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SRI LANKA STANDARD 364 : 1975

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BUILDING AND CIVIL ENGINEERING DRAWINGS — SYMBOLS FOR CONCRETE REINFORCEMENT

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BUREAU OF CEYLON STANDARDS

BUILDING AND CIVIL ENGINEERING DRAWINGS — SYMBOLS FOR CONCRETE REINFORCEMENT

SLS 364 : 1975

Gr. 3

BUREAU OF CEYLON STANDARDS
53, DHARMAPALA MAWATHA,
COLOMBO 3.

SRI LANKA STANDARD FOR BUILDING AND CIVIL ENGINEERING DRAWINGS — SYMBOLS FOR CONCRETE REINFORCEMENT

FOREWORD

This Sri Lanka Standard approved by the Civil Engineering Divisional Committee of the Bureau of Ceylon Standards was authorised for adoption and publication by the Council of the Bureau on 1975-12-03.

This standard is technically identical with ISO 3766.

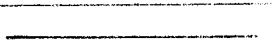
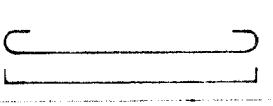
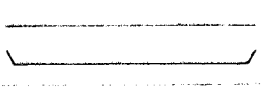
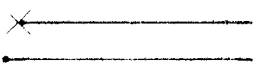
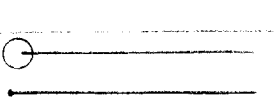
This is the first in a series of Sri Lanka Standards for building and civil engineering drawings.

1. SCOPE

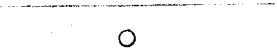
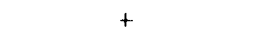
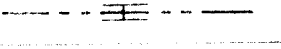
This Sri Lanka Standard establishes a system of symbols for use on drawings for reinforcement in reinforced concrete and in prestressed concrete.

2. GRAPHICAL SYMBOLS

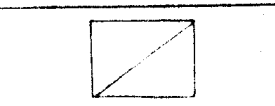
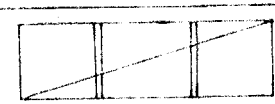
2.1 Ordinary reinforcement

No.	Designation	
2.1.1	Reinforcing bar, heavy continuous line	
2.1.2	Section of reinforcing bar	
2.1.3	Bar with end anchorages in elevation *a*) with hooks *b*) with right angle bends	
2.1.4	Bar without end anchorages *a*) bar without end hook *b*) if necessary to indicate ends of the bar	
2.1.5	Anchorage ring or plate	
2.1.6	End view of anchorage	
2.1.7	Bar bent at right angle away from the reader Preferably for clarity, where bars are very close and for microfilming use	
2.1.8	Bar bent at right angle towards the reader Preferably, for clarity, where bars are very close and for microfilming use.	

2.2. Prestressed reinforcement

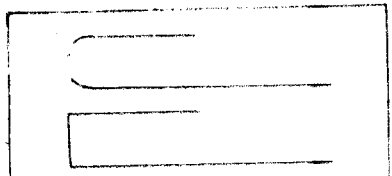
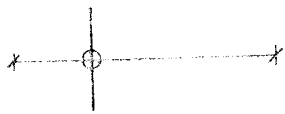
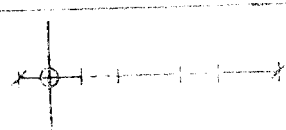
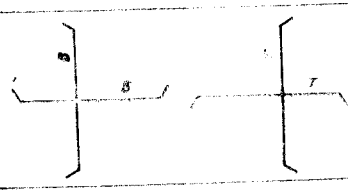
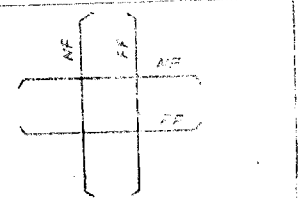
No.	Designation	Symbol
2.2.1	Prestressing bar or cable, heavy chain line*	
2.2.2	Section of post-tensioned reinforcement in pipes or conduits	
2.2.3	Section of prestressed reinforcement	
2.2.4	Anchorage of tensioning end	
2.2.5	Fixed anchorage	
2.2.6	End view of anchorage	
2.2.7	Movable splice	
2.2.8	Fixed splice	

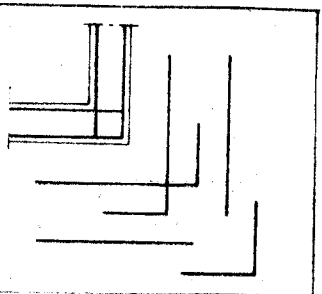
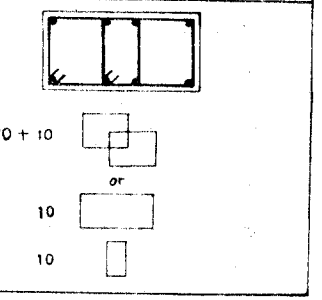
2.3 Welded fabrics

No.	Designation	Symbol
2.3.1	One Fabric, shown on plan	
2.3.2	Identical fabrics in a row	

*When no confusion with ordinary reinforcement can possibly arise, prestressed can be drawn with a continuous line.

3. DRAWING CONVENTION

3.1	Bends shall normally be drawn to scale Bends with the smallest permitted bend radius may be drawn with intersecting straight lines	
3.2	A bundle of bars may be drawn with a single line, end markings indicating the number of bars in the bundle *Example* : Bundle with three identical bars	
3.3	Each set of identical bars, stirrups or links shall be indicated by one bar stirrup or link drawn in full, with a thin line across the set terminated by short lines to mark the extreme bars, stirrups or links A circle connects the "set line" with the correct bar, stirrup or link	
3.4	Bars placed in groups, each group spaced over the same distance and containing an identical number of identical bars, may be indicated as shown in the figure	
3.5	Two-way reinforcement shall be shown in section or marked with text or symbol in order to show the direction of bars in the outside layer on each face of the construction	
3.6	On plan drawing for simple arrangements the top-layer and bottom—layer reinforcement shall have letters indicating the location of the layer added to the symbols. If end marks are used, the end marks shall be drawn upwards or to the left for the bottom—layer and downwards or to the right for the top-layer	
3.7	On elevations of walls with reinforcement on both faces, the reinforcement shall have letters added to the symbols, indicating the location of the layer. If end marks are used the end marks shall be drawn upwards or to the lift for far face reinforcement and downwards or to the right for near face reinforcement	

3.8	If the arrangement of the reinforcement is not clearly shown by the section, an additional sketch showing the reinforcement may be drawn outside the section	
3.9	All the types of stirrups or links present shall be indicated on the drawing. If the arrangement is complicated, it may be clarified by the aid of a sketch in connection with the notation	

4. NOTATIONS

Items of information concerning reinforcement shall be written in the longitudinal direction of the bars or along reference lines indicating the bars in question.

4.1 The following information concerning reinforcement bars shall b given :

a) number
b) size
c) quality
d) length
e) spacing in millimetres
f) bar reference number
g) location in slab or wall

4.2 The following information concerning bundles of reinforcing bars shall be given :

a) number of bundles
b) number of bars in a bundle
c) size
d) quality
e) length
f) bar reference number
g) spacing of bundles in millimetres
h) location

4.3 Items of information for welded fabrics shall be written along the diagonal line. The number of fabrics shall be indicated together with the type fabric reference.

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