Part 1   GENERAL

1.1   SECTION INCLUDES

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

1.2   REFERENCES

.1   Canadian Standards Association (CSA International)

.1   CAN/CSA-C22.2 No.144-2015, Ground Fault Circuit Interrupters.

.2   National Electrical Manufacturers Association (NEMA)

.1   NEMA PG 2.2-2014, Application Guide for Ground Fault Protection Devices for Equipment.

1.3   SUBMITTALS

.1   Submittals in accordance with Section 01 33 00 - Submittal Procedures.

.2   Submit product data and shop drawings.

.3   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   BREAKER TYPE GROUND FAULT INTERRUPTER

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

2.3   GROUND FAULT PROTECTOR UNIT

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

.1   Solid state ground sensing device.
.2   Facility for testing and reset.
.3   CSA Enclosure 1, surface or flush mounted with stainless steel face plate.

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 Results - Electrical and co-ordinate with Section 01 45 00 - Quality Control if required.

.2   Arrange for field testing of ground fault equipment by independent testing laboratory ground fault equipment manufacturer before commissioning service.

.3   Demonstrate simulated ground fault tests.

END OF SECTION