

# Brad WOOLLEY

30 Concordia Way  
Rockingham, WA  
(H) 08 95293310  
(M) 0406 486686

Email: [bradw@alloragroup.com.au](mailto:bradw@alloragroup.com.au)



## PROFESSIONAL GOAL

To secure a position in a progressive structural engineering company in which I can continue to advance both professionally and personally.

## EDUCATION

- 2008**                    **Microstation Structural training (2d & 3d)**  
Aecom  
Perth, WA, Australia
- 2007**                    **Revit Structure Training (Autodesk 3d package)**  
Hyder Consulting  
Southport, QLD, Australia
- 1998**                    **Computer Aided Drafting (AutoCAD & Microstation)**  
South West Institute of Tafe  
Portland, VIC, Australia
- 1997 - 1999**           **Certificate in Engineering**  
South West Institute of Tafe  
Portland, VIC, Australia

## TECHNICAL SKILLS

- Bentley Microstation V8 & XM (2d & 3d)
- AutoCAD (2d & 3d)
- Bentley Projectwise V8i
- REVIT Structure 3d package
- Space Gass (limited knowledge for use of design review)
- Microsoft Office Applications

## PROFESSIONAL SKILLS

Adaptable and flexible to change.      Highly motivated and enthusiastic.  
Take pride in my work.

## INTERESTS

Golf, tennis and snowboarding.

## REFEREES

Steven Ash (Structural Engineering Manager)	0415 216 804
Craig Griffiths (Lead Structural Engineer)	0448 379 755
Paul Griffin (Lead Structural Engineer)	0420 448 890

## EMPLOYMENT HISTORY

### Jun 2013 – Current      **AMEC Australia Pty Ltd (Perth, WA)**

#### **Roy Hill Iron Ore Project Senior Structural Designer**

- *Roy Hill Iron Ore Project – Pilbara, WA*  
Lead/Senior Structural Designer on the proposed 55mtpa iron ore mine for Roy Hill Holdings (Via Samsung C&T). Project consists of mine, port landside & wharf packages for conveyor & transfer structure systems (42 conveyors, 18 transfer structures, crushing, screening & scrubbing buildings & car dumper).

### Nov 2007 – Jun 2013      **AECOM Australia Pty Ltd (Perth, WA)**

#### **FMG Solomon Iron Ore Processing Facilities Lead Structural Designer**

- *FMG Solomon Iron Ore Project – Pilbara, WA*  
Lead Structural Designer finalizing design drawings, models & responding to technical queries from site.

#### **Roy Hill Iron Ore Project Lead Structural Designer**

- *Roy Hill Iron Ore Project – Pilbara, WA*  
Lead Structural Designer on the proposed 55mtpa iron ore mine for Roy Hill Holdings (Via Posco & STX JV). Project consists of mine, port landside & wharf packages for conveyor & transfer structure systems (42 conveyors, 18 transfer structures & car dumper).

#### **West Pilbara Iron Ore Project (API) Lead Structural Designer**

- *West Pilbara Iron Ore Project (API) – Pilbara, WA*  
Lead Structural Designer. Project consists of train unloader, port stockyard transfer stations & conveyor systems & wharf conveyors out to shiploader.

#### **Mount Gibson Mining Rail Unloader Lead Structural Designer**

- *Mount Gibson Mining Rail Unloader Upgrade – Geraldton Port, WA*  
Lead Structural Designer on the Rail Unloader Upgrade. Project consists of 3 transfer towers, 4 conveyor strings & underground tunnel connection to an existing rail unloader vault. The project interfaces with existing Karara & GPA infrastructure.

#### **Oakajee Port & Rail Lead Structural Designer (BFS Phase)**

- *Oakajee Port & Rail project – Geraldton, WA*  
Lead Structural Designer working on the BFS stage of the proposed new port & rail for OPR. Tasks included preparation/overseeing of drawings & the production of concept designs, preparation of material take-offs (MTO's) for the estimating team & in depth reviewing of the estimate & quantities.

## EMPLOYMENT HISTORY (Continued)

**Nov 2007 – Jun 2013    AECOM Australia Pty Ltd (Perth, WA)**

### **Chelopech Copper/Gold Underground Mine Senior Structural Designer**

- *Chelopech underground mine, Bulgaria*  
Lead Structural Designer working on the underground plant & crusher. Tasks include modeling of the steelwork platforms & overhead travelling crane, as well as the associated drawing productions/extractions.

### **Karara Iron Ore Project Senior Structural Designer**

- *KIOP, WA*  
Senior Structural Designer working on the new mine & Port. Tasks include modeling of transfer stations, DWT & electrical platforms, as well as the associated drawing productions/extractions.

### **Oakajee Port & Rail Lead Structural Designer (B & E Phase)**

- *Oakajee Port & Rail project – Geraldton, WA*  
Lead Structural Designer working on the B&E stage of the proposed new port & rail for OPR. Tasks included preparation/overseeing of drawings & the production of concept designs, preparation of material take-offs (MTO's) for the estimating team & in depth reviewing of the estimate & quantities.

### **Shark Bay Resources Senior Structural Designer**

- *Useless Loop port upgrade – Shark Bay Resources, WA*  
Senior Structural Designer working on the Port & conveyor upgrade.

### **Sino Iron Project Senior Structural Designer**

- *Sino Iron Project – Citic Pacific Mining Management, Cape Preston, WA*  
Senior Structural Designer working on the Desalination plant & site infrastructure for the Cape Preston Iron ore mine.

**Mar 2006 – Nov 2007    Hyder Consulting (Gold Coast, Australia)**

### **Lead Structural CAD Technician**

- *High-Rise Development*  
Lead Structural Designer in charge of documentation of drawings for tender and construction of various high-rise projects, from foundations to roof framing, including concrete, steel and timber construction, such as:
  - *Shams Tower 1, Abu Dhabi*  
86 storey Commercial & Residential tower with 7 storey spire structure above & 3 Basement levels.
  - *Dolphin Arcade redevelopment (Design/Development stage), Gold Coast*  
Twin Towers (57 & 33 Storey) with 6 Basement levels built around an existing arcade. Modelled in 3d using REVIT Structure 2008 & exported to AutoCAD 2008 for finalization.

## EMPLOYMENT HISTORY (Continued)

### Mar 2004 – Feb 2006 Walsh Associates (London, UK)

#### Senior Structural CAD Technician

- *Multi Storey Development*  
Documentation of drawings for tender and construction of various high-rise projects, from foundations to roof framing, including concrete, steel and timber construction, such as:
  - *New Street Square, London*  
Senior Technician in charge of a 4 building multi-storey residential development in central London, comprising of 18, 13, 12 & 6 storey structures, including collaboration of drawings via 4 projects extranet site.
  - *Mast Quay, London*  
Senior Technician in charge of 2 building multi-storey residential development & marina in central London, comprising of 11 & 12 storey structures along the Thames riverfront.
  - *Greenford & Acton High Schools*  
Senior Technician in charge of multi-storey Government funded school projects in Greater London.

### Mar 2002 – Jan 2004 Weathered Howe Engineers (Gold Coast, Australia)

#### Structural CAD Technician

- *Precast Construction*  
Experience in documentation of precast tilt-up wall panels, floor panels, kerbs and beams associated with factories, high-rise developments and bridges.
- *Domestic Residential Construction*  
Extensive experience in documentation of low and medium rise residential.
- *High-Rise Development*  
Documentation of drawings for tender and construction of various high-rise projects, from foundations to roof framing, including concrete, steel and timber construction, such as:
  - *Pinnacle Tower, Surfers Paradise, Gold Coast*  
32 storey residential tower and marina Development.
  - *Nexus Towers, Southport, Gold Coast*  
Twin towers (22 and 28 storey) consisting of 2 basement levels, residential, commercial and retail premises.
  - *Lumiere Tower, Southport, Gold Coast*  
22 Storey Broadwater residential Development with Luminated roof panels.
  - *Circle on Cavill, Surfers Paradise, Gold Coast*  
Twin towers (50 and 70 storey) consisting of 4 basement levels, residential, commercial and retail premises.

## **EMPLOYMENT HISTORY (Continued)**

**Mar 2000 – Mar 2002 Westera Partners Engineers (Gold Coast, Australia)**

**Structural CAD Technician**

Experience in precast and low-rise residential and commercial construction, from foundations to roof framing, including concrete, steel and timber construction.

**Jan 1995 – Jan 2000 L.A. Walkers Engineering (Hamilton, Australia)**

**Completed Apprenticeship in Engineering (Fabrication & Shop Detailing)**

Experience in fabrication, design and drafting of Steelwork, including:

- Portal frames
- Trusses
- Heavy construction equipment
- Miscellaneous machinery components