

MEP ENGINEERING



YOUR VISION MATTERS.

Manhattan
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Emporia
620.343.7842



"Building Systems are what elevate structures to become homes, businesses and venues, places of healing and learning and worship. BG Consultants designs the heating, cooling, and ventilation systems that make spaces comfortable, the lighting and plumbing systems that make spaces functional, and the power and communications systems that make spaces productive. When a finished project serves the needs of its occupants so well that they don't notice the systems making it work, we call that success"

—Jarrod Mann, PE, LEED AP BD+C®, CSI®, CDT®
Head of MEP Engineering



Your vision matters.

To provide our clients with an integrated, whole building design approach, we added Mechanical, Electrical, and Plumbing (MEP) Engineering services to our firm in 2014. Internal collaboration amongst all design disciplines streamlines communication and facilitates harmony between the building envelope and internal systems. Our goal is to design proven, efficient MEP building systems within your budget that work for you.

With our diverse experience, we ensure that all aspects of a project are carefully considered and planned properly. Our MEP team understands how buildings function, what current and future system demands could be, and has experience designing effective solutions for projects of all types. We believe in finding the optimal balance between occupant comfort, facility operation, system performance, and cost to meet each client's needs.

MEP Engineering Services:

- Heating, Ventilation and Air Conditioning Systems
- Electrical Power and Lighting
- Domestic and Process Plumbing
- Fire Protection and Fire Alarm
- Telecommunications

Left:

Doubletree Hotel
Lawrence, KS

STATE GOVERNMENT FACILITIES

KSU Baseball and Soccer Manhattan, KS

After assisting K-State with concept imagery and fund-raising, BG designed a new Soccer Stadium and renovations to the existing Tointon Family Baseball Stadium(TFBS). The new Soccer Stadium seats 1,400 in general admission, provide Press, TV and Radio booths and a premium club. TFBS improvements included field and internal updates as well as a new face-lift from the exterior and addition of an expanded team clubhouse.



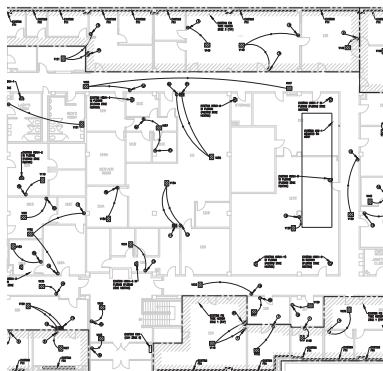
West Memorial Stadium Parking Lot Manhattan, KS

BG Consultants worked to determine photometric layouts of various light fixtures that are standardized throughout campus. Existing fixtures were replaced to mount to existing light poles and fixtures were converted from metal halide to LED throughout. New controls were provided to control all site lighting. Electrical loads were significantly reduced resulting in further energy cost reductions for the future.



State Defense Building HVAC Improvements Topeka, KS

This project includes the design of a replacement HVAC direct digital controlled temperature control system. The systems include a hot water boiler plant with primary/secondary hot water pumps, central station packaged roof mounted air handler, VAV boxes, fin tube radiators, unit heaters, utility metering, generator interconnections among others.





Wall Park Sports Complex
McPherson, KS



LOCAL GOVERNMENT FACILITIES



Pottawatomie County Fleet Maintenance Garnett, KS

The New Fleet Maintenance Facility will provide space and facilities for lubrication, inspection, general repair, and replacement of major assemblies; welding, testing, cleaning, and minor parts fabrication. It also will house support functions such as vehicle management and analysis, tool rooms, parts rooms, hazardous material/waste room (or cabinets), mustering room, offices, and ancillary support spaces.



Wall Park Sports Complex McPherson, KS

The Wall Park Renovation project began as a project to add a new Concession and toilet facility between existing baseball and softball fields and look at ways to improve drainage, but eventually developed into an overhaul of all the associated support spaces serving the ballfields.



Anderson Building Lyon County Fairgrounds Emporia, KS

The Commissioners were concerned about ADA compliance, plumbing, and electrical, serviceability to the general public, maintenance costs, utility costs, and aesthetics of the existing building. The existing exhibit hall was updated with improvements including new floors, new garage door, HVAC improvements, Electrical upgrades, Plumbing upgrades, removal of the existing restrooms and kitchen area.

Our mission is to

**provide
client-focused service
through
integrated design solutions.**

About BG Consultants

BG Consultants, Inc is a full-service E/A design firm providing services in planning; architecture; civil engineering; structural engineering; mechanical, electrical and plumbing engineering; and surveying. Our people are experts in their field, but above all, they're focused on our clients and helping them to realize their project vision.

For more information about BG Consultants and the services we provide, visit www.bgcons.com.

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