

PART 1 - GENERAL

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| <u>1.1 REFERENCES</u> | .1 | Canadian Standards Association (CSA International) |
| | .1 | CAN/CSA-C22.2 No.144-M91(R2006), Ground Fault Circuit Interrupters. |
| <u>1.2 ACTION AND INFORMATIONAL SUBMITTALS</u> | .1 | Submittals in accordance with Section 01 33 00. |
| | .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. |
| <u>1.3 WASTE MANAGEMENT AND DISPOSAL</u> | .1 | Separate and recycle waste materials in accordance with Section 01 74 20. |
| | .2 | Remove from site and dispose of all packaging materials at appropriate recycling facilities. |
| | .3 | Collect and separate for disposal paper, plastic, polystyrene and corrugated cardboard packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan. |
| | .4 | Divert unused metal and wiring materials from landfill to metal recycling facility approved by Departmental Representative. |
| | .5 | Fold up metal banding, flatten and place in designated area for recycling. |

PART 2 - PRODUCTS

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| <u>2.1 MATERIALS</u> | .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. |
| <u>2.2 GROUND FAULT PROTECTOR UNIT</u> | .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, flush mounted with almond nylon face plate. |

PART 3 - EXECUTION

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| <u>3.1 INSTALLATION</u> | .1 | Do not ground neutral on load side of ground fault relay. |
| | .2 | Connect supply and load wiring to equipment in accordance with manufacturer's recommendations. |
| <u>3.2 FIELD QUALITY CONTROL</u> | .1 | Perform tests in accordance with Section 26 05 00 and co-ordinate with Section 01 45 00 if required. |
| | .2 | Arrange for field testing of ground fault equipment by ground fault equipment manufacturer before commissioning service. |
| | .3 | Demonstrate simulated ground fault tests. |