

## **DIVISION 16 - ELECTRICAL**

### **Section 16660 - Ground Fault Protection Systems**

#### **Introduction**

All building main distribution systems shall have a ground fault protection system as a part of the secondary main disconnect at the building. This is required per the NEC for services of 1000 amps and larger and 150 volts to ground.

GFI receptacles shall be used for drinking fountains and wherever a receptacle is within 6' of a sink or an emergency shower and where otherwise required by the NEC or good engineering practice.

GFI receptacles shall not be feed through type. Each location required shall have its own GFI receptacle.

All kitchen receptacles shall be GFCI per the NEC.

#### **Part 1 - General**

- Provide complete submittals for all devices supplied under this section.

#### **Part 2 - Products**

- GFI relays provided as a part of a main switchboard shall be as recommended by the manufacturer of the switchboard.
- GFI receptacles shall be heavy duty specification grade receptacles similar to Snap back Hubbell GFRST20Snap.

#### **Part 3 - Execution**

- Install all devices in accordance with the manufacturer's recommendations. For service entrance systems the device shall be tested following installation in accordance with NETA testing standards.
- Each GFI receptacle shall be tested for proper operation following installation.

#### **End of Section 16660**