Prestressed Concrete Tank Division

The Caldwell Prestressed Concrete Tank (PCT) Division is responsible for the design and construction of our Wire-Wrapped Prestressed Concrete Storage Tanks. The PCT Division Project Team at Caldwell has decades of combined experience in leading the successful design and construction of hundreds of prestressed concrete tanks: reliable products that continue to provide excellent service.

Management Team:

K. Ryan Harvey, PE, SECB
Licensed Professional Engineer - Vice-President

Ryan earned his Bachelor of Science Degree in Civil Engineering, and his Master of Science Degree in Structural Engineering from the University of Tennessee. He has 17 years of experience in Prestressed Concrete Tank design and construction management.

Ryan has designed over 500 tanks ranging from 50,000 to 20 million-gallon capacity. He has managed construction of over 50 Prestressed Concrete Tanks from 50,000 to 10 million gallons, serving as a Construction Superintendent on multiple tank projects. The Prestressed Concrete Tank structures he has designed total more than 1 billion gallons.

Professional
American Water Works Association (AWWA)
- Contributing Author, Standard AWWA D110-13: Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks
- Voting Committee Member AWWA Standards Committee on Concrete Water Tanks, Wire-Wound Prestressed
American Concrete Institute (ACI)
• Voting Member ACI Committee 372 - Tanks Wrapped with Wire or Strand
• Voting Member ACI Committee 350 - Environmental Engineering Concrete Structures
• Voting Member ACI Committee 371 - Elevated Tanks with Concrete Pedestals

Licensure
• Licensed as a Professional Engineer in 16 states

**Brett H. Henning, PE, SE**  
Licensed Structural Engineer - Lead Structural Engineer

Brett earned his Bachelor of Science Degree in Civil Engineering and his Master of Science Degree in Structural Engineering from the University of Florida. He holds licenses in both Civil and Structural Engineering.

Brett has more than seven years of experience in Structural Design, five of them designing 40 Prestressed Concrete Tanks from 100,000 to 5 million-gallon capacity.

Professional
• Developed and wrote design software for Caldwell’s Prestressed Concrete Tanks
• Member ACI Committee 372 - Tanks Wrapped with Wire or Strand

Licensure
• Licensed as a Professional Engineer in 5 states
• Licensed as a Structural Engineer in Illinois
William R. Cooksey, PE  
Licensed Professional Engineer - Project Manager

Will has a Bachelor of Science in Civil Engineering from Auburn University. A Licensed Professional Engineer, William has over nine years of experience in Geotechnical Analysis and Design, and over five years of Project and Construction Management experience.

An expert in Shallow and Deep Foundations, William has designed foundations for over 30 liquid containing structures. He has managed and constructed multiple projects up to $30 million.

Licensure
- Licensed as a Professional Engineer in Alabama

Timothy A. Ross  
Field Construction Superintendent

Tim has over 26 years of experience in the construction industry, with over eight years supervising Prestressed Concrete Tank projects. He has constructed over 15 Prestressed Concrete Tanks ranging from 250,000 to 5 million gallons.

Jose L. Alvarez  
Field Construction Foreman

Jose has over 20 years of progressively responsible experience in the construction industry, with 13 years in Prestressed Concrete Tank construction, beginning as a laborer and advancing to supervisory positions. He was a laborer on over 50 Prestressed Concrete Tanks ranging from 200,000 to 10 million gallon capacity, and was a foreman on 25 Prestressed Concrete Tank projects from 200,000 to 5 million gallons.
**Caldwell PCT Team ‘Extended Bench’**

To meet project demands during workload fluctuations, the PCT Management Team has trained and developed an ‘Extended Bench’ of five highly experienced Caldwell employees from the Civil Construction Division. All have worked in the division at least six years, most more than 10 years.