SLOVENSKI STANDARD
SIST ISO 4068:1995

01-junij-1995

Gradbeniġke risbe - Referenļ ne ļ rte

Building and civil engineering drawings -- Reference lines

Dessins de bâtiment et de génie civil -- Lignes de référence

Ta slovenski standard je istoveten z: **ISO 4068:1978**

ICS:

01.100.30	Gradbeni naļ rti	Construction drawings

SIST ISO 4068:1995 **en**

INTERNATIONAL STANDARD ISO 4068

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION•МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ•ORGANISATION INTERNATIONALE DE NORMALISATION

Building and civil engineering drawings — Reference lines

Dessins de bâtiment et de génie civil — Lignes de référence

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4068 was developed by Technical Committee ISO/TC 10, *Technical drawings*, and was circulated to the member bodies in August 1976.

It has been approved by the member bodies of the following countries :

Australia	Germany	Norway
Belgium	India	Poland
Bulgaria	Ireland	Romania
Canada	Italy	Sweden
Chile	Korea, Rep. of	Switzerland
Denmark	Mexico	Turkey
Finland	Netherlands	U.S.S.R.
France	New Zealand	Yugoslavia

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Austria
Czechoslovakia
United Kingdom

Printed in Switzerland

Building and civil engineering drawings — Reference lines

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the representation of reference lines on building and civil engineering drawings of all kinds.

2 REFERENCES

ISO 128, *Technical drawings — Principles of presentation.*[1)]

ISO/R 1790, *Modular co-ordination — Reference lines of horizontal controlling co-ordinating dimensions.*

ISO 1791, *Modular co-ordination — Vocabulary.*

ISO 1803, *Tolerances for building — Vocabulary.*

3 DEFINITIONS

The definitions given in the documents listed in clause 2 apply.

4 TYPES OF LINES

4.1 A reference line shall normally be indicated by a continuous line :

4.2 Where necessary for clarity, a reference line may be indicated by a chain line :

4.3 The thickness of reference lines shall be chosen in the following order :

thin, thick and extra thick.

In accordance with ISO 128, the ratios of these thicknesses shall be 1 : 2 : 4.

5 TERMINATION OF LINES

5.1 Reference lines, for example controlling lines and modular grid lines, shall, where necessary for identification purposes, be terminated with a circle drawn with a thin line, at one or both ends of the line :

The line may be designated by a reference within the circle, as shown in figure 1. Where necessary, the reference may be placed close to the circle.

The alpha-numeric references shown in the illustration are examples.

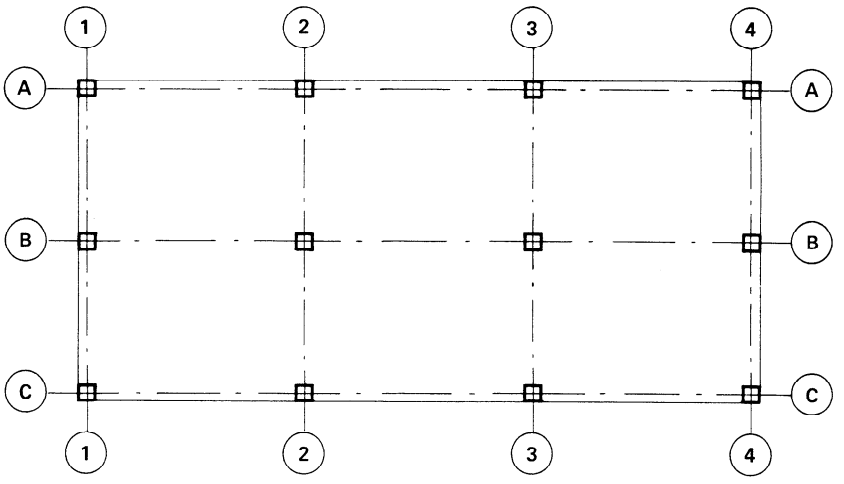

FIGURE 1

1) At present at the stage of draft. (Revision of ISO/R 128-1959.)

5.2 When reference lines are designated by co-ordinates, circle-terminations are not necessary (see figure 2).

The co-ordinate references shown in the illustration are examples.

6 ARBITRARY REFERENCE LINES

6.1 Arbitrary reference lines shall generally be drawn using an extra thick chain line terminated with a circle drawn with a thin line :

The line may be designated with a reference within the circle, as shown in figure 3. (Arbitrary reference lines are independent of a reference system, and they are generally used in setting out.)

6.2 Arbitrary reference lines indicating special requirements, for example where the line is to be set out by an authorized surveyor or by approved measuring methods, shall be drawn using an extra thick chain line terminated with a "diamond" drawn with a thin line :

The line may be designated with a reference within the "diamond".

7 MODULAR GRID LINES

Lines in basic modular or multimodular grids shall be drawn using a thin line.

When modular grids having different line intervals are superimposed, the representation may be clarified by using a thin line for the smallest interval, a thick line for the next largest interval, etc., as shown in figure 4.

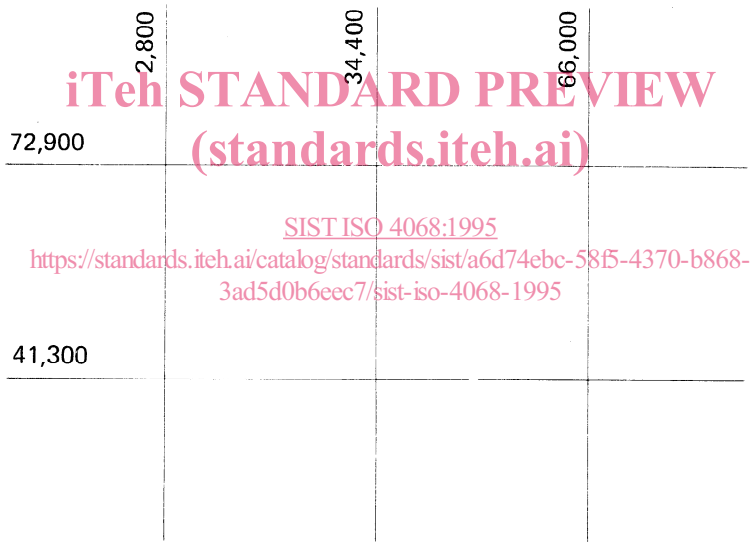

FIGURE 2

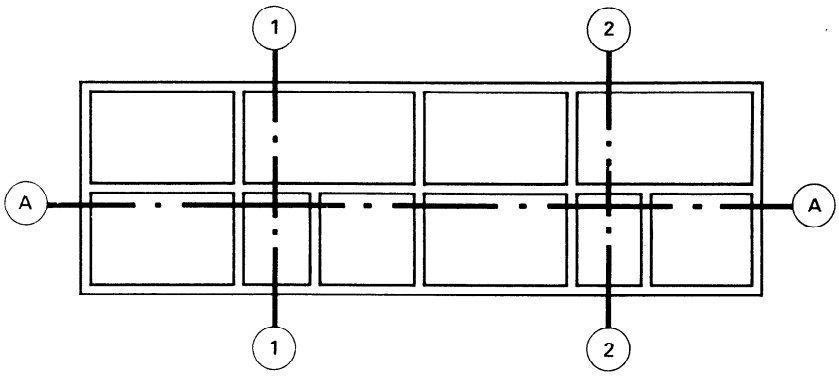

FIGURE 3

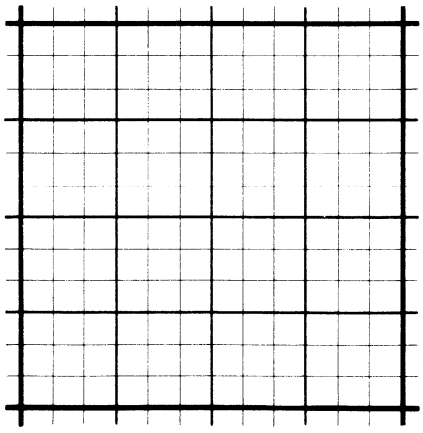

FIGURE 4