



sellick
consultants



CHRIS BUCHANAN

Managing Director – Structural Engineer

Chris joined the team at Sellick Consultants in 2006 as a Full-Time Junior Draftsperson where he progressed to Senior Structural Draftsperson, and then Cadet Engineer after completing his Bachelor of Civil Engineering with Honors at University of Wollongong. During his time, Chris became a manager of the Residential and Industrial Sectors and is now a proud co-director of Sellick Consultants.

Qualifications

Bachelor of Engineering (Civil) with Honours,
University of Wollongong.

Diploma of Civil Engineering (Dist), NSW Tafe,
Wollongong.

Education

2008 – 2009 Wollongong Tafe, NSW.

2010 – 2013 University of Wollongong

Registrations

Member, Institute of Engineers Australia

National Engineers Register
(4038840–Structural, Civil)

Registered Professional Engineer of QLD, NSW & VIC

Design Practitioner NSW

Work Experience

Throughout Chris's employment as a structural engineer he has gained extensive experience in the field of structural engineering. Chris has a wide range of design skills which includes all stages of structural design ranging from conceptual design through to detailed design of residential, commercial and industrial structures. During design Chris draws on experience in varied design strategies for analysis, from first principles and product specific tools right through to high end Finite Element Analysis software, such as Strand7, RAPT, Ram Concept and SpaceGass. Chris has experience in all types of construction techniques including but not limited to timber design, structural steel, post tensioned and traditional reinforced concrete. Chris designs structures incorporating systems including lightweight steel framing, tilt- up and precast concrete panels, Ultrafloor, ECO Block, Glulam timber and steel/concrete composite flooring.



Chris has also completed industry leading design innovations by working with carbon fibre structures to provide unique structural elements. Chris works in the capacity of a sole designer and project manager or in a supporting role as part of a design team.

Chris has a strong background in residential design where his experience ranges from design of single and multi-level dwellings ranging from 'affordable housing' right through 'top end' architecturally designed homes with a build costs in excess of \$6.0m. Chris is not only able to provide cost efficient solutions where required, but he is also able to work with Architects and interior designers to provide quality feature designs and details.

Chris' Industrial design experience has included the design of many warehouse developments in the ACT region from single occupancy buildings up to developments in excess of 4000 square meters. Projects in this sector have included storage, bulky goods retail buildings and specific use Defence contractor facilities.

Chris has lead the structural design of major data storage facilities and government contractor facilities in the ACT, NSW and Victoria regions. This work has been carried out to optimise mechanical and electrical engineering requirements while ensuring maximum rentable floor space for the developer. While meeting the local building codes and standards Chris has also worked to deliver compliance with international data centre standards.

In addition to the above areas, Chris has been involved in work on educational facilities, sporting clubs and aged care facilities as well as preparation of dilapidation, expert witness and insurance claim reports. As part of his employment and education, Chris has been required to be familiar with various governing documents including the current BCA/NCC and relevant Australian Standards.



Specialty Fasteners

FOR MORE INFORMATION CONTACT SELICK CONSULTANTS

p (02) 6201 0200 email: chris@sellickconsultants.com.au

structural civil hydraulic engineers