

MTS Centre



LOCATION: Winnipeg, MB

DESIGN TEAM: **Mechanical Consultants**
MCW/AGE Consulting
Professional Engineers

Electrical Consultants
MCW/AGE Consulting
Professional Engineers

Design Architect
Sink Comb Dethleffs

Design Engineers
M-E Engineers

SYSTEMS DESCRIPTION:

The Mechanical and Electrical systems are designed to provide the ultimate in flexibility for sports of all kinds, up to 17,000 concert goers, or an intimate concert entertainment setting for audiences as small as 2,500.

DESIGN SCOPE:

- MCW/AGE's involvement began at the design development stage and carried right through to the end of contract administration. MCW/AGE was the Engineer-of-Record for this project. The MTS Centre is seen as the major catalyst in Winnipeg's ongoing business and cultural renaissance. MCW/AGE's Mechanical and Electrical Engineering reinforced the distinctive architectural design that combines contemporary glass and steel design with a warm red brick exterior.
- Completed Fall 2004
- Cooling capacities—11,000 tons
- Connected Systems: Over 30,000 MBH
- Sanitary Facilities: for 17,000 transient population
- Fire and Smoke Protection: Unique smoke removal of 200,000 CFM
- Electrical power distribution capacity: 10 mega watts
- 17,000 concert seats capacity
- 15,015 hockey seats capacity
- Smoke control and smoke exhaust life safety systems
- Computer interfaced microprocessor based lighting controls

