

DOUGLAS J. DOW

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Experience

Chicago Bridge & Iron (CB&I)

6/2010 - Present

Construction Supervisor / Field Engineer – Steel Plate Structures

6/2012 - Present

- Supervise up to 5 concurrent multimillion dollar vessel construction projects throughout the U.S. Midwest region
- Prepare job plans for field superintendents (safety plans, erection methods, lift plans, drawings, specifications)
- Negotiate site services subcontracts for crane lifts and various testing and nondestructive examinations
- Work directly with field construction crews, engineering, procurement and project management to resolve various challenges as they arise
- Supervised the construction of over thirty vessels built to AWWA D100, API 620 and ASME Sec. VIII standards
- Planned and executed the Air Raise of seven 130' diameter storage tank roofs weighing in excess of 200 Tons each

Design Engineer – Pressure Vessels and Special Structures

9/2011 - 6/2012

- Collaborated with various engineering teams on fire protection spray system design, pressure vessel flange design, foundation loading calculations and preparation of ASME Code required data sheets
- Created detail drawings utilizing MicroStation V8i software
- Studied and implemented requirements of ASME Section VIII Boiler & Pressure Vessel Codes

Subcontracts Engineer – Petrotrin FCCU Upgrade Project, Trinidad & Tobago

10/2010 - 9/2011

- Onsite liaison between subcontractors of various disciplines, CB&I and Client
- Developed detailed scopes of work, prepared requests for quotations, analyzed subcontractor proposals to determine technical and commercial bid validity and negotiated price and terms and conditions
- Monitored work in the field and answered all subcontract technical and commercial requests for information
- Implemented corporate risk management and reporting policies
- Managed numerous scope changes and contract claims
- Worked closely with project controls to monitor forecasted cost and schedule completion
- Administered over US\$30MM in subcontracts during a 6 month FCCU Shutdown

Pipe Stress Engineer - Kearl Oil Sands Project

6/2010 - 10/2010

- Modeled and analyzed proposed piping designs for the purpose of accepting the design or recommending changes as necessary to improve the system design
- Utilized various computer programs in the analysis process (COADE Caesar 5.1, Paulin Nozzle Pro 8.0, Microsoft Access, Microsoft Excel)
- Studied and implemented requirements of ASME B31.3, ASME B31.11, API 610 and API 650

Rolf Jensen & Associates

Chicago, IL

Consulting Engineer Intern

5/2009 - 8/2009

- Assisted with site surveys and preparations of reports of findings for clients
- Researched building codes, NFPA codes and other technical materials to find necessary information

Midwest Generation, LLC

Chicago, IL

Station Trainee / Intern

5/2008 - 8/2008

- Updated and verified accuracy of mechanical systems drawings for planning and safety purposes
- Analyzed power plant energy use and energy generation for the purpose of reducing utility cost

Automotion Systems Group

Oak Lawn, IL

Mechanical Engineer Intern

5/2007 - 8/2007

- Designed and modified conveyor systems in a team atmosphere utilizing AutoCAD software
- Calculated various parameters to ensure safe and reliable equipment operation upon installation

References Available Upon Request