

HEALTH TECHNICAL MEMORANDUM 54

Building Component Series User Manual

2005

STATUS IN WALES

APPLIES

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HTM 54 Building Component Series
User Manual
1989



HTM 54 User manual

HTM BUILDING COMPONENTS SERIES



HTM 54 User manual

HTM BUILDING COMPONENTS SERIES

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1 Explanation of amendments

1.1 In January 2005, NHS Estates revised all documents in the HTM building component series (all except HTM 71: ‘Materials management modular storage’ which will be fully revised at a later date).

1.2 In general, the references have been updated in all the HTMs and the text revised to make it current; excessive detail has been eliminated and more emphasis placed on healthcare-specific issues.

1.3 HTM 70 – ‘Fixings’ has been withdrawn from the current list of building components and archived, as it was felt that the content was too general and not specific enough to healthcare projects. Guidance on the selection of fixings can be found in the relevant building component HTMs.

2 Introduction

GENERAL

2.1 This Health Technical Memorandum provides an introduction to a series of HTMs covering building components widely used in health buildings.

2.2 As mentioned in [paragraph 1.1](#), these HTMs were prepared for publication in January 2005. After this date, readers should ensure that they use the latest or new edition of all building legislation, British Standards etc, which may post-date the publication of these documents.

2.3 The building components to be included in the current series of Health Technical Memoranda are:

- 54 User manual
- 55 Windows
- 56 Partitions
- 57 Internal glazing
- 58 Internal doorsets
- 59 Ironmongery
- 60 Ceilings
- 61 Flooring
- 62 Demountable storage system
- 63 Fitted storage system
- 64 Sanitary assemblies
- 66 Cubicle curtain track
- 67 Laboratory fitting out systems
- 68 Duct and panel assemblies
- 69 Protection
- 71 Materials management modular storage.

2.4 Additional HTMs in this series may be published as the need arises.

2.5 These HTMs contain information and guidance gained from experience of components in use;

developments in components; and introduction of new components; guidance on other building components, materials, construction, technology where health building has specific requirements; relevant changes in British Standards, and other miscellaneous matters relating to building components. Excluded from these HTMs are any matters relating to external works or specific structural components.

2.6 The content of the HTMs has been prepared as a result of many years' collaboration between professional staff of several disciplines within the National Health Service and Department of Health, commissionees from private practice, manufacturers, trade associations and testing organisations. This collaboration is continuing to consider current and future developments.

2.7 Components in production and prototypes have been tested and the results incorporated in the data.

2.8 HTMs are published by The Stationery Office (<http://www.tso.co.uk>).

STATUS

2.9 All information given in HTMs is guidance. It is recommended that the guidance be followed if the building components are to provide a satisfactory level of service in a health building.

2.10 No information given affects the responsibility of the design team for the design, specification, and selection of components to meet the requirements of the project. It is important that specifiers satisfy themselves that selected components meet the recommended standards.

2.11 Wherever possible, users should give preference throughout all HTMs to products and services from sources which have been registered under BSI Quality Assurance procedures under BS 5750, or other equivalent certification procedures.

FORMAT OF HEALTH TECHNICAL MEMORANDA

2.12 Each HTM is similar in format and structure, and generally follows the sequence below:

Introduction

2.13 This section provides an introduction to the HTM and to the particular component. The relationship to other data and components is described, and an advisory note on the status of the documents and terminology used is included.

Design and specification guidance

2.14 The general principles and benefits of the particular component or system are explained, together with data on the main dimensions.

2.15 Each component is described and, where practical, illustrated by dimensioned drawings. Details of the performance of the components and/or systems are listed.

2.16 The integration of the component or system with other building and or engineering elements is explained, and detailed information is included on the application of the component or system.

Specifications

2.17 Some HTMs contain a model specification which may be used as the basis for project specifications or obtaining tenders.

2.18 Where relevant, examples of suitable schedules or other documents are suggested. Contract and design responsibilities are advised.

2.19 Some of the HTMs already include a typical specification clause. It is planned that future supplementary information will include additional typical specification clauses. Designers must ensure that all components are fully detailed and measured in the bills of quantities. Reference to the HTM alone is not sufficient.

2.20 In some cases, the HTMs are supported by appendices detailing tests, supplementary design and/or specification data etc. References setting out relevant Acts and regulations, British Standards, Codes of Practice (current at the time the HTM was prepared), Building Research Establishment and Trade Association data and DH references complete the HTM.

FURTHER QUERIES

2.21 Any enquiries regarding the technical content of these HTMs should be e-mailed to nhsestates@dh.gsi.gov.uk

About our guidance and publications

The Agency has a dynamic fund of knowledge which it has acquired over 40 years of working in the field. Our unique access to estates and facilities data, policy and information is shared in guidance delivered in four principal areas:

Design & Building

These documents look at the issues involved in planning, briefing and designing facilities that reflect the latest developments and policy around service delivery. They provide current thinking on the best use of space, design and functionality for specific clinical services or non-clinical activity areas. They may contain schedules of accommodation. Guidance published under the headings Health Building Notes (HBNs) and Design Guides are found in this category.

Examples include:

HBN 22, Accident and emergency facilities for adults and children
HBN 57, Facilities for critical care
HFN 30, Infection control in the built environment: design and planning

Engineering & Operational (including Facilities Management, Fire, Health & Safety and Environment)

These documents provide guidance on the design, installation and running of specialised building service systems and also policy guidance and instruction on Fire, Health & Safety and Environment issues. Health Technical Memoranda (HTMs) and Health Guidance Notes (HGNs) are included in this category.

Examples include:

HTM 2007, Electrical services supply and distribution
HTM 2021, Electrical safety code for high voltage systems
HTM 2022 Supplement 1
Sustainable development in the NHS

Procurement & Property

These are documents which deal with areas of broad strategic concern and planning issues, including capital and procurement.

Examples of titles published under this heading are:

Estatecode
How to cost a hospital
Developing an estate strategy

NHS Estates Policy Initiatives

In response to some of the key tasks of the Modernisation Agenda, NHS Estates has implemented, project-managed and monitored several programmes for reform to improve the overall patient experience. These publications document the project outcomes and share best practice and data with the field.

Examples include:

Modernising A & E Environments
Improving the Patient Experience – Friendly healthcare environments for children and young people
Improving the Patient Experience – Welcoming entrances and reception areas
National standards of cleanliness for the NHS
NHS Menu and Recipe Books

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.....

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.....

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About right?

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