

ISO 7519:2025-02 (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	Alphanumerical 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