

	Cable designation	Intended areas for cable routing																				Description	Fastening hardware				
		Side panels, right				Side panels, left				Access point cover, upper/lower				Base, left			Base, centre		Base, right		 2.5x98 mm (0.098"x 3.858")		 4.5x160 mm (0.177"x 0.6299")				
		1	2	3	4	5	6	7	13	14	8	9	10	11	12	20	21	22	23	24					25	26	
Access 1 at a special height	1B0:1B01					X		X																Safety light barrier transmitter 1*	-	-	-
	1B0:1B02	X			X																			Safety light barrier receiver 1*	-	-	-
	1B0:1B03	X			X																			Safety light barrier transmitter 2*	-	-	-
	1B0:1B04					X		X																Safety light barrier receiver 2*	-	-	-
	1B0:1B05					X		X																Safety light barrier transmitter 3*	-	-	-
	1B0:1B06	X			X																			Safety light barrier receiver 3*	-	-	-
	1B0:1B07	X			X																			Safety light barrier transmitter 4*	-	-	-
	1B0:1B08					X		X																Safety light barrier receiver 4*	-	-	-
	1B0:1B01S					X																		Safety light curtain transmitter array	-	-	-
	1B0:1B01E	X																						Safety light curtain receiver array	-	-	-
	1B1:1B1S				X												X		X					Light curtain barrier transmitter	-	-	4
	1B1:1B1E				X												X							Light curtain barrier receiver	-	-	3
	S8-19/11_X15:1S8-44(46)_X15	X															X							Operating panel	-	-	-
	S8-19/11:B20, S8-19/11:B26	X														X		X						Shelf in front access point	-	-	-
	S8-19/11:B21, S8-19/11:B27					X											X	X						Shelf in rear access point	-	-	4
	S8-19/11_X4:X4/1	X															X							Bottom compartment LED connection	-	-	-
	S8-45_X80:S8-19/11_X80A	X															X							Expansion board connection	-	-	-
	X2.0:X2.1			X													X							Control line	-	-	-
	X1.0:Q2					X											X							Main switch	-	-	-
X2.1:1S4	X															X							Emergency stop switch	-	-	-	
X3:1S10	X																						Lighting	-	-	-	
Motor/extractor	S8-45_X87:S8-17_X87																			X	X	X	Extractor control line, spiral cable	-	6	-	
	S8V24:S8-80_X24																			X	X	X	Extractor control line, ribbon cable	-	6	-	
	X0:X1.0															X	X	X					Power supply line	-	5	-	
	X1.0:M1															X	X						Vertical motor power cable	-	7	-	
	X1.0-X2.0:M1															X	X						Brake, vertical motor thermosensor	-	-	-	
	X1.0-X2.0:M2															X			X	X				Horizontal motor spiral cable	-	-	-
																X	X					X	Horizontal motor ribbon cable	-	-	-	
	X2.0:S2															X								Lower safety switch	-	1	-
X2.0:S3															X	X							Service door switch	2	-	-	
	Cable loom, drawer right/left																							-	20	-	

*) In standard lifts, safety light barriers were replaced by the safety light curtain beginning in manufacturing week 21/2008.

Cable routing area, side panels / access at access point at standard height

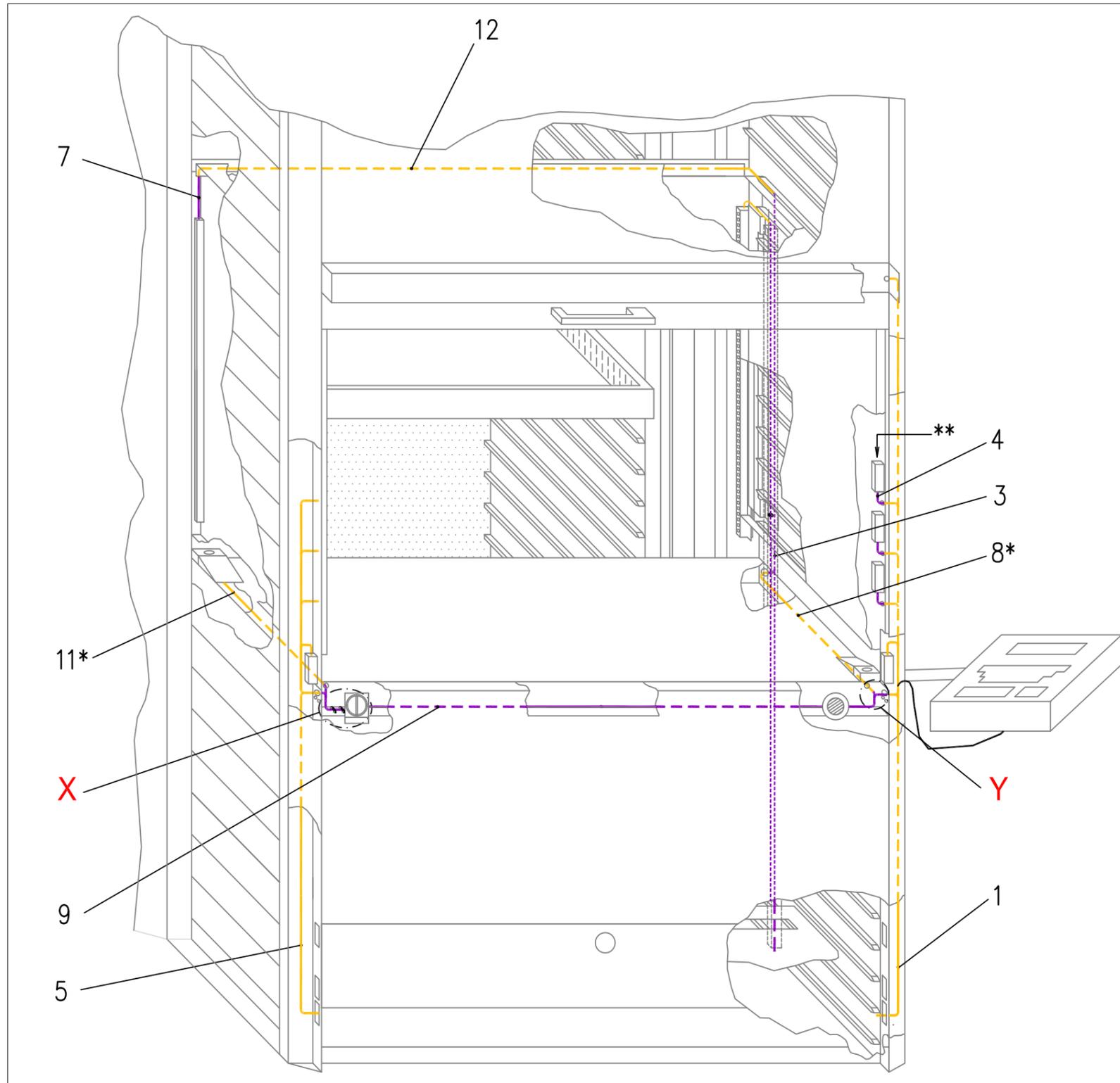


Fig. 1: Cable routing area, side panels / access at access point at standard height

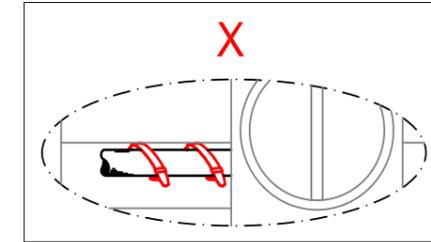


Fig. 2 Detail X

For the version with transporter, fasten the cable in the area of the locking levers using cable ties through the holes in the rear area of the front panel reinforcement.

Item	Description
1	Cover strip, right
3	Cable duct, 15x15 mm (0.591"x0.591")
4	Inside right side panel
5	Left cover strip in front of rectangular tube
7	Inside left side panel
8	Below right worktop
9	Cable duct in top front panel
11	Below left worktop
12	Upper rear access point cover
**)	In these areas, cables are fastened using adhesive clips. Clearance: Maximum of 40 cm (15.748") Caution: The substrate must be free of dust and grease.
***)	For lifts with lift run with door closed (see installation instructions "LL-ZUHAL"), the single-beam light barriers are omitted.

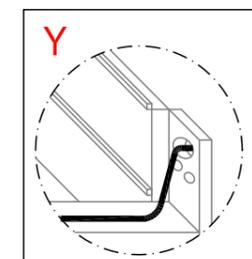


Fig. 3: Detail Y



For cable bushings, ensure that no sharp edges are present.

Zust.	Änderung	Datum	Name	Norm
c	Lichtvorhang für Lichtschranken	26.01.09	rep	Datum
b	Entnahme in Sonderhöhe hinzu	24.09.08	rep	Bearb.
a	In OO übertragen	02.10.06	svh	

HÄNEL

Installation
Instructions

Cable Routing Diagram for
Model with One Access Point

Cable routing area, side panels / access at access point at a special height

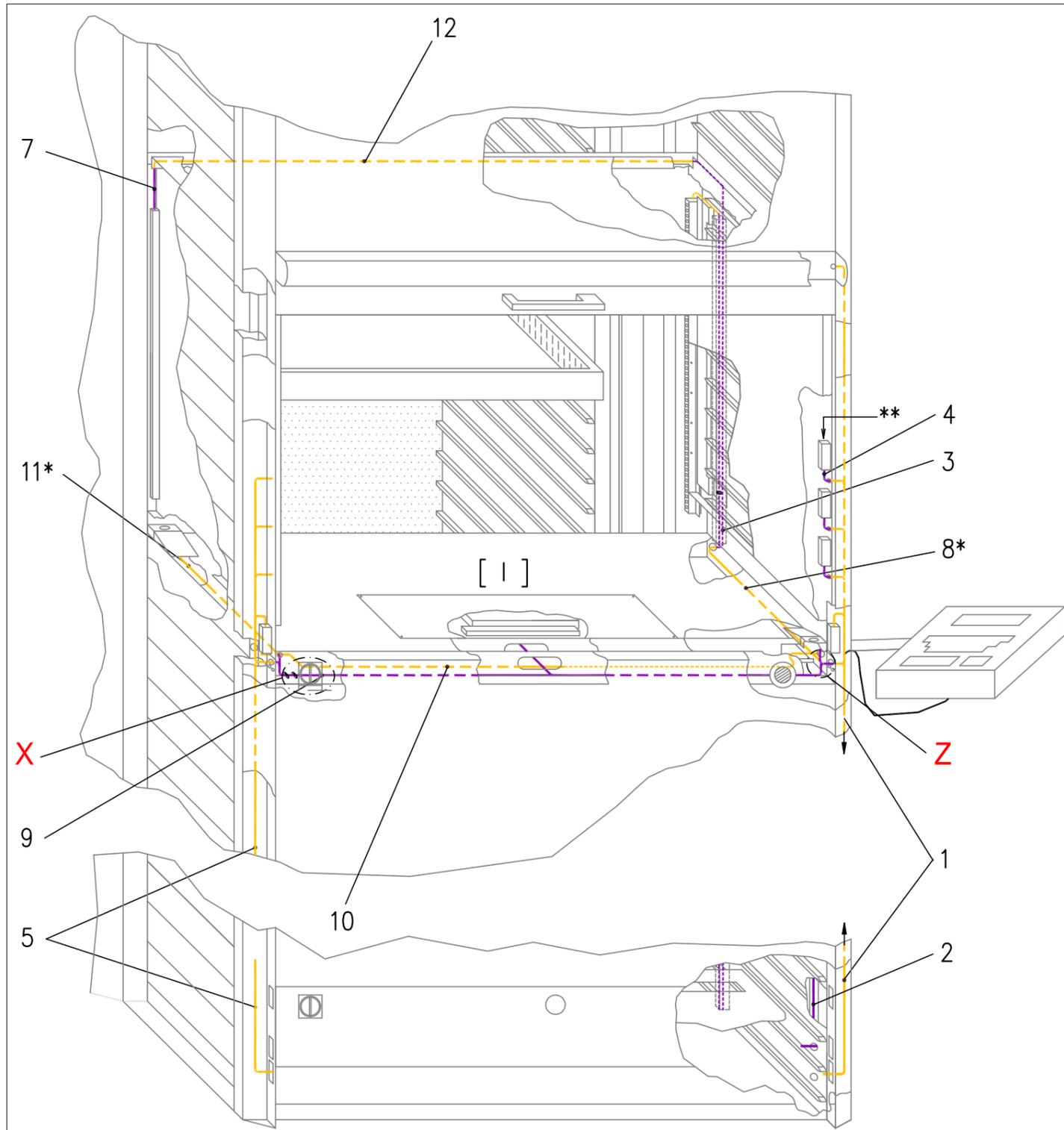


Fig. 4: Cable routing area, side panels / access at access point at a special height

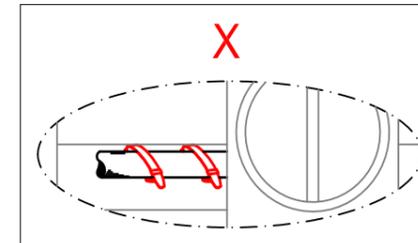


Fig. 5 Detail X

For the version with transporter, fasten the cable in the area of the locking levers using cable ties through the holes in the rear area of the front panel reinforcement.

Item	Description
1	Cover strip, right
2	Cable duct, right
3	Cable duct, 15x15 mm (0.591"x0.591")
4	Inside right side panel
5	Left cover strip in front of rectangular tube
7	Inside left side panel
8	Below right worktop
9	Cable duct in top front panel
10	Cable duct below front worktop
11	Below left worktop
12	Upper rear access point cover
**)	In these areas, cables are fastened using adhesive clips. Clearance: Maximum of 40 cm (15.748") Caution: The substrate must be free of dust and grease.
***)	For lifts with lift run with door closed (see installation instructions "LL-ZUHAL"), the single-beam light barriers are omitted.
[1]	Access point 1

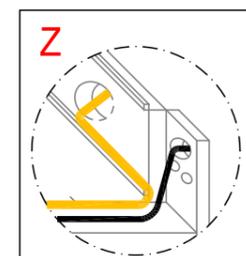


Fig. 6: Detail Z



For cable bushings, ensure that no sharp edges are present.

Zust.	Änderung	Datum	Name	Norm	Urpr.	Ers.f
c	Lichtvorhang für Lichtschranken	26.01.09	rep	Datum	02.10.06	
b	Entnahme in Sonderhöhe hinzu	24.09.08	rep	Bearb.		
a	In OO übertragen	02.10.06	svh			

HÄNEL

Installation
Instructions

Cable Routing Diagram for
Model with One Access Point

\\infos\CABLELL1.en.odt

Page 4 / 5

Lean-Lift

CABLELL1.en.odt

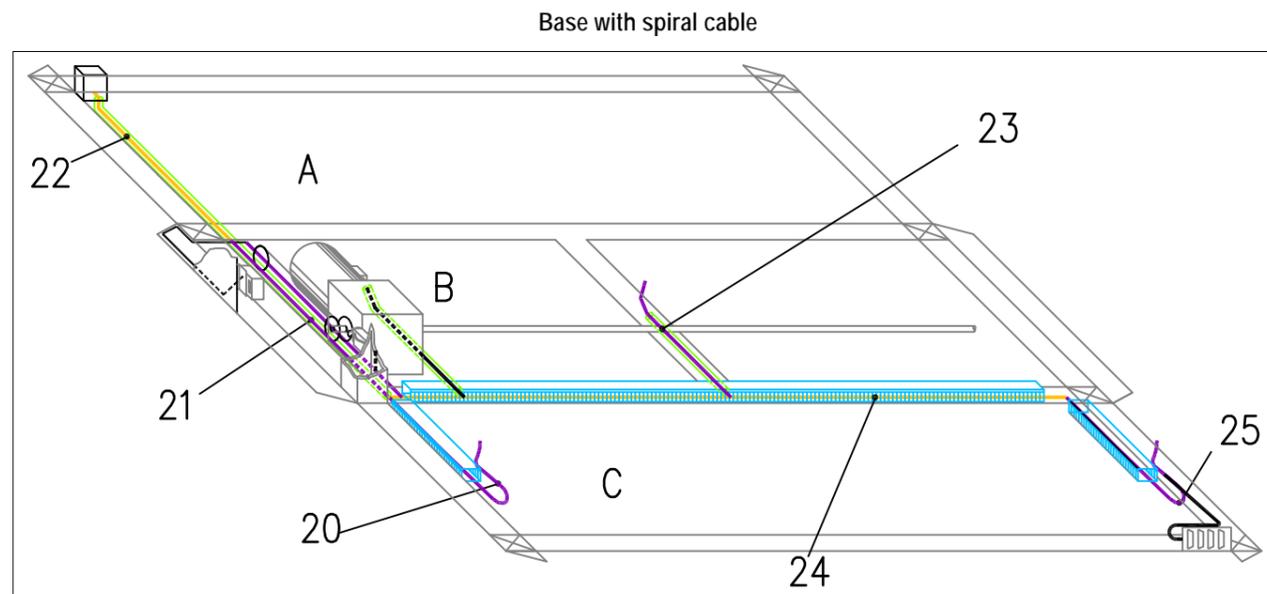


Fig. 7: Cable routing area, base with spiral cable

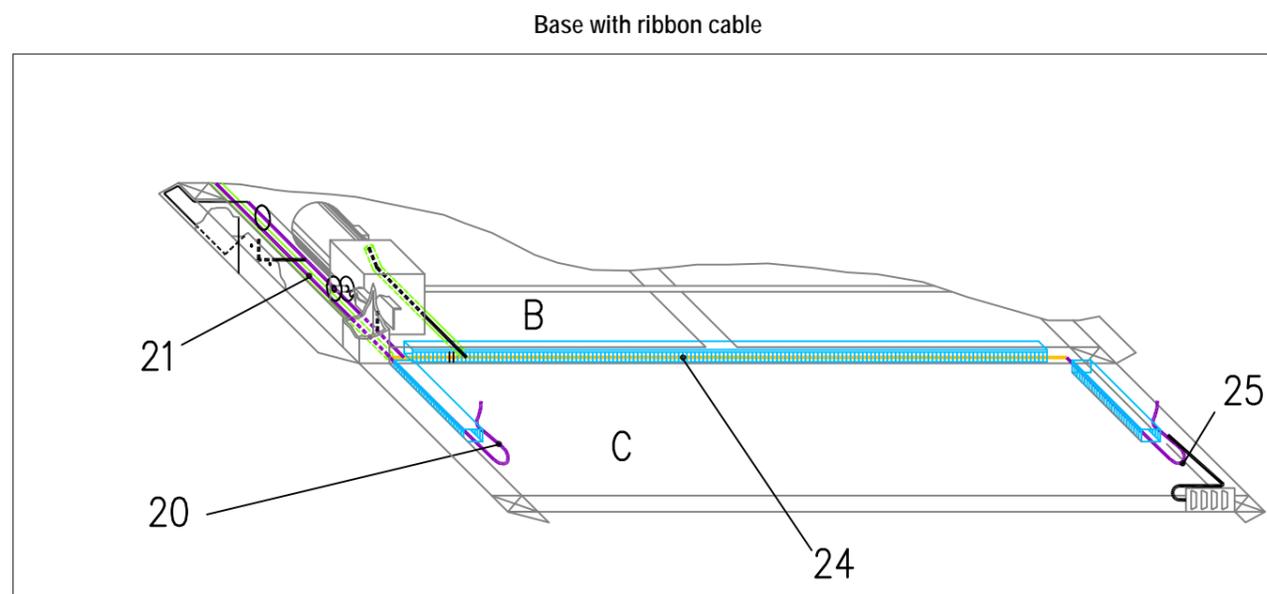


Fig. 10: Cable routing area, base with ribbon cable



Fig. 8: Protective tube

M25

Power cables are routed in the protective tube.
See Fig. 7, 10

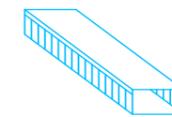


Fig. 9: Cable duct

Installing the cable ducts:

See Fig. 7, Fig. 10 and installation instructions

Item	Description
20	Main frame, left cross-tie in cable duct 60x40 mm (2.362" x 1.575")
21	Main frame, left cross-tie
22	Main frame, left cross-tie
23	Main frame, connection of cross-ties
24	Main frame, front cross-member in cable duct 60x40 mm (2.362" x 1.575")
25	Main frame, right cross-tie in cable duct 60x40 mm (2.362" x 1.575")
A	Rear storage area
B	Drive shaft
C	Front storage area

Caution:



Data lines such as multipoint, RS-232, proximity switch and light barrier cables should, whenever possible, not be routed together with power cables.

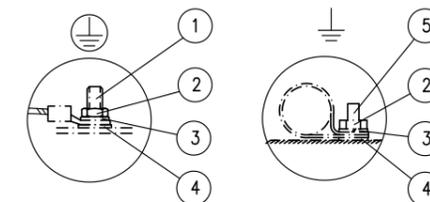


Fig. 11: Earth wire connection in electrical drawer

Item	Description
1	Earthing bolt
2	Nut M4, DIN EN 934
3	Toothed lock washer DIN 6797-A 6.4-FSt
4	Plain washer DIN 128 – A4-FSt
5	Earthing bolts

Zust.	Änderung	Datum	Name	Norm
c	Lichtvorhang für Lichtschranken	26.01.09	rep	Datum
b	Entnahme in Sonderhöhe hinzu	24.09.08	rep	Bearb.
a	In OO übertragen	02.10.06	svh	

HÄNEL

Installation
Instructions

Cable Routing Diagram for
Model with One Access Point