



John Fisher Consulting Engineers Pty Ltd

CAREER HISTORY (including one-page CV)

R J Fisher

**Principal Engineer & Director
John Fisher Consulting Engineers Pty Ltd**

**01-Dec-2017
(46 pages)**

Civil, Structural
Forensic Engineering
Workplace Accidents
Building Audits &
BCA Compliance Surveys

A.B.N. 67 061 976 412
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Pymble NSW 2073
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NAME: Reuben JOHN FISHER

DATE OF BIRTH: 4 June 1945

NATIONALITY: Auckland, New Zealand (Australian resident since April 1970)

EDUCATION: BE (Civil), University of Auckland, New Zealand, completed 1967

OTHER TRAINING: Completed the course 'Training Administration in the Workplace'.
Accredited Certifier Program, UTS Centre for Local Government (2003)

MEMBERSHIP: Member, The Institution of Engineers, Australia, Jun-1973
Fellow, The Institution of Engineers, Australia, Feb-1999

PROFESSIONAL SOCIETIES: Member, Australian Steel Institute [ASI]
Registered Professional Engineer, NPER (No. 8796+), Civil (Mar-1996),
Member of the College of Structural Engineers, Jul-1996
Member, College of Investigative and Remedial Consulting Engineers of
Australia (CIRCEA), Dec-1999
Registered APEC (Asia-Pacific Economic Cooperation) Engineer, Sep-2001
Former Registrations:
Registered Professional Engineer of Queensland, (No. 4741) Jan-1995
Registered Building Practitioner in Victoria, (No. EC-2197) Jan-1997



EMPLOYMENT RECORD:

From: 7 October 1993 to present

Employer: **John Fisher Consulting Engineers Pty Ltd**

Position and Duties: **Director & Principal Engineer**

From: 1970 to October 1993

Employer: **Gutteridge Haskins & Davey Pty Ltd (GHD), Sydney**

Positions and Duties: Associate – Structural / Building Services Group (1984-1993)
Member NSW/ACT Regional Quality Management Panel (1991-1992)
Manager Parramatta Office & Tech. Services Engineer, Sydney (1987-91)
Principal Structural & Tech. Services Engineer, Sydney Office (1980-87)
Principal Structural Engineer, Computer Coord., Brisbane Office (1977-80)
Structural Eng., National Computer Coord., Sydney & Melbourne (1970-77)
1968-1970

From: 1968-1970

Employer: **Andrew Murray & Partners, Auckland, NZ**

Position and Duties: Civil / Structural Engineer

John Fisher has over 40 years diverse professional experience as a civil, structural and project engineer and manager including construction stage services and contract administration. His experience includes design and construction in masonry, timber, steel, reinforced and prestressed concrete for bridges, low and high rise industrial, commercial and public buildings, building remedial works, refurbishment and recycling, pavement design and civil works, including an associated wide range of legal and forensic engineering and computer applications. Civil works include water catchment analysis and bridge hydraulics.

John has experience in Ordinance 71 & Ordinance 70, BCA 1990 onwards, National Construction Code, Construction Safety Act, Factories Shops & Industries Act, Theatres and Public Halls Act, OH&S Act & Regulation and Work Health and Safety Act & Regulation 2011 in relation to facility audits, structural, architectural and general building services requirements, construction site safety as well as considerable experience in investigation, viability and design of aquatic based leisure centres.

John was the responsible designer for two projects that won **ACEA Engineering Awards** for GHD: Bagot Road Flyover, Darwin, and the Interscan prototype microwave antennae structures, Sydney.
John has also undertaken fire and life safety audits of Wynyard and Central Electric Stations in Sydney checking for compliance with SRA Standard Guidelines for underground stations, the BCA and NFPA 130 including the development of software for NFPA 130 analysis purposes.

John was also the Regional Technical Services Engineer for GHD Sydney and the author of numerous technical services manuals and specifications. He has considerable experience in co-ordination of other engineering and architectural disciplines and has presented a number of technical papers.

2. Legal and Forensic Engineering

2.1 Slip or Trip and Fall Accidents (other than on stairways)

- Documentation review, research and preliminary advice regarding fall from Coffs Harbour Jetty for Wotton + Kearney (2015-2016)
- Report on Investigation of the Personal Injury Incident on Friday, 29 June 2012 at 94 Mount Pleasant Ave, Normanhurst NSW for Sparke Helmore Lawyers (2015) Australasian Conference Association Limited -ats- Rodney Timms
- Report for a personal injury claim following a trip-fall incident at a single step between areas at the Verona Cinema (2015-current)
- On-site investigation and preliminary advice on trip-fall incident at Wentworth Leagues Club for Sparke Helmore lawyers (2015)
- Expert report on investigation of a slip accident on a ramp at Dee Why Market for Colin Biggers & Paisley (2014). Dee Why Retail Pty Ltd & Ors ats Susan Ireland.
- Expert report on investigation of technical issues and building aspects arising in the Supreme Court of NSW matter of Frisbo Holdings Pty Limited, (formerly known as Pacific International Hotels Pty Ltd) Aymoy Pty Ltd & Arvant Pty Ltd versus Austin Australia Pty Limited (in liquidation) & Premier Pools Pty Ltd, for Sparke Helmore Lawyers (for the First, Second & Third Plaintiffs), (2009).
- Advice regarding an alleged slip/trip/fall and dive accident causing spinal injury as a result of activities within the pool and associated spa facilities at the Bankstown International Pacific Hotel, 471 Chapel Road, Bankstown NSW for Sparke Helmore, Lawyers (2005).
- Advice regarding a slip and fall accident on the entry ramp to a Subway fast food outlet for Zurich Australian Insurance (2005).
- Advice regarding a slip and fall accident at 175 Liverpool Street, Sydney, for Bartier Perry Solicitors.
- Advice regarding a slip and fall accident onboard a Sealine F43 Flybridge Cruiser at the Sanctuary Cove Boat Show for McMahons National Lawyers.
- Advice regarding a slip and fall accident on roof level car park slab at Westfield Shopping Centre Parramatta for PricewaterhouseCoopers Legal/Hunt & Hunt Lawyers (2003-2004).
- Advice regarding a slip and fall accident on tiles at Punchbowl Ex-Services & Community Club for Rankin & Nathan.
- Advice regarding a slip and fall accident on a clay brick paved forecourt incorporating a services pit cover for Sparke Helmore, Solicitors & Shoalhaven City Council (2003).
- Advice and on-site testing regarding a ramp/jetty slip accident at an RSL Club property at Greenwell Point, NSW for Pigott Stinson Ratner Thom Lawyers (2002).
- Advice regarding a trip accident at a restaurant for Ebsworth & Ebsworth Lawyers (2002).

2. Legal and Forensic Engineering

2.1 Slip or Trip and Fall Accidents (other than on stairways) – continued

- Advice regarding a tripping accident on entering an office block for Commonwealth of Australia / Insearch Ltd (1999).
- Advice regarding a fall on a vehicle repair workshop floor for NZI Insurance (1998).
- Advice regarding a slip accident at a restaurant for NZI Insurance (1997).
- Advice regarding a slip accident at a squash court for GIO Australia (1997).
- Advice regarding a driveway slip accident case for NZI Insurance (1996).
- Advice regarding slip accident case for Biber & Co. (1995).
- Advice regarding slip accident case for McBride Harle & Martin (1995).
- Advice and expert witness regarding ice rink slip case for Diamond Peisah & Co (1994 and 1996).
- Advice regarding fall from an above ground pool for Ebsworth & Ebsworth (1994).
- Advice on building's compliance with Ordinance 70 and the Construction Safety Act following fall through asbestos roof sheeting.
- Report on accident involving a fall at Ford Motor Company for Lee Kelly & Associates Pty Ltd.
- Report on slip characteristics of tiled floors at Fairmount Resort, Leura, for Colin Biggers & Paisley.
- Report on slip characteristics of tiled ramp in shopping centre, Cabramatta for Tress Cocks & Maddox.
- Report on slip characteristics of terrazzo flooring, Double Bay restaurant for Hunt & Hunt.
- Report on slippage accident on terrazzo floor at MLC Centre for Leigh Virtue & Collins.
- Report on slippage accident at Queen Victoria Building for Bowen & Gerathy.
- Report on slip characteristics of brickwork etc following worker's fall from retaining wall at Kankama Retirement Village, Liverpool for H D McLachlan Chilton & Co.
- Report on slip characteristics of polished parquet floor at St George Leagues Club for Hunt & Hunt.
- Report on slip characteristics of tiled walkway at Baulkham Hills Shopping Centre for Hunt & Hunt.
- Report on slippage accident on centre stage steps, Chatswood Chase Centre, for Hunt & Hunt.
- Report on slippage accident at Edgecliffe restaurant for D J Fisher & Associates.
- Report on accident involving fall at Service Station for H D McLachlan Chilton & Co.

2. Legal and Forensic Engineering

2.2 Stairway and Balcony Slip, Trip and Fall Accidents

- Expert report on stairway investigation following a fall incident at commercial premises at 41 Beecroft Road, Epping NSW for Colin Biggers & Paisley, Lawyers (2013)
Young Pil Kim, Kyung Suknam Kim, Paul Mercedes Kim and Others -ats- Yeo Moon Yoon
- Expert report on investigation of incident resulting in collapse of residential balustrading at 8 Pioneer Street, Batlow NSW 2730 on 10 March 2011 for Sparke Helmore Lawyers (2012)
Vittoria Pizzolato -ats- Elaine Tuli and Roger Wade.
- Expert report on investigation of a tenant's fall over a masonry balustrade at 11 / 94 Carlton Crescent, Summer Hill NSW on 27-Sep-2008 for Wotton + Kearney Lawyers (2011).
- Expert report on building aspects regarding a personal injury claim associated with an alleged incident at a stair and fire door interface at the Broadway Shopping Centre; Mirvac Retail Sub SPV Pty Limited and Perron Investments Pty Limited -ats- Lazar Hodoba, District Court of New South Wales for Gillis Delaney Lawyers (2010).
- Expert report on building related aspects that resulted in a connection failure and the collapse of the residential premise's balcony balustrade timber top rail for McCabe Terrill Lawyers (2010).
- Expert report on building matters at the Scout Centre, Kiora Road, Miranda NSW regarding Scout Association of Australia (NSW Branch) & Anor -ats- Samantha Jill Ann Anslow for HWL Ebsworth Lawyers [acting for Second Defendant] (2008).
- Advice regarding the fall down a flight of stairs at the Bondi Masonic Centre for Gadens Lawyers (2005).
- Advice regarding Council's issue of a POPE licence under the Theatres and Public Halls Act following a child's fall through stairway balustrading for the Crown Solicitor's Office of NSW (2003).
- Advice regarding a slip and fall down internal stairs on the construction site of the Citigroup Building at 2 Park Street, Sydney for Yeldham & Associates, Lawyers (2003).
- Advice regarding a fall, down internal stairs at 331-335 President Avenue, Gymea NSW for PricewaterhouseCoopers Legal/CHU Underwriting Agencies Pty Ltd (2003).
- Advice and on-site testing regarding a fall down entry stairs to a residential property at Clovelly NSW for Back Swartz Vaughan Solicitors/Abeshouse (2002).
- Advice regarding a child's fall through a stair balustrade at a theatre complex for Crown Solicitor's Office (2000-2001).
- Advice regarding a fall, down external stairs to units for NZI Insurance (1998).
- Advice regarding a fall down steps at Hayman Island for Diamond Peisah & Co. (1997).
- Advice regarding a balcony timber balustrade rail collapse case for NZI Insurance (1997).
- Advice regarding a stairway slip/fall accident for NZI Insurance (1996).
- Advice regarding fall down stairs for Keith Hurst and Associates (1995).

2. Legal and Forensic Engineering

2.2 Stairway and Balcony Slip, Trip and Fall Accidents - continued

- Advice regarding fall down a stair for Michael E Stevens & Co (1994).
- Expert witness in case involving failure of a balcony rail for T D Kelly & Co.
- Expert advice in negligence action regarding compliance with Ordinance 70 and the Theatres and Public Halls Act for Tress Cocks & Maddox.
- Advice on compliance with Ordinance 70 following fall down stairs at Weston Biscuit Co, for Hunt & Hunt.
- Advice regarding accident on stairway at Chatswood Chase Centre.
- Expert witness in slippage accident on stairs, Macarthur Shopping Centre for H D McLachlan Chilton & Co.
- Report on accident involving a balcony fall due to brick balustrading collapse for J P Gould.

2. Legal and Forensic Engineering

2.3 Construction Site Accidents

- Report on Investigation into the cause of the personal injury incident on 22-Feb-2012 at the Power House Apartments construction site at 144 Dunning Avenue, Roseberry NSW for Taylor & Scott Lawyers (2014-2015)
Justin Williams versus Parkview Constructions Pty Ltd & Anor
- Expert report on OH&S matters regarding the fall of a bridge maintenance carpenter from a pier on Payten's bridge over the Lachlan River east of Forbes; Scott Morley E/B Roads & Traffic Authority of New South Wales for Thompson Cooper Lawyers Pty Ltd (2010 - 2011).
- Expert report on project related responsibilities and OH&S matters regarding the fall of a roofer during construction of a new, single storey residential home at Lot 2, No. 3 Wattle Street, Colo Vale NSW; Mirvac Homes (NSW) Pty Limited & Anors -ats- William Robert Meers, for Thompson Cooper Lawyers (2008).
- Report on engineering matters regarding partial building collapse due to adjacent trench excavation and associated personal injury at 153-155 Cook Road, Centennial Park NSW regarding Haidar Mobarak -vs- Sezone Pty Ltd & Comet Plumbing Services Pty Ltd, Supreme Court of NSW Sydney, prepared for Consolidated Lawyers Pty Ltd (2008).
- Report on structural engineering matters concerning lifting lug failure on installation of anode furnace hood at Port Kembla Copper Pty Ltd regarding Supreme Court Case of AGI Australasia Engineering Pty Limited (Second Defendant) & Ors -ats- Vasile Pop (Plaintiff) for McCabe Terrill Lawyers (2007).
- Report on construction site accident involving fall through a floor at P & M Quality Meats Pty Limited, Chullora NSW, for Abbott Tout Lawyers (2006-2007).
- Report on fall from the roof of a kit type garage during its construction on a residential property at 16 Joyce Street, Coffs Harbour for PricewaterhouseCoopers Legal, Lawyers (2004).
- Advice regarding a workplace accident involving a fall through displaced Bondek formwork between precast Rescrete first floor beams for Sparke Helmore, Solicitors (2003).
- Advice regarding a workplace accident involving a fall through a residential first floor opening at Castle Hill NSW for Carroll & O'Dea Solicitors.
- Advice regarding a workplace accident fall from a high-level working platform at 780 Bourke Street, Redfern NSW for Ebsworth & Ebsworth Lawyers (2002).
- Advice regarding a workplace accident fall through a services penetration at Clinical Services Building, Royal Prince Alfred Hospital Redevelopment, Camperdown for Ebsworth & Ebsworth Lawyers (2002).
- Advice regarding a work place personal injury case related to formwork matters occurring during construction of a high-rise office building in Pitt Street, Sydney for Ebsworth & Ebsworth Lawyers (2001-2002).

2. *Legal and Forensic Engineering*

2.3 *Construction Site Accidents - continued*

- Advice regarding a residential construction accident involving a fall from first floor level for Stewart Cuddy & Mockler Solicitors/Insearch Ltd (2000).
- Advice regarding a fall from a scaffold/ladder for Phillips Fox Solicitors (1997).
- Advice regarding a construction site accident for Hunt & Hunt (1995).

2. Legal and Forensic Engineering

2.4 Ladder Related Accidents

- Report on building & construction matters in relation to James Refalo's fall from an extension ladder at 41 Lavender Street, Lavender Bay NSW while undertaking guttering replacement on 1st August 2002; ABC Seamless Pty Limited -ats- Julie and Joseph Refalo for Vardanega Roberts, Solicitors (2009).
- Report on engineering / technical issues associated with the construction site accident when a worker allegedly had to jump from a ladder to avoid a falling steel beam at 89 West Street, Balgowlah NSW for Moray & Agnew (2006).
- Advice regarding a fall from a 2-step, double-sided, Bailey aluminium stepladder for Warrington Maguire & O'Brien Solicitors (2000).
- Advice regarding a fall from an aluminium extension ladder for Felicio Law Firm / Insearch Ltd (2000).
- Advice regarding a fall from a fruit picking ladder for CGU Insurance Ltd (1999).
- Advice regarding a fall from a 1.8 m aluminium stepladder for Phillips Fox Solicitors (1998).
- Advice regarding a fall from a dual purpose 1.8 m aluminium ladder for Phillips Fox Solicitors (1997).
- Advice including testing following collapse of a metal 3 step, stepladder for NZI Insurance (1997).
- Advice regarding a fall from a 2.4 m aluminium stepladder for NZI Insurance (1997).
- Advice on suitability of system of work and ladder to shaker screen at W Angliss & Co for Mallesons Stephen Jaques.
- Advice on accident involving tread failure of a Mote wooden step-ladder for Connery & Partners.
- Advice on accident involving fall from a single wooden ladder for Cawoods.
- Advice on accident involving fall from a single aluminium ladder for Steve Masselos & Co.
- Advice on accident involving collapse of a Bailey aluminium step-ladder for McCaw Johnson.
- Advice on accident involving collapse of a Bailey aluminium step-ladder for Hills Solicitors.
- Advice on accident involving collapse of a Bailey aluminium step-ladder for Maxwell Connery & Co.

2. Legal and Forensic Engineering

2.5 Building / Construction Collapses

- Expert report regarding collapse of a suspended ceiling for Vardanega Roberts, Solicitors (2014) Westfield Design & Construction Pty Ltd & Ors -ats- Alexandr Alexejev & Banc Diallo.
- Expert report on investigation of structural & building matters following awning collapse at 354-358 Sydney Road Balgowlah NSW 2093 on 7-Dec-2007; compensation claim by Defendants of the Late Craig Taylor (Plaintiff) for Craddock Murray Neumann, Lawyers (2009 – 2014).
- Expert report on structural engineering, building and occupational health and safety matters regarding the construction stage collapse at “Rhodes Bay Residential Development” 10-16 Marquet Street, Rhodes NSW for Wotton + Kearney; Supreme Court Proceeding No. 20031 & 20030 of 2008 Rescrete Industries Pty Ltd & Ors -ats- Glen Immer, and Daniel Reeves (2009).
- Expert report on investigation of severe wind storm damage on 7-Dec-2005 to new residential dwelling at Lot 458, 33 Coastal View Drive, Hallidays Point, Taree NSW; Swootear Pty Limited t/as Cameo Homes -ats- William Ruff & Kerrie Ruff, for Aubrey Brown Partners, Solicitors (2007).
- Expert report on technical issues associated with the First-floor ceiling collapse at the Stonewall Hotel nightclub, 173-175 Oxford Street, Darlinghurst NSW for Shead Lawyers Pty Limited (2006).
- Expert report on technical issues associated with the First-floor ceiling collapse at the Stonewall Hotel nightclub, 173-175 Oxford Street, Darlinghurst NSW for Keddies Litigation Lawyers (2006).
- Advice regarding technical issues associated with the First-floor ceiling collapse at the Stonewall Hotel nightclub, 171-175 Oxford Street, Darlinghurst NSW for Shead Lawyers Pty Limited (2005).
- Advice regarding the cause of the unexpected collapse of the northern gable end, cavity masonry wall to the factory/warehouse section of the Universal Art & Framing World Pty Ltd commercial premises at Unit 7, 122 Milperra Road, Milperra NSW for Ebsworth & Ebsworth, Lawyers (2004).
- Advice regarding high wind damage (loss of roof etc) causing personal injury and property damage to a two storey residential house at 3 Bass Close, Corlette NSW for Curwood & Partners / Clarendon Homes (NSW) Pty Ltd (2004).
- Advice regarding an excavation collapse injuring a formworker at the Lane Cove Aquatic Leisure Centre for Bartier Perry, Solicitors (2003).
- Advice regarding the collapse of an awning to a circa 1870 commercial property comprising brick and lime mortar walls at Bathurst for PricewaterhouseCoopers Legal / Zurich Australian Insurance Limited (2002).
- Advice regarding a workplace accident and personal injury claim following the collapse of portal frame steelwork at the BHP Sydney Wire Mill Complex for Ebsworth & Ebsworth Lawyers (2002).
- Advice regarding the collapse of a precast concrete column at a Vaucluse NSW residence causing personal injury for Henry Davis York (2002).

2. Legal and Forensic Engineering

2.5 Building/Construction Collapses - continued

- Advice regarding underpinning problems at 134 Dennison St, Queens Park for Shirley Consulting Engineers P/L and contractor's insurer (2002).
- Advice regarding a construction related personal injury case following the collapse of a cold-store roof for Ebsworth & Ebsworth Solicitors (2001).
- Advice regarding collapsed masonry wall for Diamond Peisah & Co. (1995).
- Advice regarding collapsed balcony for NZI Insurance (1995).
- Advice regarding cause and responsibility for retaining wall failure, Waverley Council (1994).

2. Legal and Forensic Engineering

2.6 Other Personal Injury Accidents

- Expert reports on structural design & construction matters regarding collapse / topple of a masonry, residential garden water feature resulting in personal Injury to Elizabeth Piekuta on 7 July 2008 at Unit 2, 10 Ryde Road, Hunters Hill NSW 2110 for Stacks // Goudkamp Pty Ltd (2010-2012); Elizabeth Piekuta by her tutor Samantha Piekuta -vs- Edwin Saab and Majid Saab.
- Expert report as Joint Expert regarding Harpreet Singh (Claimant) and Cairns City Council (Respondent) following claim for damages for personal injuries following a 'fall' on Foreshore Esplanade Boardwalk, Cairns; Williams Graham Carman, Solicitors (Cairns) and Barry Nilsson Lawyers (Brisbane), (2009 - 2010).
- Report on investigation of building & construction related matters regarding the forced collapse of several sandstone coping blocks on top of a single leaf, clay brick masonry screen wall at the NSW Institute of TAFE, Ultimo; Susan Louise Drennan versus State of New South Wales, for Webb Lawyers (2008).
- Report on structural design matters regarding collapse of a granite, residential garden water feature resulting in personal injury to Sue Burton on 29 July 2007 at 18 Seaview Parade, Belrose NSW for Stacks // Goudkamp Pty Ltd (2008).
- Report on building & construction issues regarding an outpatient's fall from an elevated pedestrian barrier outside the University Clinic / Outpatients Building, Westmead Hospital NSW for Beilby • Poulden • Costello Lawyers (2007, 2009t).
- Advice regarding a workplace accident and personal injury claim as a result of construction work to build a bar within the Bradman Stand at the Sydney Cricket Ground, New South Wales, for Maurice Blackburn Cashman, Lawyers (2003-2004).
- Advice regarding a workplace accident and personal injury claim involving the collapse of a pallet and aluminium sheet coil during forklift truck loading operations at Kaal Australia P/L for Ebsworth & Ebsworth (2002).
- Advice regarding a work place related personal injury case following the collapse of a wall-mounted clothes drier for Henry Davis York Solicitors/Insearch Ltd (2001).
- Advice regarding the collapse of a shelf supporting a VDU monitor for Holman Webb Solicitors / Insearch Ltd (1999).
- Advice regarding a motor vehicle accident within a residential subdivision development for Minter Ellison (1998).
- Advice regarding skid-resistance of motorcycle tyres for Wood Roberts Solicitors (1997-98).
- Advice regarding a pedestrian hit by a bus for Keith Hurst and Associates (1997).
- Advice regarding a swimming pool accident for NZI Insurance (1996).
- Advice regarding water skiing accident case for T D Kelly (1995).

2. Legal and Forensic Engineering

2.6 Other Personal Injury Accidents - continued

- Advice regarding accident at North Sydney Pool for GIO Australia (1996).
- Advice regarding a fork lift truck accident for Hunt & Hunt (1994).
- Advice on manual lifting case for Hickson, Lakeman & Holcombe.

2. Legal and Forensic Engineering

2.7 Civil & Structural Engineering Related Legal Cases

- On-site investigation and preliminary advice on structural implications for 157 Liverpool Street, Sydney due to the adjacent redevelopment at 130 Elizabeth Street for Grace Lawyers (2017)
The Owners – Strata Plan No. 83861 -ats- Hyde Development Nominees Pty Ltd & Anor
- Report on Investigation into residential pavement & retaining wall construction issues at 7 Royal Avenue, Birrong NSW 2143 (2017)
NCAT: Gary Elliott versus Amerald Landscaping Pty Ltd
- Report on alleged building defects in units 1 & 2 and associated common areas at 33 Marion Street, Leichhardt NSW 2040 for Fortis Law Group (2016-2017)
NCAT: Lebnan Manassa (Respondent, Licensed Builder) -ats- The Owners, Strata Plan No. 83248 (Applicant)
- Report on the Investigation, Design, Documentation, Project Management and Construction Aspects of the Remedial Works Undertaken from 2003 at 157 Ocean Street, Narrabeen NSW for Dunstan Legal, Lawyers (2013-2015)
The Proprietors – Strata Plan 3128 -vs- Mahaffey Associates and Ors
- Report on Investigation of Alleged Building Defects at SP 76650, 173-179 Bronte Road, Queens Park NSW comprising 41 residential units, 2 retail shops and 2 commercial spaces for Turnbull Bowles Lawyers (2011-2012); SP 76650, 173-179 Bronte Road, Queens Park -vs- New Space Constructions Pty Ltd.
- Expert advice re residential dwelling at 425 Luddenham Rd, Luddenham for Sparke Helmore Lawyers (2013); L Poon & Associates Pty Ltd & Ors -ats- Sciberras & Anor.
- Expert report on investigation of alleged matters regarding a mixed-use commercial / residential development at 68-80 Ramsay Road, Five Dock NSW for TressCox Lawyers (2012-2013); Rider Levett Bucknall (NSW) Pty Ltd -ats- Suncorp-Metway Limited.
- Expert report on investigation of potential concrete and other building defects associated with recent construction of a residential dwelling at 8 Alexandria Parade, South Coogee NSW 2034 for ERA Legal, Lawyers (2010-2013); Michael Fitzsimons and Carolyn Patterson -vs- Casey Brown Architecture Pty Ltd and Robert Dawson Brown.
- Report on Investigation of Alleged Building Defects at SP 76650, 173-179 Bronte Road, Queens Park NSW comprising 41 residential units, 2 retail shops and 2 commercial spaces for Turnbull Bowles Lawyers (2011-2012); SP 76650, 173-179 Bronte Road, Queens Park -vs- New Space Constructions Pty Ltd.
- Expert report on investigation of alleged design and construction deficiencies with a development comprising 29 townhouses at 24-34 Pacific Highway, Wahroonga NSW for Turnbull Bowles Lawyers (2010-2012); Zaymill Pty Ltd, Laymont Pty Ltd, Nabil Abboud, Dix Gardner Pty Ltd and Ernest Lyall Dix -ats- Owners Corporation, SP 74207 and 33 Unit Owners.
- Preliminary review and advice on case documentation / specifications concerning Dead, Wind and Live loads on footings, Ward Civil & Environmental Engineering Pty Ltd claim against Alliance Design Group Pty Limited & ADG Engineers Pty Ltd over cost overruns in relation to the North Brown Hill Wind Farm, South Australia for DibbsBarker (2010 - 2011)

2. Legal and Forensic Engineering

2.7 Civil & Structural Engineering Related Legal Cases - continued

- Expert report on investigation of stresses within Sydney Water Corporation's cast iron high pressure water main in Botany Road, Waterloo NSW following pipe rupture 6 March 2008; for Wotton + Kearney Lawyers (2011 - 2012).
- Interim expert report on alleged structural & building defects within a large residential house at 487 Rocky Point Road, Sans Souci NSW; Nikiforos Fakinos by His Tutor The Protective Commissioner of NSW versus John Ayoub, prepared for Colin Biggers & Paisley acting for the Third Cross-Defendant to the First Cross-Claim, Seeto & Lee Pty Limited (2009 – 2010).
- Expert advice regarding Owners Corporation SP 68755 versus Alliance Australia Insurance Ltd re remediation of as-built building defects at 12-14 Layton Street, Camperdown NSW (2009).
- Expert reports on investigation of building defects within a new house at 119 Narrabeen Park Parade, Warriewood NSW; Fitz-Roy versus Intek Construction Solutions Pty Limited and Ors, prepared for Dunstan Legal (2008 – 2014).
- Expert reports on structural & building matters including BCA aspects regarding the 2005 bathroom renovations at 24 Lucinda Avenue, Wahroonga NSW; Megan Bowen & Peter Bowen - ats- Sandoh Constructions Pty Ltd t/as Creative Renovations, for Pateman Legal – 2008, 2009.
- Expert report on investigation of building defects at 16A Dorset Road, Northbridge NSW; CTTT Claim by Mrs Elizabeth Pang against Pantz Pty Ltd, for Turnbull Bowles, Lawyers (2009 - 2013).
- Expert report on brickwork growth considerations for a 3 storey commercial / residential building at 7 Darley Street, Mona Vale NSW; Marcolongo versus Lym International Pty Ltd, for Dunstan Legal (2008).
- Expert report on structural considerations regarding proposed underpinning remedial works for a 3 storey commercial / residential building at 7 Darley Street, Mona Vale NSW; Marcolongo versus Lym International Pty Ltd, for Dunstan Legal (2008).
- Expert report on investigation into indicative variation in strip footing loads for a 3 storey commercial / residential building at 7 Darley Street, Mona Vale NSW, due to construction methodology employed on adjacent eastern site; Marcolongo versus Lym International Pty Ltd, for Dunstan Legal (2007).
- Expert report on structural engineering matters concerning damage & damage potential due to Council's street trees adjacent 14 Etham Avenue, Darling Point NSW, District Court of NSW Proceeding of Adrian Howard Abbott versus Woollahra Municipal Council, prepared for Sarajinsky & Co Lawyers (2007).
- Expert report on structural engineering matters concerning damage to a residential house at 1A Clissold Street, Ashfield NSW, allegedly due to Camphor Laurel tree root growth, Land & Environment Court Proceeding, Long -ats- Zhang & Anor, prepared for McMahons National Lawyers (2007).
- Expert report on investigation of cause(s) of wind damage to a house under construction at Prince Edward Avenue, Dapto NSW, for McCulloch & Buggy Solicitors (2007).

2. Legal and Forensic Engineering

2.7 Civil & Structural Engineering Related Legal Cases – continued

- Expert report on investigation of design and construction of the footings and foundations to a new residential development at 47 Downing Street, Epping, regarding Mr Marwan Rahme's CTTT Proceedings as Respondent in relation to his construction of the dwelling for Mr Abbas Entezami Rudsari (2007).
- Expert report on investigation of remedial works water damage at 95 West Esplanade, Manly NSW, for Holman Webb Lawyers / Strata Plan 63607 (2007).
- Expert report on investigation of cracking and other defects to new townhouses at 10-14 Eagleview Road, Minto NSW, for E. J. Cressy Solicitor (2006-2007).
- Expert report on investigation of dispute over concrete work at The Gateway Development, 526 Great Western Highway, St Marys for Ziman & Ziman, Lawyers, / Billabong Hotel (St Marys) Pty Ltd (2007).
- Expert report on investigation of building defects associated with alterations & additions to 10 Botanic Road, Mosman NSW (CTTT matter) for Keith Hurst & Associates, Lawyers (2006).
- Expert report on investigation of Colorbond, profiled sheet fence infill panel failure due to impact by a child, Taren Road, Caringbah NSW, for Wotton & Kearney Insurance Lawyers (2006).
- Expert report on investigation of Class "A" hoarding failure due to wind (installed around Customs House forecourt, 31 Alfred Street, Circular Quay, Sydney) for Ebsworth & Ebsworth Lawyers (2006).
- Expert report on investigation of possible waffle raft slab and/or foundation defects in Clarendon Homes (NSW) Pty Limited built dwelling at 7 Grevillea Grove, East Heathcote NSW for Minter Ellison Lawyers / Clarendon Homes (2006).
- Structural engineering advice and design of temporary remedial strengthening of a building façade etc in Dowling Street, Woolloomooloo NSW following adjacent development site shoring works and excavation for DLA Phillips Fox / Department of Housing (2006-2007).
- Report on construction initiated land collapse at 18 / 20 Hunter Street, Dover Heights resulting in damage to house and pool for Turnbull Bowles Lawyers Pty Ltd (2006).
- Advice on accident involving collapse of a light pole during light replacement for T D Kelly & Co.
- Advice in case involving a movable cantilevered platform builder's hoist for McCaw Johnson.
- Advice on structural and construction safety aspects following a fall from a Milsystem mobile tower during dismantling for Hunt & Hunt.
- Expert structural advice regarding Office of Fair Trading action re 3 Bass Close, Corlette NSW for Clarendon Homes (NSW) Pty Ltd / Ebsworth & Ebsworth lawyers (2004).
- Expert structural advice based on calculations in accordance with AS 2159 & AS 3600 as to the structural capacity of contiguous piling at 80 Beecroft Rd, Beecroft, for Shirley Consulting Engineers Pty Ltd (2004).

2. Legal and Forensic Engineering

2.7 Civil & Structural Engineering Related Legal Cases – continued

- Expert structural advice based on calculations in accordance with AS 2870 & AS 3600 as to the appropriateness of strip footings for a residential property at 297 Dora Street, Hurstville, for Shirley Consulting Engineers Pty Ltd (2004).
- Expert report on existing damage and ramifications of demolition of a two storey residential terrace house on the adjacent property, Nos. 292 & 294 Abercrombie Street, Chippendale, for Phillips Fox / South Sydney Council (2003).
- Expert report on construction initiated subsidence causing damage to pool, fencing and dwelling on adjacent property at 18-20 Hunter Street, Dover Heights for John Notaras/Turnbull Bowles Lawyers (2003-2004).
- Expert report on driveway construction dispute, 87 Cambourne Ave, St Ives for Gillis Delaney & Brown (2003).
- Inspection, dilapidation survey, review of reports by other experts and report and general advice on severely cracked semi-detached dwellings at 2-3 Charles Street, Redfern, initiated by groundwater draw-down from nearby major roadworks for Mr Mondeguer (2003).
- Inspection and advice on driveway cracking to a residential villa development at Padstow for Westside Management Pty Ltd (2001).
- On-site dampness measurements, analysis and report on 3 storey Balmain property for Owners (2001).
- Advice regarding adequacy of design and construction of a reinforced, concrete blockwork retaining wall for Ebsworth & Ebsworth Lawyers (2001-2002).
- Inspection and report on foundation/footings performance and design problems at 12 Mountbatten Place, Valentine NSW for Clarendon Homes (Aust) Pty Ltd/Minter Ellison (2000).
- Advice regarding below ground dampness penetration from failed sewer pipe on adjacent property for Holman Webb Solicitors (2000).
- Advice regarding general dampness problems in a residential unit for Holman Webb / CGU Insurance (2000-2002).
- Advice regarding damage to a residential front boundary fence due to tree roots for Woollahra Municipal Council (1999).
- Advice regarding a building development dispute concerning a boundary retaining wall for Neil Lawson & Co (1999).
- Advice regarding a collapsed suspended ceiling for Fegan & Associates / Insearch Ltd (1999).
- Advice regarding an applied pavement finish failure for Mrs A Sullivan (1998).
- Advice regarding the collapse of sandstone block wall for Strata Plan 1976 (1998).
- Advice regarding the collapse of a steel-framed building for Dunhill Madden Butler (1998-1999).

2. Legal and Forensic Engineering

2.7 Civil & Structural Engineering Related Legal Cases – continued

- Advice regarding the design and construction of structural alterations by a tenant at 85 William Street, Sydney for Minter Ellison (1996-97).
- Advice regarding a builder's alleged damage to a sewer line for NZI Insurance (1996).
- Advice regarding professional indemnity action against a Structural Consultant for Philip Howell (1996).
- Advice regarding remedial underpinning works on a unit complex in Footscray for NZI Insurance (1995).
- Advice regarding seismic damage claim, Hunter Mall Chambers, Newcastle for Australian Loss Adjusters (1994).
- Advice regarding professional indemnity claim against a Structural Consultant for Blake Dawson Waldron (1994, 1997).
- Advice regarding damage claim on a Konti 300 Industrial Stuffer for LAC Loss Adjusters (1994).
- Expert witness regarding dampness and ventilation within a unit for K S Hurst and Assoc (1994).
- Advice regarding professional indemnity claim against a Structural Consultant for FAI (1994).
- Expert witness in claim against a builder for Hunt & Hunt (1994).
- Advice regarding a waterproofing of basement walls and slabs below grade to large town house complex at St. Ives, Pigott Stinson Stuart Thom / Metway Bank.
- Advice regarding a maintenance cradle for Grosvenor Place for Gilbert & Tobin.
- Advice regarding strip flooring failure for Liability and All Claims.
- Advice regarding structural and serviceability aspects for a multi-storey car park, Corrs Chambers Westgarth.
- Advice regarding professional indemnity claim for Sly and Weigall.
- Structural advice regarding professional indemnity claims for FAI Insurance.
- Expert witness in case involving collapse of a large cold store steel racking system at City Centre Cold Stores for A R Connolly & Co.
- Advice regarding alleged poor-quality concrete supplied by Pioneer Concrete (NSW) P/L for D Crapp.
- Expert witness on stability of a Clark fork lift truck fitted with a Mebam container handler in relation to the Construction Safety Act and the SAA Industrial Truck Code for Reid & Vesely.

2. Legal and Forensic Engineering

2.7 Civil & Structural Engineering Related Legal Cases – continued

- Expert witness on mechanical failure and the overturning of a truck chassis fitted with tipping body for Helen Chrysostomidis.
- Report on failure of a Favco Super Joey Crane for Westwood, Garton & Association Pty Ltd.
- Report on structural deficiencies of residence at Cronulla for McCaw Johnson.
- Advice regarding trolley accident at Dunlop's factory, Alexandria, for Hunt & Hunt.
- Investigation into possible causes of low strength grout in grout injected piles at DMR Central Workshops, Granville for Liability & All Claims.

3. Pre-purchase Engineering and Ordinance 70/BCA Audits

3.1 Commercial and Residential

- Pre-purchase advice regarding a residential property at 51 Barooka Road, Northbridge (2015)
- Pre-purchase advice regarding a residential property at 33 Centennial Avenue, Lane Cove (2015)
- Warren McKeon Dickson Solicitors - 9/22-26 Nursery St, Hornsby (2004)
- Mr Gus Kuiters - 89 Muston Street, Balmoral (2000-2001)
- Rogers/Baker & McKenzie, Solicitor - Apartment 6, 39-41 New Beach Road, Darling Point (2000)
- M J Knight, Solicitor - 71 Adelaide Street, Woollahra (1995)
- K S Hurst and Associates - 2 Holt Street, Stanmore (1994)
- K Kennedy - residence at 36 Gordon Street, Brighton-Le-Sands (1994)
- Church & Grace - Rest Hotel, overview of report prepared by GHD (1994)
- Telecom - Telecom Parramatta building complex fire stairs and associated egress (1994)
- H Stevens Pty Ltd - 406 Crown Street, Darlinghurst (1994)
- 600 George Street, Sydney for Garden & Montgomerie (1993)
- Ramada Hotel, Bondi for Horwath & Horwath (1993)
- Boulevard Hotel, Sydney for Asia Pacific Land Bernhard (1993)
- 940 Bourke Street, Waterloo for Hyde Property Consultants (1992)
- 80 Mount Street, North Sydney for H Platcher, 1992
- Capital Centre, 255 Pitt Street for Horwath & Horwath (1992)
- HCF House, George Street, Sydney for GHD-Vogan Pty Ltd (1992)
- 2GB House, 364 Sussex Street, Sydney for Tsang & Lee, 1991
- St Andrews House and 447 Kent Street (Actor House) for Glebe Administration Board and Owens-Rolls & Co Pty Ltd (1991)
- 66 St Georges Terrace, Perth, for GIO (1991)
- 75 Miller Street for Glebe Administration Board (1990)
- 55 Little Edward Street, Brisbane, for GIO (1989)

3. *Pre-purchase Engineering and Ordinance 70/BCA Audits*

3.1 *Commercial and Residential - continued*

- Unit 3 of Nargee Towers, Wollstonecraft for D J Dwyer (1989)
- Bathurst House, 209 Castlereagh Street, Sydney, for Davenport Campbell & Partners Pty Ltd (1989)
- Chinatown Centre, Haymarket Sydney, for Davenport Campbell & Partners Pty Ltd (1989)
- 55 Clarence Street, Sydney, for Prominent International (1989)
- 732-740A Military Road, Mosman, for GIO (1989)
- 36 Carrington Street, Sydney, for T W Crow & Associates (1989)
- GIO Centre, 146 Marsden Street, Parramatta, for GIO (1988)
- The Heritage, 56 Railway Street, Parramatta, for the Uniting Church Trust Association (1988)
- Three Motels in Windsor/Richmond for Mr Yip - Solicitor (1988)
- Grosefield Building, 29 Grose Street, Parramatta, for Mr M Chau (1988)
- 77 Pacific Highway, North Sydney, for Prominent International (1988)
- Eight industrial units, Seven Hills, for Prominent International (1988)
- Shops and offices, 438 High Street, Penrith, for Mr M Chau (1988)
- Factory, 4 Wenban Street, Wetherill Park for Futuris Industrial Products Pty Ltd. (1987)
- Portland House, 1 McLaren Street, North Sydney for Sherlock Financial Enterprises (1987)
- Henry Lawson Centre, 61-75 Henry Street, Penrith for GIO (1987)
- 65 Elizabeth Street, Sydney for GIO (1987)
- 200 Mary Street, Brisbane for GIO (1986)
- Peko House, 2-10 Loftus Street, Sydney for GIO (1986)
- BP House, 110 Alfred Street, Milsons Point for GIO (1986)
- Wiltrans House, 52-58 Clarence Street, Sydney for GIO (1986)
- 770 George Street, Sydney for GIO (1986)
- 128 Exhibition Street, Melbourne for GIO (1985)
- Frederick Jordan Chambers, Macquarie Street, Sydney for GIO (1984)

3. Pre-purchase Engineering and Ordinance 70/BCA Audits
3.1 Commercial and Residential - continued

- Bligh House, Sydney for GIO (1984)
- CBC Computer Centre, St Leonards for GIO (1984)
- Family Law Court, Parramatta for GIO (1983)

3. *Pre-purchase Engineering and Ordinance 70/BCA Audits*

3.2 *Industrial*

- Pymont Fire Station for redevelopment purposes for Board of Fire Commissioners / County Property Group P/L (1997)
- Public Works - Wallsend Public Works Depot (1994)
- Riverstone Meat Co., Riverstone for Smorgon Consolidated Industries (1992)
- 40 Stubbs Street, Auburn, industrial property for Ocean Office Automation Ltd
- 24 Pike Street, Rydalmere, industrial property for National Mutual Property Services
- 15-17 Egerton Street, Silverwater, for Unicla Australia Pty Ltd (1990)
- Harcourt Industrial Estate, Botany Road, Rosebery for Mercantile Mutual Holdings (1990)
- Warehouse/factory Cleg Street, Artarmon, for Janmic Trading Australia Pty Ltd (1989)
- Five industrial units, Lidcombe, for GIO (1989)
- Industrial Complex, Lot 4, Amour Street, Milperra, for GIO (1989)
- Factory, 16-18 Carlotta Street, Artarmon, for Janmic Trading (1988)
- Warehouse Industrial Units, 110 Station Road, Seven Hills for GIO (1987)
- James Hardie Industries, Kingsgrove for GIO (1986)
- No 8 Clearview Place, Brookvale for GIO (1983)
- No 2 Hayes Road, Rosebery for GIO (1983)

4. *Pre-lease Structural and Ordinance 70/BCA Audits*

- 79 Kiora Road, Miranda, for State Compensation Board
- 81 Railway Street, Rockdale for State Compensation Board
- 91 George Street, Parramatta for State Compensation Board

5. *Fire and Life Safety Audits*

- On-site investigation and assessment of potential upgrade options to existing fire and life safety provisions at 406 Crown Street, Darlinghurst, for H Stevens Pty Ltd (2004)
- On-site investigation of the existing synagogue egress provisions based on current BCA96 requirements and the ramifications of installing a mechitzah screen for the North Shore Synagogue (2002)
- Central Electric Station - compliance with SRA Standard Guidelines for underground stations, BCA and NFPA 130
- Wynyard Station - The Rice Daubney Group

6. *Post Fire Surveys*

- Report on investigation of building related responsibilities following fire initiated in wood fire pizza oven flue at the Astor Hotel Motel, 93 Auburn Street, Goulburn NSW on 5-Sep-2007 for Wotton + Kearney (2009)
- Report on building reinstatement, Armour Timber Co., for Liability and All Claims
- Report on effects of fire on sandwich panels at Dairy Framers Co-Op Ltd for Bondor Pty Ltd
- Three buildings at 321 Parramatta Road, Auburn, for AFT (1987)

7. *Dilapidation Surveys*

- Residential property survey of semi-detached dwelling at 52A Balfour Road, Bellevue Hill (2009)
- Survey of a large block of residential units at 20 Birriga Rd, Bellevue Hill for LMS Investments Pty Ltd including preparation of plans and cross-sections showing ramifications/shortcomings of proposed adjacent development liaison with Council and Developer and submission of suggested revised development approval conditions to Council (2003)
- Low rise commercial property at 9 Rohini Street, Turramurra due to adjacent redevelopment construction works for Mr A Gough (2003-2004)
- Residential property surveys adjacent to proposed large, medium- rise unit development at 107 Henry Parry Drive, Gosford for Home Corp No. 100 Pty Ltd (2000)
- Survey and advice on a residential property at 61 Portland Street, Dover Heights, for Mr M Skovron (2000)
- Survey and advice on a residential property at 2 Lola Road, Dover Heights, for Mr J Jellins (2000)
- Commercial high-rise property at 159 Kent Street, Sydney, for GIO Property Investments (1998)
- Commercial medium rise property at 2 Martin Place, Sydney, for GIO Property Investments (1997)
- Survey and advice on a residential property at 33 Kunipipi Street, St Clair, for the BCC/RTA (1997)
- Survey and advice on a residential property at 31 Kunipipi Street, St Clair, for the BCC/RTA (1997)
- Survey and advice on a residential property at 15 Kunipipi Street, St Clair, for the BCC/RTA (1997)
- Survey and advice on a residential property at 13 Kunipipi Street, St Clair, for the BCC/RTA (1997)
- Survey and advice on a block of units at Mosman for Grzelak & Bryant, Architects (1997)
- Residential property at 86 Wallis Street, Woollahra, for Mrs Diana Black (1997-1999)
- Residential property at 7 Austin Woodbury Place, Toongabbie, for Minter Ellison (1997)
- Commercial high-rise property at 159 Kent Street, Sydney, for GIO Property Investments (1996)
- TNT Sydney Monorail Maintenance Depot, Pyrmont, for Australian Water Technologies (1995)
- Survey and advice on residence at 24 Clifford Avenue, Fairlight for Mr & Mrs Lea (1994)
- CBD office buildings for GIO Australia
- Residential property at 78 Barcom Avenue, Rushcutters Bay, for Martin Wood/Philip Perrie & Associates (1995)

7. Dilapidation Surveys - continued

- Residential property at 76 Barcom Avenue, Rushcutters Bay for Jackie Pascoe/Philip Perrie & Associates (1995)
- Residential property at 201 Harris Street, Ultimo, for Australian Water Technologies (1995)
- Residential property at 203 Harris Street, Ultimo, for Australian Water Technologies (1995)
- Bandido's Clubhouse at 212 Harris Street, Ultimo, for Australian Water Technologies (1995)
- Quarryman's Hotel, Harris Street, Ultimo, for Australian Water Technologies (1995)
- Dunkirk Hotel, Harris Street, Ultimo, for Australian Water Technologies (1995)
- Commercial properties at 209-221 Harris Street, Ultimo, for Australian Water Technologies (1995)
- Commercial properties at 2-2b Ada Place, Ultimo, for Australian Water Technologies (1995)
- Commercial property at 46 Pymont Bridge Road, Ultimo, for Australian Water Technologies (1995)
- Commercial property at 48 Pymont Bridge Road, Ultimo, for Australian Water Technologies (1995)
- Commercial property at 55 Pymont Bridge Road, Ultimo, (Galaxy) for Australian Water Technologies (1995)
- Residential property at 224 Harris Street, Ultimo, for Australian Water Technologies (1995)
- Commercial properties at 224A Harris Street, Ultimo, for Australian Water Technologies (1995)
- Residential property at 228 Harris Street, Ultimo, for Australian Water Technologies (1995)
- Residential property at 226 Harris Street, Ultimo, for Australian Water Technologies (1995)
- NSW Fire Brigades Buildings at 147 Gipps Street, Ultimo, for Australian Water Technologies (1995)

8. Building Works

8.1 Commercial, Institutional & Residential

- Expert opinion on liability issues regarding water penetration following alterations & additions to 7 Charlotte Lane, Darlinghurst NSW 2010 for Blade Developments Pty Ltd (2010)
- Project Management of external remedial works to Towers A & B, The "OSCAR", 2A Hollywood Avenue, Bondi Junction NSW for Owners Corporation SP 50442 (2009 – 2011)
- Investigation, design & documentation of remedial works to Units 12A & 12B at 10 Hilltop Crescent, Fairlight NSW (residential units building of 13 storeys known as "Tarquin") prepared for Owners Corporation SP 12476 (2008 - 2011)
- Design & documentation of alterations and extensions to 86 Beechworth Road, Pymble, for Mr A Jacobs (2007)
- Design and construction appraisal of a temporary, tubular steel framed structure for North Shore Synagogue (2005)
- Report on implications of residential development works in progress on and adjacent the rear boundary of 18 Napier Street, Dover Heights, on 17 Rodney Street, Dover Heights, NSW for Ms I Notaras (2005)
- Structural design of precast, reinforced concrete retaining wall panels for site stabilisation and earthworks, Lot 3 Lara Street, Woy Woy, for Shirley Consulting (geotechnical) Engineers Pty Ltd (2005)
- Structural design, documentation and calling of tenders for alternative underpinning options and other remedial works to semi-detached dwellings at Nos. 2 & 3 Charles Street, Redfern NSW for Roads and Traffic Authority of NSW (2004 - current)
- Structural design check on proposed residential property at 165 Williams Road, Kulnura NSW for Yarramalong Unit Trust / Andrew Shirley (2004)
- Structural design check, re-design and documentation of residential first floor (timber and steel) at 20 Laurence Ave, Turramurra for Graham Reward (2003)
- Structural design and documentation of alterations to house at 12 St Pauls Road, North Balgowlah for Anne Vrisakis (2003)
- Inspection and advice on remedial work options to sandstone block retaining wall, pool and garden stairs 21 East Crescent Street, McMahons Point for Strata Plan 1976 (2003)
- Inspection and advice on damage to boundary masonry wall for Philip Sachs & Associates (2003)
- Structural design of suspended roadway at 2, 4 & 6 The Avenue, Newport NSW for 2-4-6 Subdivision Venture and Shirley Consulting Engineers Pty Ltd (2003)
- Structural feasibility study on roof framing/trusses and upper floor supports for proposed residence at 165 Williams Road, Kulnura NSW for Mr A Shirley (2001)
- Inspection and advice on remedial works to a large, multi-storey residential development at Waterloo for Body Corporate (2001)

8. Building Works

8.1 Commercial, Institutional & Residential - continued

- Structural design and documentation of a large garage and carport at 7 Seville Place, Kenthurst for Mr & Mrs Cordukes (2001)
- Remedial work design, documentation and supervision of two sets of stairs to Council owned building at Parsley Bay for Woollahra Municipal Council (2001-2002)
- Structural design and specification of a free-standing pergola building at 7 Suffolk Close, St Ives for Mr Thomson (2001)
- Design and specification of structural upgrade of roof and walls to “The Wool Shed” Rouse Hill for acoustic upgrade purposes, Mean Fiddler Hotel / Lyle Marshall & Associates (2001)
- Design and documentation of alterations and additions to two storey house at 10 Arthur Street, Dover Heights for Mr & Mrs Horak (2002, stopped by Client and property sold).
- Remedial works design, documentation and supervision for Lamb & Walters Strata Managers / Owners Corporation SP 33939, 721 Pacific Highway, Gordon (2001-2002).
- Final design and documentation of alterations and ‘extension’ to Unit 413, Dougherty Apartments (2000-2001)
- Remedial works design, documentation and supervision for Strata Plan 37833, 11 Ian Street, Rose Bay (2000-2002)
- Feasibility study on alterations and ‘extension’ to Unit 413, Dougherty Apartments (2000)
- Heavy vehicle manoeuvring considerations and RC pavement design for industrial estate at 44 Boorea Street Lidcombe for GIO Property Investments (1999), contract administration (2000)
- First floor roof garden and recreation area and screen fencing for Dougherty Apartments, Chatswood (1998)
- Basement level remedial works, 2 Martin Place, Sydney, for GIO Property Investments (1998)
- 2 Holt Street, Stanmore, DA stage design for conversion of offices to residential units (1998)
- Dougherty Apartments, Chatswood, alterations and extensions for Dougherty Apartments Management (1997)
- Engineering feasibility study for the consolidation of all Council service business units on to one of two sites, Marrickville Council (1996)
- Dept. of Housing - Dougherty Apartments, Chatswood, remedial works technical supervision (1995 -1997)
- Inspection and remedial works documentation, three storey block of residential units, Woollahra, for Body Corporate (2001)
- TAFE - Building 'M', Ultimo Campus, remedial works to cracked brickwork (1994)

8. Building Works

8.1 Commercial, Institutional & Residential - continued

- Dept. of Housing - Dougherty Apartments, Chatswood, remedial works investigation and documentation (1994)
- Four storey block of residential units, Mosman, for Cedardell Pty Ltd (1993)
- Investigation into floor load capacity of Marrickville Town Hall for Marrickville Municipal Council
- Feasibility study into redevelopment of wool stores at Darling Harbour for Consolidated Press Holdings Ltd
- Eleven town houses at Putney for GHD-Vogan
- BP House, Milsons Point, air conditioning upgrade for GIO
- Fit-out, 91 George Street Parramatta, for State Compensation Board
- Alterations to Springwood Post Office for Australia Post
- Design and construct tender documentation for Pluim Constructions:
 - Braddock High School, \$8.5M
 - Tenterfield High School, \$1.4M
 - Panorama Estate medium rise residential development, \$6.5M
- TNT Light Monorail stations at Haymarket, Convention Centre and Harbourside
- Hobart International Hotel, Tasmania
- Woolworths Store, Katherine NT, architect Stokes Hayes & Kanas Pty Ltd
- GIO Computer Centre, St Leonards, refurbishment and modifications including major truss structure over roof to support large standby diesel alternator
- Branxton Primary School structural design for Department of Public Works, Newcastle
- Uniting Church Centre for Ministry, North Parramatta Uniting Church (1986) - architect Hely & Horne, Stuart & Perry
- Coombah II Retirement Living Centre, Epping for Uniting Church
- SRA bus-rail interchange covered ways at Rooty Hill, Seven Hills, Merrylands and Granville
- Manly Cove Redevelopment marine and structural tender documentation for Sabemo
- MLC Shops and Offices, Bundaberg
- State Emergency Services Building, Sydney, NSW (preliminary designs).
- Queensland Insurance Building, Queensland (preliminary designs).

8. Building Works

8.1 Commercial, Institutional & Residential - continued

- Bank of New South Wales, Bowen
- Queensland Housing Commission units and houses
- McDonald House lift core
- Windsor Civic Centre, Windsor NSW
- Asquith Church, NSW
- St Patrick's Boathouse, Victoria
- Numerous low-rise office and factory buildings (New Zealand)

8. Building Works

8.2 Industrial and Miscellaneous Structures

- Preliminary design and costing of two alternative large bus cleaning shade structures / buildings for State Transit Authority of NSW at their Kingsgrove Depot (2005-2006).
- Design, documentation and construction phase services in relation to the design of a subdivisional wall within an existing industrial warehouse for Fredon Industries (2005-2006).
- Brookvale Bus Depot investigation of cracking in workshop service bay slabs at anchor pot jacking points and advice on equipment and in-situ testing options for State Transit Authority of NSW (2003-2004)
- Kingsgrove Bus Depot investigation of shade structure building options for bus cleaning crews for State Transit Authority of NSW (2003)
- Leichhardt Bus Depot circa 1913 Tram Building minimum cost upgrade study for State Transit Authority of NSW (2002) including remedial work design and supervision (2002)
- Lohning International Pty Ltd - City Sightseeing Buses - seating strength review (2000)
- GIO Property Investments - design, documentation of pavement remedial works including semi-trailer clearance diagrams/traffic considerations etc (1999)
- STA Kingsgrove Bus Depot - Design, documentation management of pavement remedial works (1999)
- Treco Storage Systems Pty Ltd - re-design/certification of Palm Beach range of carports (1997)
- Treco Storage Systems Pty Ltd - design assessment of Garden Shed range of products (1995)
- State Transit - Kingsgrove bus depot new pavement options and remedial works (1996)
- Fredon Industries Pty Ltd - review of existing structure, analysis and design certification (1994)
- Structural assessment of racking systems for Brambles in NSW, VIC, SA, WA and QLD (1994)
- Randwick Bus Depot - report on condition of timber power poles (1994)
- Randwick Bus Depot - design and documentation of Chassis Wash building (1994)
- Randwick Bus Depot - Design and documentation of large entry and exit swing gates (1994)
- Schering Pty Ltd - Doody Street warehouse to office conversion (1994)
- Telecom - roof level plant platform for Kogarah Telephone Exchange (1994)
- Factory relocation - D&C specification for two industrial buildings for Performance Sailcraft Pty Ltd (1993)
- Randwick Bus Depot Redevelopment including pavements, refueling building, buswash building and service pits (1993)

8. Building Works

8.2 Industrial and Miscellaneous Structures - continued

- Performance specification for new printed packaging factory at Smithfield for Anzpac Services (Aust.) Pty Ltd
- BHP Sydney Wiremill upgrade - Phase 1 study on building options
- Horizons Club Resort - elevated irrigation substation
- Filter press and tank support structures for James Hardie at Rosehill and Camellia (1991)
- Structural appraisal of Mortlake Gas Works site buildings for recycling potential
- Factory changes and additions for Claude Neon at Alexandria
- Multistorey Industrial Units, Hornsby for Deranja Constructions - design only - (1989)
- Namoi Valley County Council Bourke Depot for Rudder Littlemore & Rudder Pty Ltd
- Mount Arthur North Coal Project - preparation of design briefs and project management for the administrative and industrial buildings
- Ravensworth Coal Washery administrative and industrial buildings
- Industrial Development, 55 Kent Road Mascot, for Local Government Superannuation Board (1984) - Architect, Bill Firth & Partners Pty Ltd
- Hardie Trading Factory, Wacol (1978)
- Reliance Manufacturing Company, Newstead (site cast tilt-up construction)
- Dalgety Factory Foundations
- Howard Chemical Store
- Rous County Council Maintenance Depot
- Cambells Soups Office/Factory Extensions, Victoria
- Port Waratah Train Servicing Complex NSW
- Automatic Totalisators Office & Factory, NSW
- Several low-rise factory buildings (New Zealand)

9. Structural Checking of High Rise Buildings for Councils

- Greenmount Stage I, Gold Coast
- Miscellaneous buildings for Brisbane City Council
- Collins Place Project, twin 180 m high towers, Melbourne, Victoria.
- Nauru House, Melbourne, Victoria
- Commercial Bank Building, Melbourne, Victoria

10. Other Structural Checking for Councils

- Wind analysis and hold-down/kentledge requirements/certification for 12 m x 6 m temporary marquee for Woollahra Council (2001)
- Wind analysis and hold-down/kentledge requirements/certification for 9 m x 6 m and 9 m x 3 m temporary marquees for Woollahra Council (2001)

11. Antenna Design

- Design and supervision of manufacture of the prototype Interscan microwave landing system support structures and reflectors. Designs won for Gutteridge Haskins & Davey an ACEA Engineering Award in 1976
- Design of a range of DVOR Counterpoise antennae for AWA (1991)

Papers:

- *Interscan: Antenna Implementation - Structural Aspects, IREE International Electronics Convention, 1975.*

- **12. Sport, Swimming and Leisure Centres**
- Review of Proposed Remedial Work Options Reports and Associated Peer Review Meeting in Relation to the Andrew (Boy) Charlton Pool, The Domain, Woolloomooloo NSW for City of Sydney (2008).
- Junee Shire Council - general condition survey of Junee Olympic Swimming Pool complex including short, medium and long term remedial work cost estimates, and pool heating options (1999 - 2000)
- Temora Shire Council - general condition survey of Temora Olympic Pool complex (1996)
- Dubbo City Council - tender documentation for heating of Dubbo Swimming Centre Olympic Pool (1995)
- Dubbo City Council - general condition survey of Dubbo Swimming Centre complex (1995)
- Cowra Shire Council - Cowra Swimming Centre complex remedial works and preliminary feasibility study (1994)
- Concord Council - Cabarita Swimming Pool complex general condition survey (1994)
- Ashfield swimming pool complex concept study for Barry Hall Architecture
- Cyclists Amenities and Maintenance Building and open-air grandstand seating - Chandler Velodrome, Brisbane
- Enclosed single tiered grandstand - Chandler Velodrome, Brisbane
- New gravity filters, plant, store rooms for McNeiley Swimming Centre - Marrickville Municipal Council
- Feasibility study into alternative methods of heating the 50 metre Andrew Charlton Pool, Woolloomooloo, for the Council of the City of Sydney
- Investigation and resolution of pool filter system problems at Shore School, North Sydney
- Indoor roof level heated pool, Sheraton Hobart Hotel, including vibration and acoustic isolation
- University of NSW 50 metre heated indoor pool and facilities
- Ryde Municipal Council enclosed and heated 25 metre pool and facilities - supervision
- New gravity filters for 'T' pool - Ryde Municipal Council pool complex
- New gravity filters for Petersham and Enmore Swimming Centres - Marrickville Municipal Council
- Feasibility study for a 25 metre heated, indoor pool and hydrotherapy pool at Bexley Swimming Centre for Rockdale Municipal Council
- Feasibility study for the provision of an air supported cover and heating to the 50 metre Olympic pool at the Bexley Swimming Centre for Rockdale Municipal Council

12. **Sport, Swimming and Leisure Centres - continued**

- Feasibility study on 25 metre indoor heated swimming pools at Penrith and/or St Marys for Penrith City Council
- Aquatic development options for a community recreation & leisure facility at Lambton Park, Newcastle
- Report on development of a swimming and leisure complex at Forster for Great Lakes Shire Council
- Conceptual design of Forster Swimming and Leisure Centre for Great Lakes Shire Council
- Domestic pool designs

Papers:

- *The Institute of Swimming & Recreation Centre Management of Australia, National Seminar 1994, Sydney, Management Options for Council Recreation Swimming and Fitness Centres.*
- *28th National Seminar of the Institute of Swimming & Recreation Centre Management of Australia, 1992, Life Expectancy & Maintenance Considerations of Aquatic Leisure Centres.*
- *The Planning and Management of Recreation Facilities, NSW Department of Sport, Recreation & Racing, 1990. Establishing Feasibility: (a) Market Analysis (b) The Draft Management Plan (c) Preliminary Design Development.*
- *Pool Heating Implications - The Total Picture, Heat Pump Seminar Sponsored by Electricity Technology Centre, 1989/1990.*

13. Bridge Works

- Survey and report on condition, remedial work requirements and load rating of a timber bridge at Woollahra Golf Course for Woollahra Municipal Council (1999)
- Survey and report on condition of Brighton Baths Jetty superstructure for Rockdale Council (1994)
- Low-level steel girder and steel deck bridge over Namoi River for Novacoal
- Preparation of design briefs for Georges River East and West Rail Bridges for SRA
- Munjina George Bridges, Great Northern Highway, Mt Newman to Port Hedland, WA, design alternatives in steel and precast prestressed concrete
- Bagot Road Flyover, Darwin - design and advice during construction of a curved, five span continuous, precast, post tensioned (stage stressed) segmental two cell box girder bridge. GHD received an ACEA Engineering Award for investigation, design and supervision of this project in October 1982 and the Inaugural Engineering Excellence Award of the Institution of Engineers, Australia, Northern Territory Division
- Lilley Waterholes Bridge - Gregory Mine Railway
- Cooling Water Channel Bridge - Gregory Mine Railway
- Capricorn Highway Road Over Rail Underpass - Gregory Mine Railway
- Big Tuan Creek Bridge
- Post-tender off site supervision assistance to BHP on Gregory Mine Railway Bridges
- Bridge over Georges River, Warwick Farm, Liverpool
- Kings Hill Bridge, Mulgoa
- Littlefields Road Bridge, Gainsford Park
- Kemps Creek Bridge, Austral
- Boorowa River Bridge, Springvale
- Darling Mills Creek Bridge, Baulkham Hills
- Tuggeranong Lake Bridge, Tuggeranong (feasibility study)
- Eastern Creek Bridge, Rooty Hill NSW (supervision)
- Hammers Road Bridge, Northmead NSW (supervision)
- Marsden Street, Bridge, Parramatta NSW (supervision)
- Numerous bridge designs for Piako County Council, New Zealand, including flood/waterway calculations and survey

14. Civil Works

14.1 Water Retaining Structures

- 2.5 Ml prestressed concrete reservoir - Leeton (alternate tender design)
- 1.4 Ml elevated water tower, Bundaberg
- Sewerage Treatment Plant, Bundamba
- Wastewater Treatment Plant, Howard
- AMOCO fuel oil steel tanks
- Swimming pools

14.2 Culverts

- Gregory Mine Railway (reinforced concrete)
- Erakala-Mackay Harbour Branch Railway (reinforced concrete)
- Preparation GHD technical manual 'Basis of Design of Box Culverts Subject to Earth Pressure & Railway Loading'
- Dalgety's Creek, near Wisemans Ferry NSW
- Jamiesons Creek, Emu Plains NSW

14. Civil Works

14.3 Miscellaneous

- Assessment of general propping requirements for shop awnings, Forrest Road, Hurstville NSW for Synchronised Building Services Pty Ltd (2010)
- Design & documentation of excavation strutting for proposed new commercial development at 40-60 Victoria Road, Drummoyne NSW for Lightning Constructions [Aust.] Pty Ltd / Shirley Consulting Engineers Pty Ltd (2007)
- Investigation and advice as to probable cause of partial collapse of factory perimeter masonry wall and slab failure at 40 Ricketty Street, Mascot for Goldstein Eswood (2004)
- Investigation and advice regarding an existing retaining wall and pathway at 12 Hope Street, Pymble for R & J Layman / The Garden Design Studio (2004)
- Investigation and assessment of load-rating of stage slab for North Shore Synagogue (2003-2004)
- Preliminary investigation into alterations to Unit 6, 13-15 Sutherland St, Darling Point for Mr & Mrs Cohen (2003)
- Investigation into preschool toilet block options for Masada College (2003)
- Investigation and advice regarding the grading of a long, steep subdivisional driveway at Cherrybrook NSW for Mrs J Belme (2002)
- Investigation and advice on alternative remedial measures following partial failure of a boundary masonry wall to a large residential unit development at 7-9 Brunton Place, Marsfield for Owners Corporation Strata Scheme 18910 / Raine & Horne Strata (2002)
- Investigation and advice on remedial measures following collapse of a boundary masonry wall due to adjacent excavation for new commercial and residential medium rise building basement levels at Layton Street, Camperdown for Hudson Building Development Corporation (2001)
- Investigation and approval certification of core hole locations at 51 Druitt Street (corner Sussex Street), Sydney, for Brice Civil Engineering Pty Ltd (2001)
- Investigation and approval certification of core hole locations at 157 Walker Street, North Sydney, for Brice Civil Engineering Pty Ltd (2001)
- Investigation and approval certification of core hole locations at North Tower Chatswood Central for Brice Civil Engineering Pty Ltd (2001)
- Investigation into viability of strengthening and/or replacement of masonry boundary walls at Bancroft Avenue, Roseville for Messrs. Fagan and Morton (2001)
- Investigation into residential site drainage and pool cracking, Epping Avenue, Epping, for Mr Doran, (2001)
- Investigation into residential site drainage and building dampness problems, Alice Street, Newtown, for Ms Ugurluyan, (2001)
- Design, documentation and supervision of precast concrete crib wall at 44 Boorea street, Lidcombe for GIO Property Investments (1999 - 2000)

14. Civil Works

14.3 Miscellaneous - continued

- Residential driveway regrading options for Lynn & Micha Perry (1998)
- F3 Freeway Crib Wall for Thiess Contractors Pty Ltd
- Structural check on weir plate and float
- Civil works including roads, subdivisions, drainage, surveying (New Zealand)

15. Miscellaneous Building & Structural Jobs and Reports

- Advice on BCA 2016 Volume One travel distances and egress doorways for a Class 2 unit and structural implications of retro-fitting an internal lift at Apt 124, 169 Phillip Street, Waterloo (2017)
- Report to Woollahra Municipal Council on behalf of unit owner at 2A Wentworth Street, Point Piper concerning substantial non-compliance with Woollahra Local Environmental Plan 2014, Woollahra Development Control Plan 2015 and geotechnical / structural issues regarding proposed adjacent multi-storey development (2017)
- Civil / structural advice in relation to proposed adjacent excavation near side-boundary to residential property at 51 Baroona Road, Northbridge (2017)
- Inspections of various units at 2A Wentworth Street, Point Piper NSW in relation to flooring changes and building works for Harbourview Mansions Pty Ltd (2016-2017)
- Preliminary advice to ADCO Constructions Pty Ltd regarding tiling issues, Seniors Courtyard at Knox Grammar School (2016)
- Response on behalf of Client to NRMA Insurance re their unsubstantiated request for reimbursement of unspecified costs regarding an alleged vehicle incident on 01-Jan-2015
- Advice regarding townhouse kitchen / breakfast alterations & additions at 9 / 1A Lillis Street, Cammeray NSW for The Owners (2012)
- Advice regarding dampness considerations for alterations and additions at 9 Renwick Street, Alexandria NSW 2015 for Blade Developments Pty Ltd (2011)
- Opinion on liability issues regarding water penetration, alterations & additions to 7 Charlotte Lane, Darlinghurst NSW 2010 for Blade Developments Pty Ltd (2010)
- Design and documentation of a structural steel system to allow the opening for a double doorway between offices at 895 Pacific Highway, Pymble NSW (2009)
- Design and documentation of a structural system to allow the removal and replacement of a masonry column supporting RC slab and wall loads with a steel column and beam(s) at 3 Wentworth Road, Vaucluse NSW for Mr A Lipman (on hold)
- Preliminary investigation into basement wall and floor leaks within a new residential house at 44 Pearson Street, Wentworthville NSW for Penetron Australia (2008)
- Report to Woollahra Municipal Council objecting to proposed Development Application for 1/2 Wentworth Street [proposed demolition of the existing building and construction of a new residential flat building with basement car park, swimming pool and roof terrace] on behalf of Unit Owner at 2a Wentworth Street, Point Piper NSW (2008)
- Report on preliminary investigation comments regarding observed building defects/damage (slab cracking & pavement settlement) to DHL occupied building at 283 Coward Street, Mascot NSW for Goodman Property Services (Aust) Pty Ltd (2008)
- Report on inspection & photographic record of semi-detached dwelling at No.2 Charles Street, Redfern NSW prepared for Roads and Traffic Authority of NSW, Corporate Real Estate (2008)

15. Miscellaneous Building & Structural Jobs and Reports – continued

- Preparation of concrete shrinkage calculations for an industrial pavement for Shirley Consulting Engineers Pty Ltd (2007)
- Re-design of a 'standard' bus shelter footing to suit site conditions including assessment of all associated design loads at corner Glenmore Road and Flinton Terrace, Paddington NSW for Woollahra Municipal Council (2007)
- Report on façade remedial work tenders and associated documentation overview for high-rise unit development at 2A Hollywood Avenue, Bondi Junction NSW for Mr W S Spero (2006)
- Investigation and detailed report on visible defects associated with alterations & additions to 40 Johnston Street, Annandale NSW, and review and comment on the structural design, documentation and inspection services and the Builder's work for Mrs G Gorham (2006)
- Report to Woollahra Municipal Council objecting to proposed adjacent redevelopment Development Application on behalf of Unit Owner at 2a Wentworth Street, Point Piper NSW (2004)
- Investigation into alleged defects with new pool and associated plant at 2 Ottway Close, St Ives for Mr & Mrs Ip (2003)
- Investigation and design and documentation of an electrical switch room for the North Shore Synagogue (2002)
- Assessment and report on potential construction ramifications on adjacent block of units associated with the Development Application for 18 Birriga Road, Bellevue Hill due to proposed excavation depth and construction form for LMS Investments Pty Ltd (2002) plus on-going advice to developer's consultants.
- Advice following residence and pool subsidence due to adjacent development's excavation, 18-20 Hunter Street, Dover Heights for Mr John Notaras (2002)
- Advice regarding the partial collapse of a timber post and log retaining wall at Karloo Parade, Newport for W J Holley Constructions P/L / Mr & Mrs Brown (2002)
- Report on aspects of an underpinning failure to a residential property at Denison Street, Queens Park for Shirley Consulting Engineers Pty Ltd on behalf of underpinning contractor's insurer (2002)
- Report on causes of residential slab settlement at Bonnyrigg NSW for McLarens Toplis/Suncorp Insurance Ltd (2002)
- Report on causes of cracking in Unit Development walls at Dulwich Hill NSW for McLarens Toplis/CGU Insurance Ltd (2002)
- Structural investigation into deterioration of building slab/steelwork ("Stahlton" suspended proprietary slab and steel support beams) at Alto Ford Gordon for McIntosh Constructions Pty Ltd / Sydney RJV Pty Ltd (2002)

15. Miscellaneous Building & Structural Jobs and Reports – continued

- Construction phase inspection of a residential property at Wahroonga and report on problems for Joanne & Stuart Pinn (2002)
- Inspection of defects and recommendation on remedial works for Woollahra Municipal Council on their building at Cooper Park (2001)
- Strength assessment of bus seat in accordance with ADR's for City Sightseeing Buses / Lohning International Pty Ltd (2000)
- Advice on proposed project home floor plans etc for Mr Denis Owen
- Inspection and report on construction matters of an almost complete project home at 21 Hendy Ave, Collaroy for Mr Geoff Taylor
- Project management of above ground diesel tank removal at Kingsgrove Bus Depot for State Transit Authority (2000-2001)
- Design and documentation of opening enlargement between rooms at Unit 6, 55 The Crescent, Fairlight (2000)
- Structural assessment and provision of a "Limited Structural Certificate" for timber roof framing to an existing garage roof extension at 404 Penshurst Street, Chatswood NSW for Mr Telfer (2006)
- Advice on remedial work tenders received & associated documentation overview for the large, hi-rise residential development at 2A Hollywood Avenue, Bondi Junction, for W S Spero
- Advice on BCA96 beam fire-rating requirements for redevelopment work at Parramatta Fire Station for Alden Associates Consulting Engineers (2000)
- Advice on testing of plastic lumber for Plantation Pine Constructions Pty Ltd (2000)
- Remedial work to sunken diesel tank dip-point and pavement at Kingsgrove Bus Depot for State Transit Authority (2000)
- Inspection and report on damage to warehouse slab-on-ground and associated joints at 70 Gibbes Street, Chatswood for GIO Property Investments (1999)
- Inspection of crib block retaining wall for GIO Australia Property Investments (1999)
- Inspection of damage to front boundary clay brick masonry wall for Woollahra Council (1999)
- Inspection of chimneys for Complete Building Works (1999)
- Residential renovations for M & C Skovron (1998)
- Pre-tender assistance with C130 and Black Hawk simulator buildings for Wormald Technology (1996)

15. **Miscellaneous Building & Structural Jobs and Reports – continued**

- Advice on water proofing aspects of a large unit complex for Pigott Stinson Stuart Thom (1993-94)
- Asbestos survey, Noamunga Crescent, Gwandalan, for Property Services Group
- Cable route support beams across Ourimbah Creek for State Rail Authority
- Survey of Rydalmere Hospital (south) Campus for asbestos containing materials for the Department of Health
- Asbestos survey of 62 Pitt Street, Sydney, for Baillieu Knight Frank
- Domestic construction - design and supervision
- Preparation of GHD technical manuals and specifications including Standard Specifications for GHD on:

- Concrete	- Corrosion Protection
- Reinforcement	- Design of box culverts subject to train loads
- Steel	- Design of water retaining structures
- Masonry	- Design of joints in Concrete
- Timber	- Manual for Design of Water Based Leisure Centres
- Foundations	- Bridge Cost Estimating
- Underwriting Report for Boral Limited's 269-hectare quarry, transport and operations centre, Greystanes NSW
- Reports on vibration damage to buildings and construction vibration limits
- Report on collapsed brickwork wall of BBC Wollongong store and rectification design for Clayton Robard Management Ltd
- Review of DMR repair costs to border bridge over the McIntyre River at Goondiwindi for Hunt & Hunt
- Preparation of performance specification to protect tenant operations during Anchor House upgrade for Westpac
- Feasibility study and planning advice for proposed branch relocation, Mona Vale, for Westpac
- Defects liability inspections for GIO and UCTA
- Structural survey of shops, 14-17 The Crescent, Penrith, for L J Hooker
- Development work on Teflon washers under load - carried out at Sydney University.
- Factory monorail systems
- Ordinance 70 upgrade of 1 McLaren Street, North Sydney for Australian Fixed Trusts
- Family Law Court - restoration following bomb damage for GIO

15. *Miscellaneous Building & Structural Jobs and Reports – continued*

- Office fit-out for Schering Pty Ltd
- David Jones, Brisbane (restoration work to timber piles)
- Upgrade of fire stairs for compliance with Ordinance 70 for Janitors Supplies
- Structural inspections of sky channel receiver sites for design and documentation of specific installation requirements, Swan Television & Radio Broadcasting Limited

16. *Papers Presented (Summary)*

- College of Investigative and Remedial Consulting Engineers of Australia Inc, Annual Risk Management Seminar 17-Nov-2017 – Risks & Expectations of Contractors During Construction – an Engineer’s Perspective.
- College of Investigative and Remedial Consulting Engineers of Australia Inc, Annual Risk Management Seminar 20-Nov-2015 – Specification and Detailing of Remedial Works and Implications of Observed Cracking.
- College of Investigative and Remedial Consulting Engineers of Australia Inc, Annual Risk Management Seminar 20-Nov-2012 – SWMS Guidelines for Inspecting Personnel and Project Managers and SWMS Guidance for Project Managers.
- The Institute of Swimming & Recreation Centre Management of Australia, National Seminar 1994, Sydney, Management Options for Council Recreation Swimming and Fitness Centres.
- 28th National Seminar of the Institute of Swimming & Recreation Centre Management of Australia, 1992, Life Expectancy & Maintenance Considerations of Aquatic Leisure Centres.
- The Planning and Management of Recreation Facilities, NSW Department of Sport, Recreation & Racing, 1990. Establishing Feasibility: (a) Market Analysis (b) The Draft Management Plan (c) Preliminary Design Development.
- Pool Heating Implications - The Total Picture, Heat Pump Seminar Sponsored by Electricity Technology Centre, 1989/1990
- Interscan: Antenna Implementation - Structural Aspects, IREE International Electronics Convention, 1975.