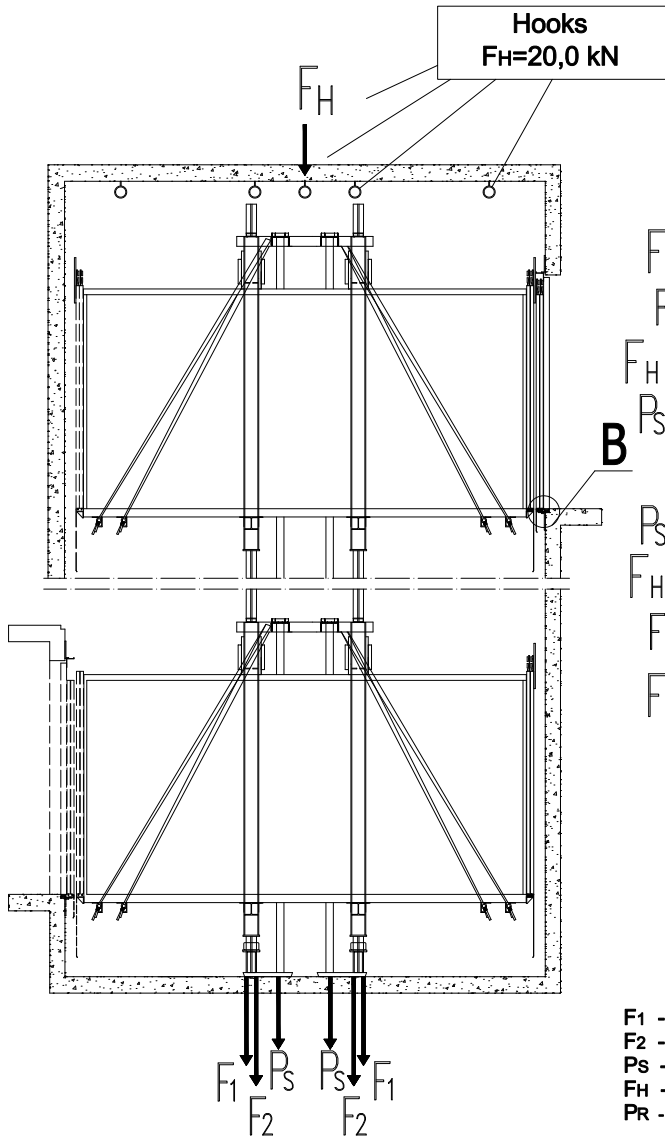


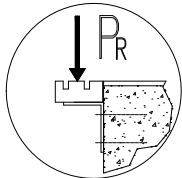
FORCES ON PIT FLOOR

Payload [kg]	F_x [kN]		F_y [kN]		Vertical force under guide F₁ [kN]		Vertical force under buffer F₂ [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	
6000-12500	18,7	18,1	10,5	10,6	3,4	3,4	40,3	41,8	48,8	49,9	104,2

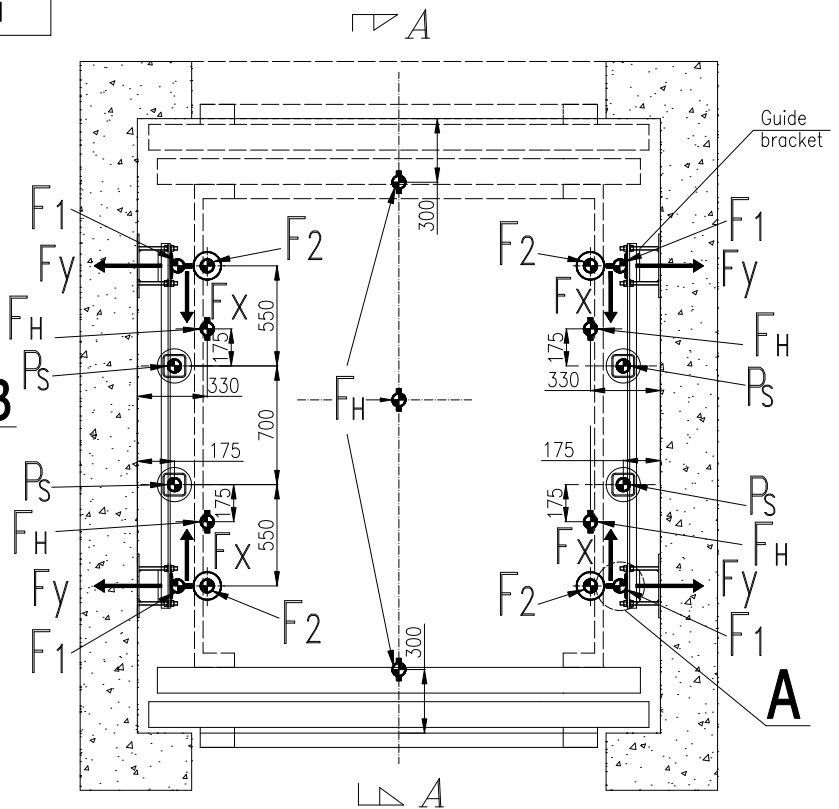
SHAFT SECTION A-A



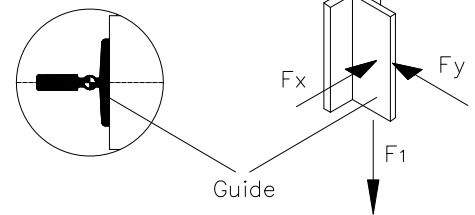
Detail "B"



SHAFT PLAN



Detail "A"

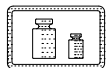


- F₁ - vertical force under guide
- F₂ - vertical force under buffer
- P_s - vertical force under piston
- F_H - vertical force affecting hook
- P_R - emphasis on sill

ATTENTION:

*F₂ - static load exerted by the weight of the loaded car (vertical force under buffer) $F_2 [N] = (\text{weight of the empty car and frame} + \text{nominal load}) * 9,81$*
Pit floor under buffer pillars 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



Name: CONSTRUCTION DIRECTIVES	Change	Date	Description		
Description: Forces on Pit floor SUPER-GPL 6000-12500 kg	4-12		No. of catalogue:	No. of drawing:	Date version:
	Date: 23.09.2011		GMV.S-GPL.S		24.05.2016
			Version: 2.6		GMV