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(ii) That extends from the top of the room or locker to at least 3 ft. (1 m) above the top of the room or locker;
(iii) That is at an angle of 45 degrees or less from the vertical; and
(iv) That has no appliances, such as flame arresters, that impede free passage of air or gas mixtures; or
(3) A duct from the top of the room or locker to an exhaust ventilation duct.

(e) Deck boxes. Except for a deck box for a small battery installation, each deck box must have a duct from the top of the box to at least 4 ft. (1.2 m) above the box ending in a gooseneck or mushroom head that prevents entrance of water. Holes for air must be on at least two parallel sides of each box.

(f) Weathertight. Each deck box must be weathertight.

(g) Boxes for small battery installations. Each box for a small battery installation must have openings near the top to allow escape of gas. If the installation is in a non-environmentally-controlled location, the installation must prevent the ingress of water.

§ 111.20–5 Temperature rise.

(a) The temperature rise, based on an ambient temperature of 40 degrees C, must not exceed the following:
   (1) For Class A insulation, 55 degrees C.
   (2) For Class B insulation, 80 degrees C.
   (3) For Class F insulation, 115 degrees C.
   (4) For Class H insulation, 150 degrees C.
(b) If the ambient temperature is higher than 40 degrees C, the transformer must be derated so that the total temperature stated in this section is not exceeded. The temperature must be taken by the resistance method.

§ 111.20–10 Autotransformers.

An autotransformer must not supply feeders or branch circuits.