

ISO 7519:2024-03 (E)

Technical product documentation (TPD) - Construction documentation - General principles of presentation for general arrangement and assembly drawings

Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Construction drawings	2
4.1 General principles	2
4.1.1 Standardized and documented approach to communication	2
4.1.2 Conveyance of purposes	2
4.1.3 Dimensional accuracy	2
4.1.4 Use of content from scanned sources	3
4.1.5 Provision and robustness of external references	3
4.2 Types of drawings	3
4.3 Organization of drawing sets	3
4.3.1 Supplementary information of drawings	3
4.3.2 Hierarchy and grouping of drawings	4
4.4 Site plan	4
4.5 Site layout drawing	5
4.6 General arrangement drawings	6
4.7 Assembly drawings	6
4.8 Component drawings	7
4.9 Detail drawings	7
5 General techniques	7
5.1 General	7
5.2 General representation techniques	7
5.2.1 Simplification	7
5.2.2 Representation types	7
5.3 Simplified representation	8
5.3.1 General	8
5.3.2 Simplified low level representation	8
5.3.3 Simplified medium level representation	8
5.3.4 Simplified high-level representation	8
5.3.5 Simplified detailed representation	9
5.4 Graphical symbols	9
5.4.1 General	9
5.4.2 Graphical symbol types	10
5.4.3 Presentation	10
5.4.4 Consistent understanding	10
5.4.5 Readability	10
5.5 Lines	10
5.5.1 Line types	10
5.5.2 Line width	11
5.5.3 Line use for parts in the cutting plane	11
5.5.4 Line use for parts in front of the cutting plane	11
5.5.5 Line use for parts beyond the cutting plane	11
5.5.6 Line use for indicating function within a simplified representation	12
5.5.7 Line use for indicating function within a graphical symbol	12
5.5.8 Other line uses	12

5.6	Hatching, shading and colour.....	13
5.6.1	Purpose.....	13
5.6.2	Hatching and scale.....	13
5.6.3	Hatching of large area.....	13
5.7	Alphanumeric information.....	14
5.7.1	General	14
5.7.2	Text styles and height	14
5.7.3	Designations.....	14
5.7.4	General text.....	14
5.7.5	Reference keynotes.....	14
5.7.6	Schedules and lists.....	15
6	Application of representation.....	15
6.1	Stairs and ramps	15
6.2	Doors	16
6.2.1	Simplified representation	16
6.2.2	Door swings	17
6.3	Windows.....	17
6.4	Suspended ceilings.....	18
6.5	Openings, holes and recesses	18
6.5.1	Openings and holes	18
6.5.2	Recesses	19
6.6	Arrow symbols	19
6.7	Referencing and cross referencing	19
Annex A (informative) Examples of door and window representation.....		21
Annex B (informative) Materials in plan or section.....		24
Bibliography.....		26