



Aaron Hazelton Director

Principal Structural Engineer

Phone: (02) 6285 1022

Fax: (02) 6285 2618

Email: aaron.hazelton@indesco.com.au

Web: www.indesco.com.au

Qualifications

Bachelor of Engineering with Honours

Bachelor of Science

Membership and Affiliations

MIEAust - Membership Institute of Engineers Structural College

CPEng - Chartered Professional Engineer - Structural

NPER - National Professional Engineering Register - Structural

RPEQ - Registered Professional Engineer Queensland - Structural

Concrete Institute of Australia - Committee Member

Professional Experience

Specialising in Structural Engineering

Principal Structural Engineer

Aaron is a Chartered Professional Engineer with specialist expertise in structural analysis and design.

Aaron has a strong reputation and a record of accomplishment in providing comprehensible constructible solutions in all areas of structural design and assessment with innovative solutions to support our clients' vision.

At Indesco, Aaron offers the ability to provide a cost effective well documented design in both 2D and 3D. This is achieved by working closely with clients and associates. By engaging in advanced analysis and research, superior designs that comply with Australian and European codes and standards are then shaped.

Indesco is motivated to apply innovative principles and develop buildable and cost effective design solutions for clients as a result of our high value engineering standards.

Key areas of expertise

- Post Tension Design
- Steel Framed Structures
- Concrete Structures
- Water Retaining Structures
- Seismic and Wind Analysis of Tall Structures
- Feasibility Studies
- Forensic Investigations
- Precast Concrete

Key Projects

Structural Projects

Belconnen

This project consisted of 300+ units over three towers, up to 27 storeys.

As the building is only 16 metres wide the governing design was the serviceability performance from wind loading (day to day swaying of the building). To overcome this 250 thick concrete coupled shear walls were used as party walls to resist these forces.



Trilogy Woden

This development consisted of 3 tower buildings over a common podium with a 20m swimming pool. The structural system consisted of flat plate post tension slabs, concrete columns, selected precast walls and central lift formed walls these were used for the lateral stability of the building.



Southquay 1

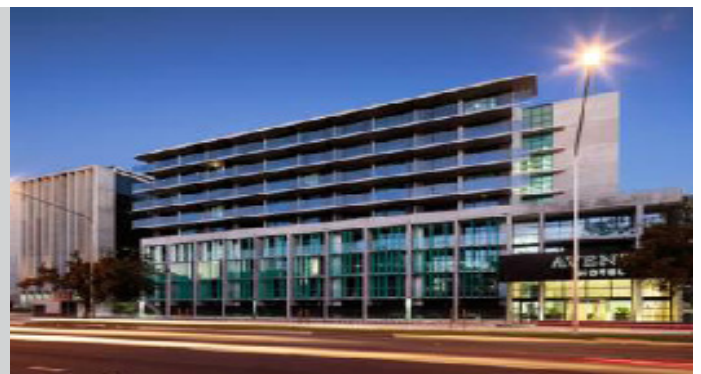
The development consisted of two basements with up to 300 units. The structure consisted of a post tension slab spanning between load bearing precast facade to internal columns. Due to the large scale of the development, feasibility studies were completed early on, with a high level of coordination with other consultants. Coordination occurred pre DA to ensure that the end product was not only cost effective but exceeded structural performance of the Australian standards to meet the client's brief.



Northbourne Hotel

This development consisted of 2 x 10 storey hotel blocks over three basement levels.

The structural system consisted of post tension lower basement levels and transfer slab podium. Upper levels were conventionally formed using reinforced concrete. In addition external load bearing precast facade and internal un-reinforced Dintel walls were incorporated. It also required underpinning of the adjacent 8 storey, 2 basement structures.



University of Canberra student accommodation block

The development consisted of a 417 bed, 8 storey development. The structural system consisted of post tension slabs spanning between internal columns and load bearing precast facade.



Eclipse Bruce

The project consisted of a 6 x 3-5 storey building over large water tight podium. (220 Units)

The structure consisted of a post tension transfer slab 10,000 m² with conventionally reinforced upper levels on load bearing un-reinforced Dintel walls.



217 Northbourne Avenue

The project consists of approximately 114 units and 250+ carparks. The building is 9 storeys above ground and 2 storeys below ground. The project was unique as the top 4 storeys span over an existing building which will be maintained. This led to a span of 26m.

Early structural concepts and feasibility were required to ensure the project was viable.



Career History

2013 - Present

Company: Indesco Pty Ltd

Position: Director

2005 – 2013

Company: Sellick Consultants

Position: Senior Structural Engineer