SRI LANKA STANDARD 447:1978
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RECOMMENDED DIMENSIONS FOR WOOD DOORSETS

BUREAU OF CEYLON STANDARDS

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SLS 447:1978

Gr. 3

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This Standard does not purport to include all the necessary provisions of a contract.

SRI LANKA STANDARD
RECOMMENDED DIMENSIONS FOR WOOD DOORSETS

FOREWORD

This Sri Lanka Standard was prepared by the Drafting Committee on Modular Co-ordination, under the authority of the Civil Engineering Divisional Committee of the Bureau of Ceylon Standards and was authorized for adoption and publication by the Council of the Bureau on 1978-12-01.

This standard is part of a series of specifications concerning modular co-ordination concepts in building. The concept of the doorleaf and frame being combined into a single component known as the *doorset* and the need for standardization of door leaves for all doorset combinations has set the parameters for the proposed dimensions.

The units used in the system are the International System of Units (SI).

1 SCOPE

This standard specification covers the dimensional, constructional and design requirements for doorsets made out of wood.

2 DEFINITIONS

For the purpose of this standard the definitions given in SLS 359* together with the following definitions shall apply.

2.1 **doorset**: An assembly including a fixed part (the doorframe) and one or more moveable parts (the door leaves) and their hardware the function of which is to allow or prevent access.

2.2 **glazing bar**: A twice rebated member dividing a light into panes.

2.3 **head**: The horizontal top member of a frame.

2.4 **jamb**: A vertical side member of a windowframe or doorframe.

2.5 **mortice**: A hole or slot to receive a tenon of corresponding size.

2.6 **mullion**: An intermediate verticle member of a doorframe.

2.7 **panel**: A filling to a space surrounded by framing of the sash.

2.8 **rebate**: A step shaped reduction formed on the edge of a member.

2.9 **sash**: A moving part of a door.

2.10 **tenon**: A projection at the end of one framed member of lesser cross section than the member, and intended to fit into a corresponding mortice in the other member to which it is thereby joined.

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*SLS 359 *Glossary of terms used in the building industry with special reference to modular co-ordination.*

3 GENERAL REQUIREMENTS

3.1 Timber

The timber used shall comply with the requirements specified in SLS 263* for the non-structural class. If plywood is used it shall comply with the requirements given in SLS 261**.

4 REQUIREMENTS FOR DOORFRAMES

4.1 Construction

The doorframes shall be supplied completely assembled, or in knockdown component form. All joints shall be morticed and tenoned. The tenons shall close fit in the mortices and pinned with non rusting metal dowels or medium hardwood pins of not less than 10 mm diameter. The joints shall be packed solid with wood adhesives or lead based paint.

All assembled doorframes shall be cramped together so as to be square and flat. Each assembled doorframe shall have a temporary diagonal brace fitted inside the rebates and shall be fitted with temporary stretchers at the feet of the jambs to avoid damage in transit.

The surfaces normally exposed to view after installation shall be true, clean, sanded smooth and without application of fillers.

4.2 The frames for doors shall be as shown in Figures 1 A and 1 B.

4.3 Dimensions

The sizes of doorframes shall be as given in Table 1.

**SLS 263 Building timber*

***SLS 261 Plywood for general purposes*

4.4 Rebate of the doorframe

The rebate of the doorframe shall be the thickness of the doorsash plus 2 mm.

4.5 Where ventilation is required above the doorframe it shall be constructed with jambs in the knockdown form, of preferred sizes 25 M, 26 M, or 27 M. The infil can be of any desired form.

NOTE - M = 1 module (100 mm)

5 REQUIREMENTS FOR DOOR LEAVES

5.1 Dimensions

The door leaves shall be supplied in sizes as indicated in Table 1.

5.2 Tolerances

5.2.1 *Squareness*

The difference between the length of the diagonals of a doorsash shall not exceed 3 mm.

5.2.2 *Flatness*

When a door is placed so that three of its corners are in contact with a plane surface, the perpendicular distance from the plane surface to the 4th corner of the door shall not exceed 5 mm.

6 POSITION OF HINGES AND LOCK

The position of the centre lines of fixing blocks of hinges if required and the centre line of the fixing block for the lock/latch shall be as shown in Figure 2.

TABLE 1 - Principal dimensions of doorsets

Symbol (See Fig. 1A and 1B)	Description	Size designation		
		21M x 8M	21M x 9M	21M x 11M
		Sizes in mm		
A	Co-ordinating dimension height of doorset	2100	2100	2100
B	Co-ordinating dimension width of doorset	800	900	1100
A_2	Work size: height of doorset	2095^{+4}_{-2}	2095^{+4}_{-2}	2095^{+4}_{-2}
B_2	Work size: width of doorset	$790^{+}_{-}2.0$	$890^{+}_{-}2.0$	$1090^{+}_{-}2.0$
D	Width of doorleaf	712^{+2}_{-1}	812^{+2}_{-1}	1012^{+2}_{-1}
D'	Dimensions within rebates	716	816	1016
T	Thickness of doorleaf (not important for dimensional co-ordination)	37^{+4}_{-2}		

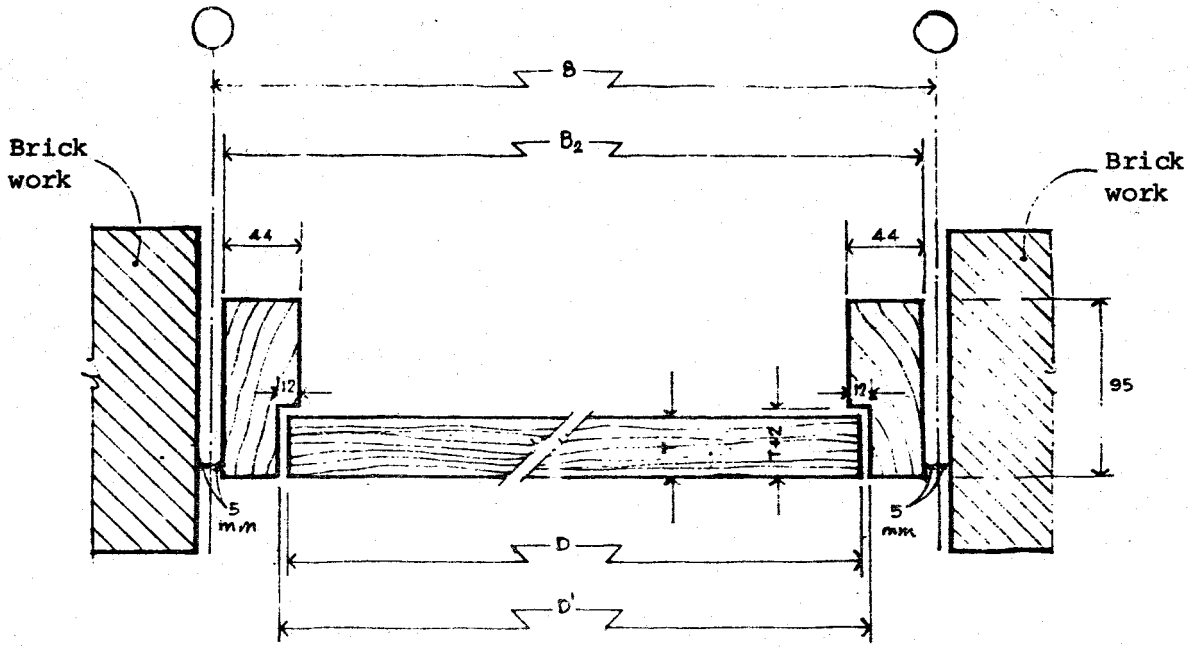

FIGURE 1a - Plan of door set

Dimensions in millimetres

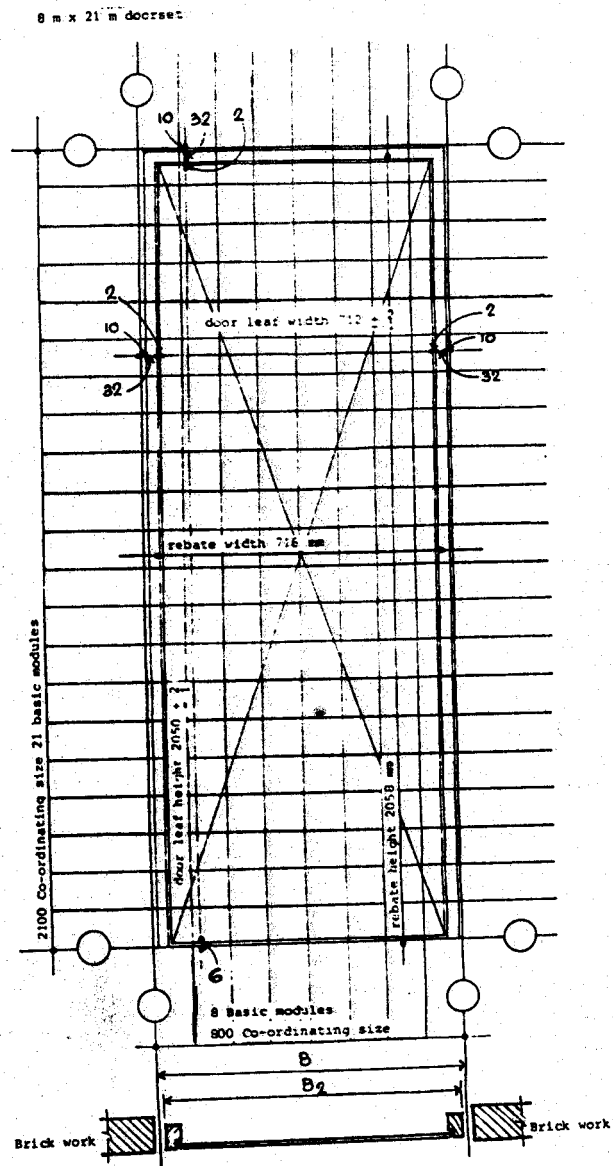

FIGURE 1b - Plan and elevation of door set

Dimensions in millimetres

Dimensions in millimetres

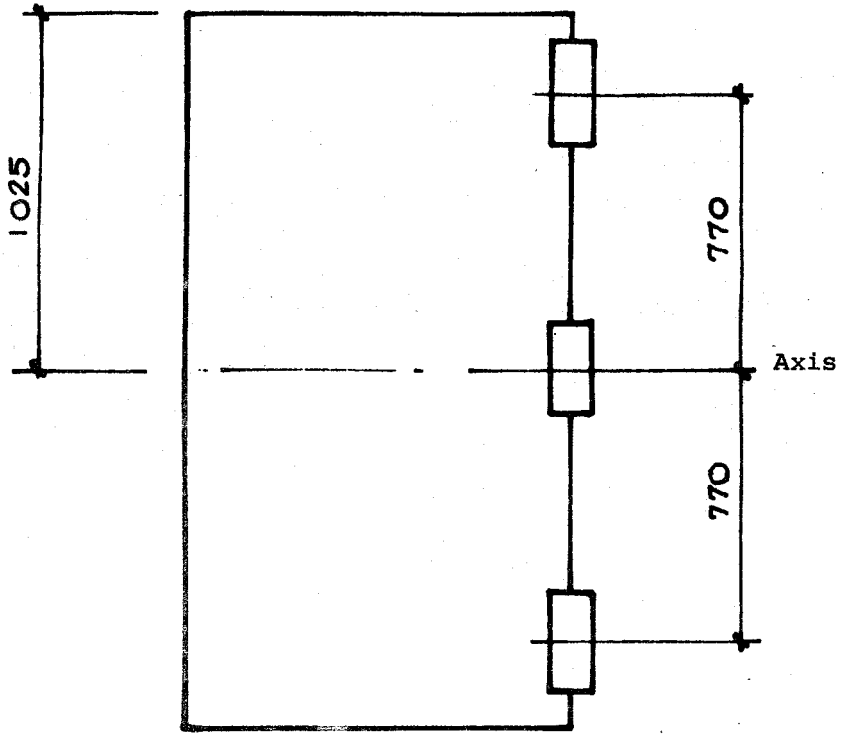

FIGURE 2 - Position of hinges and lock

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