

**CHAPTER 12: INTERIOR ENVIRONMENT**

**1203.2** Add two exceptions as follows:

**Exceptions:**

1. Roof assemblies where an expanding spray foam insulation material, providing at least 40% of the total R-value of the required insulation, is in direct contact with the underside of the roof deck and adjacent framing members. If the permeability of the foam material is less than two perm-inch, no vapor barrier is necessary.
2. Roof assemblies where a board foam plastic insulation material, providing at least 40% of the total R-value of the required insulation, is placed on top of the roof deck. If the permeability of the foam material is less than two perm-inch, no vapor barrier is necessary.

When either exception 1 or 2 is taken, the following conditions must also be satisfied:

- a. The roof assembly, including the wall-to-eave-to-roof deck connection must be made air-tight, per Chapter 13 as applicable *and*,
- b. Thermal barrier requirements, if any, shall be per Chapter 26 as applicable *and*,
- c. The roof assembly must meet the fireresistance rating requirements of this code, when and as applicable *and*,
- d. Roofing material must be listed/warranted by its manufacturer for use in an unvented roof system.

**1203.4.2.1** At the end of the section add this text:

Natural ventilation methods such as operable windows shall not substitute for mechanical ventilation. Such bathroom exhaust shall vent directly to the outside and no exhaust vent shall terminate in attics or other interior portions of the building.

**1203.5** Replace ‘shall be provided as required by both codes’ with ‘or 527 CMR shall be provided.’

**1205.4.1:** Replace ‘NFPA 70’ with ‘527 CMR 12.00: *2008 Massachusetts Electrical Code (Amendments)*’

**1209.4** Add subsection:

**1209.4 Air Sealing.** Doors, trap doors, scuttles, and other openings separating conditioned from unconditioned space shall be fitted with gaskets, weather strips *etc.* and such openings shall close tight to minimize air transfer between conditioned and unconditioned space (also *see* Chapter 13).

NON-TEXT PAGE