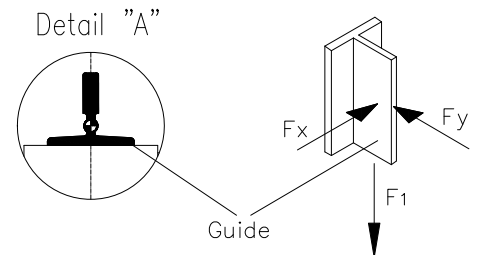
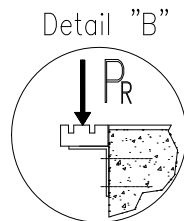
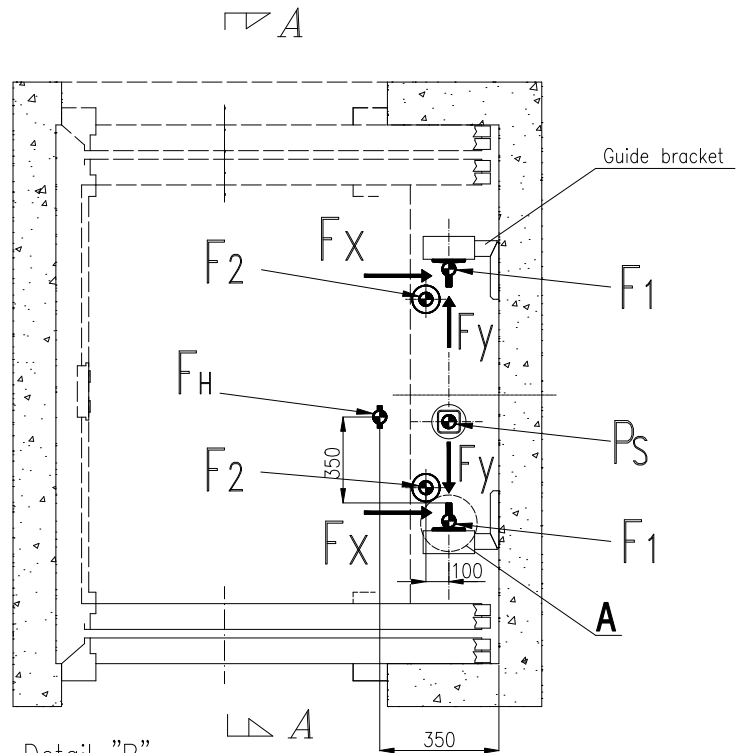
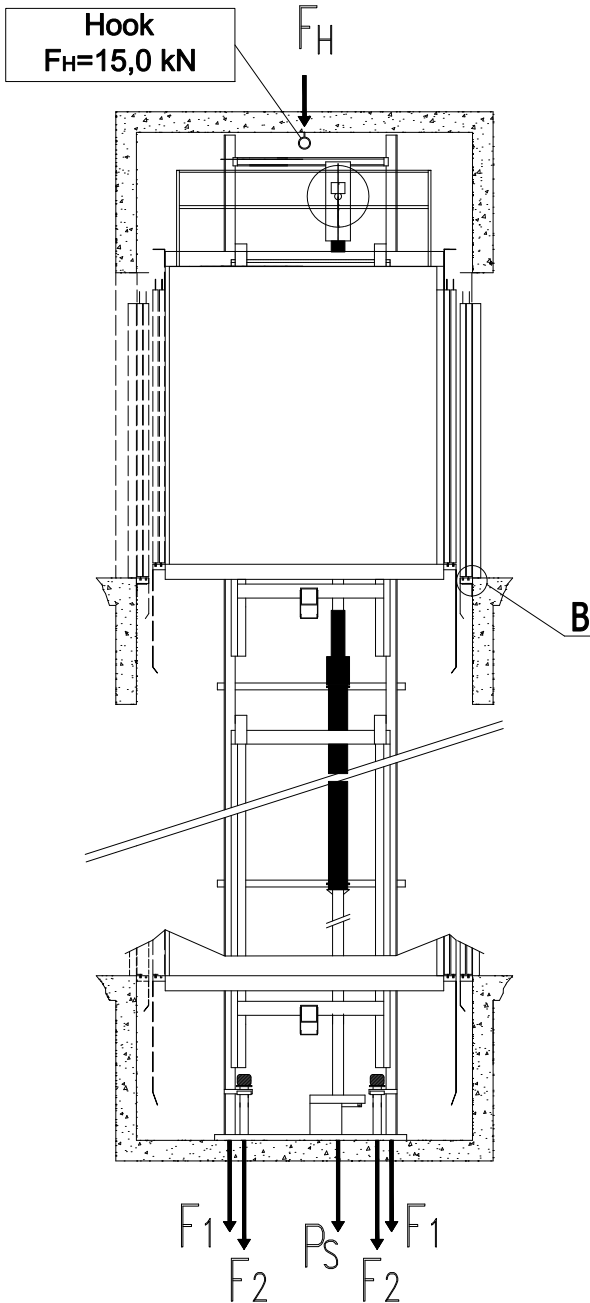


FORCES ON PIT FLOOR

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	
900-1025	6,9	7,3	3,8	2,9	28,9	30,4	8,8	9,3	39,2	43,6	4,0

SHAFT SECTION A-A ↷

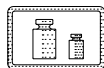
SHAFT PLAN ↷ A



- 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



Change	Date	Description		
Name: CONSTRUCTION DIRECTIVES		No. of catalogue: 4-3	No. of drawing: GMV.MRL-MC.900-1025.S	Date version: 24.05.2016
Description: Forces on Pit floor GL-MRL 900-1025 kg		Date: 14.09.2011	Version: 2.5	GMV