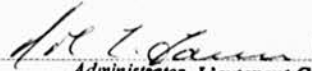


APPROVED AND ORDERED SEP. 9 1976

  
Administrator ~~Minister of Government~~

EXECUTIVE COUNCIL CHAMBERS, VICTORIA SEP. 9 1976

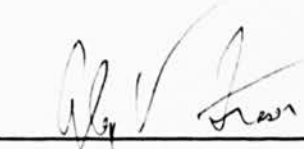
RES. 947/80 - 1 Oct 80  
ANN. 2977/77

Section 17

Pursuant to the Electrical Energy Inspection Act / ~~Act~~, and upon the recommendation of the undersigned, the ~~Administrator~~ <sup>Administrator</sup>, by and with the advice and consent of the Executive Council, orders ~~that~~, effective October 1, 1976

- I Repeal of B.C. Regulation 166/73 made by Order-in-Council 1998<sup>✓</sup> of 1973
- II Adoption, in substitution therefor, of the following:

Canadian Standards Association Standard C 22.1 1975,  
the Canadian Electrical Code Part I, as available  
in the printed form, subject to the variations  
contained in the Schedule attached hereto.

  
MINISTER OF HIGHWAYS AND  
PUBLIC WORKS

  
PRESIDING MEMBER OF THE  
EXECUTIVE COUNCIL

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 Section O--Definitions and Special Terms
 

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Approved--Delete the definition of "approved" and substitute the following:

"'approved', when used with reference to any particular electrical equipment, shall mean

- (a) that such equipment has been submitted for examination and testing to an approved testing agency, that formal certification has been given by the testing agency that the equipment conforms to the appropriate CSA standards established under the Canadian Electrical Code, or to standards satisfactory to the Chief Inspector;
- (b) that such equipment has been manufactured in conformity with an engineering standard or specification acceptable to the Chief Inspector, and that evidence of such conformity satisfactory to the Chief Inspector has been presented to him; or
- (c) that such equipment has undergone such examination and tests as may be directed by the Chief Inspector and that the results of such examination and tests have been acceptable to him;

and that, in view of the compliance of the equipment with one of the foregoing clauses, the Chief Inspector has approved it."

For the purpose of this definition the Chief Inspector shall mean: The Chief Inspector of the Electrical Branch of the Safety Engineering Services Division under the Minister of Public Works.

Chief Inspector--After the definition of "cellular floor", insert the following:

"'Chief Inspector' means:

- (a) the chief inspector of the Electrical Inspection Branch of the Safety Engineering Services Division under the Minister of Public Works, or
- (b) where the context so requires, the Chief Electrical Inspector of a municipality, appointed by the municipal council to enforce the Electrical Energy Inspection Act and regulations pursuant thereto.

Distribution centre--After the definition of "disconnecting means", insert the following:

"'distribution centre' means an assembly, made in the field, of control devices, or of control and protective devices, other than a switchboard or enclosed panelboard, designed to receive energy from one or more incoming feeders and to distribute it to two or more outgoing feeders or branch circuits."



Rule 6-100--Number of Services Permitted

Delete Rule 6-100 and substitute the following:

"(1) Except as permitted by subrule (3), two or more supply or consumers' services of the same potential and characteristics shall not be run from the same supply system to, on, or in any building except by special permission.

"(2) Equipment of such services shall be grouped if practicable.

"(3) In duplex dwellings only, and by special permission in other types of duplex occupancies, where no accessible location for common service equipment is available, two separate consumers' services may be run from a common point on the building to the respective occupancies, provided each such service shall conform to Rule 6-200.

Rule 6-102--Delete.

Rule 6-114--after the words mineral insulated cable on the 3rd line of the rule add the words "armoured cable".

Rule 6-116 --Service Head Location.

In paragraph (b) 3rd line delete the figure "9" and substitute the figure "11".

In paragraph (c) sub paragraph (ii) delete the figure "12" and substitute the figure "15".

Rule 6-200--After the words "service box", add the words "except that in duplex dwellings, or by special permission in other types of duplex occupancies, a duplex meter fitting may be used without a main service box preceding it, provided that the ampacity of the service conductors does not exceed 400 amperes, and is not less than the sum of the ratings of the over-current devices protecting the two subservices, and provided that each subservice is equipped with an approved service box."

Rule 6-300(1)(c)--Underground Services

Delete paragraph (1)(c) as written and substitute the following:

(1)(c) A single conductor metal sheath or armoured cable approved for direct burial in accordance with table 19.

Rule 6-302--at the beginning of subrule (2) before the words "that portion" insert the words "by special permission only".

Rule 6-308-- In subparagraph (i) of paragraph (c) after the words "is run in a" insert the words "non metallic".

Rule 6-312(?)--Condensation in Service Conduit.  
Delete subrule (2).

### Section 8--Circuit Loading and Demand Factors

Rule 8-202--In subrule (1) paragraph (b) delete the words "100 amperes" and after the words "shall be" insert the words "in accordance with the calculated load".

### Section 10--Grounding

Rule 10-520--Grounding Equipment to Circuit Conductors.  
Delete subrule (2).

Rule 10-702--Delete subrule (7) and substitute the following:

"(7) Notwithstanding subrule (3), where the soil is of such character that rod electrodes 10 feet long cannot be driven to full depth, two or more rod electrodes 6 feet in length and not less than 6 feet apart shall be driven to full depth and connected together, as required by subrule (9)".

### Section 12--Wiring Methods--Low Voltage

Rule 12-616--Add a new subrule, as follows:

"(4) Where the cable enters an outlet box it shall be protected from mechanical injury during the installation of wall and ceiling finish materials."

Rule 12-3026--Delete Rule 12-3026.

Rule 12-3042--Add the following new paragraph

(c) For a raceway entering in the wall of a box opposite to a removable cover, have a distance from the wall to the cover of not less than the trade diameter of the largest raceway plus six times the diameter of the largest conductor.

Rule 14-100--In paragraph (c) after the word "conductor" delete the words "in in other than dwelling unit; and"

Section 26--Installation of Electrical Equipment

Rule 26-250--After the words "disconnecting means for transformers" insert the figure "(1)". Add new subrule "(2)" as follows:

(2) Where two or more banks of transformers are installed in a vault, a group operated disconnecting means shall be provided in the primary of each transformer bank.

Rule 26-362--In subrule (2), after the word "shall", insert the words "be equipped with three-point latching, and".

Rule 26-700--Add the following new subrule:

"(11) Where a receptacle is connected to a circuit serving other outlets, it shall be so installed that it may be disconnected from the circuit conductors without interrupting the continuity of the circuit conductors."

Rule 26-708--Add the following new subrule:

"(3) Three-wire branch circuits supplying energy to receptacles conforming to paragraph (a) of subrule (1) shall be colour coded as required by Rule 4-034."

Section 32--Fire Alarm Systems

Rule 32-010--In subrule (1) paragraph (b) delete the words "where the system is provided with electrical supervision."  
Delete subrule (3) and substitute the following:

"(3) Every fire-alarm system shall be equipped with audible and visible trouble signal devices which give warning of the loss of supply from either the main or the standby power source to the system, and which receive power to operate, from whichever source is available."

Rule 32-016--Delete subrule (4).

#### Section 34--Signs and Outline Lighting

Rule 34-010--Delete subrule (2) and substitute the following:

"(2) Where the connected load is known, the number of outlets may exceed 12 providing the load current does not exceed 80 per cent of the rating of the overcurrent device protecting the circuit.

Rule 34-012--Delete subrule (2).

Rule 34-052--Delete paragraph (b) of subrule (1). Delete subrule (2) & (3).

#### Section 36--High Voltage Installations

Rule 36-308--Delete paragraph (b) of subrule (2) and substitute the following:

"(b) be covered to a depth of 6 inches by a bed of crushed rock of  $\frac{1}{2}$  inch to 1 inch size, which shall be kept free from vegetation.

At the end of paragraph (d) of subrule (2), add the following: "when installed within the station fence enclosure."

After paragraph (d), add the following new paragraph:

"(e) When installed outside the station fence enclosure,

(i) be located so that no part of the mat is within 10 feet of the station fence;

(ii) not be connected to the fence or station grounding electrodes;

(iii) have one  $\frac{3}{4}$  inch by 10 foot ground rod installed at and welded to each of the four corners of the mat, and two of these rods shall carry clamps for the connection of grounding conductors, one of which shall be the grounding conductor mentioned in subrule (3) paragraph (b);

(iv) have a No. 2/0 AWG grounding conductor run from the second clamp to the switch frame, if the system neutral conductor is not present;

(v) not be connected to the switch frame if the system neutral conductor is present, but instead the switch frame shall be connected to the neutral conductor by a bonding conductor of the same size as the neutral conductor."

Section 48--Projection picture studios, Projection Rooms, Film Exchanges, Including  
Film-vaults and Store Houses for Pyroxylin Plastic and Nitro-cellulose X-ray  
and Photographic Film.

Rule 48-032--After the words "projection room", add the words "except where  
such equipment forms part of an approved projector and arc-lamp assembly".

#### Section 54--Radio & Television Installation

Rule 54-002--At the end of paragraph (b) add the word "and". Add new  
paragraph (c) General service radio (C.B.) transmitting equipment.

#### Section 62--Fixed Electric Space and Surface Heating

Rule 62-216--Add a new subrule (3) as follows:

"(3) Except by special permission, each central unit shall be  
provided with a disconnecting means, connected on the line side of the controller  
and located at a point within sight of and not more than 30 feet from the unit.

#### Section 70--Electrical Requirements for Factory-built Relocatable Structures and Nonrelocatable Structures

Rule 70-108--In subrule (1) delete paragraph (c).