
International Standard



8048

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

Technical drawings — Construction drawings — Representation of views, sections and cuts

Dessins techniques — Dessins de construction — Représentation des vues, des sections et des coupes

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8048 was prepared by Technical Committee ISO/TC 10, *Technical drawings*.

Technical drawings — Construction drawings — Representation of views, sections and cuts

1 Scope and field of application

This International Standard lays down general rules for marking, designation, placing and orientation of views, sections and cuts, and the position of text in relation to figures on construction drawings.

For all general rules, reference is made to ISO 128. As regards relative positions of views, the method using reference arrows according to ISO 128 is used.

2 References

ISO 128, *Technical drawings — General principles of presentation*.

ISO 1046, *Architectural and building drawings — Vocabulary*.

ISO 3098/1, *Technical drawings — Lettering — Part 1: Currently used characters*.

ISO 4069, *Building and civil engineering drawings — Representation of areas on sections and views — General principles*.

ISO/TR 7084, *Technical drawings — Coding and referencing systems for building and civil engineering drawings and associated documents*.

3 Marking of views, sections and cuts

The direction of a view shall be marked with an arrow near the reference figure (see figures 1, 5 and 6).

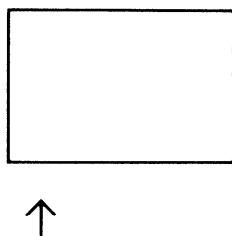


Figure 1

The position and direction of viewing of a section or cut shall be marked with a cutting plane (see ISO 128, type H) and arrows near the reference figure (see figures 2, 3 and 5). The direction of view should be chosen to suit the needs of each individual project and of the information to be conveyed.

The cutting plane shall be drawn to a suitable length for legibility (see figure 2).

If the cutting plane is not straight, the plane shall be drawn to its full length (see figure 3).

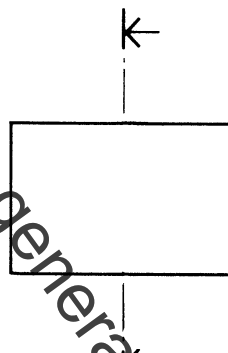


Figure 2

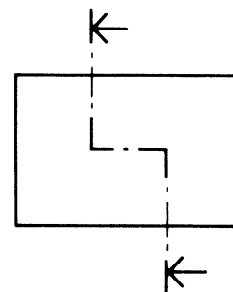


Figure 3

The location of a detail, showing a part of the same view, section or cut as the main figure, shall be marked on it with a thin line circle (ISO 128, type B) (see figure 4).

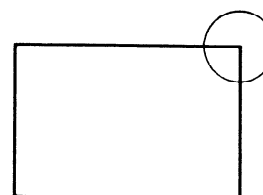


Figure 4