

# 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**

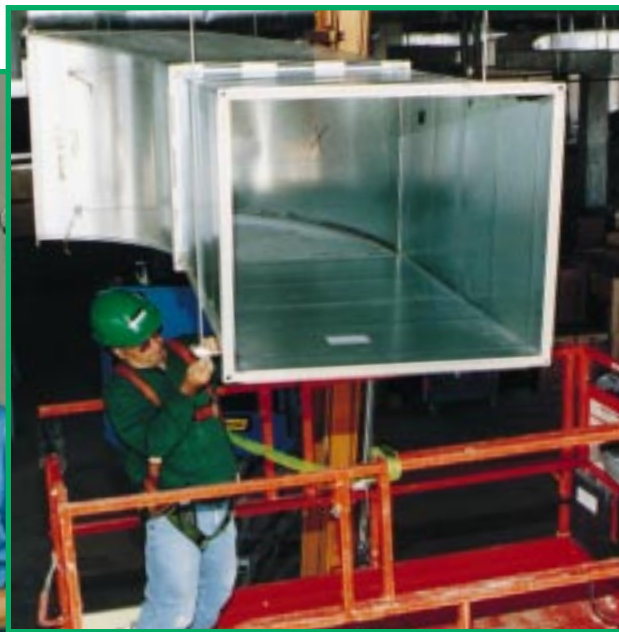
# Commercial

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*

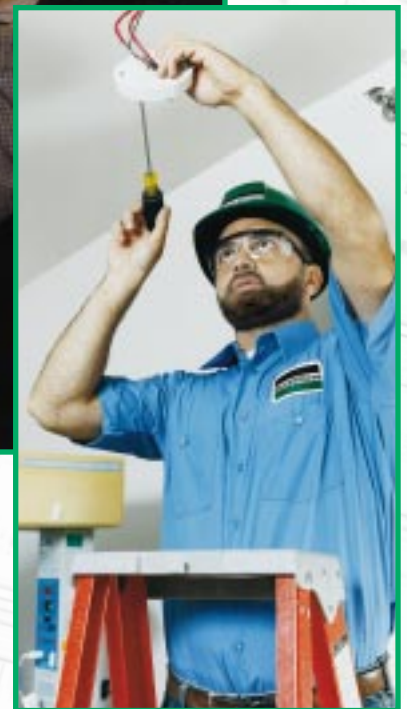
# Institutional

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:

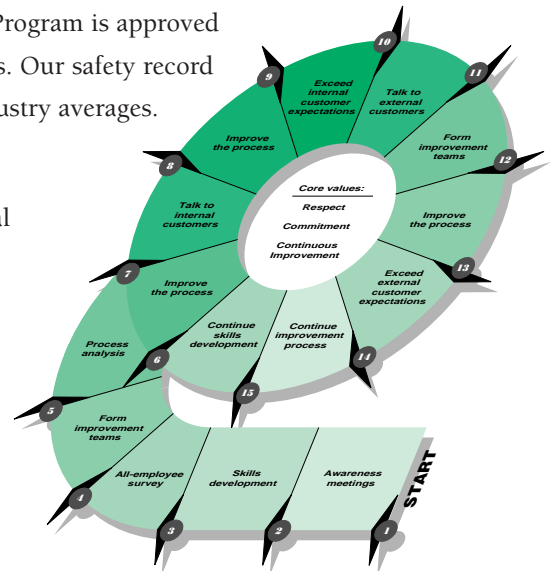
- CSA\CAN Z299.086 to Levels .2, .3 and .4
- A.S.M.E. Section 1 Appendix A-300
- I.S.O. 9002
- CWB certification to CSA W47.1 and 47.2.

## 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

***Spanning the  
nation –  
serving you  
nearby.***

Goose Bay  
St. John's  
Halifax  
Fredericton  
Moncton  
Montreal  
Ottawa  
Scarborough  
Toronto  
Mississauga  
Hamilton  
London  
Winnipeg  
Regina  
Edmonton  
Calgary  
Vancouver

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*A Tradition of Quality... since 1921*

**Black & McDonald**

**Projects Division**