

DANIEL TSO

Construction Project Manager | Superintendent & BIM Coordinator

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 danielts.github.io/portfolio

PROFESSIONAL SUMMARY

Seasoned construction professional with **33 years of industry experience** combining hands-on trades, engineering design, field execution, and project management expertise. Began learning construction trades—welding, rigging, ironworking, heavy equipment operation—working summers with family construction business while pursuing education. Progressed through engineering design career at design firms (CADD Designer to Project Designer), then **11 years with Bechtel Corporation** advancing from Field Engineer to Construction Manager. This unique background—understanding trades, design intent, and field constructability—enables exceptional project coordination and problem-solving. Currently serving as **QA BIM Coordinator** for Dilling Group Inc on mission-critical Google Datacenter project, demonstrating successful integration of design knowledge, field expertise, and modern BIM coordination. **Actively integrating AI technology into construction workflows**—leveraging AI for email automation, proposal writing, RFI generation, and document summarization. Completed advanced training in AI Agent Development, AI Engineering, and Prompt Engineering to stay current with emerging technologies transforming the construction industry. Proven track record at Bechtel managing large-scale projects, directing superintendent teams, and coordinating between engineering, field execution, and project controls. Known for stepping up in critical moments, adapting quickly to evolving demands, and delivering results safely, on time, and within scope. Formally educated in construction management (BS, Arizona State University) with extensive experience in CAD/BIM software, digital project management tools (ProCore, SAP, Microsoft Project), and survey operations. Skilled at bridging design, field execution, and project planning.

PROFESSIONAL EXPERIENCE

QA BIM Coordinator

August 2024 – Present

Dilling Group Inc | Council Bluffs, IA**Project:** Google Datacenter – Mission Critical Construction

- Coordinate BIM quality assurance for mission-critical datacenter infrastructure across all trades
- Ensure clash detection and model accuracy supporting seamless field execution
- Collaborate with engineering teams on digital coordination workflows and as-built documentation
- Demonstrate successful transition from field leadership to technical coordination role

Mechanical Superintendent

August 2024 – April 2025

Robinson Construction | Nestle Purina Dog Food Plant, Batavia, OH

- Led multidisciplinary crew of 18 installing process piping, hoppers, bins, and airlocks
- Maintained strict adherence to safety protocols, achieving flawless safety record
- Used ProCore for tracking progress and reporting to management
- **Completed deliverables three weeks ahead of schedule** through efficient planning and execution

Pipe Superintendent

January 2024 – August 2024

Western Industrial | Freeport-McMoran Copper & Gold Acid Plant, Miami, AZ

- Directed 21-person crew on major acid plant expansion project
- Managed scheduling via Microsoft Project, material procurement, and daily coordination
- Resolved design conflicts through well-documented RFIs to maintain project flow
- Ensured compliance with stringent environmental and safety regulations

Temporary Maintenance Superintendent

May 2023 – January 2024

ASARCO LLC | Kearny, AZ

- **Crisis Management:** Oversaw contractor maintenance during union strike across mill, crusher, conveying systems, acid plant, and tailings
- Used SAP to manage work orders and material procurement needs
- Directed five contractor teams ensuring continuous mine operation and production continuity

Crafts Superintendent

November 2022 – May 2023

QEIS Inc | LUCID Motors Phase 2 Production Facility, Casa Grande, AZ

- Promoted from Foreman to General Foreman, then to Crafts Superintendent during project
- Managed 42 tradesmen constructing structural supports for three production lines
- Met exacting QA/QC requirements with zero tolerance for error
- Coordinated with manufacturing engineering on precision installations

Superintendent

August 2021 – November 2022

GMS Mining | Mission Mine Mill Northside Expansion, Sahuarita, AZ

- Stepped in after superintendent dismissal to lead \$60M expansion project
- Managed 110 personnel during demolition and installation phases
- Stabilized project timeline and budget after significant delays
- Completed project before new superintendent was hired

Superintendent

February 2021 – August 2021

Precision Industrial Contractors | ESNOVA Prototype Racking System, Hamilton, OH

- Managed 45-member crew on confidential robotics-enabled racking system
- Worked in fully paperless environment using advanced software coordination tools
- Coordinated closely with Spanish engineers maintaining strict confidentiality protocols
- Delivered innovative warehouse automation infrastructure on time

**Construction Manager | Project Superintendent | Craft Superintendent | 2009 –
Field Engineer 2020**

Bechtel Corporation | Various Locations, United States

- **Progressed through four leadership levels over 11 years** at world's leading engineering and construction company
- **Construction Manager:** Directed overall field construction operations, managed superintendent teams, coordinated with engineering and project controls, ensured project delivery on schedule and budget
- **Project Superintendent:** Oversaw multiple crafts and trades, managed field execution for large-scale industrial and infrastructure projects, coordinated with project management and client stakeholders
- **Craft Superintendent:** Led specialized trade crews, ensured quality standards and safety compliance, managed day-to-day field operations and productivity
- **Field Engineer:** Supported construction activities with technical expertise, managed RFIs and submittals, coordinated between design and field teams
- Worked on diverse projects including refineries, power plants, LNG facilities, mining operations, and heavy industrial construction
- Developed comprehensive project management skills combining field execution with office coordination

Ironworker 2007 – 2009

Local 433 Ironworker Union Sub Hall | Las Vegas, NV

- Returned to field work during economic downturn, maintaining trade skills and field expertise
- Structural steel erection, reinforcing steel placement, and rigging operations
- This field experience proved invaluable when transitioning to Bechtel Field Engineer role

Project Designer | CADD Designer 2004 – 2007

Dibbling Engineering | Phoenix, AZ

- **Promoted from CADD Designer to Project Designer** after two years in Infrastructure Department
- Designed infrastructure projects including water, sewer, drainage, and transportation systems
- Created construction documents, technical drawings, and design specifications
- Coordinated with civil engineers, surveyors, and project managers on project delivery
- Developed strong understanding of design intent and constructability

CADD Designer & Survey Technician

1999 – 2004

Stanley Engineers | Phoenix, AZ

- First professional role after earning BS in Construction Management from Arizona State University
- Created CAD drawings for engineering projects and provided survey support services
- Gained foundational experience in engineering design and field surveying over 5 years
- Applied hands-on construction knowledge from family business to engineering design work

Construction Trades - Family Business

1992 – 1998

Family Construction Business | Summers & School Breaks

- Learned construction trades working with father, uncle, and brothers during high school and college
- Gained hands-on experience in welding, rigging, ironworking, and heavy equipment operation
- Developed strong work ethic and comprehensive understanding of field operations
- This foundation informed pursuit of formal education and later career progression

SKILLS & EXPERTISE

Project Management

- Microsoft Project – Scheduling & Planning
- Budget Management (\$60M+ Projects)
- Resource Allocation & Crew Management
- RFI & Change Order Management
- Stakeholder Communication

Technical Coordination

- BIM Coordination & Quality Assurance
- ProCore, SAP, MS Office Suite
- AutoCAD, MicroStation, Bluebeam
- Digital Project Management
- Paperless Environment Operations

Field Leadership

- Crew Management (up to 110 Personnel)
- Union & Non-Union Environments
- Multi-Trade Coordination
- Problem-Solving Under Pressure
- Crisis Management & Turnarounds

Industry Expertise

- Mission Critical / Data Centers
- Mining & Heavy Industrial
- Refineries & Petrochemical
- Manufacturing Facilities
- Power Plants & Energy

AI Integration & Emerging Technology

- AI-Powered Email & Proposal Writing
- Automated RFI Generation & Management
- AI Document Summarization & Analysis
- Agent AI Development & Deployment
- Prompt Engineering for Construction

EDUCATION

Bachelor of Science in Construction Management

Arizona State University, Tempe, AZ

1998

Associate of Applied Science in Construction Management

Phoenix College, Phoenix, AZ

1995

Technical Associate's Degree in Drafting/CAD Technology

High-Tech Institute, Phoenix, AZ

1993

CERTIFICATIONS & TRAINING

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|---|--|
| ✓ AI Engineering & Integration Training | ✓ AI Agent Development Certification |
| ✓ Prompt Engineering for Construction | ✓ AWS D1.1 SMAW & FCAW Certified (3G & 4G) |
| ✓ MSHA Certified - Experienced Miner | ✓ TWIC Card |
| ✓ OSHA 10 Trained | ✓ NCCER Foreman Training |
| ✓ NCCER Ironworker Training | ✓ NCCER Superintendent Training |
| ✓ NCCER Forklift Certification | ✓ Aerial Lift Certified |
| ✓ Confined Space Entry Certified | |

PROFESSIONAL REFERENCES

Brenden Hendrix, Project Manager

Phone: (225) 428-6061

Daniel Betancourt, Senior Superintendent

Phone: (404) 274-4923

Tim Williamson, Owner/Project Manager, Rincon Steel

Phone: (602) 469-0764

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Available for travel nationwide | Open to full-time, contract, and project-based opportunities