

FIRE DOORS – 13 INSPECTION POINTS PER NFPA 80 (2013) 5.2.3.5.2

Swinging fire doors with builders hardware will be inspected to verify the following:

1. Labels are clearly visible and legible.
2. No open holes or breaks exist in surfaces of either the door or frame.
3. Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.
4. The door, frame, hinges, hardware and non-combustible threshold are secured, aligned, and in working order with no visible signs of damage.
5. No parts are missing or broken.
6. Door clearances do not exceed clearances listed in 4.8.4 and 6.3.1.7.
7. The self-closing device is operational; that is, the active door completely closes when operated from the full open position.
8. If a coordinator is installed, the inactive leaf closes before the active leaf.
9. Latching hardware operates and secures the door when it is in the closed position.
10. Auxiliary hardware items, which interfere or prohibit operation, are not installed on the door and frame.
11. No field modifications to the door assembly have been performed that void the label.
12. Meeting edge protection, gasketing and edge seals, where required, are inspected to verify their presence and integrity.
13. Signage affixed to a door meets the requirements listed in 4.1.4.

SMOKE DOORS – 18 INSPECTION POINTS PER NFPA 105 (2016) 5.2.4.4.2

Fire-rated and nonrated door assemblies will be inspected to verify the following:

1. Labels on fire-rated smoke door assemblies are clearly visible and legible and bear the "S" label marking.
2. Door leaves without fire protection ratings comply with 6.3.1.
3. Door frames comply with 6.3.2.
4. Gasketing along the vertical edges of the door and across the top of the door and, where required, at meeting edges of pairs of doors forms a continuous seal that is not cut, notched, or otherwise modified to accommodate other hardware items.
5. Gasketing materials, where required, are intact and close the gaps between the door and frame to seal the door opening against the passage of smoke.
6. Doors installed in pressurized applications have a bottom seal, where required.
7. Doors equipped with bottom seals that automatically project to fully seal the gap under the door in the closed position do not interfere with the swinging of the door when retracted or the closing of the door when projected.
8. No open holes or breaks exist in the surfaces of either the door or the frame.
9. Glazing, vision light frames, and glazing beads are intact and securely fastened in place, if so equipped.
10. Glazing materials and vision light kits comply with Sections 6.5 and 6.6.
11. Glazing materials, vision light kits, and glazing beads are continuously sealed.
12. The door, frame, hinges, and other hardware are secured, aligned, and in working order with no visible signs of damage.
13. No parts are missing or broken.
14. Door clearances do not exceed dimensions listed in the 6.3.3 when measured on the pull side of the door(s).
15. The self-closing device is operational; that is, the active door completely closes when operated from the full open position.
16. If a coordinator is installed, the inactive leaf closes before the active leaf.
17. Where positive latching is required, latching hardware operates and secures the door when the door is in the closed position.
18. Where door leaves, other than doors arranged for automatic closing, are permitted to be held open with friction door holder devices, the door holder devices comply with 6.3.6.6.

EGRESS DOORS – 13 INSPECTION POINTS PER NFPA 101 (2015) 7.2.1.15.6

Fire-rated and nonrated door assemblies will be inspected to verify the following:

1. Floor space on both sides of the openings is clear of obstructions, and door leaves open fully and close freely.
2. Forces required to set door leaves in motion and move to fully open position do not exceed the requirements in 7.2.1.4.5.
3. Latching and locking devices comply with 7.2.1.5.
4. Releasing hardware devices are installed in accordance with 7.2.1.5.10.1.
5. Door leaves of paired openings are installed in accordance with 7.2.1.5.11.
6. Door closers are adjusted properly to control the closing speed of door leaves in accordance with accessibility requirements.
7. Projection of door leaves into the path of egress does not exceed the encroachment permitted by 7.2.1.4.3.
8. Powered door openings operate in accordance with 7.2.1.9.
9. Signage required by 7.2.1.4.1(3), 7.2.1.5.5, 7.2.1.6, and 7.2.1.9 is intact and legible.
10. Door openings with special locking arrangements function in accordance with 7.2.1.6.
11. Security devices that impede egress are not installed on openings, as required by 7.2.1.5.12.
12. Where required by 7.2.2.5.5.7, door hardware marking is present and intact.
13. Emergency lighting on access-controlled egress doors and doors equipped with delayed-egress locking systems is present and functioning in accordance with Section 7.9.

TOP TEN DEFICIENCIES ON SWINGING FIRE DOORS

The following items are the most commonly observed deficiencies found on swinging fire doors with builders hardware:

1. Painted or missing fire door labels.
2. Poor clearance dimensions around the perimeter of the door in the closed position.
3. Kick down door holders.
4. Auxiliary hardware items that interfere with the intended function of the door (barrel bolts and dead bolts, etc.).
5. Fire doors blocked to stay in the open position.
6. Area surrounding the fire door assembly blocked by furniture, equipment and/or boxes.
7. Broken, defective or missing hardware items (latch bolts and/or strike plates, closer arms, cover plates, etc.).
8. Fire exit hardware installed on doors that are not labeled for use with fire exit hardware.
9. Missing or incorrect fasteners.
10. Bottom flush bolts that do not project 1/2" into the strike.

GO TO WWW.DOORSECURITYSAFETY.ORG FOR THE FOLLOWING RESOURCES:

- Watch a video overview of the annual fire door inspection initiative.
- Find out about fire and egress door inspection awareness programs and education opportunities.
- Find a fire and egress door assembly inspector (FDAI) professional in your area.
- Purchase a Guide to Annual Inspections or Field Reference Digest for Inspections.
- Building code adoption by state and code reference library.
- Apply for scholarships for door security and safety-related education.
- Make a contribution to the Foundation to further our advocacy and educational activities.
- Sign-up for complimentary resources and industry information.