



Designation: E575 – 05

# Standard Practice for Reporting Data from Structural Tests of Building Constructions, Elements, Connections, and Assemblies<sup>1</sup>

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 ( $\epsilon$ ) 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 and health practices and determine the applicability of regulatory limitations prior to use.*

## 2. Referenced Documents

2.1 *ASTM Standards:*

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 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 dimensions, model, type, materials, and other pertinent information such as quality, conditioning, and treatment, including data on assembly techniques and fastenings.

6.1.6 *Specimen Drawings*—Drawings shall provide a description of the physical characteristics and dimensioned section profiles and any other pertinent construction details. This requirement may be waived if an existing description is easily available and is included by reference. Any modification made to the specimen to obtain a measurement or reading shall be

<sup>1</sup> 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 Oct. 1, 2005. Published October 2005. Originally approved in 1976. Last previous edition approved in 1999 as E575 – 99. DOI: 10.1520/E0575-05.