

COMMON SYSTEMS
THROUGH-PENETRATION FIRESTOPPING REQUIREMENTS

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1. GENERAL

1.01 This section provides the guidelines and requirements for firestopping floor and wall penetrations commonly used for network equipment power and interconnecting cable runs in network facilities, and for protecting cable runs in non-equipment areas. Waterproofing and smoke stopping requirements are included in this section because they are integral components of firestops. Unless otherwise indicated, this section does not cover the firestopping of through-penetrations used for building service type apparatus such as water pipes, building electrical apparatus and raceways, or heating and ventilation ducts.

1.02 This section was revised to: General editing of 1.12 to 1.14, 1.16, 1.21, 2.01 bullet, 4.01, 4.02, 6.02, 6.05, and Table 1; added 1.17, 1.18, 6.04 and figures Fig.3, 4 and 9 through 14; Renumber remaining figures to agree.

1.03 The mineral wool firestopping illustrations contained in this section are based on pre-divestiture AT&T Bell Laboratories testing to the 2-hour fire testing conditions of ASTM E-119 *Method for Fire Tests of Building Constructions and Materials*. Intumescent and expandable foam firestopping technologies are based on product manufacturer testing to the fire testing conditions of ASTM E-814 *Methods for Fire Tests of Through-Penetration Fire Stops* and/or Underwriters Laboratories (UL) standard UL 1479 *Fire Tests of Through-Penetration Firestops*.

- ASTM E-119 covers fire protection testing for other than through-penetration firestops. UL standard UL-263 is an acceptable testing standard that may be used to verify compliance with ASTM E-119.
- ASTM E-814 covers fire protection testing for through-penetration firestop systems. UL standard UL-1479 is an acceptable testing standard that may be used to verify compliance with ASTM E-814.

1.04 The installed arrangement of a through-penetration firestop system must maintain the fire resistance integrity of a building's construction to prevent ignition of combustible materials on