



**Norman
Disney &
Young**
A TETRA TECH COMPANY

STRUCTURAL & CIVIL

At NDY Structures, our focus is delivering the best commercial outcome for our clients. Our team brings decades of structural and civil experience with a proven track record in delivering high-profile, technically complex & economical solutions.

Masterplanning & Schematic Design

Provide crucial structural spatial and civil drainage input early in the development for feasibility & planning.

Comprehensive Design and Documentation

Complete the Structural and Civil design through all stages of the project, from initial planning to As-Built documentation, and 4D BIM for digital twin asset models.

Value Engineering & Alternative Tender Designs

Our team has vast experience in providing developers and tendering contractors with higher value alternative design through buildability, program and cost.

Construction Phase Services

Technical support for construction quality checks and Contractor technical guidance.

Independent Certification

Our team carries RBP and EA registrations as credentials for Independent Certification required by the Building Act.

Existing Condition Audits

NDY has significant experience in completing existing building condition audits, remediation studies, capital works planning, and rectification designs.

Fit-out & Refurbishment Works

Stairs & voids, penetrations, and existing structure capacity studies; typical for office & retail fitout works.

Temporary Works Analysis

Facilitating the expedient delivery of major construction projects, through fast track design of ancillary works.

Contact Us



Ben White

Director - Global
Specialist Groups
b.white@ndy.com



Nathan Dickson

Structural
Group Leader
n.dickson@ndy.com

STRUCTURAL & CIVIL WHAT WE DO

Primary Market Sectors



Residential
& Hotels



Mission
Critical



Offices



Civic+Defence



Education



Industrial



Retail



Health



Transport

Featured Projects

Our team's expertise draws from:

- **Baptcare Lalor Community Facility, Lalor, VIC**
- 275 George Street, Sydney, NSW
- Hawthorn Aquatic & Leisure Centre, VIC
- Melbourne Metro Arden Station, VIC
- T2 Expansion Project 2 - Melbourne Airport, VIC
- Aurora Tower, 250 LaTrobe Street, Melbourne, VIC
- **La Trobe University Institute of Molecular Sciences, Bundoora, VIC**
- Midland Gate Shopping Centre, Midland, WA

Specialist Areas of Expertise

- Foundation design in difficult ground conditions
- Hybrid / composite building construction
- Complicated transfer structures
- Cross-laminated timber (CLT) construction
- Construction / temporary works analysis
- Dynamic and lateral stability analysis
- Floor vibration and structural dynamics
- Deep basement design (12m+)
- Advanced engineering and finite element analysis
- Demountable and modular structures
- Tall Towers (250m+)
- Value Engineering / Alternative Tender Designs
- Building Information Modelling (4D BIM)
- Large span post-tensioned floor plates (15m+)
- Specialist/ architectural feature steelwork designs
- Feature precast concrete design and detailing
- Fitout and refurbishment works
- Independent certification
- Design reviews / advice on risk, construction methodology, programme and cost
- Civil drainage and earthworks

Office Locations

Australia

Adelaide	Melbourne
Brisbane	Perth
Gold Coast	Sydney
Canberra	



“ Our purpose
is making
spaces work ”

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