



LINE RESPONSIBILITIES

Responsible for project management, design of residential, commercial, industrial, institutional and educational buildings. An important aspect of this role is the coordination of the design, review against statutory requirements and the quality of the documentation. Owen is proficient in concrete spalling repair work, waterproofing, Project Management, all structural materials including, concrete, steel, timber and masonry structures.

QUALIFICATIONS

B.E. (Honours)
University of New South Wales
1986

MEMBERSHIPS

- NSW Design Practitioner (DEP0000515)
- NSW Professional Engineer (PRE0000519)
- Member of the Institute of Engineers Australia (64127)
- General Induction for Construction Work in NSW Certification
- Inducted for ANSTO, Sydney Opera House & Telstra work
- Working with Children (WWC)
- Statement of Attainment for Working at Heights

ENGINEERING EXPERIENCE

October 2015 - Present

JN

Director & Associate Remedial Engineer

November 2001 – September 2015

JN

(Company name change from Jones Nicholson Pty Ltd)

Structural Project Engineer

August 1996 – October 2001

Jones Nicholson Pty Ltd, Consulting Engineers

Belmore Office - Engineering Manager

January 1993 – August 1996

Jones Nicholson Pty Limited, Consulting Engineers

(Company name change from Punnett & Jones Pty Ltd)

Senior Design Engineer

November 1987 – December 1992

Punnett & Jones Pty Ltd, Consulting Engineers

(Company name change from T C Punnett & Associates Pty Ltd)

Design Engineer

July 1986 – October 1987

T C Punnett & Associates Pty Limited, Consulting Engineers

Junior Design Engineer

PROJECTS INCLUDE

Parramatta City Council

Harris Park Sink Hole Project: Engaged by Council as the lead consultant for the emergency works for the sink hole stabilisation. Initial response, instructions and provision of expert advice to Council. Arrange, engage and manage a team of sub consultants, liaise with Council and consultant teams from affected properties. Attend meetings, act as Council's checking engineer, review action plans from all parties and provide expert response reports, site investigation and rectification of Councils road reserve defects, including determining a safe working zone for the construction operation.

PROJECTS INCLUDE (cont.)

OTHER MEMBERSHIPS

Short Courses:

- Project Management
- Concrete Restoration

Sydney Opera House

Central Plant Room: Remedial Restoration of spalling concrete slabs, testing of materials, preparation of specification and tender forms. Construction phase inspections and supervision of the remedial works, whilst the plant room remained in operation.

ANSTO

Water Tower, Lucas Heights: Detailed working at heights inspection and investigation of a concrete water tower, including non-destructive and destructive testing to determine a scope of works and remedial specification for repair of the 50-year-old structure.

Sydney Olympic Park Authority

Homebush: Investigation and condition reports for the Aquatic Centre, Indoor Sports Centre and approximately 100 smaller Newington Armory buildings.

NSW Department of Education

Investigation, non-destructive testing, condition reports, remedial specification, durability, and fire upgrade works, including site supervision, for five school buildings in a North Shore coastal environment. Also acted as the Departments Expert in subsequent legal proceedings.

NSW Government

North Atrium of NSW Parliament House: Investigation and remedial specification for the replacement of damaged glass roof panels and sealants, including arranging abseil inspection and construction phase inspections.

Inner West Council

Booth Street / Johnston Creek, Annandale: JN Project Engineer (team leader) for the road widening works. The project involves the Civil, Structural and Remedial design and documentation, construction phase inspections for the staged installation of two bridges, one on either side of the street, whilst one lane of Booth Street always remains open.

Remedial works included restoration of two headwalls, stability and protection of culvert arches and services.

Engineering and Project Management

Numerous residential and commercial remedial works, including concrete spalling, reinforcement corrosion, balcony restorations and waterproofing projects, including:

- Design, specification and project management of 2300m² roof membrane restoration work for a commercial building in Mascot. Including coordinating the waterproofing works with the installation of new roof chillers.
- Owners Corporation of SP 6522: Large residential complex at 300 Burns Bay Road, Lane Cove. Owen has provided engineering and project management services to the Owners Corporation for over 20 years, including concrete driveway repairs, new roofs to the three (3) multi-level

buildings and numerous other remedial projects.

- Owners Corporation of SP 34182: Industrial complex, Gow Street, Padstow. Replacement of three (3) damaged tilt up concrete wall panels.
- Owners Corporation of SP 33879: Residential complex, Onslow Street, Rose Bay. Balcony waterproofing, concrete repair and façade restoration,
- Owners Corporation of SP 65717: Residential complex, Forest Road, Hurstville. Application of a new waterproof roof membrane.
- Owners Corporation of SP 16121: Residential complex, Kurraba Road, Neutral Bay. Terrace waterproofing and refurbishment.
- Owners Corporation of SP 57163: Residential complex, Urunga Parade, Miranda. Balcony waterproofing and façade refurbishment,
- Owners Corporation of SP 63808: Residential complex, Railway Parade, Allawah. Cavity flashing replacement and waterproofing.

Façade Investigation

Numerous residential and commercial façade defect investigation work, including inspection, coordination of drone image capture and 3D model:

- Metro Hotel: Commercial and hotel accommodation building, Kingsway Miranda. Owen undertook a Façade investigation, detailed condition report and recommendations to address internal water infiltration.
- Owners Corporation of SP6522: Large residential complex at 300 Burns Bay Road, Lane Cove. Owen was the lead engineer for an Options Investigation for replacement of existing mosaic tiles on precast concrete panels, with cladding that will improve thermal and moisture problems. Working in conjunction with an Architect to develop concepts for approval by the Owners Corporation.
- Owners Corporation of SP78255: 'Biscuit Factory' Residential complex converted from old Westerns Biscuit Factory, Pyrmont Bridge Road, Camperdown. Moisture ingress investigation, waterproofing of roof/pool deck slab and stabilisation of old masonry water tower. Design, specification, and supervision of the restoration works.
- Owners Corporation of SP6522: Investigation of wall precast wall joint due to water ingress. Thermal drone images were used for this investigation and development of solutions.
- Parramatta Telephone Exchange: Marsden Street, Parramatta: Design, specification, and supervision of Façade Restoration due to reinforcement corrosion. Owen was the Structural Project Engineer & Assistant Project Manager for the project.

Expert Witness Reports

Investigation of building defects liaise with Solicitors and provision of expert remedial and structural engineering reports, including:

- NSW Department of Education: North Shore School. Expert Witness Reports for Remedial Concrete Durability and Fire-Resistant Level (FRL) non-compliances.
- Owners Corporation of SP 88195: Expert Witness Remedial and Structural Defect Report for a residential complex, Taylor Street, Kiama.
- Owners Corporation of SP 91010: Residential complex, Gover Street, Peakhurst. Expert Witness Remedial and Structural Defect Report.
- Neighbour Boundary Fence Dispute: Residence at Gannons Road, Caringbah. Expert Witness and Response Reports for damaged masonry boundary fence and attend NSW Supreme Court hearing.

Heritage Work

- NSW Public Works: Stone façade restoration project for an Inner West Public School. Inspection, investigation, seismic assessment condition reports and provision of gable stability details.
- The Botanic Gardens and Centennial Parklands: The Palm House, Royal Botanic Gardens, Sydney. Remedial defect report, consultations with the Heritage Architect, specification, structural design documentation and construction phase inspections for the restoration and strengthening of a 140-year-old glass house building.
- City of Sydney: Stables Building, Ultimo Depot. Remedial defect report, consultations with the Heritage Architect, specification, structural design documentation for the strengthening and roof replacement works.
- Fire and Rescue NSW: City Fire Station, Castlereagh Street, Sydney. Remedial and structural design and documentation for the strengthening of timber stairs in the building.

ANSTO

Design, specification and construction inspections for new storage facility, feasibility assessments and investigation into proposed alterations and additions to an office building. Structural Project Engineer.

Swimming Pools

- Structural design, documentation, and construction phase inspections for numerous residential and commercial reinforced concrete pools in Sydney.
- Investigation, remedial design, specifications and construction phase inspections for the repair and restoration of leaking reinforced concrete pools and associated decks.

Telstra

Assessments, design reports and specifications for numerous installations of large battery systems (weighing up to 16 Tonnes) within telephone exchange buildings through NSW and ACT. Structural Project Engineer.

Remedial Restoration of Reinforced Concrete and Structural Steel

Investigation, design, specification and supervision of numerous structures requiring remedial repair due to concrete spalling, reinforcement corrosion and/or water damage and settlement. Specification and supervision of structural steel corrosion rectification. Projects include Residential and Commercial building façades, balcony restoration, roof waterproofing, dive platforms and shelters, structural steel framed buildings, beam, and columns.

Residential, Commercial, and Industrial

Structural design, specification and construction inspections for alterations and new construction of numerous residential unit complexes, commercial and industrial factories throughout Sydney.