

STAN R. CALDWELL, P.E.

stancaldwellpe@gmail.com

214-724-7101

www.stancaldwellpe.com

Education

University of Wisconsin at Madison:

Bachelor of Science in Civil Engineering	1970
Master of Science in Civil Engineering (Structures)	1971

Licenses & Certifications

Texas Board of Professional Engineers:

Licensed Professional Engineer - Structural, No. 39887	1976/2024
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Structural Engineering Certification Board:

Certified in the Practice of Structural Engineering, No. 2287	2008/2022
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Awards & Honors

Structural Engineers Association of Texas:

Wilbur C. Schoeller Award, <i>"In Recognition of Outstanding Contributions to the Structural Engineering Profession"</i>	2011
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Elected to the Grade of Honorary Member	2009
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Structural Engineering Institute:

W. Gene Corley Award, <i>"In Recognition of Efforts in Support of Advancing and Distinguishing Structural Engineering as a Profession including Licensure for Structural Engineers"</i>	2015
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President's Award, <i>"In Recognition of Exemplary Leadership and Contributions to the Success of SEI"</i>	2014
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Elected to the Grade of Fellow	2012
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Architectural Engineering Institute:

Elected to the Grade of Fellow	2001
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American Society of Civil Engineers:

Texas Section Lifetime Service Award, <i>"In Recognition of Enduring Service and Leadership to ASCE"</i>	2013
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Elected to the Grade of Fellow	1999
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American Council of Engineering Companies - Texas:

Gold Medal Winner, Engineering Excellence, <i>"Ponte Avenue Bridge"</i>	2012
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Experience

Stan R. Caldwell, P.E., 2013/Present:

I currently provide structural engineering consulting services as a sole-proprietor. Much of my focus is on construction litigation, working as a consultant to attorneys and insurance companies, often as their sole expert. My expert testimony has involved cases with claims ranging from \$500,000 to \$55,000,000. I offer 53 years of experience in the analysis, design, and management of more than 800 projects, including buildings, bridges, and specialty structures. The buildings range from 1,000 sf to 1,000,000 sf, and the bridges range from 100 lf to 22,000 lf. The specialty structures include retaining walls, spillways, levees, large underground vaults, wharves, offshore oil platforms, pipelines, and LNG tanks. My experience encompasses all types of steel, concrete, masonry, and timber construction, as well as all common foundation systems.

Halff Associates, Inc., 1988/2012:

I joined Halff as a principal stockholder, director, vice president, and manager of its structures group. For nearly 25 years, I was responsible for all of Halff's structural and architectural engineering services. This included developing new service areas, building a strong team of engineers and technicians, and overseeing their work. In addition, I provided expert testimony on construction litigation. Under my supervision, the structures group grew into a unique 16-person team where everyone became adept at designing buildings, bridges, and hydraulic structures. The group completed more than 500 projects, including multi-story office buildings, government buildings, large retail and industrial buildings, major highway bridges and interchanges, and a wide range of hydraulic structures.

Intrex Associates, Inc., 1982/1988:

I founded Intrex as a traditional structural engineering design firm and built it into one of the premier firms in Dallas. My responsibilities covered all aspects of the firm, from securing new clients and projects, to recruiting and managing an outstanding staff, to assuring that the business remained profitable. On occasion, I also provided expert testimony on construction litigation. At the time Intrex merged with Halff, it was an 8-person firm that had completed more than 200 projects. These projects included multi-story office buildings, schools, prisons, jails, hotels, theaters, churches, regional shopping malls, neighborhood shopping centers, retail stores, manufacturing plants, and distribution centers.

Impell Corporation, 1978/1981:

I joined Impell as the manager of its new subsidiary in Dallas: Keith, Feibusch Associates, Engineers. This was Impell's first branch office and its first venture into the oil and gas industry. My role included developing new business, recruiting excellent engineers, directing their work, and managing the office. Under my supervision, KFAE grew to employ 20 people. Notable projects included: evaluation of the feasibility of using vibration measurements to determine the structural integrity of offshore platforms, stress analysis of high pressure piping systems on offshore drilling rigs, evaluation of the structural integrity and hydrostatic stability of mobile offshore drilling units, and all-source construction risk analysis and project management consulting for a proposed gas pipeline across Alaska.

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Atlantic Richfield Company, 1971/1978:

I joined ARCO as a specialist and provided structural engineering services for its oil and gas developments throughout the western United States and Canada. From 1973 to 1976, my responsibilities included overseeing a program of more than \$10 million in targeted structural, seismic, and geotechnical research and supervising a small staff of engineers who evaluated the feasibility and cost of constructing and operating permanent facilities in the uniquely harsh offshore environment of the Gulf of Alaska. From 1976 to 1978, my role expanded to include supervising a multi-discipline team of engineers, planners, estimators, and consultants who designed more than \$200 million of buildings, treatment plants, roads, bridges, and pipelines to support the development of the Kuparuk River oilfield on the Alaskan arctic coast.

Representative Projects

Expert Witness Testimony:

- Expert testimony for the defense of a structural engineering firm in a lawsuit related to floor heaving at a luxury hotel in Dallas.
- Expert testimony in a lawsuit involving structural steel erection for the City Hall in Coppell. This testimony included a jury trial.
- Expert testimony for the plaintiff in a multi-million dollar lawsuit related to the concrete roof of a large above-ground water storage tank in Carrollton. Two workers were severely injured when the roof collapsed during construction.
- Expert testimony for a Dallas condominium homeowners association in a mediation proceeding with a large national contractor. The issues involved a multitude of building code violations, poor workmanship, and safety hazards.
- Expert testimony for another Dallas condominium homeowners association in a mediation proceeding with another contractor. Once again, the issues involved a multitude of building code violations, poor workmanship, and safety hazards.
- Expert testimony for the defense of a civil engineering firm in a multi-million dollar lawsuit related to a trench collapse, which caused two deaths in Houston.
- Expert testimony for the defense of another civil engineering firm in a multi-million dollar lawsuit related to another trench collapse, which also caused two deaths in Houston.
- Expert testimony based on data collection and analysis for the defense of a claim related to structural damage to a residence near Tatum, alleged to be due to vibrations caused by a nearby railroad.
- Expert testimony for the defense of a structural engineering firm in a lawsuit related to the failure of a gabion retaining wall along a creek in Arlington.

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- Expert testimony for the plaintiff in a lawsuit related to the collapse of a warehouse roof in Farmers Branch. A total of 22 structural bays came down, amounting to nearly 40,000 sf of roof area. Property damage to the building and its contents was extensive.
- Expert testimony for the defense of a project management firm in a lawsuit related to a personnel accident involving a ladder and landing at a power plant in East Texas. This testimony included several hours in front of a jury.
- Expert testimony for the defense of a bolt manufacturer in a lawsuit related to the collapse of an anchored sheet pile bulkhead at a terminal on the Houston Ship Channel.
- Expert testimony for the defense of an electric utility company in a lawsuit related to the flooding and subsequent long-term closure of a high-rise office building in downtown Dallas.
- Expert testimony for the defense of the United States Bureau of Prisons in a lawsuit related to foundation movement and structural distress in a 3-story precast concrete building at the Federal Correctional Institution in Fort Worth. This testimony included a trial in Washington, DC.
- Expert testimony for the defense of a structural engineering firm in a lawsuit related to soil movement and distress in a field house and tennis courts at a high school in Alvarado.
- Expert testimony for the defense of a structural engineering firm in a lawsuit related to the partial roof collapse of two large concrete tiltwall and open-web steel joist industrial buildings in Grapevine.
- Expert testimony for the Texas Board of Architectural Examiners in an administrative action against a registered architect related to the collapse of a newly constructed wood frame restaurant in Webster.
- Expert testimony for the defense of a specialty contractor in a lawsuit related to multiple issues at a performing arts center in Gainesville.
- Expert testimony for the defense of an architect/engineer design team following the collapse of a 7-level precast concrete parking garage under construction in San Antonio.
- Expert testimony for the defense of a specialty contractor in a lawsuit related to multiple issues at a luxury condominium tower and parking garage in Tyler.
- Expert testimony for the defense of a structural engineering firm in a lawsuit related to the partial collapse of the second floor of a religious education building in Plano.
- Expert testimony for the defense of a structural engineering firm in a lawsuit related to multiple issues at a college dormitory and parking garage in Huntsville.

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- Expert testimony for the defense of a structural engineering firm following the failure of an underground vault and damage to an adjacent industrial building in Fort Worth.
- Expert testimony for the defense of an engineering firm in a lawsuit related to multiple issues at a luxury condominium amenities deck above a parking garage in Fort Worth.
- Expert testimony for the defense of a design/build steel fabricator in a lawsuit related to the partial roof collapse of a large distribution center in Shreveport, LA.
- Expert testimony for the Texas Board of Professional Engineers in an administrative action against a licensed professional engineer related to extensive repairs at a newly constructed football stadium in Allen.
- Expert testimony for the defense of a concrete contractor in a dispute related to multiple issues at a hotel and conference center in Carrollton.
- Expert testimony for the plaintiff in a dispute involving the foundation of a partially completed religious center in Irving.
- Expert testimony for the defense of two structural engineering firms in a lawsuit related to observed damage at an elementary school and a middle school in Grand Prairie.
- Expert testimony for the defense of a structural and civil engineering firm in a lawsuit related to multiple issues at a student residential commons and parking garage at a university in Dallas.
- Expert testimony for the defense of a structural engineering firm in a lawsuit related to differential foundation movement at a public healthcare facility in Irving.
- Expert testimony for the defense of a large, multi-discipline engineering firm in a lawsuit related to various issues at the elevated guideway structure for the automated people mover system at DFW International Airport.
- Expert testimony for the defense of a structural engineering firm in a lawsuit related to multiple issues at a large apartment complex in Austin.
- Expert testimony for the defense of a concrete contractor in a lawsuit related to multiple issues at an upscale townhome project in Arlington.
- Expert testimony for the defense of an architect/engineer design team in a lawsuit related to a wood frame roof at a fire station in Cedar Park.
- Expert testimony for the defense of a structural engineering firm in a dispute related to the concrete walls and floors at a fine arts center in Plano.
- Expert testimony for the defense of two roadway design firms in an international arbitration proceeding related to multiple issues at a toll road in Central Texas.

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Building Design - Institutional and Commercial:

- Tri-Cities Police Academy, Plano - Structural Engineering Principal for a 60,000 sf steel frame police training campus, including; classrooms, a gymnasium with a barrel-vaulted roof, and an enclosed pistol range.
- Farmers Branch Fire Station No. 1, Farmers Branch - Structural Engineering Principal for a 14,000 sf, single-story fire station building constructed of CMU, light gauge steel, and hot rolled steel, with a structurally-isolated floor system.
- Cotton Bowl Stadium, Dallas - Structural and Architectural Engineering Principal for a stadium renovation for the 1994 World Cup. The scope included a 10-story post-tensioned concrete addition at the main entrance, renovation of the locker rooms, reconstruction of the football field for soccer, and construction of tied-back retaining walls to accommodate the wider field.
- Main Post Office, Plano - Structural Engineering Principal for a 33,000 sf postal facility with a lookout gallery.
- Latino Cultural Center, Dallas - Structural Engineering Principal for a 27,000 sf cultural center with a 350-seat theater, an art gallery, multi-purpose classrooms, office areas, and a 70 ft twisting beacon tower. The structural system includes structural steel framing with autoclaved aerated concrete shear walls.
- Federal Correctional Institution Housing Unit, Texarkana - Structural Engineering Principal for a 26,000 sf reinforced concrete rigid frame, 3-story medium security housing unit.
- Federal Correctional Institution Long Term Health Care Facility, Fort Worth - Structural Engineering Principal for a 32,000 sf, 2-story cast-in-place concrete and steel frame prison hospital facility.
- Federal Correctional Institution Detention/Segregation Unit, Fort Worth - Structural Engineering Principal for a 3-story precast concrete and CMU correctional facility with a full basement.
- US Navy, Naval Air Station, Corpus Christi - Structural Engineering Principal for four individual projects; a Child Development Center, a Youth Center, a Gymnasium, and a Marina dock and small boat maintenance facility.
- Morris County Jail and Sheriff's Office, Daingerfield - Structural Engineering Principal for a 20,000 sf masonry and precast concrete plank jail facility.
- Cass County Jail and Sheriff's Office, Linden - Structural Engineering Principal for an 18,000 sf masonry and precast concrete plank jail facility.
- Brookhaven College Student Center, Farmers Branch - Structural Engineering Principal for a 70,000 sf, 2-story steel frame classroom building.

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- Ignacio Zaragoza Elementary School, Dallas - Structural Engineering Principal for a 75,000 sf, 2-story, steel and masonry, courtyard school building.
- Burnet Relief Elementary School, Dallas - Structural Engineering Principal for a 68,000 sf steel frame structure including a 100 ft. clear-span gymnasium.
- Ruben Hinojosa Elementary School, Mercedes - Structural Engineering Principal for a 79,000 sf steel frame structure bearing on reinforced masonry walls.
- Lipan Middle/High School, Lipan - Structural Engineering Principal for a 20,000 sf steel frame classroom addition and a 4,000 sf vocational education building.
- Video Technical Institute, Irving - Structural Engineering Principal for a 33,000 sf, 2-story steel frame classroom building.
- Hope Center, Plano - Structural Engineering Principal for an 183,000 sf, 3-story, cast-in-place, post-tensioned concrete office building and a 70,000 sf, 3-level, cast-in-place, post-tensioned concrete parking garage.
- Southwest Airlines Corporate Headquarters, Love Field Airport, Dallas - Structural Engineering Principal for a 60,000 sf, 3-story, post-tensioned concrete frame, atrium office building expansion.
- Turnpike Commons Office Building, Richardson - Structural Engineering Principal for an 182,000 sf, 3-story office building with composite steel framing and load-bearing concrete tiltwall panels.
- Great Hills Trail Office Building, Austin - Structural Engineering Principal for an 150,000 sf, 3-story, post-tensioned concrete frame, atrium office building.
- Life Investors Office Building, North Richland Hills - Structural Engineering Principal for an 102,000 sf, 5-story, wide-pan concrete joist office building with a full basement.
- Kroger Regional Headquarters Office Building, Irving - Structural Engineering Principal for a 75,000 sf, 3-story, wide-pan concrete joist office building.

Building Design - Industrial:

- DART Service and Inspection Facility, Dallas - Structural Engineering Principal for a major expansion of DART's industrial building complex and rail yard where light rail vehicles are serviced and repaired near Dallas' Fair Park.
- Texas Instruments Facilities - Structural Engineering Principal for more than 50 projects, including buildings, pipe racks, tanks, and exhaust stacks at TI campuses in Dallas, Sherman, Houston, Lewisville, McKinney, and Plano.
- Interceramic, Garland - Structural Engineering Principal for a 250,000 sf ceramic tile factory with rigid structural steel frames and concrete tiltwall panels.

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- Automated People Mover, Maintenance Storage Facility, DFW International Airport - Structural Engineering Principal for an 112,000 sf, steel frame industrial building complex with four light maintenance bays and three heavy maintenance bays for rail vehicles.
- UPS Regional Air Cargo Distribution Facility, DFW International Airport - Structural Engineering Principal for a 9-building, 342,000 sf, steel frame and concrete tiltwall industrial building complex.
- Fitz & Floyd Distribution Center, Fort Worth - Structural Engineering Principal for a 500,000 sf steel frame and concrete tiltwall warehouse.
- Southwest Airlines Maintenance Base, Love Field Airport, Dallas - Structural Engineering Principal for an 131,000 sf expansion of hangars, shops, and offices using steel frame and metal building systems.
- Nestle Distribution Center, DeKalb, Illinois - Structural Engineering Principal for an 825,000 sf warehouse comprised of structural steel rigid frames with insulated precast concrete panels and an adjacent 50,000 sf, 3-story office.
- Nestle Distribution Center, Fort Worth - Structural Engineering Principal for a 525,000 sf warehouse comprised of structural steel rigid frames with concrete tiltwall panels and an adjacent 2-story office.
- MJ Designs Distribution Center, Coppell - Structural Engineering Principal for a 455,000 sf steel frame and concrete tiltwall warehouse.

Building Design - Retail:

- Sunland Park Regional Mall, El Paso - Structural Engineering Principal for a 710,000 sf, 2-story, steel frame regional shopping mall.
- Midway Mall, Sherman/Denison - Structural Engineering Principal for a 542,000 sf, single-story, steel frame regional shopping mall with three large tensioned-fabric atriums.
- Venture Department Stores - Structural Engineering Principal for 50 department stores in six states, all single-story, steel frame construction, ranging in size from 96,000 to 113,000 sf.
- Sears Department Stores - Structural Engineering Principal for 12 department stores in eight states, both 1-story and 2-story, steel frame construction, ranging in size from 67,000 to 160,000 sf.
- Gardena Honda, Gardena, California - Structural Engineering Principal for a 90,000 sf, 5-level, cast-in-place, post-tensioned concrete and CMU parking garage.

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Bridge and Interchange Design:

- Diamond Interchange, Irving - Structural Engineering Principal for a portion of a 5-level interchange of four major urban highways: SH-183, SH-114, Loop 12, and Spur 482. The structural scope of work includes 12 concrete bridges with a total deck area of about 820,000 sf.
- SH-121/IH-35E Interchange, Lewisville - Structural Engineering Principal for a 5-level suburban highway interchange with 4 miles of elevated concrete and steel structure, including 12 bridges with 25 miles of straight and curved bridge beams, and columns more than 100 ft high.
- Vitruvian Park Bridges, Addison - Structural Engineering Principal for three "signature" steel arch bridges in a new urban town center development. The Ponte Avenue Bridge is a single-span, 127 ft, prestressed concrete U-beam structure with cantilevered abutments and steel arches. The Bella Lane Bridge is a 3-span, 141 ft, prestressed concrete box-beam structure with steel arches. The Southern Pedestrian Bridge is a single-span, 150 ft, arched steel truss structure. This fast-track project was designed in only eight weeks and constructed in less than a year.
- SH 161 Design/Build Project, Grand Prairie - Structural Engineering Principal for Bridges 20, 21 & 29 and Direct Connector Ramps 37 & 38. Bridge 29 has staged construction with flared deck edges. The abutments are soldier pier walls. Ramp 37 is a Direct Connector that includes two 2-span steel units.
- Margaret Hunt Hill Bridge, Dallas - Structural Engineering Principal for preliminary planning and design of a twin-structure, 800 ft clear-span steel arch bridge carrying eight lanes of Woodall Rodgers Freeway traffic over the Trinity River.
- Dallas North Tollway Bridges and Overpasses, Denton County - Structural Engineering Principal for two bridges and three overpasses for an 8-lane divided tollway. The project includes complicated geometry, super elevation, transitions, significant bridge scour effects, agency coordination for aesthetic design, and abutment designs for an ultimate 10-lane configuration.
- Westpark Tollway, Fort Bend County - Structural Engineering Principal for four highway bridges, including two on main lanes and two on frontage roads, with prestressed slab beams, Type B beams, flared decks, and prestressed concrete railings.
- Santa Fe Trestle Trail, Dallas - Structural Engineering Principal for a hike and bike trail across the Trinity River floodplain. The project includes more than 1,140 ft of curvilinear bridge structures, including 13 spans of cast-in-place concrete, 2 spans of steel, and the renovation and reuse of an historic railroad trestle.
- East 40th Street/International Parkway Overpass, DFW International Airport - Structural Engineering Principal for a 55 ft wide by 302 ft long, 3-span bridge using precast concrete U-beams on rectangular columns with full-height abutments.

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- International Parkway Bus Ramps, DFW International Airport - Structural Engineering Principal for a 31 ft wide by 460 ft long entrance ramp bridge and a 31 ft wide by 235 ft long exit ramp bridge. Both bridges have a tight 150 ft radius, with curved 3-span continuous, cast-in-place post-tensioned concrete box sections. The entrance ramp also includes a precast concrete U-beam tangent section.
- C-RAC Bridges, DFW International Airport - Structural Engineering Principal for seven bridges ranging in size from 1-span, 50 ft long bridges to 4-span, 280 ft long bridges. All 7 bridges have a special rail, Type A, B, and C beams, inverted tee bent caps, flared deck sections, and full-height abutments.
- US-77/US-83 Braided Ramps, Cameron County - Structural Engineering Principal for two 28 ft wide by 550 and 476 ft long braided ramps. Both ramps have compound reverse curves, two straddle bents, inverted tees and utility piping.
- US-83 Overpasses, Hidalgo County - Structural Engineering Principal for six bridge replacements along US-83 adjacent to the US-281 Interchange. Type IV beams were utilized on five overpasses and prestressed concrete box beams were used on one overpass. The bridges have inverted tee bent caps, rectangular columns, footings, drilled shafts, and soldier pier abutment retaining walls. This project was produced entirely in metric units.
- UT Southwestern Medical Center Bridge, Dallas - Structural Engineering Principal for a 62 ft wide by 255 ft long, 4-span continuous curved bridge. This bridge is a cast-in-place, post-tensioned concrete box-girder structure with a horizontal radius of about 272 ft.
- FM-2499, Section 3 Bridge and Culvert Widening, Denton County - Structural Engineering Principal for the 4-lane widening of a 375 ft long, 5-span bridge and an adjacent, 8-cell box culvert, both with substantial skew.
- Oak Cliff Fellowship Pedestrian Tunnel, Dallas - Structural Engineering Principal for a 200 ft pedestrian and utility tunnel under Camp Wisdom Road, connecting an existing church complex to a new education building.

Hydraulic Structure Design:

- Velasco Drainage District Levee System, Freeport - Structural Engineering Principal for the evaluation and repair/replacement of 65 flood protection structures.
- White Rock Lake Spillway, Dallas - Structural Engineering Principal for the investigation and repair/reconstruction of this landmark structure following a partial failure. The scope of the project included very tall training walls with cantilevered observation decks, supported on double-row soldier pier foundations.
- Storm Water Detention Vault for American Airlines Center, Dallas - Structural Engineering Principal for a multi-cell underground concrete structure with a labyrinth weir and a water storage capacity of 15.6 af. It was designed for HS-20 vehicle loading and Cooper E-80 train loading.

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- Storm Water Detention Vault for Dallas Area Rapid Transit, Dallas - Structural Engineering Principal for a multi-cell underground concrete structure with a labyrinth weir and a water storage capacity of 7.5 af. It was designed for HS-20 vehicle loading and Cooper E-80 train loading.
- Cole Park Storm Water Detention Vault, Dallas - Structural Engineering Principal for a vault with a detention capacity of 212 af constructed in Austin Chalk limestone 50 to 100 ft below Cole Park.
- Central Waste Water Treatment Plant, Dallas - Structural Engineering Principal for several concrete flood protection structures, including: headwalls, sluice gates, weirs, box culverts, and junction boxes.
- Rochester Levee, Dallas - Structural Engineering Principal for flood walls, retaining walls, flood gates, stop logs, drainage structures, and a pump station.
- Underground Water Storage Tank, Highland Park - Structural Engineering Principal for a 1.5 million gallon underground concrete tank and pump house constructed in a residential neighborhood.
- Waste Water Treatment Plant, Midlothian - Structural Engineering Principal for a plant upgrade, including: aerated grit facility, secondary clarifiers, aeration basins, lift stations, a pump station, and laboratory buildings.

Professional Service

Texas Board of Professional Engineers:

Member	Joint Advisory Committee on the Practice of Engineering and Architecture	2004/2011
Member	Structural Engineering Task Force	2009/2011

American Society of Civil Engineers:

Member	National, Executive Committee	2007/2008
Director	National, Board of Direction	2005/2008
Chair	National, Technical Region Board of Governors	2005/2008
Vice-Chair	National, Task Committee on Vision 2025	2007/2009
Member	National, Task Committee on Restructuring	2011/2012
Liaison	National, Strategic Planning Committee	2007/2008
Member	National, Strategic Planning Committee	2010/2012
Member	National, Program Committee	2005/2007
Chair	National, BSC Task Committee	2004/2005
Chair	National, AE Division Executive Committee	1996/1997
Secretary	National, AE Division Executive Committee	1993/1995
Co-Chair	National, TCCRE/DCOC Committee	1983/1984
Chair	Texas Section, Structural Committee	1991/1992
Member	National, Texas Section, and Dallas Branch	1972/2011
Life Member	National, Texas Section, and Dallas Branch	2012/2024

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Structural Engineering Certification Board:

Director	National, Board of Directors	2010/2016
Member	National, Structural Engineering Licensure Coalition	2015/2016

Building Security Council:

President	National, Board of Directors	2005/2007
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Architectural Engineering Institute:

Founder	National	1998
Secretary	National, Board of Governors	2002/2005
Member	National	1998/2024

Structural Engineering Institute:

Member	National, Board of Governors	2010/2014
Chair	National, SEI Futures Fund Board of Directors	2013/2015
Member	National, Structural Engineering Licensure Coalition	2012/2014
Member	National, Task Committee on the Future Qualifications of SEs	2011/2013
Member	Structures Congress 2018 Local Planning Committee	2016/2018
Member	CROSS-US Expert Panel	2019/2024
Member	National	1996/2024

Structural Engineers Association of Texas:

Member	State, Board of Directors	1993/1994
President	Dallas Chapter	1993
Officer	Dallas Chapter	1991/1993
Chair	State, PALL Committee	1995/2005
Member	State, Dallas Chapter	1987/2024

National Council of Structural Engineers Associations:

Chair	National, Advocacy Committee	2000/2005
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American Council of Engineering Companies - Texas:

President	North Texas Chapter	1987
Officer	North Texas Chapter	1985/1987

Dallas Area Rapid Transit:

Founder	PSLC Executive Committee	1987
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University of Wisconsin at Madison:

Member	CEE Department Visiting Committee	1998/2004
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University of Texas at Tyler:

Member	CE Department External Advisory Board	2008/2011
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American Concrete Institute:

Professional Member		1985/2013
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American Institute of Steel Construction:

Professional Member

2002/2013

International Code Council:

Professional Member

2000/2013

Publications and Presentations

- Kim, J. H., and Caldwell, S. R., “*Properties of Clays Under Cyclic Loading.*” Sixth Annual International Symposium on Earthquake Engineering, Roorkee, India, October 1978.
- Duggan, D. M., Wallace, E. R., and Caldwell, S. R., “*Measured and Predicted Vibrational Behavior of Gulf of Mexico Platforms, OTC 3864.*” Twelfth Annual Offshore Technology Conference, Houston, Texas, May 1980.
- Duggan, D. M., Wallace, E. R., and Caldwell, S. R., “*Measured Vibrational Behavior of a Gulf of Mexico Platform, OTC 4137.*” Thirteenth Annual Offshore Technology Conference, Houston, Texas, May 1981.
- Caldwell, S. R., and Crissman, R. D., “*Design for Ice Forces.*” A 218-page Monograph published by the American Society of Civil Engineers, New York, New York, 1983.
- Caldwell, S.R., and McLaughlin, D.L., “*Survey of Business Practice.*” A 255-page Report published by the North Texas Chapter of the Consulting Engineers Council of Texas, Dallas, Texas, November 1985.
- Caldwell, S.R., “*From the Desk of...*” An invited Editorial published as a Featured Article in STRUCTURE Magazine, February 2001.
- Caldwell, S.R., “*Architectural Engineering: Yesterday, Today, and Tomorrow.*” The Keynote Address at the National Architectural Engineering Conference, Omaha, Nebraska, March 2006.
- Caldwell, S.R., “*The Building Security Council: Introduction and Overview.*” A Special Presentation at the National Architectural Engineering Conference, Omaha, Nebraska, March 2006.
- Caldwell, S.R., and Schmidt, J.A., “*Sensible Security.*” An Article published in The Military Engineer Magazine, March 2007.
- Caldwell, S.R., “*Globalization: Threat or Opportunity?*” An invited Article published in a Special Edition of Means, Methods and Trends Magazine, August 2007.
- Caldwell, S.R., et al., “*Achieving the Vision for Civil Engineering in 2025: A Roadmap for the Profession.*” A 68-page Report published by the American Society of Civil Engineers, Reston, Virginia, August 2009.

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- Caldwell, S.R., *"The Myth of Inadequate Structural Engineering Compensation."* An invited Editorial published in Modern Steel Construction Magazine, September 2009.
- Caldwell, S.R., *"The Future of the Structural Engineering Profession."* An invited Webinar presented to the membership of the Texas Section of ASCE, August 2013.
- Caldwell, S.R., *"A Remarkable Profession!"* An invited Article published in the Structural Forum of STRUCTURE Magazine, September 2013.
- Caldwell, S.R., et al., *"A Vision for the Future of Structural Engineering and Structural Engineers: A Case for Change."* A 46-page Report published by the Structural Engineering Institute, Reston, Virginia, October 2013.
- Caldwell, S.R., *"Investing in the Future of Our Profession."* An invited Editorial published as a Featured Article in STRUCTURE Magazine, March 2014.
- Caldwell, S.R., *"Training the Structural Engineer."* An invited Two-Part Article published in the Structural Forum of STRUCTURE Magazine, April and May 2014.
- Caldwell, S.R., *"The Future of the Structural Engineering Profession."* An invited Address at the SEAoT Annual State Conference, Fort Worth, Texas, October 2014.
- Caldwell, S.R., *"The Need for Structural Engineering Licensure."* A Presentation at the SEI Structures Congress, Portland, Oregon, April 2015.
- Caldwell, S.R., *"Five Tips for Engineering Managers."* An invited Article published in the Structural Forum of STRUCTURE Magazine, June 2016.
- Caldwell, S.R., *"Five Tips for Young Engineers."* An invited Article published in the Structural Forum of STRUCTURE Magazine, July 2016.
- Caldwell, S. R., *"Ten Tips for Structural Engineers and Their Managers."* An invited Address at the Annual SET (Structural Engineering Talks), Austin, Texas, March 2017.
- Caldwell, S.R., *"Risk Aversion."* An invited Article published in the Structural Forum of STRUCTURE Magazine, March 2017.
- Caldwell, S.R., *"Failure of Imagination."* An invited Article published in STRUCTURE Magazine, June 2017.
- Caldwell, S. R., *"Courthouse Curiosities: True Tales from Texas."* An invited Address at the Geo-Structures Confluence, St. Charles, Missouri, November 2017.
- Caldwell, S.R., *"COLUMNS: Insights into Structural Engineering."* A Quarterly Newsletter distributed to construction lawyers, February 2013 through November 2017.
- Caldwell, S. R., *"Ten Tips for Structural Engineers and Their Managers."* A Presentation at the SEI Structures Congress, Fort Worth, Texas, April 2018.

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- Caldwell, S. R., *"What You are Not Taught in College."* An invited Lecture at UT-Arlington, Class AREN/CE 4347, Arlington, Texas, April 2018.
- Caldwell, S.R., *"4 Texas Projects: 3 Collapses, 1 Fiasco, 4 Deaths, and \$105M in Claims."* An invited Presentation at a SEAoT Meeting, Fort Worth, Texas, May 2018.
- Caldwell, S.R., *"Scope Creep."* An invited Article published in the Structural Forum of STRUCTURE Magazine, January 2019.
- Caldwell, S. R., *"Courthouse Curiosities: True Tales from Texas."* An invited Presentation at the SEAoA Annual Conference, Scottsdale, Arizona, June 2019.
- Caldwell, S. R., *"Ten Tips for Structural Engineers and Their Managers, and Scope Creep."* An invited Presentation at the annual ASCE Structural Engineering Conference, Ames, Iowa, November 2019.
- Caldwell, S. R., *"5 Tips for Structural Engineers, Become the Best Version of Yourself,"* an invited TSEC Podcast, March 2020.
- Caldwell, S. R., *"5 Tips for Structural Engineering Managers,"* an invited TSEC Podcast, April 2020.
- Caldwell, S. R., *"Courthouse Curiosities: True Tales from Texas."* An invited Presentation at PBX21, Honolulu, Hawai'i, January 2022 (presented virtually).
- Caldwell, S. R., *"Ethics: Lessons Learned When Your Structure Collapses."* An invited Presentation at the Oklahoma SEA Fall Virtual Seminar, November 2023.