

**PART 1**      **GENERAL**

**1.1**            **SECTION INCLUDES**

- .1      Equipment and installation for ground fault circuit interrupters (GFCI).

**1.2**            **RELATED SECTIONS**

- .1      Section 01 33 00 - Submittal Procedures.
- .2      Section 01 45 00 - Quality Control.
- .3      Section 26 05 00 – Common Work Requirements - Electrical.

**1.3**            **REFERENCES**

- .1      Canadian Standards Association (CSA)
  - .1      CAN/CSA-C22.2 No.144, Ground Fault Circuit Interrupters.
- .2      National Electrical Manufacturers Association (NEMA)
  - .1      NEMA PG 2.2, Application Guide for Ground Fault Protection Devices for Equipment.

**1.4**            **SUBMITTALS**

- .1      Submit product data and shop drawings.
- .2      Submit test report for field testing of ground fault equipment to Owner's Representative and a certificate that system as installed meets criteria specified herein.

**PART 2**      **PRODUCTS**

**2.1**            **MATERIALS**

- .1      Equipment and components for ground fault circuit interrupters (GFCI): to CAN/CSA-C22.2 No.144.
- .2      Components comprising ground fault protective system to be of same manufacturer.

**2.2**            **BREAKER TYPE GROUND FAULT INTERRUPTER**

- .1      Single or two pole ground fault circuit interrupter for 15-20 A, 120 V, 1 phase circuit c/w test and reset facilities.

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**PART 3**      **EXECUTION**

**3.1**            **INSTALLATION**

- .1      Do not ground neutral on load side of ground fault relay.
- .2      Pass phase conductors including neutral through zero sequence transformers.
- .3      Connect supply and load wiring to equipment in accordance with manufacturer's recommendations.

**3.2**            **FIELD QUALITY CONTROL**

- .1      Perform tests in accordance with Section 26 05 00 - Common Work Requirements - Electrical.
- .2      Arrange and pay for field testing of ground fault equipment by ground fault equipment manufacturer before commissioning service.
- .3      Demonstrate simulated ground fault tests.

**END OF SECTION**