

### Value to the Strata Industry

## Strata Engineering Solutions

Condition Inspections

Remedial Engineering

Defects Inspections

Insurance Reporting

Technical Due Diligence

Forensic Engineering

Building Refurbishment

Access Systems & Rope Access

Project Management

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## About Strata Engineering Solutions

Strata Engineering Solutions is a division of CostinRoe Consulting, a medium sized consulting engineering practice specialising in providing civil, structural, and remedial engineering advice.

The firm has been established since 1989 and has grown to provide a diverse range of professional services to clients in the construction and insurance industries.

### Strata Engineering Solutions

Strata Engineering Solutions are dedicated to servicing the remedial and structural needs of the strata industry. We have a strongly established reputation in providing excellent value in our remedial services, numbering amongst our clients Body Corporate Services, TSS Strata Services, Community Strata Title Management, Bright & Duggan, Andreones, Strata Associates and Dynamic Property Services.

We believe that we are different in that our size permits a strongly personalised service able to react quickly to our clients needs, supported by technically outstanding professionals and best quality documentation.

### Forensic Engineering

A less exciting description for this service may be inspections and reporting but "forensic engineering" sounds more exciting. This service provides facility owners and other stakeholders a better understanding of their structure's problems and causes, and importantly how the structure's life can be extended.

We arrange for investigations into a building's deterioration and advise on the appropriate and most cost effective remedial works. We also offer the additional benefit of our in house engineers who are vastly experienced and accredited for inspections by rope access.

### Project Management

Extending from our forensic work, we combine what we have learnt of the building condition, with our expert knowledge and experience to develop remedial works Specifications, Scopes of Works, Tender Documents and the availability to co-ordinate the entire tender process. We then work with our clients to select the best qualified and experienced contractors to undertake works. Finally we will Project Manage the contract, monitoring the work on site, handling the sometimes tricky relationship between principal and contractor.

## Our People

Professionals are invited to join our team after demonstrating technical excellence and strong people skills. Professional development is supported through ongoing training to encourage innovation in our service provision, staying abreast of the latest developments and techniques. The benefits to our clients are not limited to excellence in remedial engineering: With people that are strongly motivated and dedicated to servicing our client's needs we add value to your projects.

## Contacting Us

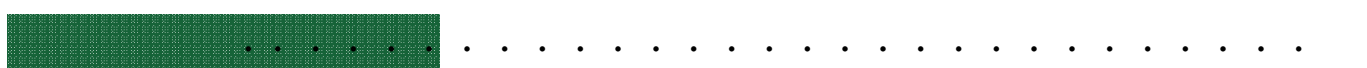
For further information on how we can contribute to the success of your projects contact us at:

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## NEWSLETTER

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January 2006

## 128 George Street REDFERN

### *Making safe a building*

Project Manager: Geoff Cook

Contractor: Lidoran Roofing Pty Ltd



This building, situated not far from Redfern Station, while generally being well constructed and sound, had a simple design fault. A number of brick peaks and free standing walls to the external perimeter were not adequately anchored to the rest of the structure. The reason was a horizontal damp proof course above the roof sheeting level that by its very existence, destroys the structural integrity of the free standing sections through lack of lateral support. Effectively they were remaining in position based on mass however this principle was starting to fail.



The options were to either support the slowly collapsing brickwork through the roof sheeting back to the framing or demolish significant portions of the façade and patch up with a low profile alternative capping to match. The support option was selected but when prices for both the options were received there was very little difference between the two.

**LIDORAN ROOFING PTY LTD** were selected to undertake the project. Work commenced in July and continued uninterrupted to October 2005.

The principle was to fix to the back of the walls a 100 x 100 x 8mm angle to be supported by 76.1mm diameter CHS which in turn penetrated the roof sheeting to be connected to the framing. The challenge was to maintain the roofs excellent water proofing quality. This was achieved with the use of extra sheeting at the lines of the supports and rubber pressure cones at the points of penetration.



Great attention was paid to detail and the ongoing safety and convenience of the Owners and Tenants, with the result that during the period of construction and during the time since, including the drought breaking rain, there has been but one small leak and that was attended to immediately. This was an excellent team effort contributed to in no small part by **LIDORAN ROOFING PTY LTD** the Contractor, the **OWNERS CORPORATION** and their representative on site and **BRIGHT & DUGGAN** and their Strata Manager, who contributed in no small way to the excellent communication between all parties concerned.

