



# Standard Practice for Selection, Removal, and Shipment of Manufactured Masonry Units Placed in Usage<sup>1</sup>

This standard is issued under the fixed designation C 1420; 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 procedures to facilitate the process of selecting, removing, and shipping of manufactured masonry units that have been placed in usage and are intended for testing. This practice also covers procedures for reporting as part of this process.

1.2 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are provided for information purposes only.

1.3 *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:*<sup>2</sup>

**C 43** Terminology of Structural Clay Products

**C 1180** Terminology of Mortar and Grout for Unit Masonry

**C 1209** Terminology of Concrete Masonry Units and Related Units

**C 1232** Terminology of Masonry

**C 1532** Practice for Selection, Removal, and Shipment of Masonry Assemblage Specimens from Existing Construction

**E 122** Practice for Choice of Sample Size to Estimate a Measure of Quality for a Lot or Process

## 3. Terminology

3.1 *Definitions:*

3.1.1 *units placed in usage*—manufactured masonry units that have been installed in a masonry assembly.

3.1.2 For definitions of other terms used in this practice, refer to Terminologies **C 43**, **C 1180**, **C 1209**, and **C 1232**.

<sup>1</sup> This practice is under the jurisdiction of ASTM Committee C15 on Manufactured Masonry Units and is the direct responsibility of Subcommittee C15.04 on Research.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For Annual Book of ASTM Standards volume information, refer to the standard's Document Summary page on the ASTM website.

## 4. Significance and Use

4.1 Manufactured masonry units that have been placed in usage are sometimes removed as part of an assessment of the condition of the units. Such units are commonly prepared for shipment to a laboratory where the specimens are assessed with visual techniques, petrographic techniques, or standard test methods. The process of selecting, removing, and shipping the specimens can have an effect on test results. This practice provides procedures for selecting, removing, and shipping units.

4.2 This practice also covers reporting of the selection, removal, and shipping processes. This information allows the interested parties to assess the impact of these processes on test results.

4.3 This practice does not define the use of the results of tests conducted on removed specimens. This practice does not determine whether manufactured masonry units placed in usage met specification requirements at the time of purchase.

4.4 If masonry assemblages are to be removed from existing construction, refer to Practice **C 1532**.

## 5. Selection and Removal

5.1 *Selection of Test Specimens:*

NOTE 1—When specimens placed in usage are to be removed for testing in accordance with test methods that include requirements for sampling and selection of specimens, those requirements shall be replaced with **5.1** of this practice.

5.1.1 *Visual Assessment*—Prior to selecting specimens for removal, perform a visual survey of the exposed surface to assess the condition of the units.

5.1.1.1 Record observations from the visual survey on drawings that represent the appearance of the masonry construction. Include sample locations identified in 5.2.

NOTE 2—The use of original construction drawings or drawing sheets prepared for this purpose has been found to be useful for documenting the conditions of masonry construction.

5.1.1.2 Conduct the visual assessment either over the entire construction or on a representative sample of the entire construction.

\*A Summary of Changes section appears at the end of this standard.