



City of Rochester, New Hampshire

Building and Licensing Services

Construction Types

TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A	B	A	B	HT	A	B
Primary structural frame ^f (see Section 202)	3 ^{a, b}	2 ^{a, b}	1 ^b	0	1 ^b	0	HT	1 ^b	0
Bearing walls									
Exterior ^{e, f}	3	2	1	0	2	2	2	1	0
Interior	3 ^a	2 ^a	1	0	1	0	1/HT	1	0
Nonbearing walls and partitions	See Table 602								
Exterior									
Nonbearing walls and partitions	See Section 2304.11.2								
Interior ^d									
Floor construction and associated secondary members (see Section 202)	2	2	1	0	1	0	HT	1	0
Roof construction and associated secondary members (see Section 202)	1 ^{1/2, b}	1 ^{b, c}	1 ^{b, c}	0 ^c	1 ^{b, c}	0	HT	1 ^{b, c}	0

The code requires every building to be classified as one of five possible types of construction: Type I, II, III, IV or V.

Each type of construction denotes the kinds of materials that are permitted to be used [i.e., noncombustible steel, concrete, masonry, combustible (wood, plastic) or heavy timber (HT)], and the minimum fire resistance ratings that are associated with the structural elements in a building having that classification (i.e., 0, 1, 1½, 2 or 3 hours).

Types I and II construction consists of building elements that are noncombustible.

Type III construction of buildings have noncombustible exterior walls and combustible or noncombustible interior elements.

Type IV construction identifies those structures with noncombustible exterior walls and heavy-timber interior elements.

Type V buildings are permitted to have building elements that are either combustible or noncombustible, or a combination of both.

Types I, II, III and V construction are further subdivided into two categories (IA and IB, IIA and IIB, IIIA and IIIB, VA and VB) that identify differences in the degree of fire resistance required.

See link below for full details

[CHAPTER 6 TYPES OF CONSTRUCTION, 2018 International Building Code \(IBC\) | ICC Digital Codes \(iccsafe.org\)](#)