

Glossary of abbreviations and acronyms used in this section:

- | | TERM |
|-----------|---|
| • AHJ | - Authority Having Jurisdiction |
| • ANSI | - American National Standards Institute |
| • DHI | - Door and Hardware Institute |
| • FEH | - Fire Exit Hardware (Exit devices which are listed for both fire and panic applications) |
| • FM | - Factory Mutual |
| • IBC | - International Building Code |
| • ITS/WHI | - Intertek Testing Services / Warnock Hersey |
| • MPD | - Mortise Panic Device |
| • NFPA | - National Fire Protection Agency |
| • NFPA 80 | - Nationally accepted standard for the use and installation of fire frames and doors |
| • RPD | - Rim Panic Device |
| • SDI | - Steel Door Institute |
| • UL | - Underwriters Laboratories |
| • VRPD | - Vertical Rod Panic Device |

HOURLY RATINGS

Steel fire doors are rated by time (hours or minutes) that a door assembly can withstand exposure to fire test conditions. Hourly (minute) ratings are shown below.

Hourly Ratings		Description
Door	Wall	
3 hour (180 minutes)	4 hour	Opening in walls separating buildings or dividing a building into fire areas.
1-1/2 hour (90 minute)	2 hour	Openings in enclosed or vertical communications through buildings. These could be stairwells or elevator shafts.
1 hour (60 minute)	1 hour	Openings in corridors and room partitions dividing building into areas of occupancy. Historically, the 1 hour ratings have been wood door ratings. Steel doors are starting to be used in these openings depending on the AHJ.
3/4 hour (45 minute)	1 hour	Openings in corridors and room partitions.
1-1/2 hour (90 minute)	2 hour	Openings in walls where there is the potential of severe fire exposure from the exterior of the building.
3/4 hour (45 minute)	1 hour	Openings in walls where there is the potential of moderate to light fire exposure from the exterior of the building.
20 minute	1 hour	Openings in corridors where smoke and draft control is required.

FIRE DOOR ASSEMBLIES:

Steelcraft fire rated doors, three sided frames, transom and/or sidelight frames and fire window frames are required to comply with building codes and the local AHJ. This section of the manual has been compiled as an aid to help understand the ratings of the door and frame products and to provide a broad overview of the products Steelcraft offers to meet the increasingly stringent needs of the fire protection community.