THE BRICK INDUSTRY ASSOCIATION

TECHNICAL NOTES on Brick Construction

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Index

July 2026

Subject Index

Technical Notes on Brick Construction is a series of bulletins that contain design, detailing and construction information based on the latest technical developments in brick masonry. Drawings, photographs, tables and charts illustrate appropriate topics.

Technical Notes on Brick Construction are recommendations on the use of fired clay brick. They are explicitly written for fired clay brick manufactured:

1) from clay, shale or similar naturally occurring earthy substances; and
2) with a firing process that creates a fired bond between the particles of the brick.

The properties of fired clay brick and the clay brick masonry made from them were used to establish the recommendations in these *Technical Notes*. Using these recommendations with other products that are not manufactured as outlined above may not result in the same performance associated with fired clay brick masonry. Further, use of these *Technical Notes* for the design, installation and maintenance of construction built with other products may in fact be detrimental to those products and the building on which they are installed. Thus, BIA does not advise the use of these recommendations with other products including but not limited to those claiming to be similar to fired clay brick products such as "fly ash" brick, concrete brick and other unfired or non-clay brick.

Individual copies are available to view and download free of charge from BIA's website at www.gobrick.com.

To view or download *Technical Notes*, go to the BIA website at www.gobrick.com and select *Technical Notes*.

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(since December 2005)

1	June 2018
2	February 2026
3A	June 2024
3C	July 2026
4	January 2016
4A	June 2016
6	March 2025
6A	August 2008
7	November 2017
7A	November 2017
7B	November 2017
8	March 2020
8B	March 2020
9	December 2006
9A	October 2007
10 (replaces 10, 10A & 10B)	February 2009
13	June 2017
14	May 2017
14A	May 2017
14B	June 2010
14C	July 2011
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16 (replaces 16 & 16B)	March 2008
18	May 2019
18A	May 2019
20	August 2018
23	June 2019
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28	November 2012
28A	March 2020
28B	April 2025
28C	April 2014
28D (replaces 21, 21A, 21B & 21C)	June 2018
41	January 2008
46 (replaces 7F)	December 2017
47 (replaces 7C & 7D)	June 2006
48	January 2026

Numerical Index

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Technical Notes are revised to include new technical information. The issue date of a current *Technical Note* is shown between brackets [ ]. Current editions supersede earlier editions. The designation **Reissued** indicates that the edition of the *Technical Note* shown in brackets [ ] has been thoroughly reviewed and found to be technically accurate. The reissued date appears in parentheses ( ). Missing numbers have been discontinued.

1 [June 2018] Hot and Cold Weather Construction

2 [Feb. 2026] Terminology for Brick Masonry

3 [July 2002] Overview of Building Code Requirements for Masonry Structures ACI 530-02/ASCE 5-02/TMS 402-02 and Specifications for Masonry Structures ACI 530.1-02/ASCE 6-02/TMS 602-02

3A [June 2024] Brick Masonry Material Properties

3B [May 1993] Brick Masonry Section Properties

3C [July 2026] 2022 TMS 402/602 Building Code and Specification – Anchored Veneer

4 [Jan. 2016] Introduction to Energy Performance of Brick Masonry

4A [June 2016] Residential Energy Code Compliance

4B [Feb. 2002] Energy Code Compliance of Brick Masonry Walls

5A [June 1970] (Reissued Aug. 2000) Sound Insulation – Clay Masonry Walls

6 [March 2025] Changing the Appearance of Brick Masonry

6A [Aug. 2008] Colorless Coatings for Brick Masonry

7 [Nov. 2017] Water Penetration Resistance – Design and Detailing

7A [Nov. 2017] Water Penetration Resistance – Materials

7B [Nov. 2017] Water Penetration Resistance – Construction and Workmanship

8 [March 2020] Mortars for Brickwork

8B [March 2020] Mortars for Brickwork – Selection and Quality Assurance

9 [Dec. 2006] Manufacturing of Brick

9A [Oct. 2007] Specifications for and Classification of Brick

9B [Dec. 2003] Manufacturing, Classification and Selection of Brick – Selection, Part III

10 [Feb. 2009] Dimensioning and Estimating Brick Masonry

11 [Dec. 1971] (Reissued Aug. 2001) Guide Specifications for Brick Masonry, Part I

11A [June 1978] (Reissued Sept. 1988) Guide Specifications for Brick Masonry, Part II

11B [Feb. 1972] (Reissued Sept. 1988) Guide Specifications for Brick Masonry, Part III

11C [July 1972] (Reissued May 1998) Guide Specifications for Brick Masonry, Part IV

11D [Aug. 1972] (Reissued Sept. 1988) Guide Specifications for Brick Masonry, Part IV Continued

11E [Sept. 1991] Guide Specifications for Brick Masonry, Part V, Mortar and Grout

13 [June 2017] Ceramic Glazed Brick Exterior Walls

14 [May 2017] Paving Systems Using Clay Pavers

14A [May 2017] Paving Systems Using Clay Pavers on a Sand Setting Bed

14B [June 2010] Paving Systems Using Clay Pavers on a Bituminous Setting Bed

14C [July 2011] Paving Systems Using Clay Pavers in a Mortar Setting Bed

14D [Feb. 2012] Permeable Clay Brick Pavements

14E [July 2012] Accessible Clay Brick Pavements

15 [May 1988] Salvaged Brick

16 [March 2008] Fire Resistance of Brick Masonry

18 [May 2019] Volume Changes – Analysis and Effects of Movement

18A [May 2019] Accommodating Expansion of Brickwork

19 [Jan. 1993] Residential Fireplace Design

19A [May 1980] (Reissued Aug. 2000) Residential Fireplaces, Details and Construction

19B [June 1980] (Reissued April 1998) Residential Chimneys – Design and Construction

19C [Oct. 2001] Contemporary Brick Masonry Fireplaces

19D [Jan. 1983] (Reissued June 1987) Brick Masonry Fireplaces, Part I, Russian-Style Heaters

19E [1983] (Reissued Feb. 1998) Brick Masonry Fireplaces, Part II Fountain and Contemporary Style Heaters

20 [Aug. 2018] Cleaning Brickwork

23 [June 2019] Stains – Identification and Prevention

23A [June 2019] Efflorescence – Causes and Prevention

26 [Sept. 1994] Single Wythe Bearing Walls

27 [Aug. 1994] Brick Masonry Rain Screen Walls

28 [Nov. 2012] Anchored Brick Veneer/Wood Stud Walls

28A [March 2020] Adding Brick Veneer to Existing Construction

28B [April 2025] Brick Veneer/Cold-Formed Steel Framed Walls

28C [April 2014] Thin Brick Veneer

28D [June 2018] Brick Veneer/Concrete Masonry Walls

29 [July 1994] Brick in Landscape Architecture – Pedestrian Applications

29A [Nov. 1968] (Reissued Jan. 1999) Brick in Landscape Architecture – Garden Walls

29B [April 1967] (Reissued May 1988) Brick in Landscape Architecture – Miscellaneous Applications

30 [March 1999] Bonds and Patterns in Brickwork

31 [Jan. 1995] Brick Masonry Arches

31A [Oct. 1967] (Reissued July 1986) Structural Design of Brick Masonry Arches

31B [Nov./Dec. 1981] (Reissued May 1987) Structural Steel Lintels

31C [Feb. 1971] (Reissued Aug. 1986) Structural Design of Semicircular Brick Masonry Arches

36 [July/Aug. 1981] (Reissued Jan. 1988) Brick Masonry Details, Sills and Soffit

36A [Sept./Oct. 1981] (Reissued Feb. 2001) Brick Masonry Details, Caps and Copings, Corbels and Racking

40 [Aug. 2001] Prefabricated Brick Masonry – Introduction

41 [Jan. 2008] Hollow Brick Masonry

42 [Nov. 1991] Empirical Design of Brick Masonry

44 [April 1986] Anchor Bolts for Brick Masonry

44B [May 2003] Wall Ties for Brick Masonry

46 [Dec. 2017] Maintenance of Brick Masonry

47 [June 2006] Condensation – Prevention and Control

48 [Jan. 2026] Using Brick in Sustainable and Resilient Designs