



Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barriers¹

This standard is issued under the fixed designation E2393; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice covers the establishment of procedures to inspect fire resistive joint systems, including methods for field verification and inspection.

1.2 This practice addresses all types of fire resistive joint systems and of perimeter joint protection.

NOTE 1—Fire resistive joint system and joint are defined in Test Method [E1966](#) and UL 2079.

NOTE 2—Perimeter joint protection is defined in Test Method [E2307](#).

NOTE 3—Fire resistive joint systems include joints between two fire resistive assemblies, and perimeter joints between a fire resistive floor assembly and a non-fire-resistive wall assembly. The application of these systems are sometimes extended based on an evaluation to other types of construction.

1.3 This practice provides methods by which qualified inspectors verify that required fire resistive joint systems on a project have been installed and that their installations are in accordance with the inspection documents.

1.4 The values stated in inch-pound units are to be regarded as standard. No other units of measurement are included in this standard.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

1.6 *The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.*

2. Referenced Documents

2.1 ASTM Standards:²

[E176](#) Terminology of Fire Standards

¹ This practice is under the jurisdiction of ASTM Committee [E06](#) on Performance of Buildings and is the direct responsibility of Subcommittee [E06.21](#) on Serviceability.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[E631](#) Terminology of Building Constructions

[E699](#) Practice for Evaluation of Agencies Involved in Testing, Quality Assurance, and Evaluating of Building Components

[E1966](#) Test Method for Fire-Resistive Joint Systems

[E2307](#) Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus

2.2 *UL Standard*.³

[UL 2079](#) Fire Tests of Fire Resistive Joints

2.3 *Other Documents:*

[International Building Code](#)⁴

[NFPA 5000 Building Code](#)⁵

3. Terminology

3.1 *Definitions*—Terms defined in Terminology [E631](#), Terminology [E176](#), and Practice [E699](#) will prevail for terms not defined in this document.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *accredited testing laboratory*—a company engaged in conducting testing and possesses a valid evaluation report for testing services and is recognized by the AHJ.

3.2.2 *authority having jurisdiction (AHJ)*—the designated authority, or their duly authorized representative, charged with the administration and enforcement of the local fire code or building code, or both.

3.2.3 *authorizing authority (AA)*—the designated person, or organization, or their duly authorized representative, charged with the administration and enforcement of the provisions of this inspection document.

3.2.3.1 *Discussion*—Examples of the AA include the responsible Architect, Engineer, Building Owner, or their representatives.

3.2.4 *evaluation report*—an approved document issued by the Model Code Body Evaluation Service or by the AHJ.

³ Available from Underwriters Laboratories (UL), 333 Pfingsten Rd., Northbrook, IL 60062-2096, <http://www.ul.com>.

⁴ Available from International Code Council (ICC), 500 New Jersey Ave., NW, 6th Floor, Washington, DC 20001, <http://www.iccsafe.org>.

⁵ Available from National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, MA 02169-7471, <http://www.nfpa.org>.