
International Standard



6511

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

Building construction — Modular coordination — Modular floor plane for vertical dimensions

Construction immobilière — Coordination modulaire — Plan modulaire du plancher pour les dimensions verticales

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Descriptors : buildings, dimensional coordination, modular structures, reference plans, dimensions.

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 6511 was developed by Technical Committee ISO/TC 59, *Building construction*, and was circulated to the member bodies in December 1978.

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

Australia	Greece	New Zealand
Belgium	Hungary	Norway
Bulgaria	India	Poland
Canada	Ireland	Romania
China	Israel	South Africa, Rep. of
Cyprus	Italy	Spain
Czechoslovakia	Japan	Sweden
Denmark	Korea, Rep. of	Switzerland
Finland	Libyan Arab Jamahiriya	Thailand
France	Mexico	Turkey
Germany, F.R.	Netherlands	United Kingdom

The member body of the following country expressed disapproval of the document on technical grounds :

Austria

Building construction — Modular coordination — Modular floor plane for vertical dimensions

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0 Introduction

In order to apply modular coordination to vertical dimensions in building construction, it is necessary to define a reference plane from which such modular dimensions may be taken. This reference plane is called the modular floor plane. In this International Standard, the modular floor plane is defined in such a way as to be continuous all over each storey of a building, regardless of the fact that the level of the upper surface of floor covering may vary within each storey. This International Standard also provides for the condition that the upper surface of the structural floor is normally continuous over the whole of each storey.

1 Scope and field of application

This International Standard defines three positions of the modular floor plane (see figure 1) as reference plane for vertical modular dimensions in building design and gives rules for the position of the floor in relation to this plane.

It applies to the construction of buildings of all types designed in accordance with the principles and rules of modular coordination as laid down in ISO 2848.

2 References

ISO 6511:1982

ISO 1791, *Building construction — Modular coordination — Vocabulary*.

ISO 2848, *Building construction — Modular coordination — Principles and rules*.

3 Definition

The following definition is specific to this International Standard and is not covered in ISO 1791.

modular floor plane : Horizontal modular plane continuous over the whole of each storey of a building and coinciding with the upper surface of floor covering, the upper surface of rough floor or the upper surface of structural floor.

4 Specification

The modular floor plane may in principle coincide¹⁾ with the upper surface of floor covering [see figure 2a)], the upper surface of rough floor [see figure 2b)] or the upper surface of structural floor [see figure 2c)].

Vertical modular dimensions should be taken from the modular floor plane.

1) The plane and floor will not totally coincide due to unevenness of floor surfaces, joints and tolerances.

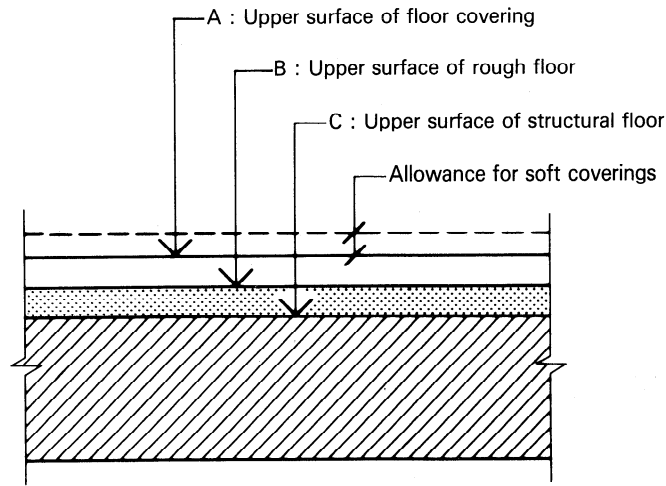


Figure 1 – Illustration of floor levels

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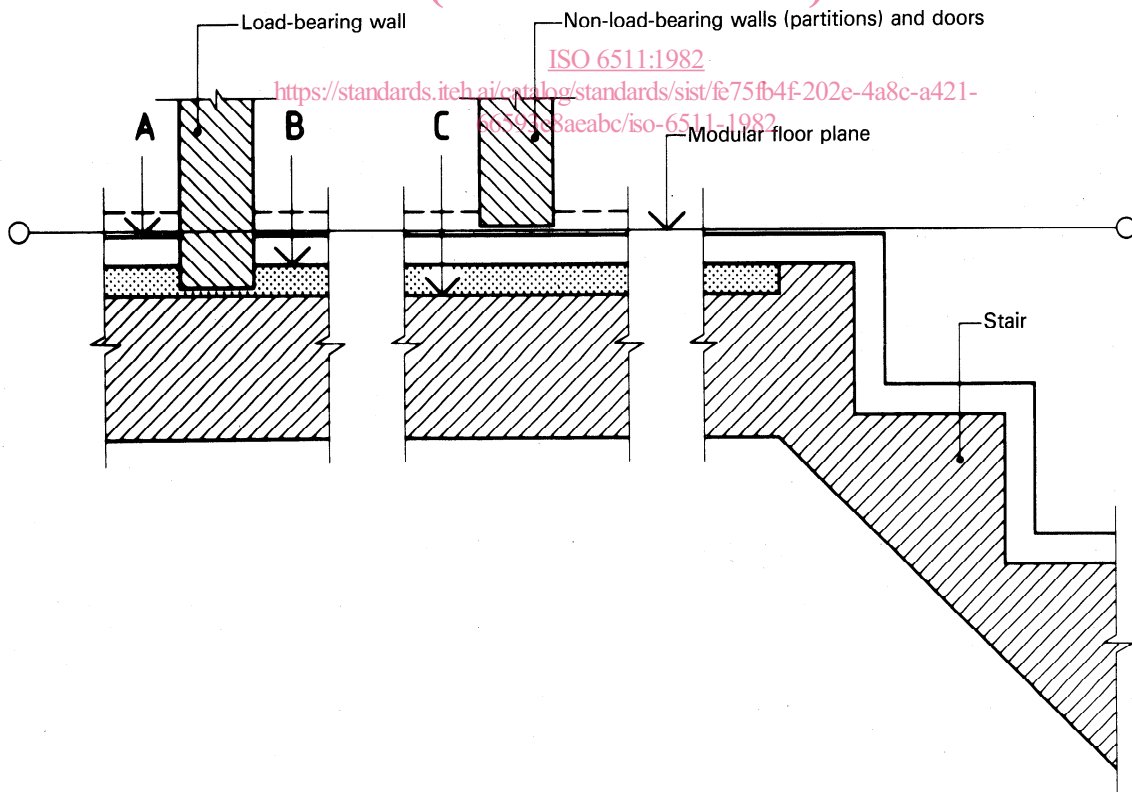
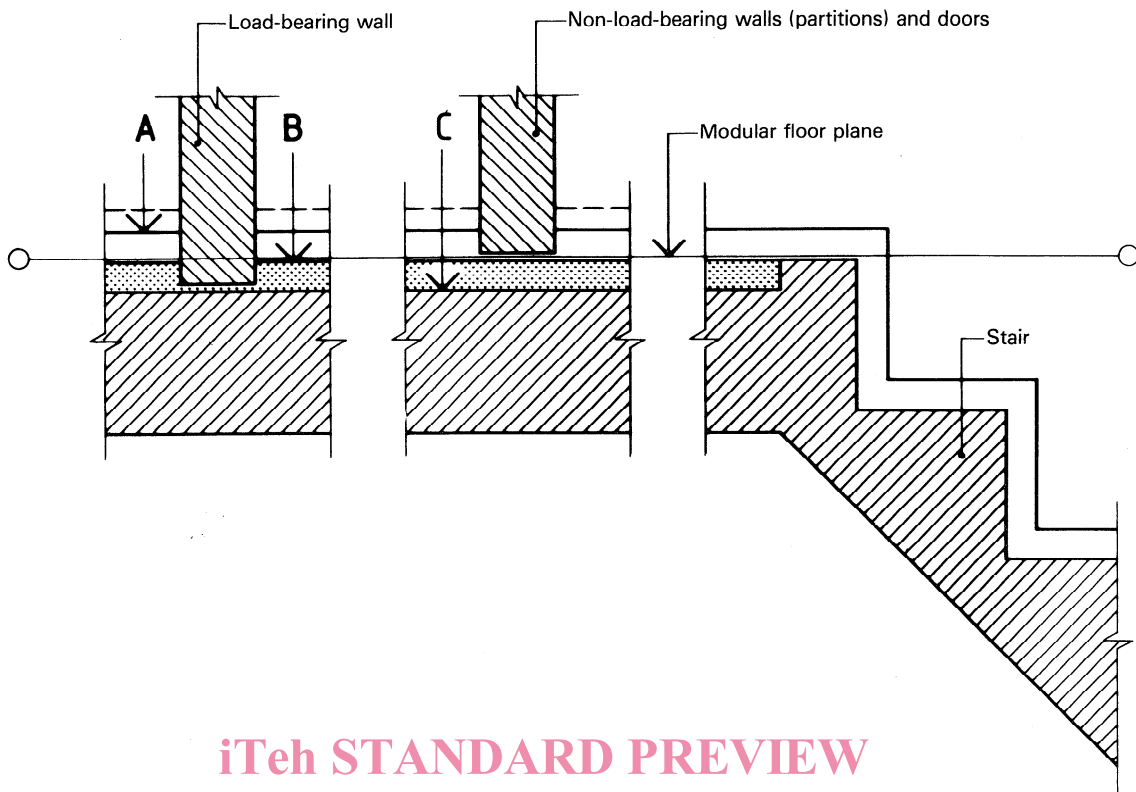


Figure 2 a) – Modular floor plane coinciding with upper surface of floor covering (level A)

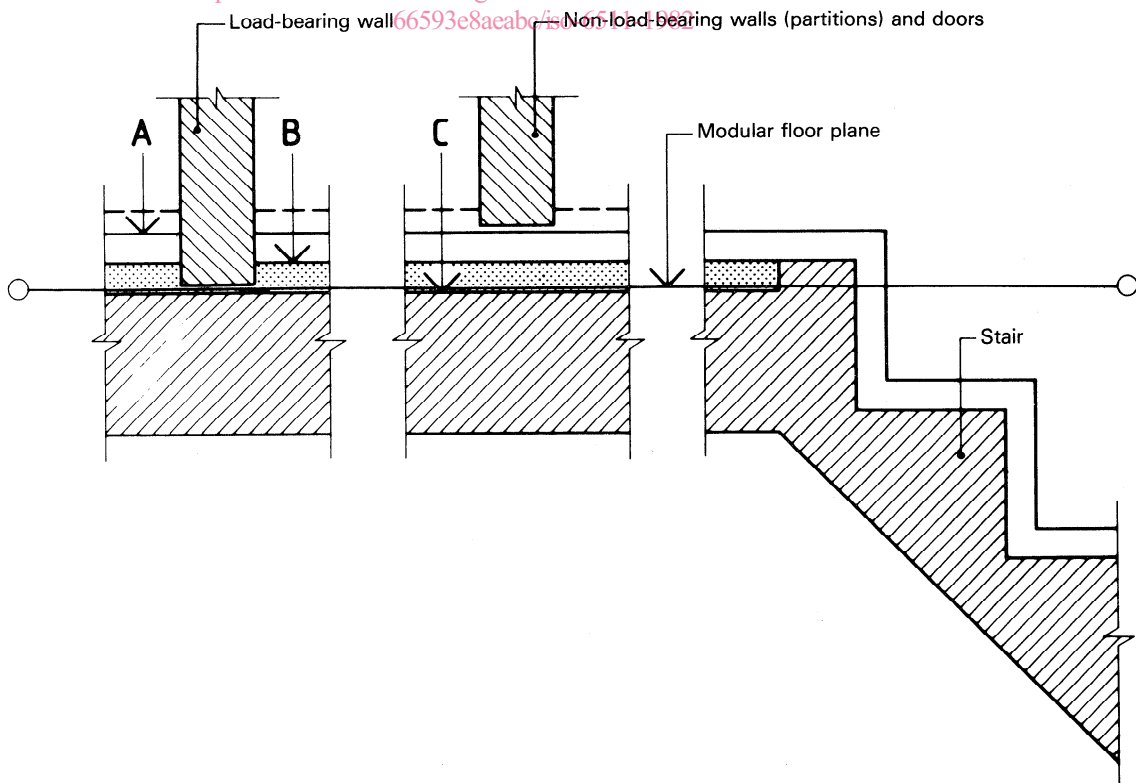


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Figure 2 b) – Modular floor plane coinciding with upper surface of rough floor (level B)

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NOTE — The non-load-bearing components can also be placed as shown in figure 2b).

Figure 2 c) – Modular floor plane coinciding with upper surface of structural floor (level C)

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