## PART 1 GENERAL

### 1.1 SECTION INCLUDES

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

### 1.2 RELATED SECTIONS

.1 Section 01 29 83 - Payment Procedures for Testing Laboratory Services.

.2 Section 01 33 00 - Submittal Procedures.

.3 Section 01 45 00 - Testing and Quality Control.

.4 Section 26 05 00 - Common Work Results - Electrical.

### 1.3 PAYMENT PROCEDURES

.1 Pay for field testing of ground fault equipment performed by equipment manufacturer in accordance with Section 01 29 83 - Payment Procedures for Testing Laboratory Services.

### 1.4 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.

### 1.5 SUBMITTALS

.1 Submit product data and shop drawings.

.2 Submit test report for field testing of ground fault equipment to Departmental 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 GROUND FAULT PROTECTOR UNIT**

.1 Self-contained with 15A, 120V circuit interrupter complete with:

.1 Solid state ground sensing device.

.2 Facility for testing and reset.

.3 Mounted in weatherproof enclosure and cover as indicated.

## PART 3 EXECUTION

**3.1 INSTALLATION**

.1 Do not ground neutral on load side of ground fault unit.

.2 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 Results – 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**