

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. They are available individually or as a set. Registered purchasers of a complete set will receive notification of new or revised editions via email.

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

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Technical Notes on Brick Construction are recommendations explicitly written for the design, installation and maintenance of masonry using fired clay brick. 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.

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 [Jan./Feb. 1975] (Reissued March 1999) Glossary of Terms Relating to 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
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
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15 [May 1988] Salvaged Brick
16 [March 2008] Fire Resistance of Brick Masonry
18 [May 2019] Volume Changes – Analysis and Effects of Movement
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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
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26 [Sept. 1994] Single Wythe Bearing Walls
27 [Aug. 1994] Brick Masonry Rain Screen Walls
28 [Nov. 2012] Anchored Brick Veneer/Wood Stud Walls
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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