

# BRODERICK ENGINEERING, LLC

## CIVIL & STRUCTURAL ENGINEERING CONSULTANTS

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**Ryan Wendt, S.E., M.S.**

**Senior Engineer**

**ryan@broderickeng.com**

### **Education**

MS in Civil Engineering (Structural Emphasis), University of Arizona; 2004  
BS in Civil Engineering, University of Arizona; 2001

### **Professional Registration**

Registered Professional Engineer  
(Structural), Arizona # 49332

### **Areas of Expertise**

Structural Engineering Design (any type of Structure)

Construction Drawings

Structural Notes; Plans and Details

Structural Calculations

Project Management

Planning, organizing and managing resources to bring about the successful completion of specific project goals and objectives.

Construction Administration

Special Inspections/Observations

### **SUMMARY OF PROFESSIONAL EXPERIENCE**

Mr. Wendt has been in charge of structural design, acting as senior engineer; project manager or a project engineer, for over 500 projects (over \$500,000,000 of construction costs). These projects include education, municipal, religious, medical, military, residential, and commercial/retail structures. A graduate of the University of Arizona, Mr. Wendt has over seven years of experience in engineering and structural design.

### **RELEVANT PROJECT EXPERIENCE:**

#### **RECENT PROJECT EXPERIENCE:**

**El Corridor Hotel (Oro Valley, Arizona):** Design Engineer responsible for structural design of a new two story +/-90,000 S.F. hotel building with a partial basement. Materials of construction consist of wood stud walls, plywood sheathing over a wood framed roof (prefabricated wood trusses), plywood sheathing over a wood framed floor (prefabricated wood "I" joists), glued laminated beams, steel columns, masonry site retaining and screen walls, and conventional cast-in-place concrete foundations and slab on grade.

**Arizona Veterinary Surgery Center Expansion (Pima County, Arizona):** Design Engineer responsible for structural design of a new partial two story office building expansion (approximately 17,500 S.F.). Materials of construction consist of steel stud walls, plywood sheathing over a wood framed roof (prefabricated wood "I" joists), plywood sheathing over a wood framed floor (prefabricated wood "I" joists), glued laminated beams, steel beams, steel columns, and conventional cast-in-place concrete foundations and slab on grade.

**Luke Air Force Base Simulator Building (Maricopa County, Arizona):** Design Engineer responsible for structural design of a new 3,500 S.F. single story building addition. Materials of construction consist of masonry walls, steel decking over a steel framed roof (prefabricated steel trusses), and conventional cast-in-place concrete foundations and slab on grade.

**Arrowhead Women's Center (Glendale, Arizona):** Design Engineer responsible for structural design of a new single story medical office building (+/-10,000 S.F.). Materials of construction consist of masonry walls, plywood sheathing over a wood framed roof (prefabricated wood "I" joists and wood trusses), glued laminated beams, steel beams, steel columns, and conventional cast-in-place concrete foundations and slab on grade.

**Riverside Crossing Apartments (Tucson, Arizona):** Design Engineer responsible for structural design of new two and three story apartment buildings including a leasing office building and a maintenance building totaling +/-430,000 S.F. Materials of construction consist of wood stud

walls, plywood sheathing over a wood framed roof (prefabricated wood trusses), plywood sheathing over a wood framed floor (prefabricated wood "I" joists), glued laminated beams, steel columns, and cast-in-place post tension concrete foundations.

**Abeyta Residene Lot 7 Naranja Ranch Estates (Oro Valley, Arizona):** Design Engineer responsible for structural design of a new single story residence (+/-8,700 S.F.) with a 750 S.F. pool ramada. Materials of construction consist of wood stud walls, plywood sheathing over a wood framed roof (prefabricated wood "I" joists and wood trusses), glued laminated beams, steel beams, steel columns, and cast-in-place post tension concrete foundations.

**Puente Nuevo Plaza (Tucson Arizona):** Design Engineer responsible for structural design of a new +/-27,000 S.F. two story office shell building and a new +/-5,000 S.F. single story office shell building. Materials of construction consist of masonry and steel stud walls, plywood sheathing over a wood framed roof (prefabricated wood "I" joists), plywood sheathing over a wood framed floor (prefabricated wood "I" joists), glued laminated beams, steel beams, steel columns, and conventional cast-in-place concrete foundations and slab on grade.

## **ADDITIONAL PROJECT EXPERIENCE:**

### **COMMERCIAL**

4850 E. Broadway Dentist Renovation	<i>Tucson, AZ</i>
AGM Metal Building	<i>Tucson, AZ</i>
Almond Plaza	<i>Tucson, AZ</i>
Ambassador Jewelers Tenant Improvement	<i>Tucson, AZ</i>
American Family Insurance	<i>Marana, AZ</i>
Arizona Commercial Lighting	<i>Tucson, AZ</i>
Arizona Veterinary Surgery Expansion	<i>Tucson, AZ</i>
Boston Pizza	<i>Tucson, AZ</i>
Burger King	<i>Marana, AZ</i>
Ca-Tel Telecommunications	<i>Phoenix, AZ</i>
Capin Car Wash (22 <sup>nd</sup> and Swan)	<i>Tucson, AZ</i>
China Buffet	<i>Apache Junction, AZ</i>
China Buffet Cortaro	<i>Marana, AZ</i>
Citadel Plaza	<i>Henderson, NV</i>
Earth Energy's Hearth & Patio	<i>Marana, AZ</i>
El Charro Restaurant T.I.	<i>Sahuarita, AZ</i>
Euro Fresh Executive Offices	<i>Willcox, AZ</i>
Filaberto's Restaurant	<i>Phoenix, AZ</i>
Gas City Travel Center Expansion	<i>Benson, AZ</i>
Gentle Ben's Tenant Improvement	<i>Tucson, AZ</i>
Gracies Station	<i>Benson, AZ</i>
Greenbrier Phase II	<i>Mesa, AZ</i>
Hickey Jeep	<i>Mesa, AZ</i>
Imagen Salon & Day Spa	<i>Oro Valley, AZ</i>
Kelley Electric Warehouse	<i>Tucson, AZ</i>
La Parilla Suiza Expansion	<i>Tucson, AZ</i>
Lexus Dealership	<i>Santa Fe, NM</i>
Life Legacy Expansion	<i>Tucson, AZ</i>
Lowe's HIW Staging Area	<i>Tucson, AZ</i>
Mer Corp Metal Building	<i>Tucson, AZ</i>

Mohave Apartments	<i>Tucson, AZ</i>
Mt. Lemmon General Store	<i>Summerhaven, AZ</i>
Orange Grove Professional Offices	<i>Tucson, AZ</i>
O'Reilly Chevrolet Façade T.I.	<i>Tucson, AZ</i>
O'Reilly Chevrolet Metal Building	<i>Tucson, AZ</i>
Puente Nuevo Plaza	<i>Tucson, AZ</i>
Radisson Canopies	<i>Tucson, AZ</i>
Sahuarita Convenience Store	<i>Sahuarita, AZ</i>
Sahuarita Hay Barn Feed Store	<i>Sahuarita, AZ</i>
San Jose Plaza	<i>Oro Valley, AZ</i>
Sigma Technologies	<i>Oro Valley, AZ</i>
Simmons Plaza	<i>Tucson, AZ</i>
Skyline Country Club	<i>Tucson, AZ</i>
Sunfed Warehouse Addition	<i>Rio Rico, AZ</i>
Thornydale Office Park	<i>Tucson, AZ</i>
Tucson Store Fixtures	<i>Tucson, AZ</i>
Wendy's Prince & Campbell Tenant Improvement	<i>Tucson, AZ</i>

**MUNICIPAL**

Eloy Courtroom Renovation	<i>Eloy, AZ</i>
Heritage Trail	<i>Gilbert, AZ</i>
Hubbell Trading Post Maintenance Facility	<i>Ganado, AZ</i>
Washita Visitor Center and Administration Bldg.	<i>Washita Battlefield, OK</i>

**CHURCH**

Desert Hills Lutheran Church Addition	<i>Green Valley, AZ</i>
Grace Community Church Expansion & Renovation	<i>Tucson, AZ</i>
Highland Church—Admin Bldg., Adult Education	<i>Scottsdale, AZ</i>
Highland Church—Recording Studio	<i>Scottsdale, AZ</i>
Highland Church—Youth Ministry Building	<i>Scottsdale, AZ</i>
Iglesia de Cristo	<i>Tucson, AZ</i>

**EDUCATIONAL**

Arlington Elementary School	<i>Arlington, AZ</i>
CDO Auto Shop Addition	<i>Oro Valley, AZ</i>
CDO Fine Arts T.I.	<i>Oro Valley, AZ</i>
CDO MPR T.I.	<i>Oro Valley, AZ</i>
El Dorado Elementary School	<i>Maricopa, AZ</i>
Kings Ridge MPR Elementary School	<i>Phoenix, AZ</i>
Riverside MPR Elementary School	<i>Phoenix, AZ</i>

**MEDICAL**

Institute Peripheral Nerve Surgery	<i>Tucson, AZ</i>
University Orthopedic Specialists	<i>Tucson, AZ</i>
Urological Medical Office Building	<i>Tucson, AZ</i>
VA Mental Health Addition (Bldg 90)	<i>Tucson, AZ</i>
VA RTC Building 81	<i>Tucson, AZ</i>

**AVIATION**

Holman Hanger	<i>Tucson, AZ</i>
Ratliff Aviation – Tucson Jet Center	<i>Tucson, AZ</i>

Ryan Air Field Hanger	Tucson, AZ	<b>MILITARY</b>
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DM Air Force Base ECC Addition	DM AFB, AZ
DM MXG Building 5500	DM AFB, AZ
Ft Huachuca FTS 100 Tent Foundation	Ft Huachuca, AZ
Luke Air Force Base Simulator Building	Luke AFB, AZ

**HOTELS AND MULTI-FAMILY DWELLINGS**

5 <sup>TH</sup> Ave. Lofts	Tucson, AZ
Cope Behavioral 2433 N. Castro	Tucson, AZ
Cope Behavioral 2820 N. Castro	Tucson, AZ
El Corridor Hotel	Oro Valley, AZ
Mira Vista Resort	Marana, AZ
Ponderosa Condos	Summerhaven, AZ
Rancho Vistoso Condos	Oro Valley, AZ
Riverside Crossing	Tucson, AZ
Riverwalk Townhomes	Tucson, AZ
Villas at Canoa Ranch	Green Valley, AZ

**RESIDENTIAL**

Abeyta Residence	Oro Valley, AZ
Ballantyne Residence	Show Low, AZ
Beer Residence	Tucson, AZ
Bush Residence	Oro Valley, AZ
Carpenter Residence	Oro Valley, AZ
Doyle Cabin	Summerhaven, AZ
Ducati Model Homes – Fianchetto Farms & Oasis Hills	Marana, AZ
Eigen Residence	Oro Valley, AZ
Jones Residence	Tucson, AZ
Kerwin Residence	Oro Valley, AZ
Larcher Residence	Scottsdale, AZ
Las Sendas Model Homes	Tucson, AZ
Lot 25 Rancho Vistoso	Oro Valley, AZ
Lot 49 Stone Canyon	Oro Valley, AZ
Lot 3 Tortolita Vistas	Marana, AZ
Lot 142 Tortolita Vistas	Marana, AZ
Martin Cabin	Summerhaven, AZ
McTavish Residence	Oro Valley, AZ
Metz Residence	Marana, AZ
Naiman Garage	Pima County, AZ
Nelson – Weeks Residence	Marana, AZ
Offenberger Residence	Santa Cruz County, AZ
Riggs Residence	Oro Valley, AZ
Shewbridge Residence	Tucson, AZ
Terrazzo Homes 4500 Models	Marana, AZ
Weinstein Residence	Oro Valley, AZ
Willenberg Residence	Oro Valley, AZ
Youdelman – Kleeman Residence	Tucson, AZ

**HISTORIC/INVESTIGATION**

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101 E. Pennington

*Tucson, AZ*

An Congress Restaurant T.I.

*Tucson, AZ*

Fox Theatre

*Tucson, AZ*