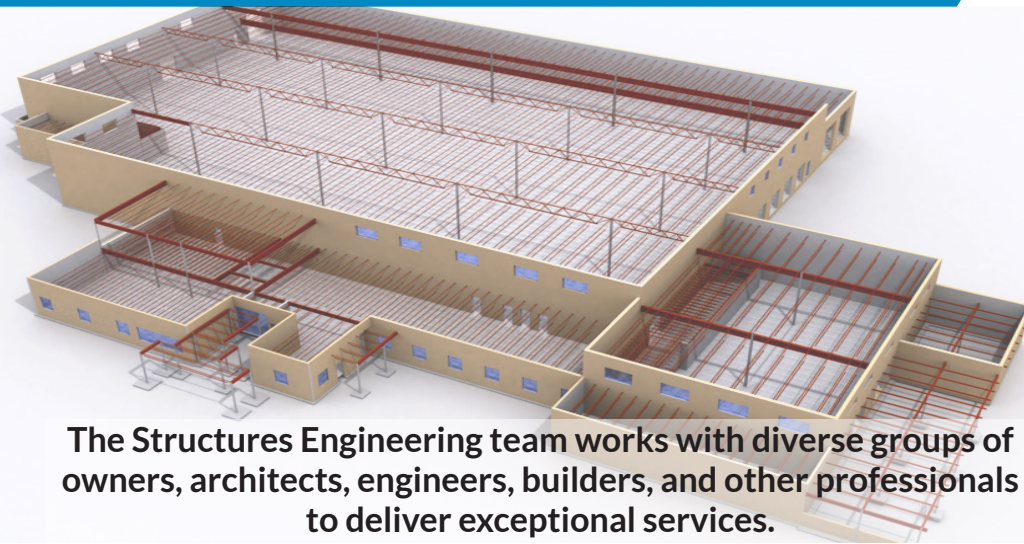


STRUCTURAL ENGINEERING *Vertical Services*



The Structures Engineering team works with diverse groups of owners, architects, engineers, builders, and other professionals to deliver exceptional services.

STRUCTURE TYPES

- Steel Framed
- Cast-in-Place & Precast Concrete
- Masonry
- Cold Form Framed
- Wood-Framed
- Tilt-Up Panel
- Composite

STRUCTURAL PROJECT TYPES

- Education
- Healthcare
- Federal & Municipal
- Multi-Family Housing
- Industrial/Process Facilities
- Recreation
- Forensic

Our Approach

SOLUTIONS

From concept-to-completion, our goal is to design safe, functional, appealing, economical, and sustainable structures for our clients and the public. We offer in-depth expertise, cost-effective solutions, and value engineering on our structural engineering projects.

COMMUNICATION

We know good, effective communication is key! We develop communication strategies specific to each project and each client. Communication flows through a single point, yet does not inhibit contact with other project team members when necessary.

CAPACITY

We have a growing team of professionals who are available to take on any project! We offer a combined team of both new and experienced engineers who have the capacity to undertake projects of any size.

TECHNOLOGY

We offer the latest and greatest in technology! Our team uses AutoCAD, Revit, and Dynamo with collaboration through BIM360 and model sharing. We use RISA, Tekla, and StructurePoint products. The Structures Engineering team works with other data processing professionals to leverage point clouds and other data inputs.



Sean Melville, PE

Sean has over 2 decades of experience engineering solutions and integrating project elements, challenges, and disciplines. From contract preparation through project close-out, he oversees project development and workflow with a focus on timely, accurate, and high-quality contract delivery.



Matt Bean, PE

Matt strategizes teaming arrangements with architects and other design professionals to meet the specific needs of projects. He is knowledgeable of modern building and design codes (IBC, ASCE7, AISC, ACI, AISI, NDS) and excels in Revit, Auto CAD, and other design and production programs.



Nick Davis, PE

Nick's expertise lies in the coordination, design, and detailing of gravity and lateral (i.e., seismic and wind) resisting building and non-building structures that support mechanical, electrical, and process equipment and components used within industrial and manufacturing facilities.

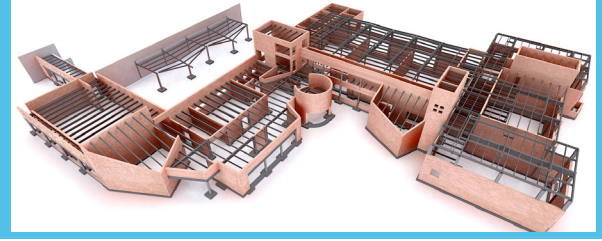
HEALTHCARE



- **CHRISTUS St. Vincent Regional Medical Center - Santa Fe, NM***
- Sierra Vista Hospital Addition - Truth or Consequences, NM*
- Midland Memorial Hospital Expansion - Midland, TX*
- HCA Houston Healthcare Clear Lake (formerly Clear Lake Regional Medical Center) - Webster, TX*
- United Regional ER Expansion - Wichita Falls, TX*

- Ruidoso Middle School - Ruidoso, NM
- Mescalero K-12 School - Mescalero, NM
- **Santa Fe Community College Trades and Advanced Technology Center - Santa Fe, NM**
- Northern New Mexico Community College Educational Building - Española, NM
- New Mexico State University Branson and Zuhl Library Structural Evaluation - Las Cruces, NM
- New Mexico State University Corbett Center Renovation - Las Cruces, NM

EDUCATION



GOVERNMENT



Federal

- Sandia National Laboratories Contracts - Albuquerque, NM
- Los Alamos National Laboratory Contracts - Los Alamos, NM
- Cannon AFB Combat Arms Training Maintenance Firing Range and Bullet Trap - Clovis, NM

State

- **New Mexico Department of Game and Fish Complex - Albuquerque, NM**
- New Mexico Department of Game and Fish Complex - Roswell, NM

Municipal

- City of Albuquerque Convention Center - Albuquerque, NM

- Zocalo Lofts - Albuquerque, NM*
- Sterling Downtown - Albuquerque, NM*
- Private Home Builders - Avalon, Beazer, Centex
- **Rainbow Vision Retirement Community - Santa Fe, NM**
- Westminster Manor (Assisted Living Facilities) - Austin, TX*

MULTI- & SINGLE FAMILY RESIDENTIAL



COMMERCIAL



- PNM Operations Center Building Addition - Albuquerque, NM
- Los Alamos Plaza - Los Alamos, NM
- **Santa Fe Railyard Parking Structure - Santa Fe, NM**
- Sandia Science and Technology Park - Albuquerque, NM
- Lovelace Medical Center West Parking Garage Repairs - Albuquerque, NM

* Matt Bean's projects prior to BHI