

**NEW EQUIPMENT—BUILDING SYSTEM
(NEBS)
BUILDING ENGINEERING STANDARDS
BUILDING DESIGN**

1. GENERAL

1.01 This section introduces the Bell System Practices that provide standards and guidelines for NEBS central office, radio relay, and transmission station buildings. The practices are to be applied in the design of buildings that are intended to house telephone equipment that meets the requirements of Bell System Practice 800-610-164 "New Equipment Building System (NEBS), General Equipment Requirements," or Technical Reference PUB 51001 for equipment furnished by General Trade suppliers. They apply in the design of new buildings, building additions, or the refurbishing of existing buildings intended for NEBS equipment.

1.02 Whenever this section is reissued, the reasons for reissue will be listed in this paragraph.

1.03 As they become available, these practices will supercede existing practices or sections of Specification X-74300, NEBS-Building Engineering Standards (BES), Part 2, Building Design, as indicated below. The availability of individual sections may be determined by reference to the current issue of the Numerical Index, Section 760-000-000.

Building Design Loads

SECTION	TITLE
760-200-015	NEBS Standards—Building Design—General
760-200-020	Design Loads for Telephone Buildings—General (Supercedes 760-200-151)
760-200-021	Floor Design Loads (Supercedes BES Section 5.1)

SECTION

TITLE

760-200-022	Wind Design Loads (Supercedes BES Section 5.2)
760-200-023	Earthquake Design Loads (Supercedes BES Section 5.3)
760-200-024	Nuclear Design Loads (Supercedes BES Section 5.4)
760-200-025	Local Vibratory Souce Loads

Equipment-Building Interfaces

760-200-030	Cable Entrance Facility (CEF) (Supercedes BES Section 6.1)
760-200-031	CEF Conduit Entrances, Risers, and Holes (Supercedes BES Section 6.2)
760-200-032	Cable Openings (Supercedes BES Section 6.3)
760-200-040	Floor and Ceiling Anchors (Supercedes BES Section 6.4)
760-200-041	Equipment Support (Supercedes BES Section 6.5)

Building Elements

760-200-100	Structural Floors (Supercedes BES Section 7.1)
760-200-110	Raised Floors (Supercedes BES Section 7.2)
760-200-150	Column Designation
760-200-152	Column Spacing in Equipment Buildings

SECTION 760-200-015

SECTION	TITLE	SECTION	TITLE
760-210-150	Ceiling Heights for Equipment Buildings	760-230-120	Chilled Water Distribution (Supercedes BES Section 9.4)
<i>Electrical Protection</i>		760-230-130	Lighting (Supercedes BES Section 9.5)
760-220-100	RFI Shielding (Supercedes BES Section 8.2)	760-230-140	Alarm Systems (Supercedes BES Section 9.6)
760-220-110	EMP Shielding (Supercedes BES Section 8.3)	760-230-150	Noise Control (Supercedes BES Section 9.7)
760-220-120	Lightning and Surge Protection (Supercedes BES Section 8.4)	760-230-160	Energy Conservation (Supercedes BES Section 9.8)
760-220-130	Grounding Systems (Supercedes BES Section 8.5)		
<i>Environmental Control</i>		<i>Telephone and Building Power</i>	
760-230-005	Atmospheric Environment for Telephone Equipment Space—General Considerations and Heat Release (Supercedes 760-555-150, 151)	760-240-100	DC Power Plants (Supercedes BES Section 10.1)
760-230-100	Equipment Cooling—General (Supercedes BES Section 9.1)	760-240-110	Building Power (Supercedes BES Section 10.2)
760-230-101	Equipment Room Air Distribution (Supercedes BES Section 9.3)	760-240-120	AC Emergency Power (Supercedes BES Section 10.3)
760-230-102	Ventilation of Building Mech Equipment Areas and Power Rooms (Supercedes 760-555-151)	760-240-130	AC Power Distribution Systems (Supercedes 760-400-100)
760-230-103	Equipment Room Smoke Control		
760-230-110	Air Filtration (supercedes BES Section 9.2)	760-250-100	<i>Fire Protection</i> Design Criteria for Fire Detection Systems in Telephone Buildings (Supercedes 760-621-150)