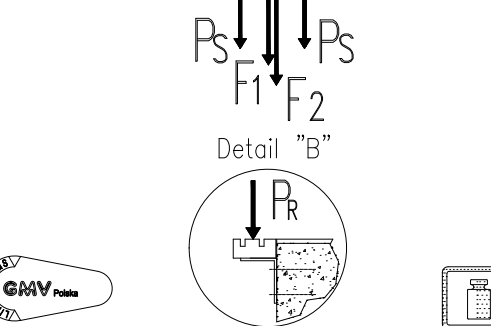
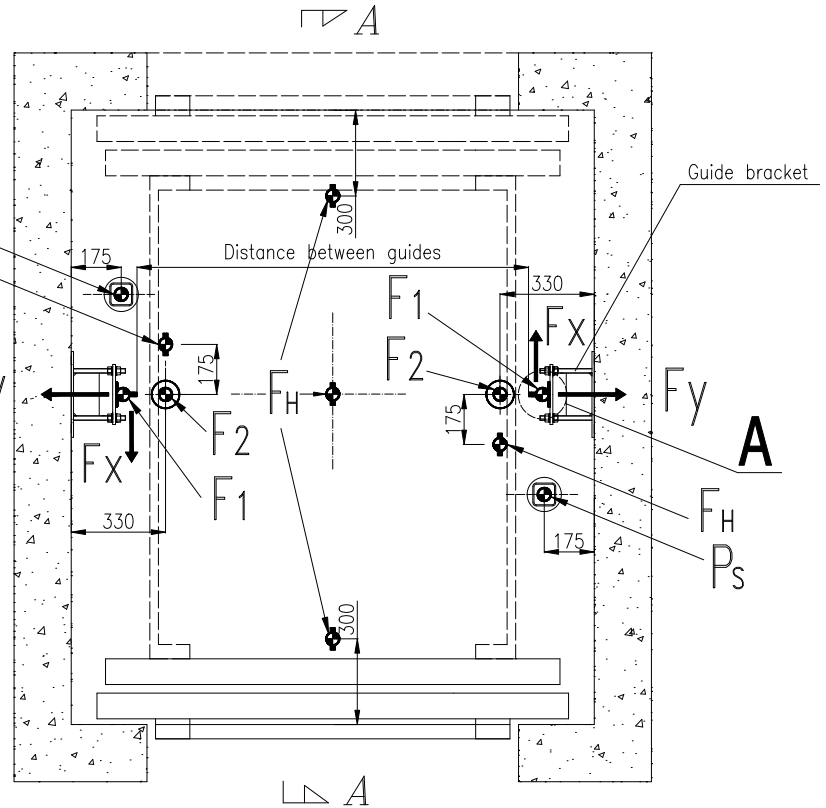
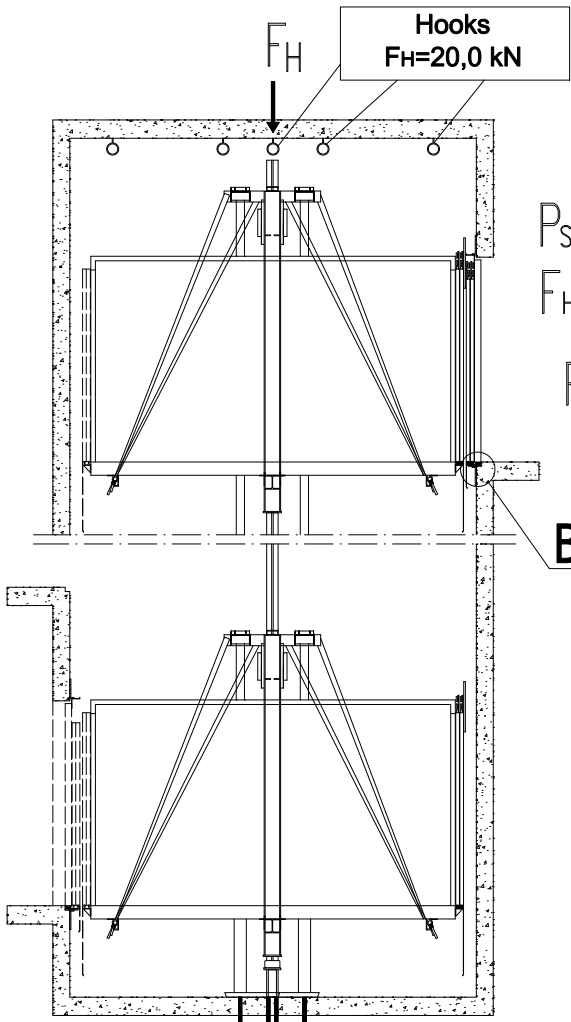


FORCES ON PIT FLOOR

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_s [kN]		Emphasis on sill P_R [kN]
	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances	
1200–2500	3,4	2,7	3,0	3,0	2,0	2,0	20,1	20,9	30,8	31,5	14,7
1600–2500	3,4	3,3	3,6	3,6	2,0	2,0	21,0	22,0	31,9	32,6	14,7
1800–2500	4,3	3,9	5,0	5,1	2,0	2,0	24,6	25,9	32,9	33,6	14,7
2100–4000	6,4	5,9	7,0	7,0	2,6	2,0	30,3	31,3	44,2	45,2	23,5
2250–4000	7,3	6,8	7,2	7,3	2,6	2,6	31,9	33,3	45,2	46,3	23,5
2900–4000	15,5	15,0	11,5	11,7	3,4	3,4	42,6	44,3	46,2	47,3	33,3
3200–6000	11,8	11,2	11,1	11,3	3,0	3,0	46,2	46,6	61,0	62,4	50,0

SHAFT SECTION A-A

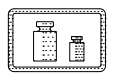
SHAFT PLAN



- 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) F_2 [N] = (weight of the empty car and frame + nominal load) * 9,81*
Pit floor under buffer pilars should move quadruple load resulting from the force F_2 (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



		Description	
Change	Date		
No. of catalogue: 4-10		No. of drawing: GMV.GPL.12-60.S	Date version: 24.05.2016
Date: 20.09.2011		Version: 2.6	

Name: CONSTRUCTION DIRECTIVES

Description: Forces on Pit floor
GPL 1200–6000 kg

