

**Part 1            General**

**1.1                SECTION INCLUDES**

- .1      High performance barrier gate and controls.

**1.2                RELATED SECTIONS**

- .1      Electrical and Instrumentation.

**1.3                SUBMITTALS**

- .1      Product Data
  - .1      Equipment list, system description, electrical wiring diagrams for installation and manufacturer's data sheets on each product to be used including preparation instructions and recommendations and installation methods.
- .2      Shop Drawings
  - .1      Shop drawings showing layout, profiles and product components including concrete support pedestal, anchorage, wiring diagrams in accordance with E4.
- .3      Operation and Maintenance Manuals.

**Part 2            Products**

**2.1                MATERIALS**

- .1      Magnetic Automation Corporation MIB 40 High Speed Barrier Gate.

**2.2                COMPONENTS**

- .1      Barrier Gate Arm
  - .1      6 metre octagonal aluminium arm with pendulum support.
- .2      Controller
  - .1      MIB 40: MLC10-U100 Magnetic Lane Controller with built-in dual channel vehicle loop detectors, five (5) potential free inputs and two (2) 24V DC outputs, easy to program lane configurations and operation parameters via selector switch, push buttons and LCD display.
  - .2      Controller to be activated by remote input signal from DCS system.
- .3      Heater
  - .1      Additional heating of drive unit to be provided for operation to -40 degrees Celsius.

**Part 3            Execution**

**3.1                INSTALLATION**

- .1        Installation in accordance with manufacturer's recommendations by factory authorized contractor.
- .2        Test system under supervision of authorized manufacturer representative.

**END OF SECTION**