
INSTALLATION OF LIGHTNING PROTECTION FOR BUILDINGS

This bulletin clarifies installation and inspection criteria for lightning protection, community antenna distribution and communication equipment on buildings.

Lightning Protection Systems - CAN/CSA-B72

Definition: A lightning protection system is a complete system of intercepting devices, conductors, ground electrodes, interconnecting conductors and other connectors or fittings required to complete the system.

All installations of lightning protection systems on buildings must be performed by licensed electrical contractors upon obtaining an electrical permit for each installation.

Specific installation requirements such as height and location of intercepting conductors on the roof, number and location of down conductors, and installation of ground electrodes for lightning protection systems, are mandated by the Standard CAN/CSA-B72. These requirements must be met in addition to applicable requirements of Electrical By-law No. 5563 (CE Code, Part I).

Upon completion of the installation and prior to its final acceptance by the electrical inspection authorities, the permit holder must provide a completed installation report to the Electrical Inspections Branch (see attached form).

Community Antenna Distribution Systems and Communication Systems

All installations of community antenna distribution systems on buildings including location of receiving and transmitting equipment, conductors and grounding shall meet the applicable requirements of CE Code Section 54. All installations of communication conductors and equipment on buildings shall conform with the applicable requirements of CE Code Section 60.

Where installations of community antenna distribution circuits and communication systems are performed by a communication utility in the exercise of its function as a utility, such installations may be exempt from inspections by the Electrical Inspections Branch.

Note

Sentence 3.6.1.3.(1) of Division B of the VBBL mandates the use of CAN/CSA-B72 as the Standard for lightning protection systems.

(Original signed by)

(Original signed by)

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Director, Building Code and Policy

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BULLETIN 2000-040-EL - Attachment

Revised February 27, 2020

**INSTALLATION OF LIGHTING PROTECTION SYSTEM
INSTALLER'S REPORT
(To be completed by the installing electrical contractor)**

Electrical permit No.: _____

Installation address: _____

Electrical contractor: _____

DECLARATION

I, _____, a registered Field Safety Representative for the above-stated electrical contractor, have physically inspected the electrical installation of the lightning protection system, and hereby certify that the electrical installation authorized thereby has been completed in conformance with Standard, CAN/CSAB72-M87, "Installation Code for Lightning Protection Systems", and in conformance with applicable requirements of the CE Code, Part I (Electrical By-law No. 5563).

Signature: _____ Date: _____

Field Safety Representative name: _____

Field Safety Representative No.: _____ Phone No.: _____