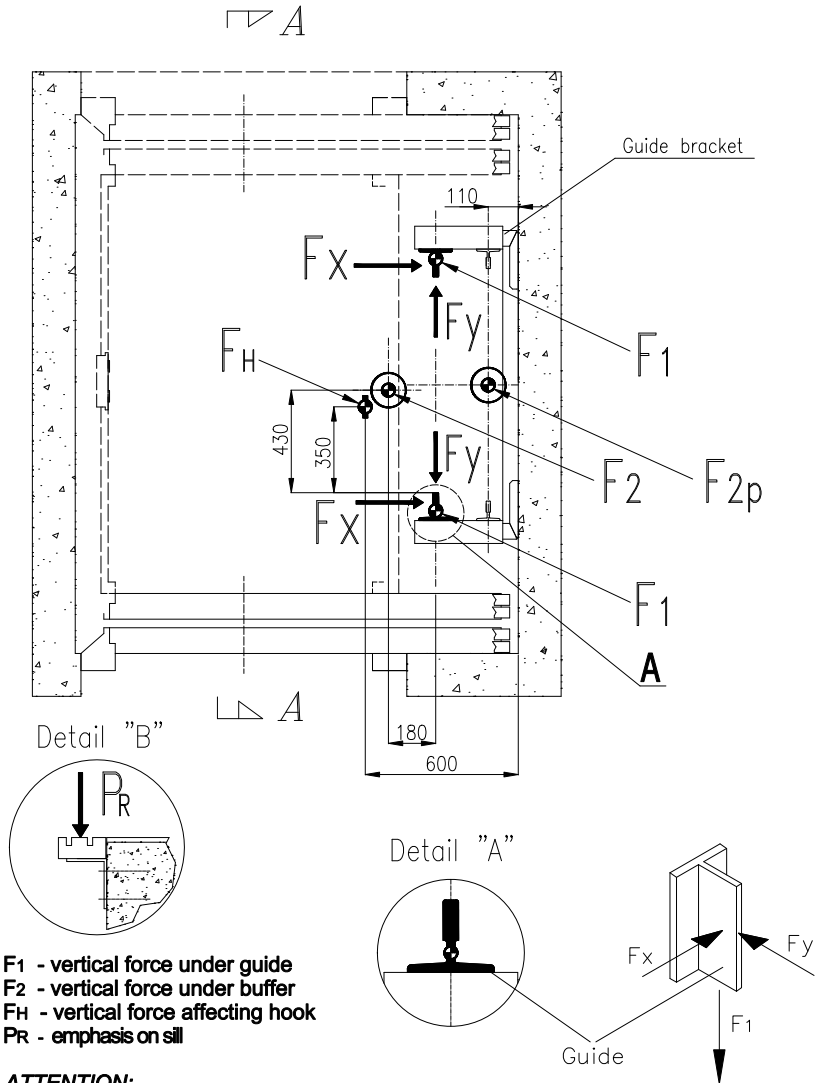
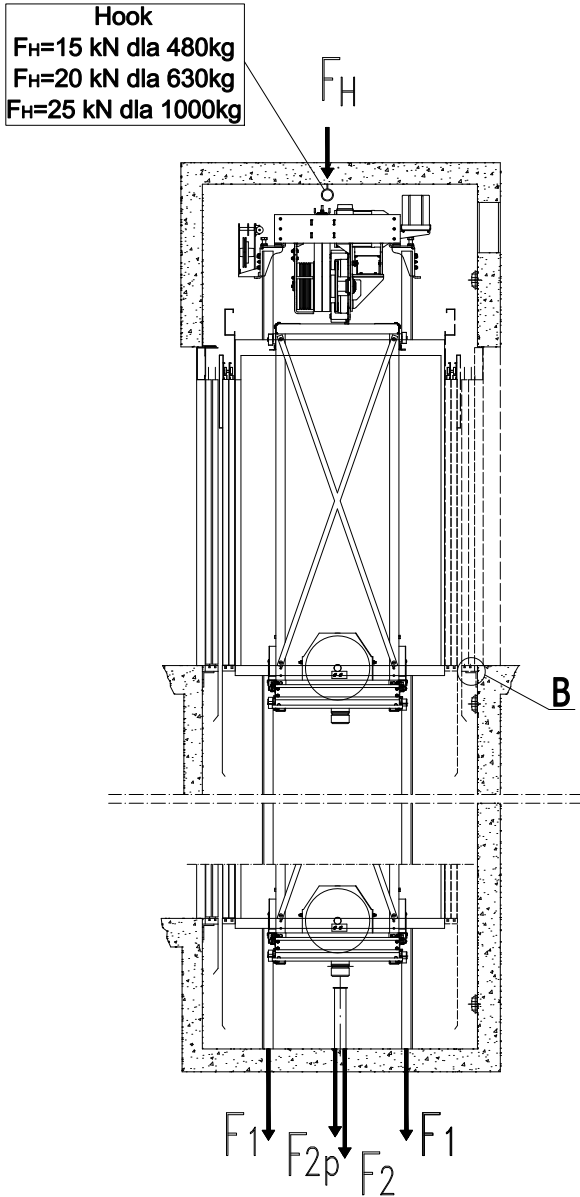


FORCES ON PIT FLOOR

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 counterweight F_{2p} [kN]	Emphasis on sill P_R [kN]
	1 entrance	2 entrances	1 entrance	2 entrances	1 entrance	2 entrances			
350-480	2,5	2,4	0,9	0,8	14,3	14,7	17,9	12,5	1,9
630	3,2	3,1	1,2	1,1	16,9	17,3	23,0	16,0	2,5
1000	4,5	4,6	2,5	2,1	20,1	20,5	36,0	26,0	3,9

SHAFT SECTION A-A

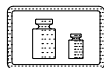
SHAFT PLAN



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 pilars should move quadruple load resulting from the force **F2**.

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: 4-6	No. of drawing: GMV.GLT.S	Date version: 20.02.2018
Description: Forces on Pit floor GLT 350-1000 kg		Date: 20.02.2018	Version: 1.0	

