

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1964

SHIPBUILDING DETAILS

INDICATIONS OF DETAILS
ON THE GENERAL ARRANGEMENT PLANS OF SHIPS

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 1964, *Shipbuilding details – Indications of details on the general arrangement plans of ships*, was drawn up by Technical Committee ISO/TC 8, *Shipbuilding details*, the Secretariat of which is held by the Nederlands Normalisatie-Instituut (NNI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1964, which was circulated to all the ISO Member Bodies for enquiry in December 1969. It was approved, subject to modifications of an editorial nature, by the following Member Bodies :

Belgium	Italy	Sweden
Czechoslovakia	Japan	Spain
France	Netherlands	Thailand
Germany	New Zealand	Turkey
Greece	Norway	U.A.R.
India	Peru	United Kingdom
Israel	Poland	U.S.S.R.

The following Member Bodies opposed the approval of the Draft :

Australia
U.S.A.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

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ON THE GENERAL ARRANGEMENT PLANS OF SHIPS

INTRODUCTION

This ISO Recommendation covers symbols for the indication of details on the general arrangement plans of ships.

The symbols are drawn to scale 1 : 100 approximately. For general arrangement plans of the scale 1 : 50 or 1 : 200, the individual symbols should be scaled up or down correspondingly.

All symbols may be drawn in accordance with their size and the proportions of the equipment which they represent.

Under the clauses 1.1, 2.1 and 3.1 basic symbols have been laid down which may be combined with other symbols. Examples of combination have been given at the end of most subclauses.

All types of special equipment, machinery, etc., not contained in this ISO Recommendation, may be symbolized similar to their actual form. For distinction these symbols should be marked by figures and elucidated in the legend.

The symbols given in the tables have been classified in the following manner :

1. Bulkheads (walls) and bulkhead openings
2. Accommodation furniture
3. Sanitary equipment
4. Galley and laundry
5. Workshop
6. Navigation, etc.
7. Deck equipment
8. Stairs, bulwarks, etc.
9. Hatches and covers

1. BULKHEADS (WALLS) AND BULKHEAD OPENINGS

1.1 General symbols

NOTE. — The number against the letter symbol indicates the time period for limitation of temperature rise. See Regulation 35 of the International Conference on Safety of Life at Sea (1960) and Resolution 122 (v) 1967 of IMCO*.

1.1.1	Fire resisting Class A	A60, A30, A15, A0
1.1.2	Fire retarding Class B (a) made of incombustible material (b) made of combustible material	B15, B0 B30
1.1.3	Fire retarding Class C made of incombustible material, but not meeting any requirements relative to the passage of smoke or flame, nor the limiting of temperature rise	C
1.1.4	Insulation	
1.1.5	Oiltight	

1.2 Bulkheads (walls) and partitions

1.2.1	Metal bulkhead or wall	
1.2.2	Wooden or other non-metal bulkhead or wall	
1.2.3	Pervious partition (such as perforated plate, expanded metal, wire-mesh)	
1.2.4	Curtain	
Examples of combination	(a) Metal bulkhead with non-metal lining	
	(b) Metal bulkhead with metal lining	
	(c) Fire-resisting metal bulkhead (without insulation) having zero time temperature limitation	A0
	(d) Metal bulkhead with insulation	

* Intergovernmental Maritime Consultative Organization.