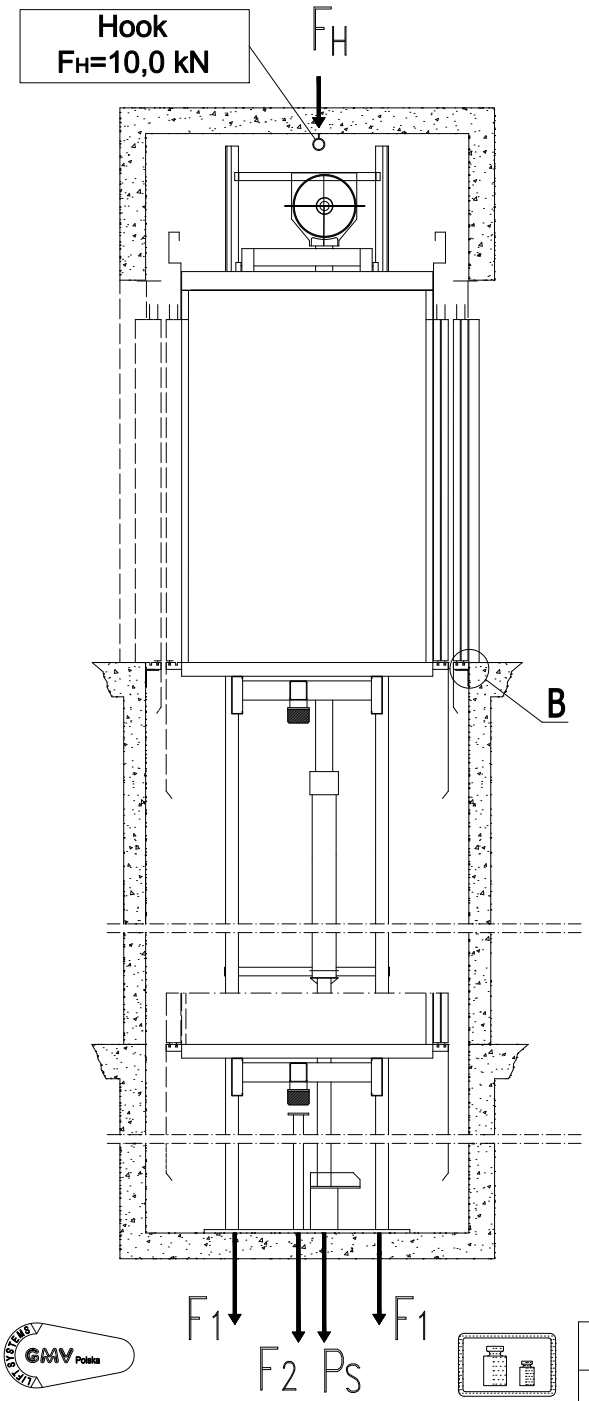
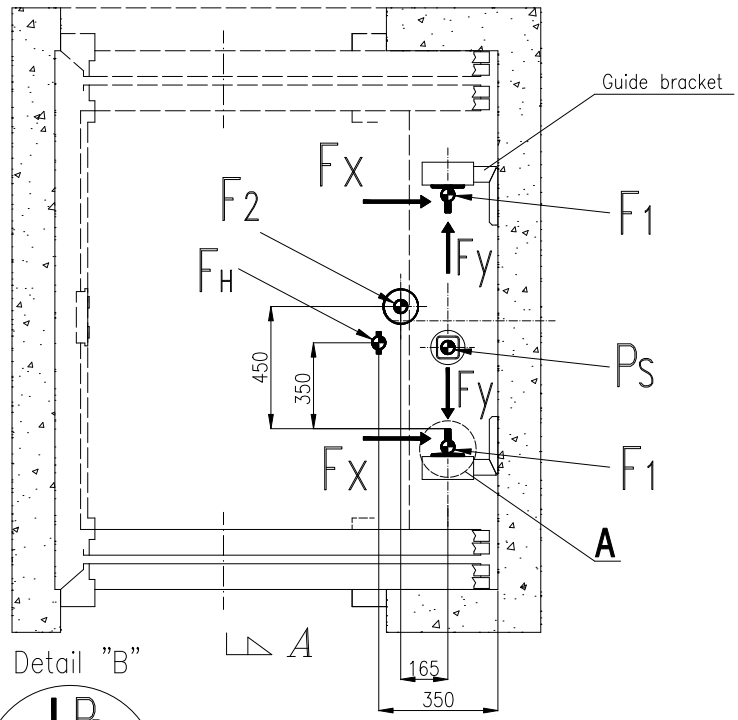
FORCES ON PIT FLOOR

Payload [kg]	Fx [kN]		Fy [kN]		Vertical force under guide F1 [kN]		Vertical force under buffer F2 [kN]		Vertical force under piston PS [kN]		Emphasis on sill PR [kN]
	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	
350	2,4	–	1,2	–	14,1	–	7,4	–	18,6	–	1,4
450–480	3,3	3,4	1,7	1,0	16,7	17,6	9,2	9,6	22,5	23,4	1,9
630	4,8	5,0	2,2	1,5	20,3	21,4	11,8	12,6	27,7	29,2	2,5

SHAFT SECTION A–A

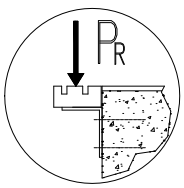


SHAFT PLAN

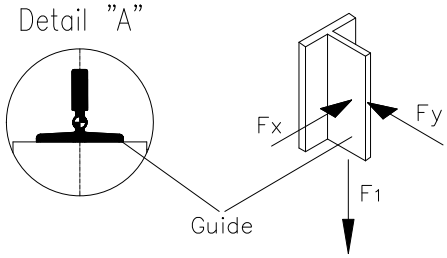


A

Detail "B"



Detail "A"



F1 - vertical force under guide
F2 - vertical force under buffer
PS - vertical force under piston
FH - vertical force affecting hook
PR - emphasis on sill

ATTENTION:
F2 - static load exerted by the weight of the loaded car (vertical force under buffer) F2 [N] = (weigt of the empty car and frame + nominal load) * 9,81
Pit floor under buffer pilars should move quadruple load resulting from the force F2 (PN-EN 81-2 p:5.3.2.2)

IN ORDER TO FIND EXACT POSITION OF FORCES IN THE SHAFT USE THE DRAWINGS OF SPECIFIC LIFT

Change	Date	Description

Name: CONSTRUCTION DIRECTIVES

Description: Forces on Pit floor GLF–MRL 320–630 kg

No. of catalogue:	No. of drawing:	Date version:
4-2	GMV.MRL.320–630.S	24.05.2016
Date: 14.09.2011		Version: 2.6