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STANDARD

4172

Second edition
1991-03-01

**Technical drawings — Construction drawings —
Drawings for the assembly of prefabricated
structures**

*Dessins techniques — Dessins de construction — Dessins d'assemblage
des structures préfabriquées*



Reference number
ISO 4172:1991(E)

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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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 4172 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*.

This second edition cancels and replaces the first edition (ISO 4172:1981), clause 2 and subclause 4.3 of which have been technically revised.

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Technical drawings — Construction drawings — Drawings for the assembly of prefabricated structures

1 Scope

This International Standard specifies general rules for the preparation of working drawings intended for the field assembly of prefabricated structures for building and civil engineering works.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 128:1982, *Technical drawings — General principles of presentation*.

ISO 129:1985, *Technical drawings — Dimensioning — General principles, definitions, methods of execution and special indications*.

ISO 1046:1973, *Architectural and building drawings — Vocabulary*.

ISO 2444:1988, *Joints in building — Vocabulary*.

ISO 2445:1972, *Joints in building — Fundamental principles for design*.

ISO 2553:1984, *Welds — Symbolic representation on drawings*.

ISO 4068:1978, *Building and civil engineering drawings — Reference lines*.

ISO 4157-1:1980, *Building drawings — Part 1: Designation of buildings and parts of buildings*.

ISO 5455:1979, *Technical drawings — Scales*.

ISO 5457:1980, *Technical drawings — Sizes and layout of drawing sheets*.

ISO 6284:1985, *Tolerances for building — Indication of tolerances on building and construction drawings*.

ISO 7200:1984, *Technical drawings — Title blocks*.

ISO 7437:1990, *Technical drawings — Construction drawings — General rules for execution of production drawings for prefabricated structural components*.

ISO 8048:1984, *Technical drawings — Construction drawings — Representation of views, sections and cuts*.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 prefabricated structure: Structure erected out of prefabricated structural components.

3.2 prefabricated structural component: Component of a prefabricated structure delivered to the construction site as a purpose-made part.

4 Documentation

4.1 General

The documentation for prefabricated structures shall comprise

- a) location drawings (general arrangement drawings),
- b) detail drawings,