

MARTIN ENGINEERING DESIGN, Inc.

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PURPOSE STATEMENT

MARTIN ENGINEERING DESIGN is dedicated to providing Electrical, Lighting, Mechanical and Plumbing Engineering for the Architectural and Building Industries in the State of Oklahoma; established in 1979 with a focus on health care, educational and geothermal projects.

PROJECT EXPERIENCE with CENTRAL PLANTS:

The following projects are representative of our central plant design experience:



Gralla-Rees Architects

300 bed long term care facility for Oklahoma Veterans. Mechanical and Plumbing design only, 540 ton closed loop water source heat pump using an eight acre pond as a geothermal sink. Project completed in 1997.

OKLAHOMA VETERANS CENTER, Norman



Rees Architects

New 2100 ton total Centrifugal Chillers, 1000 HP Steam Boilers including total new pme systems and electrical service to hospital in original central plant location with hospital fully operational with no shutdowns.

DEACONESS HOSPITAL CENTRAL PLANT, Oklahoma City



Johnson Controls

Addition of two 4,000 Ton chillers with cooling towers, chilled water pumps, condensing water pumps, combination parallel/series free cooling heat exchanger, expansion of system filtration,

OSU WEST CHILLER PLANT, Stillwater



Johnson Controls

Addition of new high efficiency boilers and chillers including variable speed pumps and accessories. Revision of piping system to allow maximum efficiency from chilled water system. Connection of free cooling heat exchanger. Conversion of systems to two way cooling coil control valves from three way.

TULSA COMMUNITY COLLEGE: West, Midtown, & East Campus Additions/Updates

PROJECT EXPERIENCE with CENTRAL PLANTS:

The following projects are representative of our central plant design experience:



KSU CHILLER PLANT, Manhattan, KS

Johnson Controls

Energy saving retrofit project for the central plant. Including more efficient variable speed chillers, variable speed pumps and renovated cooling towers. Revised chilled water distribution piping system with controls and new electric service.



TTC RIVERSIDE CAMPUS, Tulsa

Bates LZW Architects

Premier Aeronautical Vo-Tech facility in the United States. The 280,000 square foot facility includes two large hangars suitable for modern jet liners, hypobaric and hyperbaric chambers, avionics, turbine and piston engine run up/test chambers.



TTC LEMLEY CAMPUS, Tulsa

Bates LZW Architects

New HVAC and electrical for an existing ten building vo-tech campus with two central plants. Upgrade to modular 4 pipe central plants and 4 pipe ahu's in buildings. All construction work accomplished during summer breaks.