



Burlington Northern Sante Fe Railway Headquarters, Fort Worth TX

JJA *Mechanical and Electrical Engineering Consultants*

Engineering Since 1978



BlueCross BlueShield Headquarters, Richardson TX



W Hotel, Dallas TX



Plaza Jaguar, St. Louis MO



The Richards Group, Dallas TX



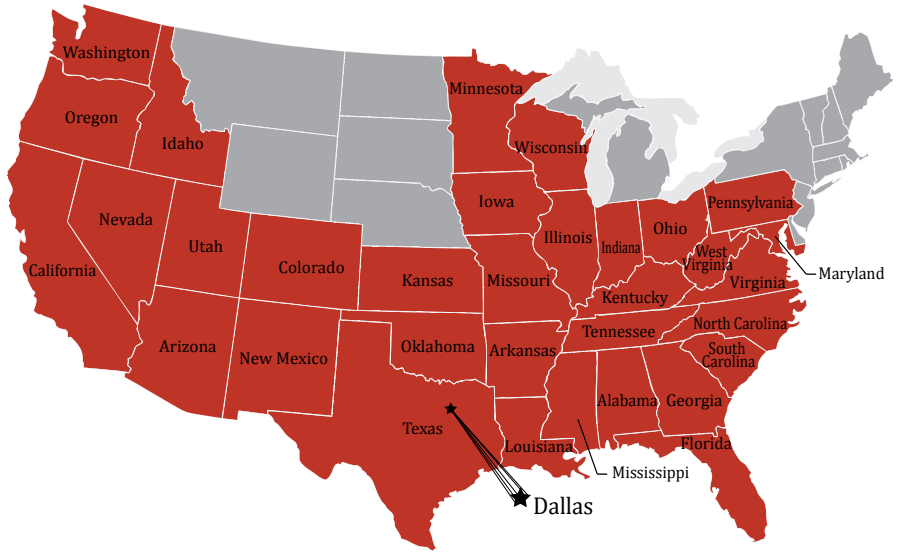
JJA, Inc. Company Profile

JJA, Inc. is a leading Mechanical and Electrical Engineering Consulting firm established in 1978 in Dallas, Texas providing engineering design of HVAC, Plumbing Fire Suppression, Electrical Distribution and Critical Power Systems, Lighting systems, Life Safety systems, Sustainable Designs, Energy Modeling and MEP System Commissioning.

JJA holds Professional Engineering registrations in over 30 states, providing services locally, regionally, and nationally. JJA also performs national on-call MEP services for several corporate Clients.

JJA is committed to sustainable design solutions, utilizing innovative engineering design processes that focus on the life cycle performance for MEP Systems.

JJA is dedicated to servicing our clients with integrity and responsiveness, while providing a collaborative TEAM solution.



Market Sectors At A Glance



Corporate & Speculative Office

JJA delivers quality MEP systems for new corporate construction, renovation, and campus projects including Underfloor Air Systems and LEED Certified facilities. For 35 years, JJA has successfully completed over 10 million SF of ground up office projects for speculative developments and single-user occupancy.

- The Richards Group HQ** 250,000 SF 19-Story Corporate Single-User Occupancy. Office above parking structure
- BlueCross BlueShield Texas HQ** 1,000,000 SF Campus, 15-Story & 7-Story Towers, On-Site Central Plant
- Hunt Oil HQ** 430,000 SF Campus, 180,000 SF 14-Story Tower and adjacent Parking Structure
- Southwest Airlines Training & Operations Support** 550,000 SF New 4-Story Corporate Single-User Occupancy
- Pier 1 HQ (formerly)** 450,000 SF 20-Story Building with 260,000 SF Parking Structure and 7,000 SF Data Center
- Radio Shack HQ** 37 Acre, 7-Building Campus, 1.4 Million SF with 20,000 SF Data Center & 4200 Ton CW Central Plant

Interiors

JJA is a leader in MEP interiors for tenant finish-out, renovation, and adaptive reuse, as well as Corporate and Tenant On-Call services nationally. Our design services assist Clients in expansion, new lease, relocation, and restacking their corporate and office environments.

- Humana** Over 33 locations in 20 States in the last 2 Years
- TXU/ Energy Future Holdings** Over 15 separate projects; Restack, Renovation/Expansion, New Lease, and Corporate HQ
- Thomson Reuters** 275,000 SF Multi-Phased Renovation
- FEDEX Kinko's HQ** 200,000 SF within the Galleria, Renovation, Multiple floors



Critical Systems

JJA offers specialized engineering design services for critical systems. Our work includes full service design for Tier 3 and Tier 4 data centers, call centers, network operations centers, dispatch training, and full building back-up systems. Many of these projects were performed for repeat clients and include full services MEP/Fire Suppression Engineering through commissioning of the systems and project close out.

- Acelity Data Center and Telecom Center**, San Antonio, Texas
- Digital Realty Trust** 110,000 SF Data Center, Multiple Locations
- BNSF** 350,000 SF Campus, Multiple Locations
- AT&T** Over 35 Locations Throughout Texas

Education

JJA provides Mechanical and Electrical Engineering Services for Higher Education and K-12 Educational facilities. Our experience includes new construction, renovations, MEP System upgrades, and student housing projects.

- SMU, TCU, UTEP, TWU, UNT, ECU (Oklahoma)**
- Tarrant County CC, Dallas County CC** Multiple Projects
- Allen ISD** Multiple Projects Over 10 Years





JJA, Inc. Leadership Team

The structure of our Mechanical and Electrical Engineering team is driven by Principal leadership and involvement throughout the course of a project. This level of commitment provides our Clients with continuity in management of both the Client relationship and the project itself.

JJA offers a team of seasoned professionals, each of whom possess a level of market specific expertise. This organization, coupled with experience and expertise, leads to effective design solutions for MEP systems that are highly functional and cost efficient. JJA's project managers' responsiveness and on-time product delivery reward us an 85% repeat client base, many of whom have been JJA Clients for over 40 years.



George Laity, P.E., CxA
*Director of Engineering/
Leader Electrical Engineering
& Critical Systems*



Doug Bronson, P.E., CxA
*Director of
Mechanical Engineering*



Scott Herrbold, P.E.
*Director of Plumbing and
Fire Suppression Engineering*



Benton Wofford
*Director of Construction
Administrative Services*



Hospitality & Residential

JJA understands the importance of efficient, dependable systems within hospitality and residential living environments and has worked closely with our Clients to provide the level of service required to achieve the aesthetic demands of this industry. JJA provides national Mechanical and Electrical Engineering Services for the interior renovation, expansion, and new construction design for hospitality and residential projects.

W-Hotel Austin 5-Star 252 Key Hotel, 159 Luxury Condominium Units, 37-Story 1,000,000 SF Building
W-Hotel Dallas 5-Star 251 Key Hotel, 94 Luxury Condominium Units, 33-Story 765,000 SF Building
Marriot Hotels Over 15 Locations and Brand Levels in 5 States

Automotive

JJA has performed Mechanical and Electrical Engineering Services for over 2 Million SF of automotive dealership projects during the past 18 years with 850,000 SF of these projects produced in the last 3 years alone. MEP services include sales and display areas; service bays; lube facilities, automated and hand car wash; site and auto display lighting, and LEED design.

Caliber Collision Centers Average 12,000 SF - 20,000 SF per location, Nation-wide
Sewell Audi of McKinney 66,000 SF New 1-Story Sales and Service, McKinney, Texas
Ewing Mercedes Benz GMC 2-Dealership, 200,000 SF Plano, Texas
Plaza Jaguar Land Rover 36,400 SF New 1-Story Sales and Service, St. Louis, Missouri



Power Studies

JJA provides power distribution system analysis for Mission Critical applications, commercial office buildings, industrial and manufacturing complexes, and educational facilities. Power System Analysis performed by JJA includes an overview of the electrical distribution system using three (3) separate but integrated steps. Each step of the study; the Short Circuit Study, the Coordination Study and the Arc Flash Study, work together to determine potential concerns and possible methods of improving the selective coordination of the electrical distribution system and provides labeling compliance with permanent labeling of the equipment per NFPA 70E and OSHA.

BNSF Railway, AT&T, Bank of America, Rackspace and Viawest Multiple Locations
Capital Group, Digital Realty Trust, Federal Home Loan Bank, Hunt Oil, UUNet, Holman Boiler, Flextronics

Commissioning

JJA has been providing certified Commissioning Services for Mission Critical projects since 1992. Our Commissioning Services has expanded to include corporate projects for commercial, government, healthcare, mixed-use, educational, and LEED Commissioning. JJA incorporates a risk-management strategy into our commissioning process that ensures a building operates as efficiently as intended in the original design and any issues are corrected efficiently and cost-effectively.

BNSF Railway, Rackspace, Southern Methodist University and AT&T Multiple Locations
Capital Group, Citigroup, Federal Home Loan Bank, Hunt Oil, Westland Bunker, Telx, Wells Fargo, UTSW Medical Center, Haworth Furniture Systems, H5CoLo, Viawest





Mechanical and Electrical Engineering Consultants



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Markets

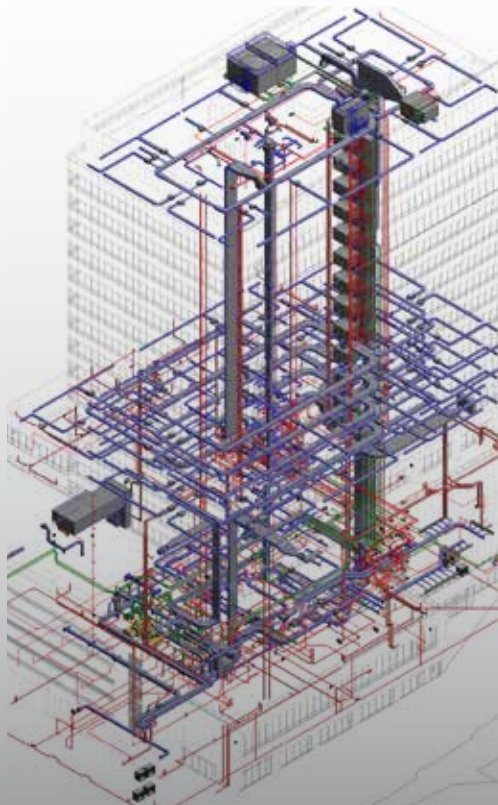
Corporate / Office
Interiors
Critical Systems
Education
Hospitality / Residential
Automotive
Power Studies
Commissioning
Healthcare
Retail / Mixed-Use
Government / Municipal
Manufacturing / Industrial

Consulting Services

Facility Assessments
Life Cycle Cost Analysis
Electrical Power Studies
System Commissioning
Document Reviews
LEED Consulting
Value Engineering

Design Services

HVAC Systems
Underfloor Air Systems
Thermal Storage Systems
Building Automation
Plumbing Systems
Electrical Power Distribution
Lighting Systems
Emergency Power Systems
Critical Systems
Coordination Studies
Energy Modeling
Fire Suppression
Life Safety Systems
Sustainable Design
BIM Production



BIM Model, 21-Story Class A Office Building, Dallas TX



Digital Realty Trust, Carrollton TX



Tenet Healthcare, Fountain Place, Dallas TX



Burlington Northern Sante Fe Railway Corporate Campus, Fort Worth TX