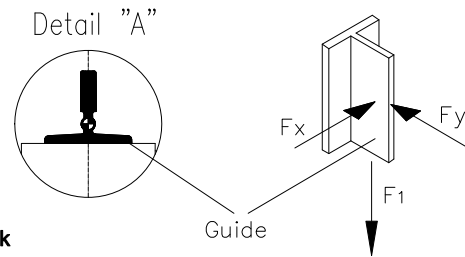
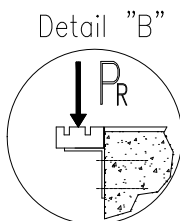
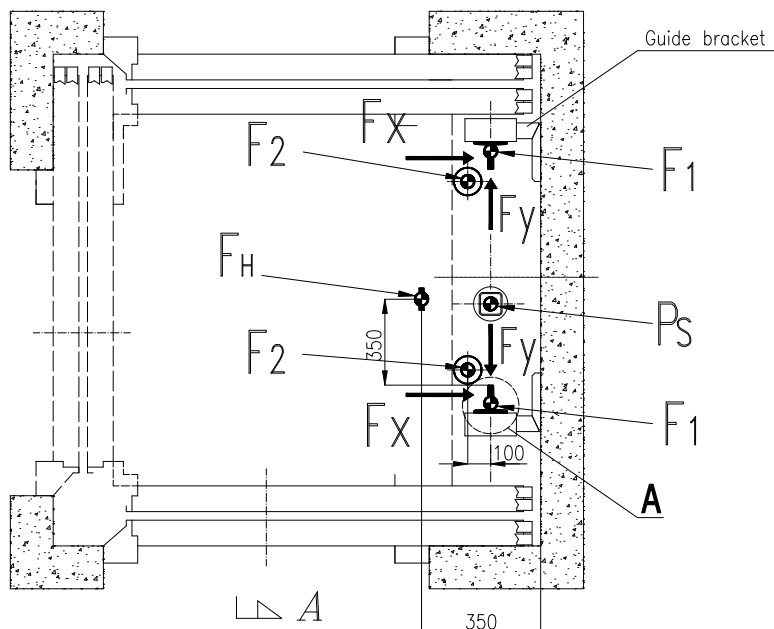
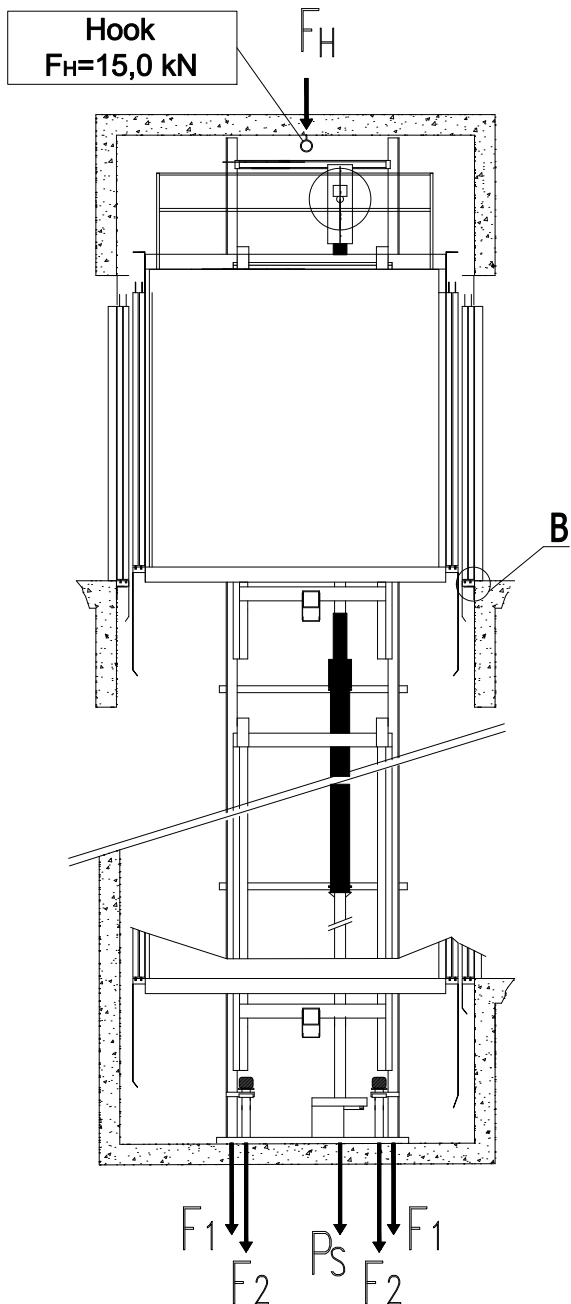


FORCES ACTING ON SHAFT

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]
900	11	3,7	34,1	8,7	46,2	3,5

VERTICAL SECTION A-A ↷

PLAN VIEW ↷ A

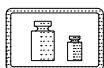


- F_1 - vertical force under guide
- F_2 - vertical force under buffer
- P_s - vertical force under piston
- F_H - vertical force affecting hook
- P_R - emphasis on sill

ATTENTION:

F_2 - static load exerted by the weight of the loaded car (vertical force under buffer) F_2 [N] = (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



Name: CONSTRUCTION DIRECTIVES
Description: FORCES ACTING ON SHAFT
GL TML 900kg THREE-IN / 3 entrances

Change	Date	Description		
		No. of catalogue:	No. of drawing:	Date version:
				24.05.2016
		Date:		Version:
		15.03.2013		2.2

