

Miguel L. Purdy
Mechanical Engineer

University of Arkansas – Fayetteville, AR
B.S. Agricultural Engineering
Registered Professional Engineer

QUALIFICATIONS

Miguel has over 20 years of experience in the engineering and construction industry, specializing in food, commercial and industrial projects. This experience has come through years of design and project management with a major food processing company and his subsequent consulting efforts. His projects have included the total scope of meat and poultry operations from receiving through processing and packaging to finished product storage, with emphasis in HVAC, plumbing, piping, boiler, and refrigeration design.

EXPERIENCE OVERVIEW

VAUGHN, COLTRANE, PHARR & ASSOCIATES, (Since 1998). Responsible for concept, scope, and detailed engineering in several poultry and beef slaughter and further processing facilities, as well as other industrial and commercial projects. Projects have included:

Smithfield Beef, Hooker, OK. Preliminary design of approximately 800,000 s.f. greenfield beef slaughter facility (not constructed)

Cobb-Vantress, Lafayette, TN. New Hatchery.

Gulf Safat, Dammam, Saudi Arabia. Preliminary design of new hamburger and chicken patty processing facility (not constructed to date).

Farmland Foods, Monmouth, IL. Mechanical and electrical designs to several additions and remodels.

Uncle Ben's, Greenville, MS. Several process modification design and analysis projects.

Simmons Pet Foods, Siloam Springs, AR. 120,000 sq. ft. pet food plant expansion.

Fieldale Farms, Gainesville, GA. Pipe stress analysis of piping system designs completed by others.

FMC-Stein, Decatur, AL. Thermal fluid pipe stress analysis of piping system designs completed by others.

Tyson Foods, Sedalia, MO. Upgrade of existing wing cooking production line.

Gold Kist, Live Oak, FL. Refrigeration design and construction documents poultry processing plant expansion.

Keystone, Eufala, AL. Hatchery expansion.

Wayne Farms, Bossier City, LA. Analysis of existing oven system with recommendations and cost analysis for extending useful life.

Boar's Head Provisions, Forrest City, AR. 2,000 sq. ft. addition to meat and poultry cook facility and ventilation survey of existing facility.

Wayne Farms, Decatur, AL. Multiple additions and renovations to a cooked poultry processing facility.

Tyson Foods, Nashville, AR. 66,000 sq. ft. cold storage and ASRS addition.

Tyson Foods, Center, TX. Multiple additions and remodels to poultry processing facility.

Tyson Foods, Berry Street Facility, Springdale, AR. Multiple additions and remodels to poultry processing facility.

Tyson Foods, Pine Bluff, AR, Jefferson Parkway Plant. Remodel for new cooked process lines and new employee breakroom building.

Tyson Foods, Hope, AR. Multiple additions and remodels to poultry processing facility

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Tyson Foods, Monett, MO. Remodel of existing evisceration area to new high-speed evisceration system.

Gloria Jean's Coffee Beans, various locations throughout the U.S. New and remodeled coffee bars.

Tyson Foods, Carthage, TX. Remodel of existing evisceration area to new high-speed evisceration system.

Brother's Coffee House, various locations throughout the U.S. New coffee bars in existing buildings.

Gold Kist, Sanford, NC. 60,000 sq. ft. mechanically separated chicken addition.

University of Arkansas, Fayetteville, AR. Irrigation and lighting design for several projects related to construction of new basketball arena, Bud Walton Arena, and conversion of football stadium to natural turf.

IDF, Monett, MO. Multiple process and refrigeration additions.

Nursing Home Additions, MEP design for several nursing home facilities throughout United States.

Future Beef Operations, Arkansas City, KS. Conceptual HVAC design of 325,000 sq. ft. beef products center.

HUDSON FOODS, INC. (1987-1992). Project Engineer. Responsible for project engineering and construction management of expansion and renovation projects at multiple facilities. Projects included:

Grupo Melo, Republic of Panama. Greenfield 52,000 sq. ft. cooked poultry processing facility.

Pilgrim's Pride, Nacogdoches, TX. 165,000 sq. ft. of addition to poultry processing facilities.

Hudson Foods, Hope, AR. Multiple renovations and additions to poultry processing facility.

OTHER EXPERIENCE

ADVANCED CONSULTING ENGINEERS, INC. (1993-1998). Engineer, responsible for mechanical and electrical design of commercial and industrial facilities. Projects included:

Hudson Foods, Main Street Plant, Springfield, MO. Turkey plant remodel for supplying product to new processing facility.

George's, Springdale, AR. Processing and office addition and remodel of poultry processing facility.

Hudson Foods, Dexter, MO. Multiple renovations to poultry processing facility.

Auto Zone, various locations throughout the U.S. Responsible for design adherence to local mechanical codes; design of MEP system for new auto parts store prototypes.

Hudson Foods, Noel, MO. Multiple renovations to poultry processing facility.

Journey's Shoe Stores, various locations throughout the U.S. New and remodeled shoe stores located in malls.

PROFESSIONAL ORGANIZATIONS

National Society of Professional Engineers (NSPE)

Jarman Shoe Stores, various locations throughout the U.S. New and remodeled shoe stores located in malls.

Arkansas Society of Professional Engineers (ASPE)

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American Society of Heating, Refrigeration and
Air Conditioning Engineers (ASHRAE)