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Designing for material efficiency in building projects –

Part 3: Code of practice for technical design

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Contents

Summary of pages
This document comprises a front cover, and inside front cover, pages i to ii, pages 1 to 20, an inside back cover and a back cover.

Foreword

Publishing information

This document is published by BSI Standards Limited, under license from The British Standards Institution, and came into effect on 30 November 2019. It was prepared by Technical Committee B/209, *General Building Codes*. A list of organizations represented on this committee can be obtained on request to its secretary.

Relationship with other publications

BS 8895 comprises the following parts:

- Part 1: *Code of practice for strategic definition and preparation and brief;*
- Part 2: *Code of practice for concept and developed design;*
- Part 3: *Code of practice for technical design*; and
- Part 4: *Code of practice for operation, refurbishment and end of life*[1].

Information about this document

This document gives recommendations for designing for material efficiency that are accepted as good practice by industry leaders and practitioners, and brings together the results of practical experience and acquired knowledge for ease of access and use of the information.

This code of practice sets out the process for the integration of designing for material efficiency into the RIBA Plan of Work 2013, Stage 4 (technical design) [N1]. It is the third part in a multi-part suite of British Standards that address specific and inter-related issues and processes of material efficiency in building projects in line with the RIBA Plan of Work 2013 [N1].

Use of this document

As a code of practice, this British Standard takes the form of guidance and recommendations. It should not be quoted as if it was a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this British Standard is expected to be able to justify any course of action that deviates from its recommendations.

Presentational conventions

The provisions in this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

1 To be developed.

0 Introduction

The objective of the BS 8895 series is to encourage material resource efficiency by:

a) reducing the use of virgin material;

b) waste prevention through designing out waste;

c) diverting material from landfill; and

d) encouraging more consideration of recycled material, reuse of material and recyclability.

The case for material efficiency is made in BS 8895-1, which covers "Stage 0 Strategic Definition" and "Stage 1 Preparation and Brief" of the RIBA Plan of Work 2013 [N1]. Opportunities and solutions for material efficiency during "Stage 2 Concept Design" and "Stage 3 Developed Design" are recommended in BS 8895-2.

The overarching aim of this Part of BS 8895 is to prepare and coordinate material efficiency technical design information during the RIBA Plan of Work 2013, Stage 4. This encompasses specification, detailing and coordination and includes architectural, structural and building services information, consultants and specialist subcontractors' design and specifications, in accordance with design responsibility matrix, design programme, project strategies and construction strategy.

1 Scope

This part of BS 8895 gives recommendations for the implementation of actions and outcomes from the developed design investigations in BS 8895-2, on optimizing material efficiency in production information, such as information models, detailed drawings and material specification and coordination of technical design work undertaken by architects; structural and building services engineers; consultants; and specialist sub-contractors and/or suppliers, as appropriate.

This part of BS 8895 also gives recommendations for the integration of designing for material efficiency into RIBA Plan of Work 2013, Stage 4 (Technical Design) [N1]. It provides guidance and case studies on how to implement material efficiency after the completion of the RIBA Plan of Work 2013, Stage 3 (Developed Design) [N1].

This part of BS 8895 is intended to be used by the design team when preparing technical design information that includes proposals for material efficiency.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies.[2] For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 8895-1, *Designing for material efficiency in building projects – Part 1: Code of practice for strategic definition and preparation and brief*

BS 8895-2, *Designing for material efficiency in building projects – Part 2: Code of practice for concept design and developed design*

[N1] ROYAL INSTITUTE OF BRITISH ARCHITECTS. *RIBA Plan of Work 2013*. [Available at: https://www.ribaplanofwork.com]

2 Documents that are referred to solely in an informative manner are listed in the Bibliography.

