

ELECTRICAL BULLETIN

IMPORTANT

INFORMATION FOR CONTRACTORS, CONSULTANTS, DESIGNERS AND INSTALLERS OF ELECTRICAL SYSTEMS

Information contained in this bulletin does not negate the responsibility of Electrical Contractors, and others, to comply with the requirements of the Canadian Electrical Code, the *Public Safety Act*, the *Electrical Regulations* and the supply authority.

January 13, 2010

NOTICE

Re: INSTALLATION OF ELECTRICAL SYSTEMS OR DEVICES ON, OR WITHIN 100mm OF THE UNDERSIDE OF, ROOF DECKS.

The Office of the Chief Electrical Inspector Department of Government Services advises anyone involved with the installation, repair, or design of electrical systems, that the practice of running Electrical Systems or Devices on the surface of, or within, 100mm of the underside of roof decks is not acceptable

Canadian Electrical Code Rule 12-100 states that:

'Conductors installed in any location shall be suitable for the condition of use as indicated in Table 19 for the particular location involved and with particular respect to (e) mechanical protection.'

Canadian Electrical Code Rules 12-516, 12-710, 12-1106, 12-1206, 12-1302, 12-1402, 12-1502 and 12-1602 also have provisions requiring that conduit and cables not be installed where subject to mechanical injury, either during installation or afterwards.

It has been found that when work is undertaken which involves penetration of the roof deck, wiring systems installed on the surface of, or within, 100mm of the underside of roof decks are susceptible to mechanical damage. High speed self-tapping screws or other fasteners being installed in the deck may come in contact with conductors and/or conduit causing damage. This may create fire and/or life safety hazards.

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