

U.S. Fire Administration / National Fire Academy

Coffee Break Training

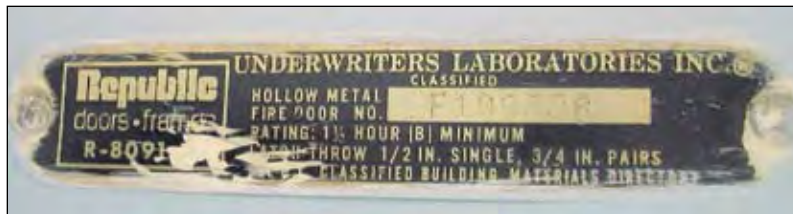
Topic: Fire Assembly Opening Labels

Learning objective: The student shall be able to identify opening classes where fire door assemblies are installed.

The Underwriters Laboratories (UL) fire door label in this picture indicates the door has a 1-1/2-hour fire resistance rating when tested in accordance with UL Standard 10B, Fire Tests of Door Assemblies.

Many inspectors mistakenly believe the letter “B” after the rating means a “B-labeled door” has a 90-minute fire resistance rating.

The letter designation is not directly related to the door assembly’s fire resistance rating, but is a descriptor of the opening type where the assembly should be installed.



This classification method has been deemphasized in recent years to avoid confusion, but an inspector may find these applications in existing buildings.

Fire Door Assembly Letter Designations

Class	Recommended for Openings Located in:
A	Firewalls and walls that divide a single building into fire areas.
B	Shafts and vertical enclosures, and 2-hour-rated partitions.
C	Walls or partitions between rooms and corridors.
D	Exterior walls likely to suffer severe fire exposure.
E	Exterior walls likely to suffer moderate fire exposure.
F	Exterior walls likely to suffer light fire exposure.

For additional information, refer to NFPA 80, Fire Doors and Windows.