



BR 1615
May 1991
Issue 'D'

DRAFT

Specification for Relocatable Equipment Buildings for S&T use

British Railways Board

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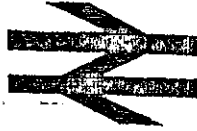
Amendments

Amd. No.	Date	Text Affected

British Railways Board

SPECIFICATION NO. 1615

MAY, 1991



BRITISH RAILWAYS BOARD

SPECIFICATION NO. 1615

RELOCATABLE EQUIPMENT BUILDINGS

FOR S. & T. USE

1.

Issue 'D'



SPECIFICATION NO. 1615

RELOCATABLE EQUIPMENT BUILDINGS

FOR S. & T. USE

(i) FOREWORD

This specification supersedes all previous issues and is issued by the British Rail, Director of S. & T. Engineering, Materials Management Group, Room 1103, Rail House, Gresty Road, Crewe, CW2 6EA; from whom further copies may be obtained.

Technical queries shall be referred to the above address. For telephone enquiries the numbers are:-

BT (STD) 0270-532494
BR (STD) 0270-532345 FAX
BR (ETD) 05-32494
BR (ETD) 05-32345 FAX

(ii) **CHANGES**

No.	Reasons for Change	Issue	Date
	Draft raised	A	March 1986
	Comments from RS & TE and BR HQ Outbase Engineers	B	Sept. 1988
	Comments from RS & TE/ AS & TE/DS & TE, addition of Air Cooling and Stainless Steel racking.	C	Nov. 1990
	Comments from Building Engineering Services, York Engineering Services York on Electrical design and Energy Controls	D	May, 1991

3.

Issue 'D'

<u>PARA.</u>	<u>TITLE</u>	<u>PAGE</u>
(i)	FOREWORD	2
(ii)	CHANGES	3
1	DESIGNATION	6
2	SCOPE	6
3	PRECEDENCE AND STANDING OF SPECIFICATION	6
4	APPLICABLE DOCUMENTS	6
5	TECHNICAL REQUIREMENTS	7
5.1	General	7
5.2	Insulation	8
5.3	Environment	8
5.4	Floor	8
5.5	External Walls	9
5.6	Partition Walls	10
5.7	Roof	10
5.8	Doors	10
5.9	Vandalism	11
5.10	Ventilation	12
5.11	Cable Entry	12
5.12	Lifting Points and Support Legs	12
5.13	Support base	13
5.14	Building Sizes and Weights	13
5.15	Facilities for Mounting Equipment	14
5.16	Electrical Requirements	14
5.16.1	General	14
5.16.2	Bonding and Earthing	15

<u>PARA.</u>	<u>TITLE</u>	<u>PAGE</u>
5.16.3	Lighting	16
5.16.4	Heating & Cooling	16
5.16.5	Operators Room	17
6	SPECIFICATION CHANGE	17
7	WORKMANSHIP	17
8	EQUIPMENT FINISH	17
9	MODIFICATIONS	18
10	DRAWINGS AND LITERATURE	18
11	MAINTAINABILITY	18
12	TYPE APPROVAL AND INSPECTION	18
12.1	TYPE APPROVAL	18
12.2	INSPECTION	19

Appendix A. Building Types and Options (1 sheet)

Appendix B. Outline Drawings (4 sheets)

Appendix C. Trunking Arrangement (1 sheet)

1. DESIGNATION

- 1.1 Relocatable Equipment Buildings for S. & T. Use.

2. SCOPE

- 2.1 This document specifies the technical requirements for relocatable equipment buildings to accommodate railway signalling and telecommunications equipment.
- 2.2 Additional requirements for buildings formed from separately transportable units are not covered by this Specification.

3. PRECEDENCE AND STANDING OF SPECIFICATION

- 3.1 In the event of conflict between the requirements of this Specification and any other document then this Specification shall take precedence.
- 3.2 It is for the tenderer to propose how the requirements contained in this Specification are to be engineered.
- 3.3 In addition to making a proposal meeting the Specification, the tenderer may propose variations.
- 3.4 The tenderer shall advise the Engineer of any variations to the Specification which he considers may be beneficial.
- 3.5 Full particulars of any departures from this Specification shall be supplied with the tender under the heading, "Departures from Specification". Unless this is done it shall be taken as agreed by the Contractor that the building shall fully comply in all respects with this Specification. If a Departure is notified the building shall in all other respects comply with this Specification.

4. APPLICABLE DOCUMENTS

Supplier Quality Assurance Requirements - September 1990

British Rail Specifications:-

BR 10 Director of S. & T. Engineering Department -
Painting Schedule.

British Standards:-

BS 729 Hot dip galvanised coatings on iron and steel articles.

BS 2989 Hot dip zinc coated sheet steel and coil.

BS 476 Fire Regulations.

BS 4800 Paint colours for building purposes.

BS 6492 Transportable accommodation units.

BS 1449 Stainless Steel.

BS 6949 (1988) Shallow Channel

Code of Practice 3. Basic data for the design of buildings.

Building (First Amendment) Regulations.

IEE Regulations for the Electrical Equipment of Buildings.

Where this specification requires reference to these documents, British Standards, British Railways Specifications, drawings and DEF standards, the latest issue shall apply unless specially stated. It is the responsibility of the Manufacturer, Supplier or User to ensure that the latest issue of this specification and other relevant specifications and drawings are obtained and complied with.

For the purpose of this Specification the Engineer is the Director of Signal and Telecommunications Engineering, British Railways Board, or his appointed representative.

5. TECHNICAL REQUIREMENTS

5.1 General

- 5.1.1 The building may comprise of a single equipment room or be partitioned to form an equipment room and a battery room, equipment room and operating room or equipment room, battery room and operating room.
- 5.1.2 The building shall include walls, roof and floor.
- 5.1.3 The building may be located on sites exposed to vandalism and extremes of weather and must be designed accordingly.
- 5.1.4 The buildings are to be supplied fully made up, factory finished and capable of at least 25 years life with minimum maintenance (Clause 11).
- 5.1.5 The building shall comply with this specification throughout the stated life.
- 5.1.6 The building shall be capable of being lifted by crane when fully equipped (Clause 5.12), and transported by road vehicle without damage or permanent distortion of the building or the equipment. Detachable legs shall be provided capable of supporting the fully equipped building and roof guard (5.9.4).
- 5.1.7 There shall be no commercial identification or advertising on any part of the building.
- 5.1.8 The manufacturers name and address, the building individual serial number and date of manufacture shall be displayed in relief on the inner wall of the building adjacent to the equipment room external door.