

Value to the Strata Industry

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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 Our People

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.

Forensic Engineering

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.

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.



Wayne E. Costin
Managing Director

Wayne Costin is a highly experienced Structural Design Engineer having graduated in Civil Engineering at Sydney University in 1965. He has spent his entire career in the civil engineering and building industries, working with reputable consulting engineering firms in Canada and Australia prior to establishing Costin Roe Consulting in 1989. He continues his excellent reputation in the consulting profession, primarily focussing his attention on forensic engineering and problem solving, both of which are vitally important and can be as a result of faulty design or poor construction techniques. Other defects that are assuming prominence currently are as a result of the ageing and degeneration of buildings. Wayne is very active in community services currently Vice President of the Sydney Rotary Club and has a long standing participation with the Association of Consulting Engineers. He also enjoys his current leadership role in ensuring that the Consulting Engineering Group maintains the objectives of providing the highest possible standards of consulting engineering services to the building industry by employing highly qualified, energetic and experienced staff and utilising the latest computer software and hardware technology.

NEWSLETTER

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March 2006

Nicholson Street BALMAIN

New Balustrades for Old
Project Manager: Geoff Cook
Contractor: MADE Contracting



This eight storey building, constructed in the early 70's, originally had concrete filled masonry balustrades that over time had succumbed to corrosion of the reinforcement. Unfortunately they were beyond repair and probably had the effect of dating the building anyway.

Realising this, the **OWNERS CORPORATION** took the decision to completely replace them with a design that is up to the minute and has the effect of lifting the entire building, all of which enhances their investment.

After discussions with the Architect, **GDM DESIGN**, it was decided to go with a glass, aluminium and stainless steel combination, not only for the aesthetics but for longevity given the close proximity of the building to the harbour and its harmful salt spray.

MADE won the right to do the work and commenced in April 2005. Eight months later an almost completely different building was gracing the Balmain peninsular.



MADE utilised a series of "High Climbers" to firstly safely demolish the existing balustrades, then to repair the balcony slabs where the reinforcement had been cut out and then install the new assemblies. These "High Climbers" also had the effect of allowing the Owners more space in the car park to manoeuvre and park their cars, far more than would have been the case with scaffold.

In addition, a matching aluminium parapet was installed to the roof level masonry wall, encapsulating it so that any degeneration of this element will be arrested and nullified.

At the same time the Owners had the foresight to paint the building and to attend to any corroding reinforcement to the exposed slab edges. Given the proximity of the building to the harbour, this was a wise move and will have to be a requirement each and every time the building is refurbished. The painting contract was the responsibility of **DUKES PAINTING** and was all performed off swinging stages hung from the roof level.

With help from the weather the Project suffered few delays, and thanks to the use of the 'High Climbers' even when things became windy at the very top.



MADE'S team on site rose to the occasion, always being mindful of the needs, access and convenience of the Owners and always willing to go that extra yard to achieve a good result. For that reason there were few defects and these were not considered to be significant in terms of number or scope. There were also very few variations. This was an excellent team effort by all including **MADE CONTRACTING**, the **OWNERS CORPORATION** and their on site team and the Strata Manager, **INSITE**.

Well done and thanks to all involved.