



Designation: E575 – 05 (Reapproved 2018)

Standard Practice for Reporting Data from Structural Tests of Building Constructions, Elements, Connections, and Assemblies¹

This standard is issued under the fixed designation E575; 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 general use in reporting structural performance tests of building constructions, elements, connections, and assemblies. A comprehensive report describing the conditions under which the structural data were recorded will enable other workers to reproduce the test methods and, as nearly as possible, the results for each material or assembly, and to reconcile differences that might be found in tests by others.

1.2 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

E631 Terminology of Building Constructions

3. Terminology

3.1 For definitions of terms used in this practice, see Terminology E631.

4. Significance and Use

4.1 This practice provides a standard procedure for reporting data and results of structural tests used for building

¹ This practice is under the jurisdiction of ASTM Committee E06 on Performance of Buildings and is the direct responsibility of Subcommittee E06.11 on Horizontal and Vertical Structures/Structural Performance of Completed Structures.

Current edition approved July 1, 2018. Published July 2018. Originally approved in 1976. Last previous edition approved in 2011 as E575 – 05(2011). DOI: 10.1520/E0575-05R18.

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.

constructions, elements, connections, and assemblies. It enumerates and discusses the report sections required to report data from test methods and practices. The written reports will describe the products tested, method of testing, and results.

5. Organization of Report

5.1 Generally, a report shall contain the following parts in the sequence listed:

- 5.1.1 Title page with byline,
- 5.1.2 Object statement,
- 5.1.3 Descriptions of specimen(s) and apparatus,
- 5.1.4 Procedure statement,
- 5.1.5 Discussion of test results,
- 5.1.6 Conclusion,
- 5.1.7 Recommendations,
- 5.1.8 References,
- 5.1.9 Pictures,
- 5.1.10 Tabulations,
- 5.1.11 Calculations, and
- 5.1.12 Supplementary data.

5.2 Use the headings listed that are appropriate. Use other more appropriate headings if they better describe the content.

5.3 When the expected readership includes both experts and laymen, an early insertion in nontechnical language of the necessary background, data summary, and results is useful.

6. Documented Information

6.1 A report shall include the following information, but not necessarily in the order listed:

- 6.1.1 *Title*—A title shall be brief but definitive.
- 6.1.2 *Author*—One first name and surname and any professional registration shall be included in a byline for positive identification.
- 6.1.3 Date of test and date of report.
- 6.1.4 Test agency, sponsor, and their mailing addresses.
- 6.1.5 *Specimen Selection and Identification*—Indicate the number of specimens, method of choosing them, and whether they were specially fabricated for this test, prototypes of planned production, randomly selected production units, and so forth. If specimens were obtained from routine production, include the manufacturer's name, source of supply, specimen