INTERNATIONAL STANDARD ISO 4190-1:2010
TECHNICAL CORRIGENDUM 1

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

Lift (Elevator) installation

Part 1:
Class I, II, III and VI lifts

TECHNICAL CORRIGENDUM 1

Installation d'ascenseurs

Partie 1: Ascenseurs des classes I, II, III et VI

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 4190-1:2010 was prepared by Technical Committee ISO/TC 178, *Lifts, escalators and moving walks*.

Page 8, 4.2.1, first paragraph

Replace the second sentence with the following:

The dimensions b_3 and d_2 in Figures 2, 3 and 4 represent the minimum plumb requirement.

Page 10, Figure 2

Replace Figure 2 with the following. In the drawing on the top right side, the dimension M has been modified and dimensions K and L have been inverted.

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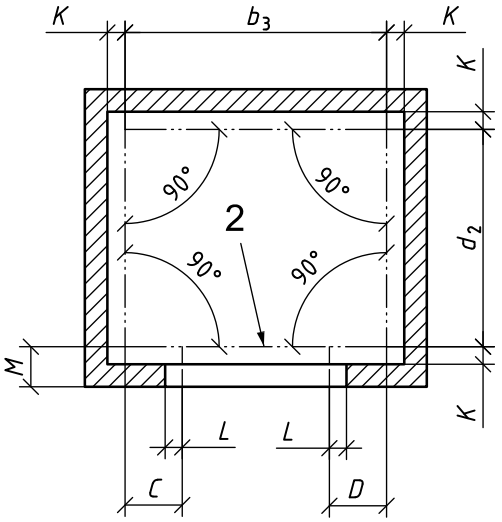
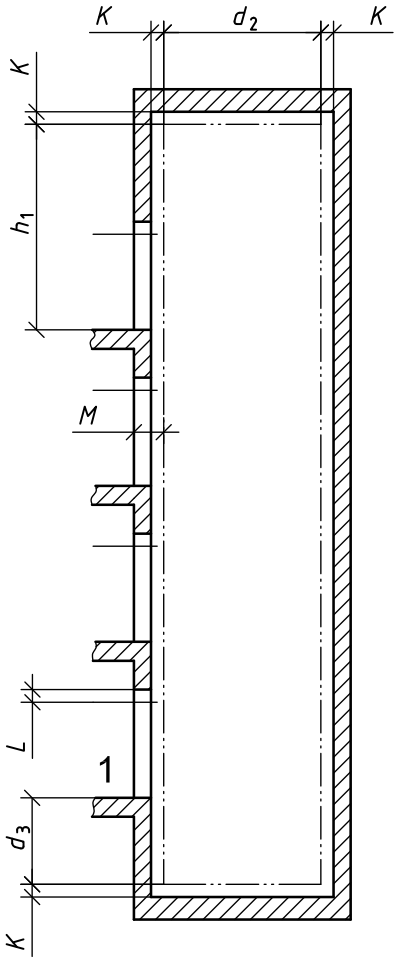
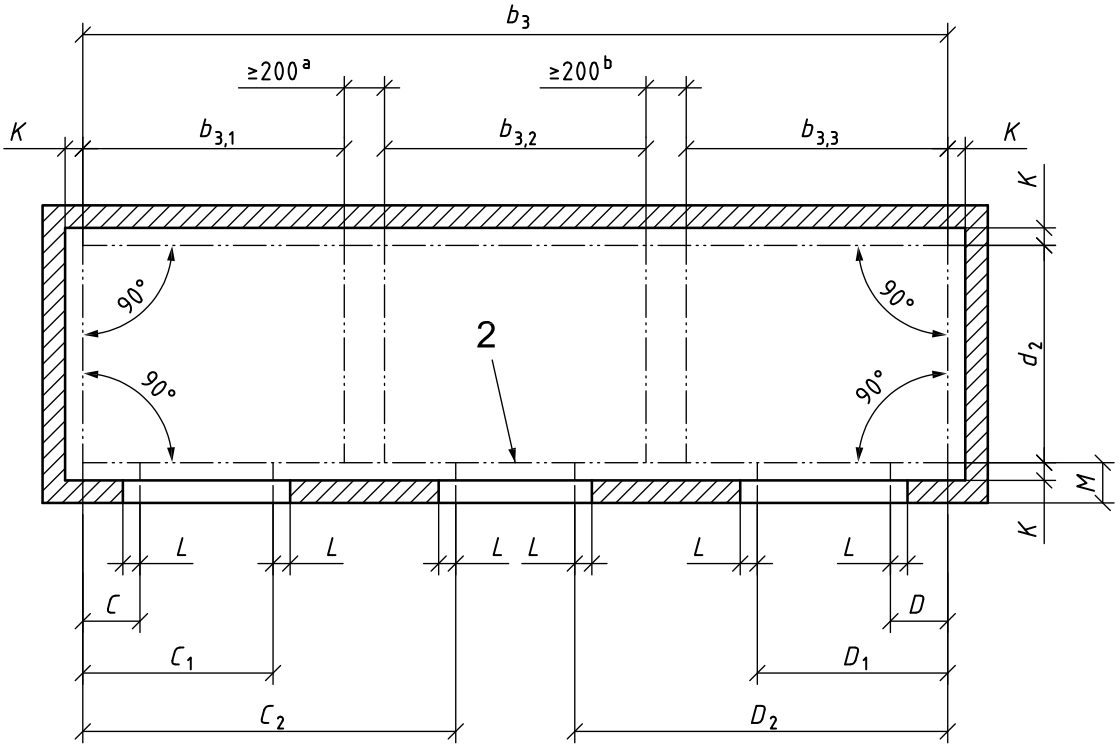
Published in Switzerland







Page 13, 4.4.2.2.1

Replace the bracket as follows:

The following symbols are used for the determination of the dimensions:

— b_4 minimum width
— d_4 minimum depth
— A floor area
— b_3 well width for one single lift
— d_2 well depth for one single lift
— n total number of lifts

} of the machine room for one single lift

Pages 18 and 19, Table 2

Replace Table 2 with the following table in which the header cells have been modified and a blank cell has been deleted in the row “Headroom, rated speed 2,00 m/s” in the “Intensive-use lifts” column. Also, in the row “Headroom” and column “Rated speed”, 1.50 m/s has been changed to 1,50 m/s.

Table 2 — Classes I, II, and VI lifts — Dimensions of headroom, pit depth, car and door height

Dimensions in millimetres

Parameter	Rated speed V_n	Lifts in residential buildings				General-purpose lifts			Intensive-use lifts				
		Rated load (mass)											
		kg											
		450	630	1 000	630	800	1 000/ 1 275	1 350	1 275	1 350	1 600	1 800	2 000
Height of car, h_4		2 200					2 300		2 400				
Height of car door and landing doors, h_3		2 000	2 100										
Pit depth [ae], d_3	0,40 m/s[b]	1 400			c								
	0,63 m/s	1 400							c				
	0,75 m/s												
	1,00 m/s												
	1,50 m/s	c	1 600										
	1,60 m/s												
	1,75 m/s												
	2,00 m/s	c		1 750	c	1 750							
	2,50 m/s	c		2 200	c	2 200							
	3,00 m/s	c							3 200				
	3,50 m/s								3 400				
	4,00 m/s[d]								3 800				
	5,00 m/s[d]								3 800				
	6,00 m/s[d]								4 000				

Table 2 (*continued*)

<table>
<tr><th rowspan="3">Parameter</th><th rowspan="3">Rated speed V_n</th><th colspan="12">Lifts in residential buildings</th><th colspan="5">General-purpose lifts</th><th colspan="5">Intensive-use lifts</th></tr>
<tr><td colspan="17">Rated load (mass)</td></tr>
<tr><td></td><td colspan="16">kg</td></tr>
<tr><td></td><td></td><td></td><td>450</td><td>630</td><td>1 000</td><td>630</td><td>800</td><td>1 000/ 1 275</td><td>1 350</td><td>1 275</td><td>1 350</td><td>1 600</td><td>1 800</td><td>2 000</td></tr>
<tr><td rowspan="14">Headroom[ae], h_1</td><td>0,40 m/s[b]</td><td colspan="6">3 600</td><td colspan="11">c</td></tr>
<tr><td>0,63 m/s</td><td colspan="6" rowspan="2">3 600</td><td colspan="3" rowspan="3">3 800</td><td colspan="3" rowspan="3">4 200</td><td colspan="5" rowspan="6">c</td></tr>
<tr><td>0,75 m/s</td></tr>
<tr><td>1,00 m/s</td><td colspan="6">3 700</td></tr>
<tr><td>1,50 m/s</td><td rowspan="3">c</td><td colspan="5" rowspan="3">3 800</td><td colspan="3" rowspan="3">4 000</td><td colspan="3" rowspan="3">4 200</td></tr>
<tr><td>1,60 m/s</td></tr>
<tr><td>1,75 m/s</td></tr>
<tr><td>2,00 m/s</td><td colspan="3" rowspan="2">c</td><td colspan="3">4 300</td><td>c</td><td colspan="4">4 400</td><td colspan="5" rowspan="2">5 500</td></tr>
<tr><td>2,50 m/s</td><td colspan="3">5 000</td><td>c</td><td colspan="2">5 000</td><td>5 200</td></tr>
<tr><td>3,00 m/s</td><td colspan="9" rowspan="5">c</td><td colspan="5">5 500</td></tr>
<tr><td>3,50 m/s</td><td colspan="5">5 700</td></tr>
<tr><td>4,00 m/s[d]</td><td colspan="5">5 700</td></tr>
<tr><td>5,00 m/s[d]</td><td colspan="5">5 700</td></tr>
<tr><td>6,00 m/s[d]</td><td colspan="5">6 200</td></tr>
</table>

[a] Some countries require additional headroom, h_1, and pit depth, d_3.

[b] For hydraulic lifts only.

[c] Non-standard configuration.

[d] Assumes advantages taken of reduced stroke buffering.

[e] For pit and headroom sizes for Japan, see national legislation.

Page 20, Table 4

Replace Table 4 with the following table. “1 600” is replaced by “4 600” in the cell corresponding to the row “Headroom, Rated speed 1,60” and the column “Rated load of 2 500 kg”. The symbol for machine room width is corrected to b_4.

Table 4 — Class III lifts (Health-care lifts) — Functional dimensions

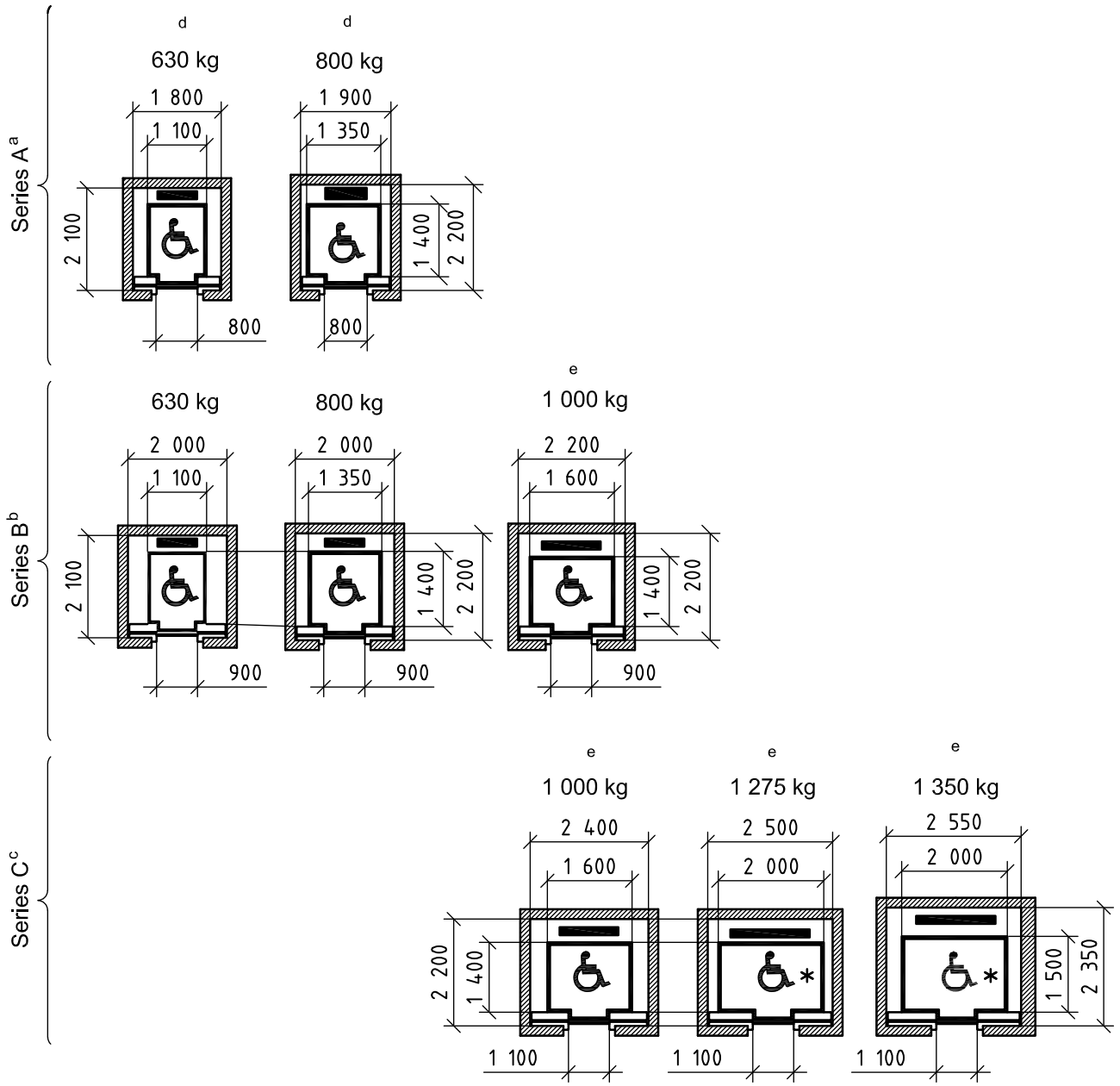
Parameter	Rated speed V_n m/s		Rated load (mass) kg			
			1 275	1 600	2 000	2 500
Car		Height, h_4 (mm)	2 300			
Car door and landing doors		Height, h_3 (mm)	2 100			
Pit depth, d_3	0,63		1 600			1 800
	1,00		1 700			1 900
	1,60		1 900			2 100
	2,00		2 100			2 300
	2,50		2 500			
Headroom, h_1	0,63		4 400			4 600
	1,00		4 400			4 600
	1,60		4 400			4 600
	2,00		4 600			4 800
	2,50		5 400			5 600
Machine room[a] (where needed)	0,63 m/s to 2,50 m/s	Surface, A (m^2)	25		27	29
		Width[b], b_4 (mm)	3 200			3 500
		Depth[b], d_4 (mm)	5 500		5 800	
[a] Site conditions and national regulations may require different machine room dimensions (b_4, d_4, h_2).						
[b] b_4 and d_4 are minimum values. The actual dimensions shall provide a floor area at least equal to A.						
Non-standard configuration for general-purpose or intensive-use lifts.						

Page 21, Figure 5, Note 3

Delete the underline below the symbol.

Page 22, Figure 6

Modify the presentation of Figure 6 as follows. The placement of some of the footnotes to the figure has changed.



NOTE 1 Lifts suitable for speeds up to and including 2,5 m/s (when higher speeds are used, add 100 mm to the well width and depth).

NOTE 2 The selection of either series A, B or C depends on national regulations or market requirements.

NOTE 3 Series A, B and C fulfil handicap requirements and carry the symbol: ♿. However, the selection of either an 800 mm or 900 mm door is subject to individual national regulations.

NOTE 4 Lifts marked thus: ♿ * allow full manoeuvrability (3-point turn) of a wheelchair.

[a] 800 mm entrances.

[b] 900 mm entrances.

[c] 1 100 mm entrances.

[d] Car height 2 200 mm, entrance height 2 100 mm.

[e] Car height 2 300 mm, entrance height 2 100 mm.

Figure 6 — Class I — General-purpose lifts

Page 23, Figure 7

Replace footnote [a] with the following:

[a] Only for lifts with 1 275 kg rated load and 2,50 m/s rated speed (see Figure 6).

In Note 2, delete the underline below the symbol.

Page 24, Figure 8, Note 3

Delete the underline below the symbol.

Pages 26, 27 and 28, Figure 10

Add the following note to Figure 10 a) and Figure 10 b):

NOTE Japan uses two sizes of wheelchair, one size is according to ISO 7193 (700 mm × 1 200 mm); the other size is an older model (650 mm × 1 050-1 100 mm).

Page 29

Add the following reference after Reference [1] in the Bibliography:

[2] ISO 7193, *Wheelchairs — Maximum overall dimensions*

