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## **INSTALLATION OF LIGHTNING PROTECTION FOR BUILDINGS**

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

### **1. Lightning Protection Systems**

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” (CAN/CSA-B72-M87).

- 1.1 All installations of lightning protection systems on buildings must be performed by registered electrical contractors upon obtaining an electrical permit for each installation.
- 1.2 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-M87. These requirements must be met in addition to applicable requirements of Vancouver Electrical By-law No. 5563 (CEC, Part I).
- 1.3 Upon completion of the installation and prior to its final acceptance by the electrical inspection authorities, a permit holder must provide a completed installation report to the Electrical Inspection Branch (see attached form).

### **2. Community Antenna Distribution Systems**

All installations of community antenna distribution systems on buildings including location of receiving and transmitting equipment, conductors and grounding shall meet applicable requirements of Section 54 of the CEC, Part I (Vancouver Electrical By-law No. 5563).

### **3. Communication Systems**

All installations of communication conductors and equipment on buildings shall conform with applicable requirements of Section 60 of the CEC, Part I.

**NOTE to (2) and (3):** 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 City of Vancouver Electrical Inspections.

(Original signed by)

(Original signed by)

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W. White  
MANAGER, TRADES INSPECTION  
DEPUTY CITY ELECTRICIAN

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CHIEF BUILDING OFFICIAL  
DIRECTOR, BUILDING CODE & POLICY

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**BULLETIN 2000-040-EL - Attachment**

*Revised March 11, 2016*

## **INSTALLATION OF LIGHTING PROTECTION SYSTEM**

### **INSTALLER'S REPORT**

**(To be completed by the installing electrical contractor)**

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Electrical Permit Number: EP-\_\_\_\_\_

Installation Address:\_\_\_\_\_

Electrical Contractor's Name: \_\_\_\_\_

### **DECLARATION**

I, \_\_\_\_\_, a registered Field Safety Representative (FSR) for the above-stated  
(Please print)

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 City of Vancouver Electrical By-law No. 5563.

\_\_\_\_\_  
Signature

FSR #: \_\_\_\_\_

\_\_\_\_\_  
Date

Phone Number: \_\_\_\_\_