

The Company
TEG Consulting Engineers
provides engineering
services to:

- Private Sector
- Mining
- Commercial /Industrial Sectors
- State and Local Government Entities

Our Clients

Include:

- Individuals & Private Developers
- Major Construction Companies
- Major Corporations
- Government & Private Sector Asset owners
- Mining Corporations
- Quarries

Services Offered

TEG Consulting Engineers:

- Civil & Structural Engineering.
- Electrical & Mechanical Engineering
- Architectural Design
- Project Management (From Initiation to Turn Key)
- Asset Management Planning
- NDRRA – management and planning, including audit preparation.
- Inspections / Audits
- Design Reports
- Damage/ Condition Reports
- Insurance Assessment Reports
- Stakeholder Liasion's

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TEG CONSULTING ENGINEERS PROJECT SUMMARY SHEET



RIVERSIDE ADVENTIST SCHOOL

Project Scope

TEG Consulting Engineers was engaged to undertake structural and civil engineering for the Riverside Adventist School Townsville.

The school had received funding under the federal nation build for a 2 storey structure.

As part of a significant expansion to the school a new 2 storey Library and GLA building was proposed.

The structure is primarily reinforced masonry with a suspended slab and includes several Architectural features that required specific design attention:

- significant lower level windows
- flat plate balcony slabs
- torsionally supported concrete stairs

The role required the following:

- Design and preparation of all structural and civil engineering documentation.
- Assists the Architects Stanton Dahl in preparing documentation for construction.
- Undertaking and managing all engineering contractors on behalf of the client and architect.



Figure 1: Complete school building

Key Personal

Client: SDA Northern Conference
Project Architects: Stanton Dahl – Habib Hayek
Consulting Engineer: Sean Edwards
Client Representative: Rob Ellison
Email – robellison@adventist.org.au

Our Involvement

TEG Consulting Engineers was initially engaged as sub-consultants to provide Structural and Civil Engineering services for the project.

This entailed conventional design, documentation and certification, as well as construction phase services – detailed site inspections and shop drawing review.

During construction, our role was increased to cover Project Management services to assist the Architect (based in Sydney). This primarily involved RFI review and co-ordination of Site Instructions.

Project Challenges

With relatively poor ground conditions an extended stiffened raft slab was utilised.

Coordination of other consultants in scope extension requested by client. Ensuring that architectural and engineering documentation was co-ordinated and followed through to construction.

Project Outcomes

The school buildings was finished on budget and on time, the structure has provided the school with expansion intake capacity and functions well catering for disabled staff and students.



Figure 2: Canti-levered stair access