STANDARDS UPDATE NOTICE (SUN)
ISSUED: May 30, 2019

STANDARD INFORMATION

Standard Number: NFPA 80
Standard Name: Fire Doors and Other Opening Devices
Standard Edition and Issue Date: 2016 Edition Dated June 15, 2015
Date of Revision: June 15, 2015
Date of Previous Revision of Standard: 2013 Edition Dated June 18, 2012

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 10, 2020**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes:

- Added provisions for drilling raceways for wires when performed at the job site
- Added provisions for fire doors too large to be fire tested
- Added requirements for labelling
- Updates to fire door maintenance procedure
- New provisions for the acceptable testing of fire dampers
- Provisions for actuation devices for fire doors, fire shutters, and fire windows

Specific details of new/revised requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
4	Info	**General Requirements**
4.1	Info	**General Limitations**
4.1.3	Info	**Appurtenances**
4.1.3.2.2		The holes described in 4.1.3.2.1 shall not exceed a diameter of 1 in. (25.4 mm), with the exception of holes for cylinders, unless otherwise permitted by 4.1.3.2.3.
4.1.3.2.3		***New clause added;*** Holes exceeding a diameter of 1 in. (25.4 mm) shall be permitted for surface-applied hardware installed in accordance with the door manufacturer's listing and the hardware manufacturer's listing.
4.1.3.2.4		***New clause added;*** Drilling raceways for wires when performed at the job site shall be in accordance with the door manufacturer's listing and when permitted by the laboratory with which the door is listed.
4.1.3.2.5		***New clause added;*** Where the door manufacturer's listing does not contain provisions for drilling raceways, the raceways shall be considered field modifications in accordance with 5.1.5.1.
4.2	Info	**Listed and Labeled Products**
4.2.1.1		***New clause added;*** At a minimum, the label for fire doors shall contain the following information: (1) The words "fire door." (2) The manufacturer's name or a code that can be traced back to the manufacturer. (3) The marking of a third-party certification agency. (4) The fire protection rating of the door. (5) A unique serial number, if provided by the listing agency. (6) The fire test standard designation to which the assembly was tested. (7)* The temperature transmission rise at 30 minutes. If the temperature transmission rise of a fire door exceeds 650°F (361°C), the temperature rise shall be permitted to be omitted.

CLAUSE	VERDICT	COMMENT
4.2.1.2		***New clause added;*** For swinging doors provided with builders hardware, the minimum latch throw shall also be shown. (See 4.3.3.)
4.2.1.3		***New clause added;*** Where applicable, a statement that no hose stream test was conducted shall be provided.
4.2.1.4		***New clause added;*** The label for fire door frames shall contain the following information: (1) The words “fire door frame” (2) The manufacturer’s company name or a code that can be traced back to the manufacturer (3) The marking of a third-party certification agency (4) The fire protection rating of the frame (5) The fire test standard designation to which it was tested
4.2.1.4.1		***New clause added;*** Fire door frames rated at 3 hours when installed with masonry anchors in masonry walls or rated at 1 1⁄2 hours when provided with wood stud or steel stud anchors and installed in gypsum board walls shall not be required to be provided with a fire protection rating.
4.2.1.4.2		***New clause added;*** In lieu of 4.2.1.4.1, fire door frames shall be marked with the label or embossment of the third-party certification agency and the manufacturer’s name or a code that can be traced back to the manufacturer.
4.2.1.4.3		***New clause added;*** Where applicable, a statement that no hose stream test was conducted shall be provided.
4.2.1.5		***New clause added;*** At a minimum, the label for fire window frames shall contain the following information: (1) The words “fire window frame” (2) The manufacturer’s company name or a code that can be traced back to the manufacturer (3) The marking of a third-party certification agency (4) The fire protection rating (5) The fire test standard designation to which it was tested

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4.2.1.6		***New clause added;*** The label for oversized doors shall contain the following information: (1) The words “oversized fire door” (2) The manufacturer’s company name or a code that can be traced back to the manufacturer (3) The marking of a third-party certification agency (4) The basis of a fire protection rating
4.2.2		***New clause added;*** New fire protection–rated and fire resistance–rated glazing shall be marked in accordance with Table 4.2.2, and such marking shall be permanently affixed.
4.3	Info	**Classifications and Types of Doors**
4.3.9		***New section added;*** **Oversized Doors.**
4.3.9.1		Fire doors that are too large to be fire tested shall be considered oversized fire doors and shall bear a label by an approved agency or shall be provided with a certificate of inspection furnished by an approved testing agency.
4.7		***New clause added;*** **Actuation Devices for Fire Doors, Fire Shutters, and Fire Windows**
4.7.1		***New section added;*** **General.**
4.7.1.1		Actuation devices for the release of fire doors shall be permitted to be part of an overall system that releases the door, such as a fire alarm, water flow alarm, or carbon dioxide release system.
4.7.1.2		Actuation devices and their components shall be installed in accordance with the manufacturers' instructions.
4.7.1.3		When the system or arrangement of detectors for an opening is not considered to be fail-safe, fusible links shall be used to ensure automatic closing of the door in the event of a power failure.
4.7.1.4		Fire doors that incorporate a device that delays activation of an automatic-closing, self-closing, or emergency power operation shall not delay the initiation of the closing or reclosing of the door for more than 10 seconds, unless acceptable to the authority having jurisdiction.

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4.7.1.5		When actuation devices are used in conjunction with material handling systems, such as a conveyor, they shall be arranged in accordance with the following: (1) They shall stop the feed conveyor or otherwise initiate the mechanism that clears the path of the fire door. (2) They shall provide an adequate time delay to clear the opening that shall not exceed 10 seconds. (3) They shall activate the automatic- or self-closing mechanism.
4.7.2		***New clause added;*** Where smoke detectors are used, they shall be located in accordance with NFPA 72.
4.7.3		***New clause added;*** **Heat Detectors.**
4.7.3.1		***New clause added;*** All heat detectors shall be placed as shown in Figure 4.7.3.1(a) and Figure 4.7.3.1(b), but in no event shall detectors be placed in the dead air space shown in Figure 4.7.3.1(a).
4.7.4		***New clause added;*** **Fusible Links.**
4.7.4.1		***New clause added;*** Except as required by 4.7.4.2 and 4.7.4.3, fusible links shall be placed as shown in Figure 4.7.3.1(a).
4.7.4.2		***New clause added;*** Unless otherwise acceptable to the AHJ, fusible links shall be installed on both sides of the wall and interconnected so that the operation of any single fusible link causes the door to close.
4.7.4.4		***New clause added;*** When the system or arrangement of detectors for an opening is not considered to be fail-safe, fusible links shall be used.
4.8	Info	**Supporting Construction**
4.8.1	Info	**Walls**
4.8.1.3		***New clause added;*** Door assemblies shall be used on walls of other construction only where listed for such installation.
4.8.4	Info	**Lintels**

CLAUSE	VERDICT	COMMENT
4.8.4.2		***New clause added;*** Products evaluated for fire doors with a bottom clearance in excess of 3⁄4 in. (19 mm) and listed for use at or under the bottom of the fire door shall be permitted where installed in accordance with their listings.
5	Info	**Inspection, Testing, and Maintenance**
5.1	Info	**General**
5.1.2	Info	**Operability**
5.1.2.3		***New clause added;*** **Prevention of Door Blockage.**
5.1.2.3.1		***New clause added;*** Door openings and their surrounding areas shall be kept clear of anything that could obstruct or interfere with the free operation of the door.
5.1.2.3.2		***New clause added;*** Where necessary, a barrier shall be built to prevent the piling of material against sliding doors.
5.1.2.3.3		***New clause added;*** Blocking or wedging of doors in the open position shall be prohibited.
5.1.4		***New section added;*** **Field Labeling**
5.1.4.1		Field labeling shall be performed only by individuals or companies that have been certified or listed, or by individuals or companies that are representatives of a labeling service that maintains periodic inspections of production of labelled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.
5.1.4.2		Individuals performing the service shall provide proof of qualifications to the authority having jurisdiction prior to performing work, as described in 5.1.4.1.
5.1.4.3		At a minimum, field labels shall contain the following information: (1) The words “field inspected” or "field labeled" (2) The words "fire door" or "fire door frame" (3) The marking of a third-party certification agency (4) The fire protection rating (5) A unique serial number (if provided by the listing agency) (6) The fire test standard designation to which the assembly was tested
5.1.4.4		Field modifications shall not be permitted to be made to a non-fire-rated door assembly to achieve a fire rating unless the field modification is completed under label service.

CLAUSE	VERDICT	COMMENT
5.1.4.5		Doors in which a field modification in accordance with 5.1.4.4 has been completed shall be labeled.
5.1.4.6		When an opening with a non-fire-rated door requires a fire door, the door assembly shall be replaced.
5.5	Info	**Maintenance**
5.5.7		When fastener holes are left in a door or frame due to changes or removal of hardware or plant-ons, the holes shall be repaired by the following methods: (1) Install steel fasteners that completely fill the holes. (2) Fill the screw or bolt holes with the same material as the door or frame. (3) Fill holes with material listed for this use and installed in accordance with the manufacturer's procedures.
5.5.8		***New clause added;*** Holes, other than those as described by 5.5.7, shall be treated as a field modification in accordance with 5.1.4.
5.5.9		***New clause added;*** Upon completion of maintenance work, fire door assemblies shall be inspected and tested in accordance with 5.2.3. A record of these inspections and testing shall be made in accordance with 5.2.2. A record of maintenance performed on existing fire door assemblies shall be provided that includes the following information: (1) Date of maintenance (2) Name of facility (3) Address of facility (4) Name of person(s) performing maintenance (5) Company name and address of maintenance personnel (6) Signature of maintenance personnel performing the work (7) Individual listings of each inspected and tested fire door assembly (8)* Opening identifier and location of each repaired fire door assembly (9)* Type and description of each repaired fire door assembly (10)* Description or listing of the work performed on each fire door assembly
6	Info	**Swinging Doors with Builders Hardware**
6.3	Info	**Openings**
6.3.1	Info	**Doors Frames**
6.3.1.7	Info	**Clearances**
6.3.1.7.1		***New clause added;*** Clearances dimensions between doors and frames and meeting stiles of paired doors shall be measured on the pull side of the assemblies.

CLAUSE	VERDICT	COMMENT
6.3.1.7.3		***New clause added;*** High-pressure decorative laminate (HPDL)-faced doors, 1⁄3-hour-rated flush wood doors, and stile and rail wood doors installed in hollow metal door frames shall not have clearances greater than 1⁄8 in. ± 1⁄16 in. (3.18 mm ± 1.59 mm) between the door and frame and the meeting stiles of paired doors.
6.3.1.7.4		***New clause added;*** HPDL-faced doors, flush wood doors, and stile and rail wood doors with fire ratings greater than 1⁄3 hour shall not have clearances greater than 1⁄8 in. (3.18 mm) between the door and frame, regardless of the door frame construction, and the meeting stiles of paired doors.
6.3.1.7.5		***New clause added;*** Door leaves constructed of other materials shall not have clearances greater than 1⁄8 in. (3.18 mm) between the top and vertical edges of doors and meeting stiles of paired doors, unless otherwise permitted in the door frame, door, and latching hardware manufacturers' published listings.
6.4	Info	**Assembly Components**
6.4.9		***New clause added;*** **Thresholds.** When used, thresholds shall be non-combustible or listed.
14	Info	**Hoistway Doors for Elevators and Dumbwaiters**
14.1	Info	**Doors**
14.1.3		**Mounting of Doors.** Fire door entrances used in elevator hoistways also shall conform to the requirements of ASME A17.1/CSA B44-2010, Safety Code for Elevators and Escalators, including Addenda ASME A17.1a-2005 and Supplement ASME A17.1S-2005.
15	Info	**Chute Doors**
15.1		***New section added;*** **Chute Discharge Doors.**
15.1.1		Operation. Openings in the fire resistance–rated enclosure shall have a fire protection rating as follows: (1) 1 1⁄2-hour fire protection rating for 2-hour fire resistance– rated enclosures (2) 1-hour fire protection rating for 1-hour fire resistance– rated enclosures
15.1.2		The bottom of a waste chute shall be protected by an approved automatic closing or self-closing door or fire damper of construction that is equivalent to the opening fire protection rating for the chute in 15.1.2. [82:6.2.3.2.1]

CLAUSE	VERDICT	COMMENT
15.1.3		The waste chute discharge door shall not be required to have a positive latch. [82:6.2.3.2.2]
15.1.4		The bottom of a linen chute shall be protected by a listed automatic closing or self-closing fire door or fire damper that provides a fire protection rating in accordance with 15.1.2. [82:6.2.3.2.3]
15.1.5		Chute discharge doors or fire dampers shall be permitted to be held open by a fusible link. [82:6.2.3.2.4]
15.2		***New section added;*** **Chute Intake Doors.**
15.2.1		**General Access Gravity Waste Chutes.**
15.2.2		All chute intake doors into a waste chute shall be provided with a self-closing, positive latching and gasketed fire door assembly in accordance with 15.1.2. [82:6.2.3.3.1.1]
15.2.3		The fire door assembly shall be installed in accordance with its listing. [82:6.2.3.3.1.2]
15.2.4		The design and installation shall be such that no part of the frame or door projects into the chute. [82:6.2.3.3.1.3]
15.2.5		The area of each chute intake door shall be limited to one-third of the cross-sectional area of a square chute and 44 percent of the area of a round chute. [82:6.2.3.3.1.4]
15.3		***New section added;*** **Limited-Access Gravity Chutes.**
15.3.1		All chute intake doors into a linen or waste chute shall be provided with a self-closing, positive-latching and gasketed fire door assembly in accordance with 15.1.2. [82:6.2.3.3.2.1]
15.3.2		The fire door assembly shall be installed in accordance with its listing. [82:6.2.3.3.2.2]
15.3.3		The design and installation shall be such that no part of the frame or door projects into the chute. [82:6.2.3.3.2.3]
15.3.4		A lock shall be provided for the chute intake door. [82:6.2.3.3.2.4]
15.3.5		The area of each waste chute intake door shall be limited to two-thirds of the cross-sectional area of the chute. [82:6.2.3.3.2.5]
15.3.6		The area of each linen chute intake door shall not exceed the cross-sectional area of the chute. [82:6.2.3.3.2.6]
15.4		***New section added;*** **Pneumatic Chute Intake Doors.**

CLAUSE	VERDICT	COMMENT
15.4.1		All full vacuum chute intake outer doors shall be provided with a gasketed, self-closing, positive-latching fire door assembly with a fire protection rating of not less than 1 hour. [82:6.3.3.2.1]
15.4.2		The door frame shall be installed onto the station and shall be set flush to the shaft wall. [82:6.3.3.2.2]
15.4.3		The width of the opening shall be permitted to be equivalent to the internal diameter of the chute, and the height shall be a maximum of one and a half times the diameter. [82:6.3.3.2.3]
15.4.4		Minimum door size for a waste or linen loading door shall be 457 mm (18 in.) and shall be side-hinged. [82:6.3.3.2.4]
		CUSTOMERS PLEASE NOTE: This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.