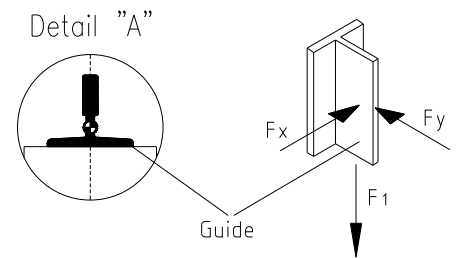
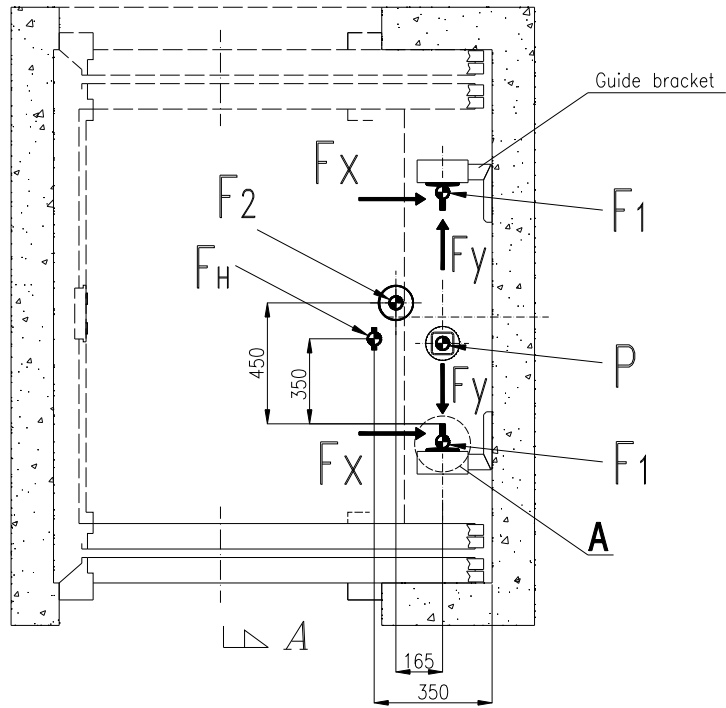
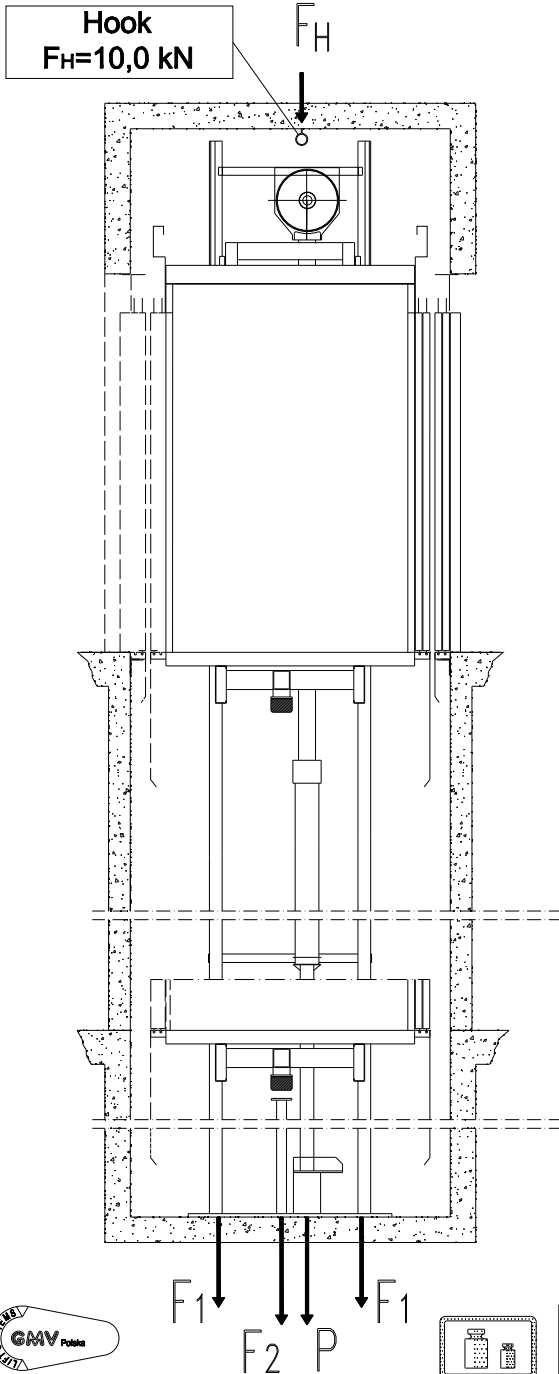


FORCES ON PIT FLOOR

Payload [kg]	F_x [kN]		F_y [kN]		Vertical force under guide F_1 [kN]		Vertical force under buffer F_2 [kN]		Vertical force under piston P [kN]	
	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances
320-350	2,4	-	1,2	-	14,1	-	7,4	-	18,6	-
450-480	3,3	3,4	1,7	1,0	16,7	17,6	9,2	9,6	22,5	23,4
630	4,8	5,0	2,2	1,5	20,3	21,4	11,8	12,6	27,7	29,2

SHAFT SECTION A-A

SHAFT PLAN



- F_1 - vertical force under guide
- F_2 - vertical force under buffer
- P - vertical force under piston
- F_H - vertical force affecting hook

ATTENTION:
 F_2 - static load exerted by the weight of the loaded car $F_2=P+Q$
 Pit floor under buffer pilars should move quadruple load resulting from the force F_2 (PN-EN 81-2 p:5.3.2.2)
 F_1 - force from the guide + reaction from working parachutes (PN-EN 81-2 p:5.3.2.1)

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

Change	Date	Description		
		No. of catalogue: 4-2	No. of drawing: GMV.MRL.320-630.S	Date version: 18.05.2013
		Date: 14.09.2011		Version: 2.5

