

The major sprinkler tradeoffs are:

IBC

	SPRINKLERED*		UNSPRINKLERED	
	IA (hours)	IB (hours)	IA (hours)	IB (hours)
Structural frame Including columns, girders, trusses	2	1	3	2
Bearing walls – Interior	2	1	3	2
Bearing walls – Exterior	2	1	3	2
Non-Bearing – Interior	1	1	1	1
Non-Bearing – Exterior	Based on distance to property line			
Floor Construction Including supporting beams and joists	2	1	2	2
Roof Construction Including supporting beams and joists	1	1	1½	1
Dwelling Unit Separations - Walls	1	1	1	1
Dwelling Unit Separations - Floors	2	1	2	2
Corridors	1	1	1	1
Shafts (Exit Stairwell, Elevator Shafts)	2	2	2	2
Shafts (Other)	1	1	2	2

* Required to be a High-Rise building for these sprinkler reductions

UBC

	SPRINKLERED*		UNSPRINKLERED	
	I-FR (hours)	II-FR (hours)	I-FR (hours)	II-FR (hours)
Structural frame Including columns, girders, trusses	3	2	3	2
Bearing walls – Interior	2	1	3	2
Bearing walls – Exterior ⁺	3	3	4	4
Non-Bearing – Interior	1	1	1	1
Non-Bearing – Exterior ⁺	3	3	4	4
Floor Construction Including supporting beams and joists	2	2	2	2
Roof Construction Including supporting beams and joists	1	1	2	1
Dwelling Unit Separations - Walls	1	1	1	1
Dwelling Unit Separations - Floors	2	2	2	2
Corridors	1	1	1	1
Exit Stairwell, Elevator Shafts	2	2	2	2
Shafts	1	1	2	2

* Required to be a High-Rise building for these sprinkler reductions; ⁺Also based on distance to property line