to this wall by the time you read this.
- The existing panels are 10m high and almost solid concrete. The design details had to cater for keeping them stable prior to, during, and after the openings were cut.
- Safety aspects for employees, including forklift drivers had to be considered. Sometimes things must look safe as well as be safe to give reassurance of adequacy.

Siga assisted on this project by providing the following:

- The structural design and strategy for the necessary structural steel and cutting of existing precast wall panels.
- Ensuring the design was completed on time to enable fabrication of components.
- Site inspections to ensure installation flowed smoothly and in particular to avoid delays.

Feature Projects

2. SMITHFIELD - Concrete paving to storage area

This site was been well overdue for a facelift – imagine driving a forklift on roadbase in the wet to move the stored material !



a) Before



b) During



c) During



d) After

What made this project challenging?

The site had been used for storage of materials, without adequate paving. The storage space had become invaluable to the business functioning on neighbouring properties. Any improvements required council approval and, of course, the usual long list of time consuming red tape before any work could be done as such.

Siga assisted overcoming these challenges by doing the following:

- Organising a collaboration of consultants to provide the necessary details to gain approval through council.
- Providing the structural design to the concrete paving.
- Site inspections and certification for the structural steel.

Once again, I sincerely thank you for your business and look forward to hearing from you soon.