

STANDARD INFORMATION

Standard Number: NFPA 80

Standard Name: Standard for Fire Doors and Other Opening Protectives Edition

Standard Edition and Issue Date: 2019 Edition Dated May 24, 2018

Date of Revision: May 24, 2018

Date of Previous Revision of Standard: June 15, 2015

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **November 30, 2020**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes:

- New provisions for measuring clearance under the bottom of fire doors
- New provisions for job site preparation of fire doors for fire pins
- New requirement addressing bottom clearance with the presence of latching hardware devices
- New section that addresses inspection marks
- updated requirements for the inspection, testing, and maintenance of fire/smoke dampers

Specific details of new/revise 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:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are underlined and deletions are shown lined out below.</i>
4	Info	General Requirements
4.1	Info	General Limitations
4.1.3	Info	Appurtenances
4.1.3.2.4		When performed at the job site, drilling raceways for wires <u>or preparation for fire pins</u> shall be in accordance with the door manufacturer's listing and when permitted by the laboratory with which the door is listed.
4.2	Info	Listed and Labeled Products <i>New clause added;</i>
4.2.4		Where a swinging fire door assembly is installed in a location not requiring a rated opening protective, the label shall be permitted to be removed and the provisions of Chapter 5 shall not apply.
4.8	Info	Supporting Construction
4.8.4	Info	Clearance <i>New clause added;</i>
4.8.4.2		Clearance under the bottom of the door shall be measured vertically from the bottom of the door to the top of the finished floor or threshold. <i>New clause added;</i>
4.8.4.2.1		Where latching hardware devices project from the bottom of the door, the maximum clearance dimension under the door shall be in accordance with the hardware manufacturer's installation instructions not to exceed 3/4 in. (19 mm). <i>New clause added;</i>
4.8.4.2.2		Where a threshold is installed under a fire door, the clearance shall be in accordance with the hardware manufacturer's installation instructions and listing.
5	Info	Inspection, Testing, and Maintenance
5.2	Info	Inspection and Testing
5.2.3	Info	Acceptance Testing
5.2.3.5	Info	Swinging Doors with Builders Hardware or Fire Door Hardware



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
5.2.3.5.3		Inspection Mark. Upon completion of inspection, an inspection mark shall be permitted to be applied to the assembly.
6	Info	Openings
6.4	Info	Assembly Components
6.4.1	Info	Closing Devices
		<i>New clause added;</i>
6.4.1.5		Spring hinges shall be adjusted to achieve positive latching when the door is allowed to close freely from an open position of no more than 30 degrees.
19	Info	Installation, Testing, and Maintenance of Fire Dampers
19.2	Info	Installation
		<i>New clause added;</i>
19.2.2		For new damper installations, the damper manufacturer's installation and maintenance instructions shall be maintained on site.
19.4	Info	Acceptance Testing
		<i>New section added;</i>
19.4.3		Actuated Damper
19.4.3.1		Acceptance testing of dampers designed to close via an electric or pneumatic actuator shall be conducted by removing electrical power or air pressure from the actuator and ensuring that the damper closes properly.
19.4.3.2		Electrical power or air pressure shall then be reapplied to the damper to confirm that it returns to its full-open position.
		<i>New section added;</i>
19.4.4		Nonactuated Damper
19.4.4.1		Acceptance testing of dampers designed to close via a spring(s) or by gravity shall be conducted by removing the fusible link and confirming that the damper closes properly.
19.4.4.2		The damper shall then be manually reset to its full-open position and the fusible link shall be reinstalled.
19.5	Info	Periodic Testing
9.5.1	Info	Testing Frequency



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
19.5.1.3		In existing, fully ducted HVAC systems, periodic testing shall not be required for a single damper that is not accessible within a rated barrier or shaft.
		<i>New clause added;</i>
19.5.1.4		Position indication functionality shall be permitted to be added to an existing damper not originally designed with position indication provided that the accuracy of the open and closed indication method is confirmed as required by 19.5.2.3.3.1(C). Any field modifications made to the damper shall be installed per the manufacturer's installation instructions for retrofitted equipment.
19.5.2	Info	Test Method
19.5.2.3	Info	Periodic Testing for Dampers That Do Not Use a Fusible Link to Operate
		<i>New section added;</i>
19.5.2.3.2		Visual Inspection Method
19.5.2.3.2.1		Visually confirm that the damper is in the full-open or full-closed position as required by the system design.
19.5.2.3.2.2		Command and visually confirm the damper to the full-closed or full-open position.
19.5.2.3.2.3		Restore and visually confirm the damper to the original operating position as required by the system design.
		<i>New section added;</i>
19.5.2.3.3		Remote Inspection Method
		General
19.5.2.3.3.1		(A) A damper with remote inspection capability shall positively indicate when the damper is fully open and fully closed. (B) The initial remote inspection shall include a visual inspection of the damper in accordance with 19.5.2.3.2. (C) The visual inspection shall confirm that the position indication method accurately reflects the full-open and full-closed position of the damper.



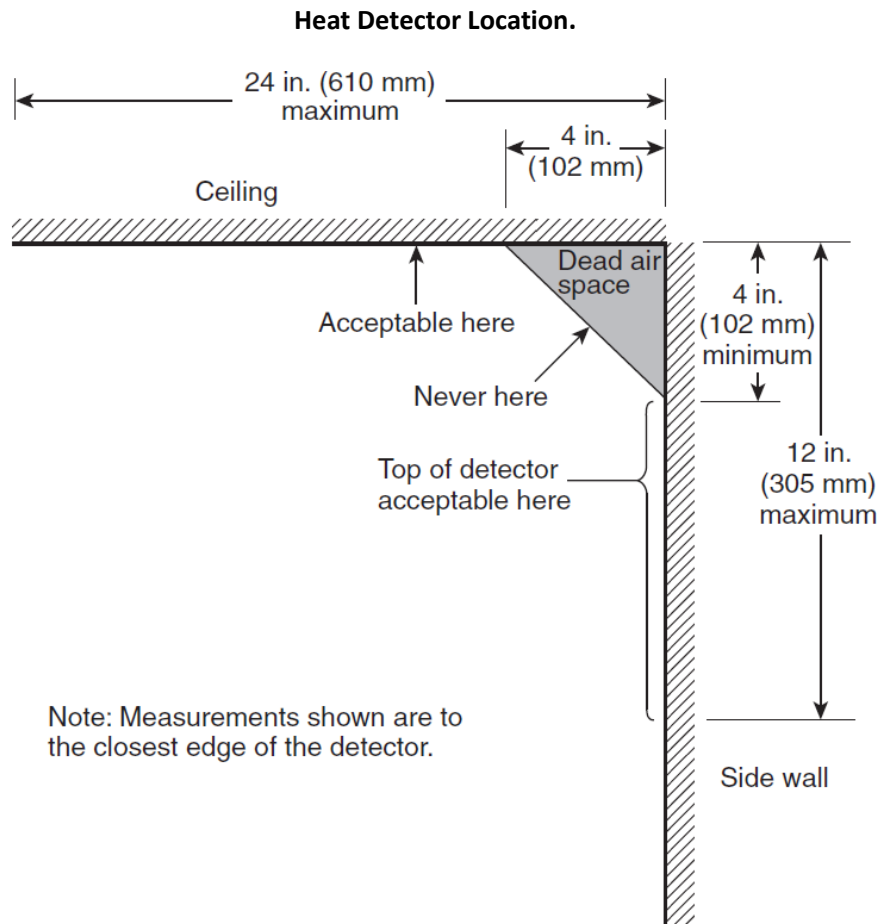
CLAUSE	VERDICT	COMMENT
		Test Procedure
19.5.2.3.3.2		(A) A signal from the damper’s position indication device shall confirm that the damper is in the full-open or full-closed position as required by the system design. (B) The damper shall be commanded and confirmed to the full-closed or full-open position. (C) The damper shall be confirmed to the original operating position as required by the system design. (D) If the remote inspection fails to comply with 19.5.2.3.3.2(A) through 19.5.2.3.3.2(C), a visual inspection shall be performed in accordance with 19.5.2.3.2.
19.7		<i>New section added;</i>
		Field Modifications
19.7.1		Any field modification made to the damper shall be in accordance with the damper manufacturer’s installation instructions and listing.
19.7.2		Where the field modification includes adding the capability for remote inspection, the position indicator devices and monitoring equipment shall be tested for functionality.
20	Info	Fabric Fire Safety Curtains
20.7	Info	Operation of the Fire Safety Curtain Assembly
20.7.3	Info	Emergency Operation
20.7.3.2		The rate-of-rise heat detection as required in 20.7.3.1 shall be ultra-fast rate-of-rise provided at the ceiling near the stage side of the proscenium wall, installed in accordance with the prescriptive or performance based requirements of NFPA 72 in accordance with FM 3210, Heat Detectors for Automatic Fire Alarm Signaling, provided at the roof deck or at the ceiling, if provided, on the stage side of the proscenium wall in accordance with Figure 20.7.3.2.



CLAUSE	VERDICT	COMMENT
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New figure added;

Figure 20.7.3.2



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.