

1. PURPOSE

This standard specifies the minimum requirements for the safe design and installation of *refrigeration systems* used in residential applications.

2.* SCOPE

2.1 This standard applies to *listed direct refrigeration systems* in the following residential applications that are limited to serving only a single *dwelling unit* or *sleeping unit*:

- a. One- and two-family *dwelling*s and townhouses
- b. Detached outbuildings associated with a one- or two-family *dwelling* or townhouse and located on the same property included in Section 2.1(a)
- c. Individual *dwelling units* and *sleeping units* located in a *multifamily dwelling*

3. ADMINISTRATIVE

3.1 Precedence with Conflicting Requirements. Where there is a conflict between this standard and local building, electrical, fire, mechanical, or other adopted codes, the provisions of the local or adopted code *shall* take precedence unless otherwise stated in those codes.

dwelling, multifamily: a building that contains three or more *dwelling units*.

definition found in ASHRAE 15.2 for multifamily dwelling

3. Underground below the frost line and not less than 8 in. (20.3 cm) below finished grade

8.5.1.2 Prohibited Locations. *Refrigerant piping shall not* be installed in any of the following locations:

- a. Exposed within a fire resistance rated exit *access* corridor
- b. Exposed within an interior exit stairway
- c. Exposed within an interior exit ramp enclosure
- d. Exit passageway
- e. Elevator, dumbwaiter, or other shaft containing a moving object
- f. Inside an *air duct* or return air *plenum*

8.5.1.3* Refrigerant Pipe Shafts. *Refrigerant piping* that penetrates two or more floor assemblies *shall* be enclosed in a fire resistance rated shaft enclosure *where such enclosure is required by the building code.*

8.5.1.4 Exposed Piping Surface Temperature. Exposed *piping* with *ready access* having tem-