
26 40 00 Electrical Protection

1. Lightning and Surge Protection

- 1.1. Intermediate class metal oxide arresters rated at 2.55V maximum continuous operating voltage (MCOV) shall be provided at the incoming service to a building (sized to protect transformers from surges). Arresters shall be housed within the primary switchgear assembly.
- 1.2. Exterior lightning rods or grounding mats may be required to protect sensitive electronic equipment. All grounding means must conform to the Ontario Electrical Safety Code. Isolated ground rods are not permitted.
- 1.3. Surge protection shall be provided at distribution panels throughout the building when warranted.
- 1.4. Documentation shall include manufacturer's catalogue cut sheets for the arresters and surge protectors plus any operating or maintenance data.

2. Transient Voltage Surge Suppression

- 2.1. Transient voltage surge suppression devices shall be used to protect Fire Alarm control panels.
- 2.2. Suppression devices should be considered for any critical loads utilizing computer or solid state technology (such as life safety and security equipment).