

A Multi-Trade Construction Resource For Your Changing Business Needs

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Projects Division

Industrial

Plant moves, retrofits & additions
Manufacturing process installations
Maintenance support programs

Black & McDonald's industrial experience profile spans the sensitive electronic, pharmaceutical and biotechnology environments; to the fast-paced food & beverage manufacturing sector; to the heavy industries of oil & gas, pulp and paper and power generation. Our primary objective on every project: production uptime.



Electrical Power, Lighting & Control Systems

Process Piping & Specialty Welding

Sheet Metal Fabrication, Ventilation & Recovery Systems

PLC/Instrumentation Process Automation & Factory Networks

Millwrighting & Rigging

Heating, Ventilation & Air Conditioning

Boiler, Pressure Vessel & Valve Maintenance

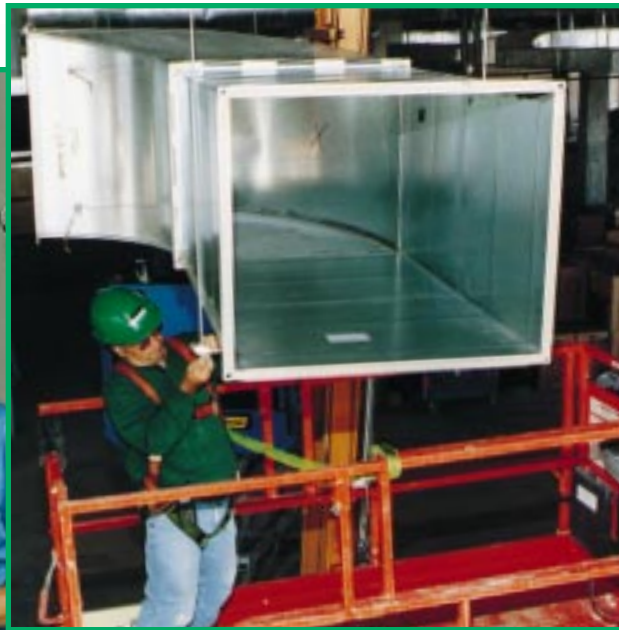
Commercial

Building retrofits & additions

Tenant interior systems

Tenant moves, adds & changes

Black & McDonald provides a complete solution to commercial contracting, one which allows commercial landlords and their corporate leaseholders to concentrate on running their businesses. We work hard to ensure building systems and supplementary tenant systems are fully compatible, and installed correctly to maintain optimum operating conditions.



Electrical Power, Lighting & Control Systems

Fire & Security Systems

Air Quality Control Systems

Computer & Environmental Systems

Certified Communications Cabling Systems

Heating, Ventilation & Air Conditioning

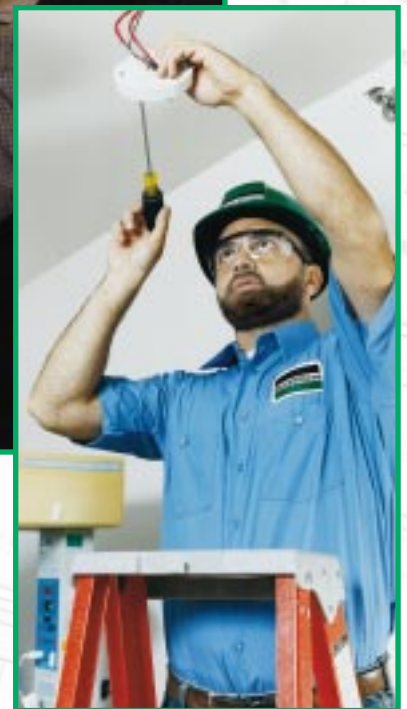
Institutional

Building retrofits & additions

Mission-critical systems installations

Daily moves, adds & changes

From hospitals and healthcare to research and educational facilities, Black & McDonald understands the importance of security and life safety within these specialized environments. Our experience ranges from the operating room to the boiler room.



Electrical Power, Lighting & Control Systems

Specialty Piping for Fluids & Gases

HEPA Clean Room Technology

Environmental & Life Safety Control Systems

Certified Communications Cabling Systems

Heating, Ventilation & Air Conditioning

Single Source Responsibility...

The Multi-Trade Advantage

Black & McDonald Projects Division is a team of professionals committed to continuous innovation, providing comprehensive project services on time, within budget. Black & McDonald provides a single source which manages and takes responsibility for all aspects of a project, including:

- Project management
- Procurement & expediting
- Subcontract administration
- Turnkey installations
- Post-installation service & maintenance
- 24-hour emergency support.

Total Quality Management

Occupational Health & Safety Program

Black & McDonald's Occupational Health & Safety Program is approved for use in the most stringent industrial environments. Our safety record over the past 10 years is consistently 50% above industry averages.

Quality Assurance Program

This program complies with a full range of provincial and federally-approved standards:

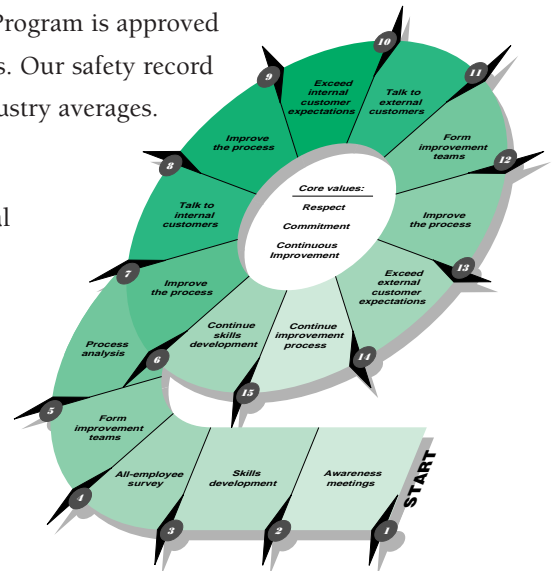
- CSA\CAN Z299.086 to Levels .2, .3 and .4
- A.S.M.E. Section 1 Appendix A-300
- I.S.O. 9002
- CWB certification to CSA W47.1 and 47.2.

Job Management Program

Black & McDonald's Job Management Program produces optimal efficiency and provides accurate information for every project. From estimating to project management, our job management software provides our people and our customers with accurate, current information.

Environmental Awareness Program

Black & McDonald is committed to protecting the environment in every project we undertake. Our program meets all provincial and federal codes, and includes an environmental checklist for project plans and prequalified specialized subcontractors.





Utilities

Electrical infrastructure work, including:

- Street, highway and parking lot lighting
- Overhead line & power distribution
- Underground cabling & duct systems
- High voltage splicing & termination
- Airfield navigation & landing aids
- Substation installation & maintenance



Facilities Management & Operations

- Multi-trade asset management
- Operations & maintenance programs
- Supply, training & management of onsite staff
- Computerized maintenance management software
- Performance audits

HVAC Service & Maintenance

- Heating
- Ventilation
- Air conditioning
- Refrigeration
- Plumbing
- Controls

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US offices:
Kansas City, Mo.
Sandy City, Utah

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A Tradition of Quality... since 1921

Black & McDonald

Projects Division