
International Standard



6512

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

Building construction — Modular coordination — Storey heights and room heights

Construction immobilière — Coordination modulaire — Hauteurs d'étage et hauteurs de pièce

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Descriptors : buildings, dimensional coordination, modular structures, height, 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 6512 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	Hungary	Norway
Belgium	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
Greece	New Zealand	

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

Austria
Bulgaria

This International Standard cancels and replaces ISO Recommendation R 1789-1973 of which it constitutes a technical revision.

Building construction — Modular coordination — Storey heights and room heights

0 Introduction

This International Standard gives rules for determining the sizes of vertical modular dimensions in buildings. Accepting the fact that, unless floor thickness is fully modular, storey height and room height cannot both be modular, this standard establishes the storey height as the generally preferred vertical modular dimension.

Room heights may be preferred under certain circumstances as may occur for example in single storey construction.

1 Scope and field of application

This International Standard specifies sizes of modular storey heights and modular room heights for all types of building in accordance with the principles and rules of modular coordination as laid down in ISO 2848 and ISO 6511.

2 References

ISO 1006, *Building construction — Modular coordination — Basic module.*

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

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

ISO 6511, *Building construction — Modular coordination — Modular floor plane for vertical dimensions.*

3 Definitions

The following definitions are specific to this International Standard and are not covered in ISO 1791.

3.1 modular storey height : Vertical dimension between two modular floor planes¹⁾ of two consecutive floors.

3.2 modular room height : Vertical dimension within one storey between the modular plane of the upper surface of floor covering and the modular plane of the finished ceiling.

3.3 modular floor height : Vertical dimension of the modular floor zone between the modular plane of the upper surface of floor covering and the modular plane of the finished ceiling.

4 Specifications

4.1 The modular storey height and the modular room height shall be chosen from the following modular sizes :

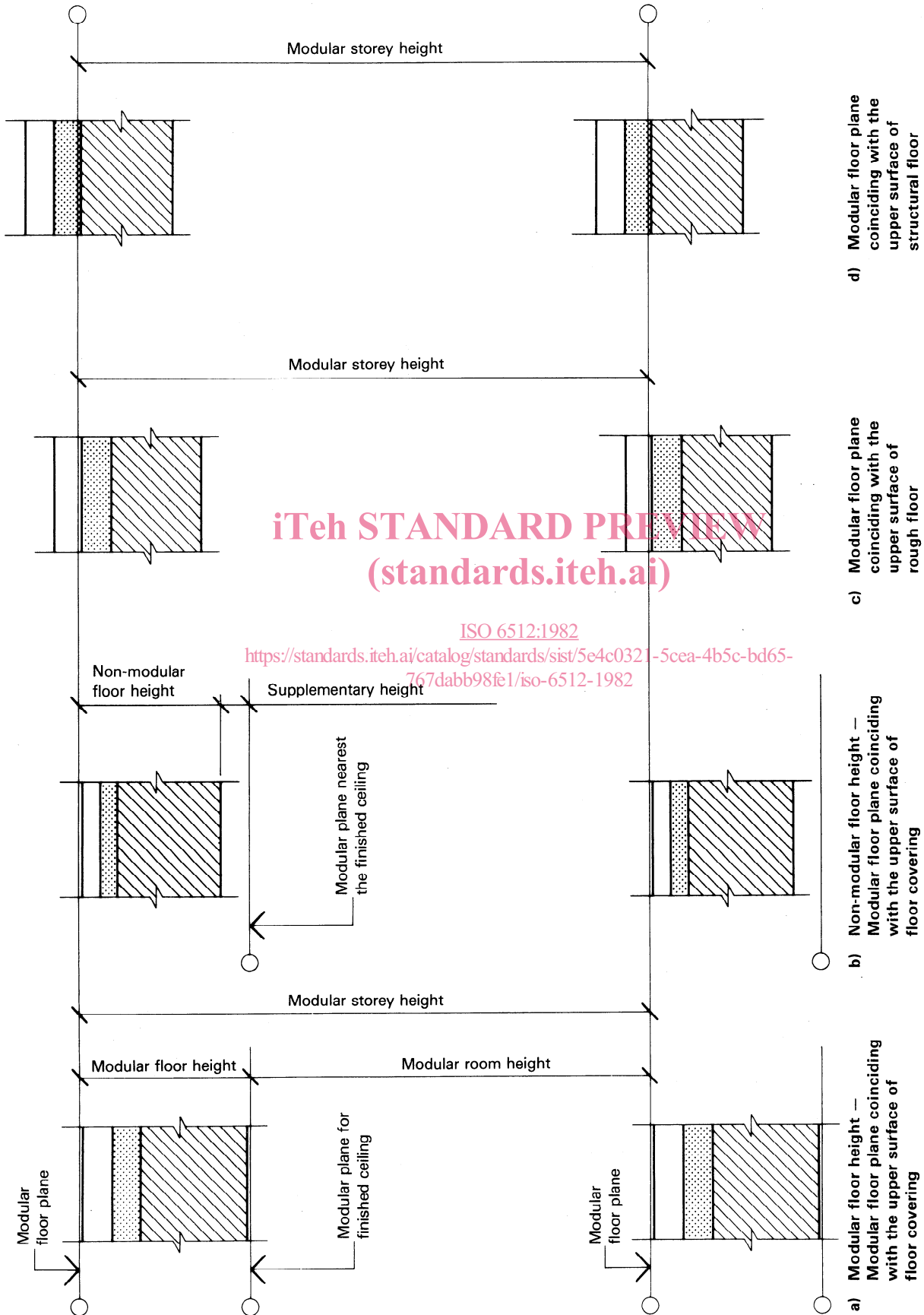
- up to 36 M²⁾ : 1 M increment step
- from 36 M to 48 M : 3 M increment step
- above 48 M : 6 M increment step

4.2 The modular storey height combined with the modular floor height determines the modular room height when the modular floor plane coincides with the upper surface of floor covering [see figure, a)]. As the modular floor height (according to the type of building system, construction, span, etc.) may have any modular value from 2 M and upwards, the standard series for modular storey heights given above correspond to an increased series of modular room heights with 1 M increments.

In the figure, a), b), c) and d) illustrate the situation at different positions of the modular floor plane according to ISO 6511.

1) Modular floor plane : see ISO 6511.

2) See ISO 1006 : 1 M = 100 mm.



Figure