



Informative Note 22-0 Area Classifications For Buildings Housing Livestock Or Poultry

Issue Date: September 14, 2018
Based on the Manitoba Electrical Code

In addition to technical interpretation 22-002-2 of the Manitoba Electrical Code this notice is intended to assist the industry in the classification, plans and specification requirements for buildings housing livestock.

General:

- (1) Engineered drawings must be complete and include suitable plans and specifications such that the electrical installation will be safe, functional and in accordance with the current edition of the Manitoba Electrical Code, provincial regulations and good engineering practice.
- (2) On completion of an electrical installation, and in compliance with 2-014(5) of the Manitoba Electrical Code, the responsible professional engineer must submit a compliance letter.

Existing buildings housing livestock:

For existing buildings that do not employ an engineer, the electrical installation, with respect to alterations or repairs done at a premise or building housing livestock constructed prior to August 1, 2015, may be installed to the requirements of section 22 of the 11th edition of the Manitoba Electrical Code.

Additions:

The electrical installation for an addition to a building housing livestock that meets the following criteria may be installed to the requirements of section 22 of the 11th edition of the Manitoba Electrical Code.

- The addition is no larger than the existing building.
- The building is not subject to the Manitoba Farm Building Code.
- There will be no other additions allowed under this clause.

New Buildings Housing Livestock:

- (1) Engineered drawings for new buildings housing livestock will be required when:
 - The building is subject to the Manitoba Farm Building Code.
 - The building is not subject to the Manitoba Farm Building Code and the customer employ's an engineer to design the facility.
 - Other installations as the inspection department may require.



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- (2) Engineered drawings must be complete and must specify wiring methods and electrical equipment that will meet the design criteria. Equipment specifications must include enclosure ratings suitable for the area classification. Note the enclosure rating must be marked on the equipment, recognized by the Manitoba Electrical Code and in addition to an IP rating.
- (3) The engineer will determine and request allocation of suitable spaces for electrical equipment. The Manitoba Electrical Code stipulates that only equipment essential to the operation be located in the Category 1 or 2 location. Electrical panels, for example, must be in a dry electrical room and cannot be located in the barn environment.
- (4) Electrical rooms and locations adjacent to a category 1 or 2 location shall have a self closing door with a gasket.