Where Required

- A floor drain shall be installed in the basement, forming part of a dwelling unit where gravity drainage to a sewer, drainage ditch or dry well is possible. BCBC 1998 9.31.4.4(1)

- A floor drain shall be provided in a garbage room, incinerator room or boiler room serving more than one dwelling unit. BCBC 1998 – 9.31.4.4(1)

Not Permitted

- A floor drain, or other fixture, located in an oil transformer vault, a high voltage room or any room where flammable, dangerous or toxic chemicals are stored or handled, shall not be connected to a drainage system. BCPC 1998 – 7.4.3.4

Where Connected and Protected

BCPC 1998

7.4.2.1(1)(C) Where acceptable, a floor drain may be connected to a storm drainage system, provided it is located where it can receive only clear water waste or storm water.

7.4.3.5 Where drains are provided in elevator pits:

(a) they shall not be connected directly to any sewer;

(b) there shall be a sump well provided outside the elevator pits and the drains connected directly into the sump well;

(c) the drain from the sump well to the sewer shall have a backwater check valve and be trapped and vented as required by applicable plumbing codes and bylaws.
Floor Drains

7.4.5.1(3) One trap may serve a group of floor drains or shower drains, a group of washing machines or a group of laboratory sinks if the fixtures:
   (a) are in the same room;
   (b) are not located where they can receive food or other organic matter.

7.4.5.2(2) A floor drain that drains to a storm drainage system shall be protected by a trap which:
   (a) is located between the floor drain and a leader, storm building drain, or storm building sewer;
   (b) may serve all floor drains located in the same room;
   (c) need not be protected by a vent.

7.4.5.5 Provisions shall be made for maintaining a trap seal of a floor drain by the use of the trap seal primer, by using the drain as a receptacle for an indirectly connected drinking fountain, or by equally effective means.

Table 7.4.9.3 – Minimum size of outlet pipe and trap floor drain 50mm (no drainage load for emergency floor drains).

7.5.1.1(3) A trap that serves a floor drain does not need to be protected (by a vent) where:
   (a) the size of the trap is at least 75mm;
   (b) the length of the fixture drain is at least 450mm;
   (c) the fall on the fixture drain does not exceed its size.

Appendix 7.4.5.5 Maintain trap seal.
   (a) flush tank
   (b) indirect clear water waste
   (c) trap seal primer
   (d) shower
   (e) faucet
   (f) flush valve

Appendix 7.5.1.1(3) Trapping of floor drains.
   (a) length to main line must be at least 450mm and its fall must not exceed the size of the pipe.