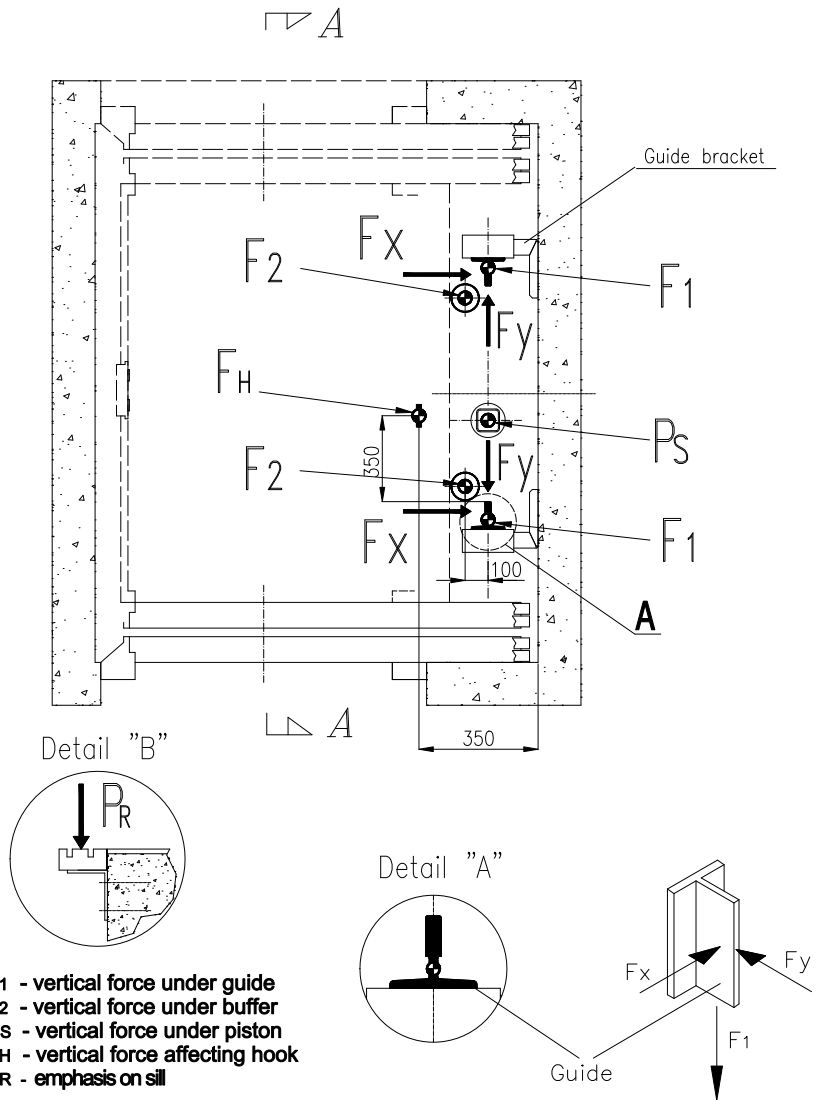
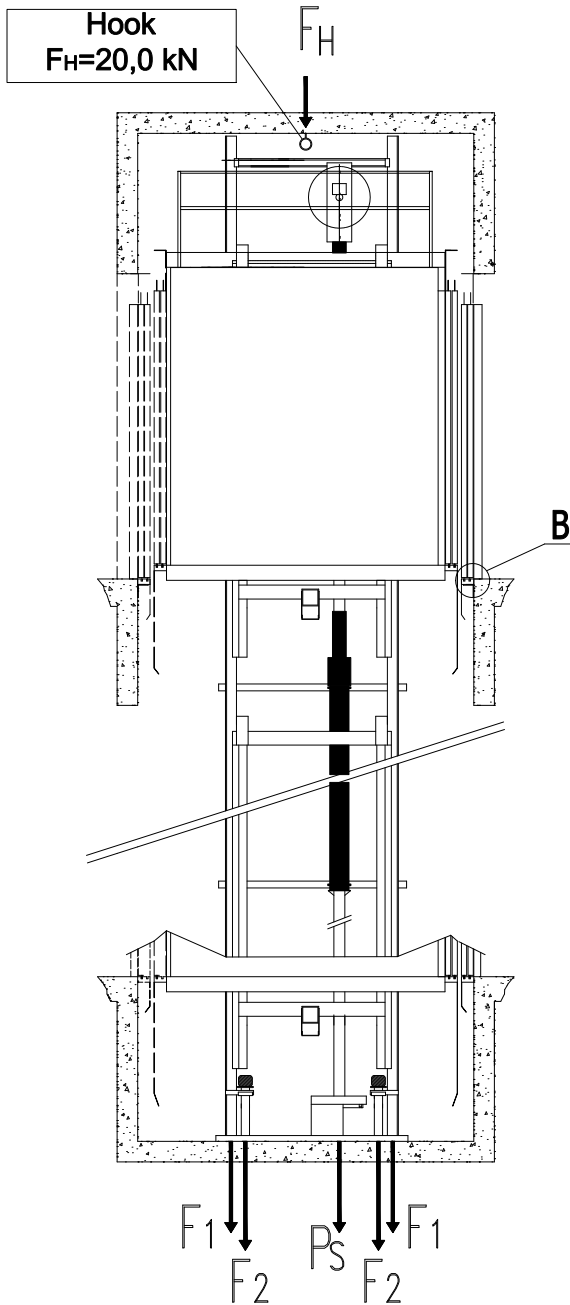


FORCES ON PIT FLOOR

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	
1600	13,6	14,0	7,0	5,9	47,1	48,3	14,2	14,6	64,2	65,7	6,3

SHAFT SECTION A-A ↷

SHAFT PLAN ↷ A

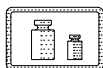


- F_1 - vertical force under guide
- F_2 - vertical force under buffer
- P_s - vertical force under piston
- F_H - vertical force affecting hook
- P_R - emphasis on sill

ATTENTION:

F_2 - 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 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



Name: CONSTRUCTION DIRECTIVES

Description: Forces on Pit floor
GL TML 1600 kg

Change	Date	Description		
		No. of catalogue: 4-5	No. of drawing: GMV.TML.1600.S	Date version: 24.05.2016
	20.09.2011			Version: 2.4

