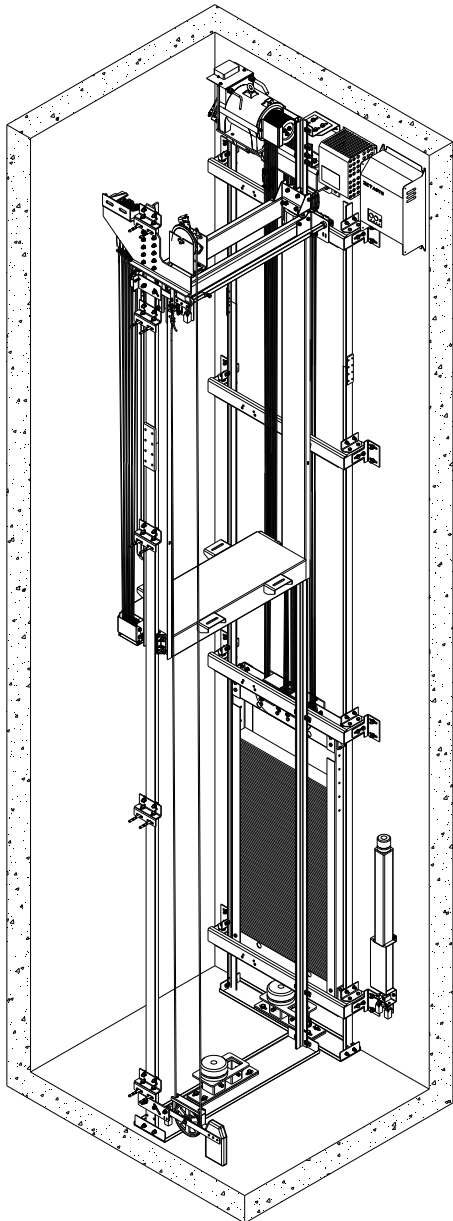


ATLAS 2:1-RPH

PLANNING DATA



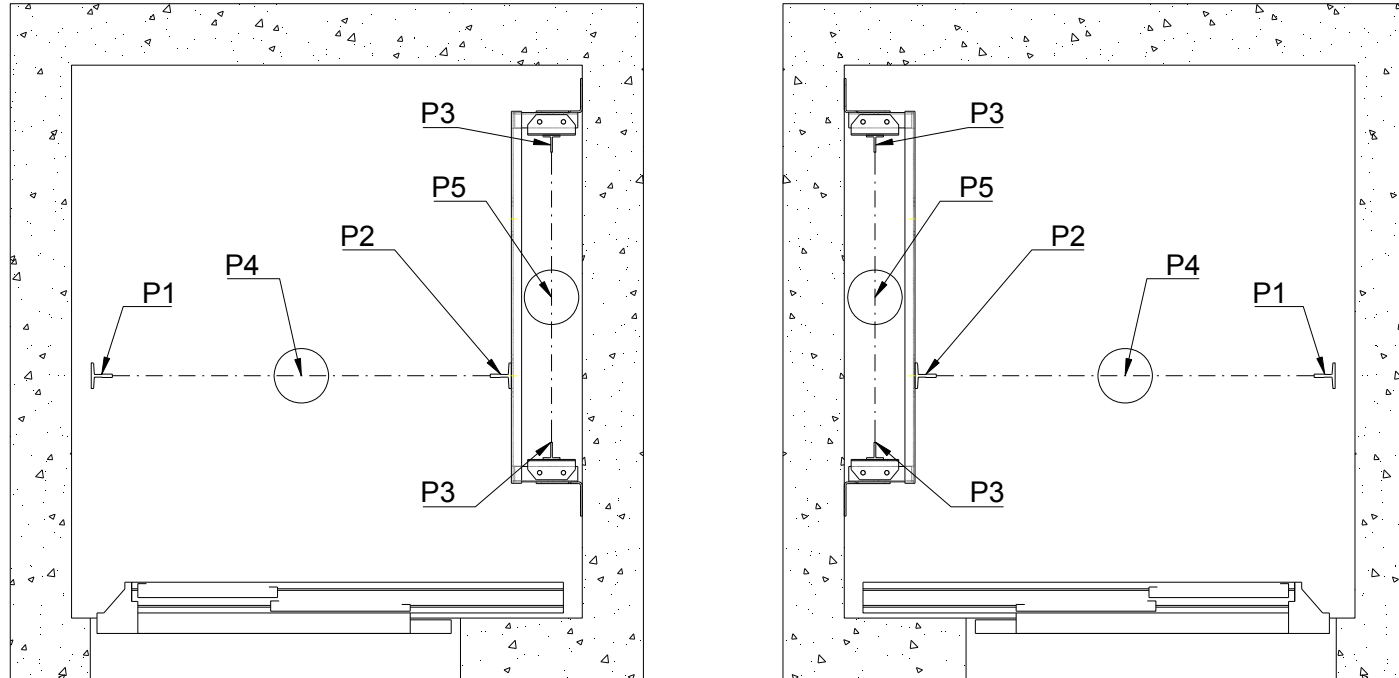
Technical specifications					
Rated Load (Kg)	300 375 450 630 750				
Persons	4	5	6	8	10
Suspension	2:1				
max Travel (m)	45				
Stops	16				
max Car speed (m/sec)	1.00				
min Pit (mm) *	370				
min Headroom (mm) *	2900				
Car Sling weight (Kg)	~145	~145	~150	~150	~155
max Empty car weight P (Kg)	640	800	850	800	700
Car Guide Rails / Cwt Guide Rails	T75x62x10 / T50x50x5				
max Vertical Distance Between Brackets (mm)	2000				
Ropes	DRAKO 250STX Ø4				
Number of Ropes	7 x Ø4	10 x Ø4	10~12 x Ø4	12 x Ø4	12 x Ø4
Machine Type	ZIEHL-ABEGG SM160				
Current ** (Nominal/ Starting) (A)	6.1 / 10.0	7.0 / 11.7	8.4 / 13.6	11.4 / 16.9	12.1 / 17.6
Power (KW)	2.6	3.5	3.5	3.5 ~ 4.6	4.6
Counterweight dbg (mm)	600	650~1000			

Traction Gearless Lift certified according to 95/16/EC Lift Directive

* under certain circumstances. Contact KLEEMANN Export Sales department
 ** the current is calculated for 45m travel and 1.0m/sec speed

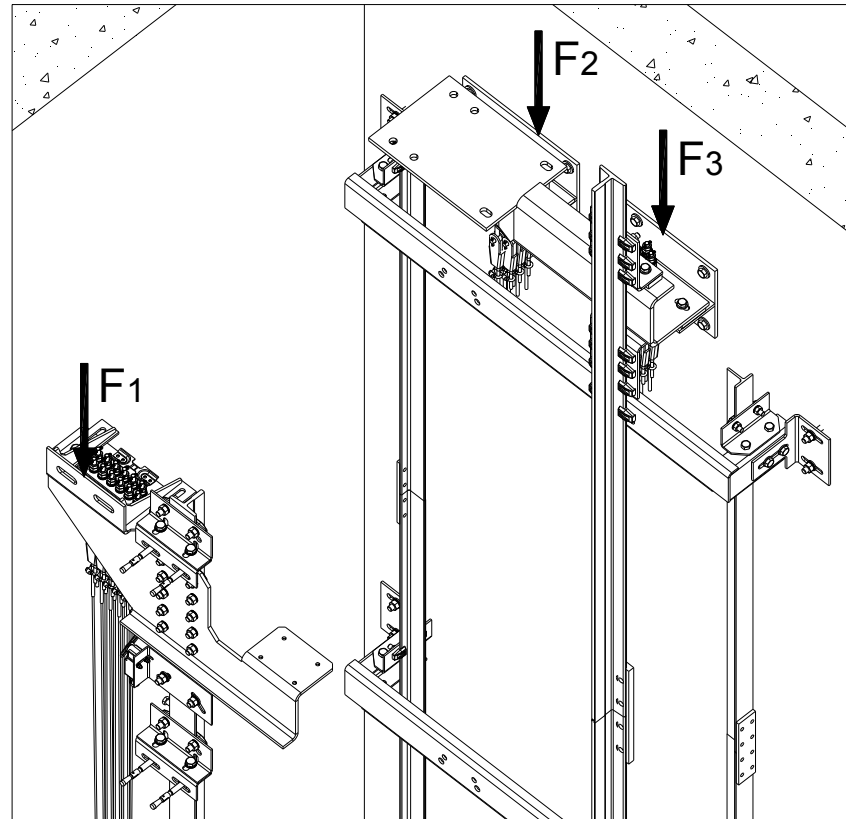
FORCES ON SHAFT

a. Forces on pit floor



RATED LOAD [Kg]	300	375	450	630	750
P1 [KN]	13.5	15.8	17.0	18.3	18.5
P2 [KN]	24.4	28.9	31.1	33.0	32.9
P3 [KN]	1.8	1.8	1.8	1.8	1.8
P4 [KN]	36.9	46.1	51.0	56.1	56.9
P5 [KN]	31.0	38.8	42.2	43.8	42.2

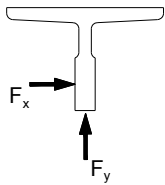
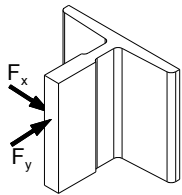
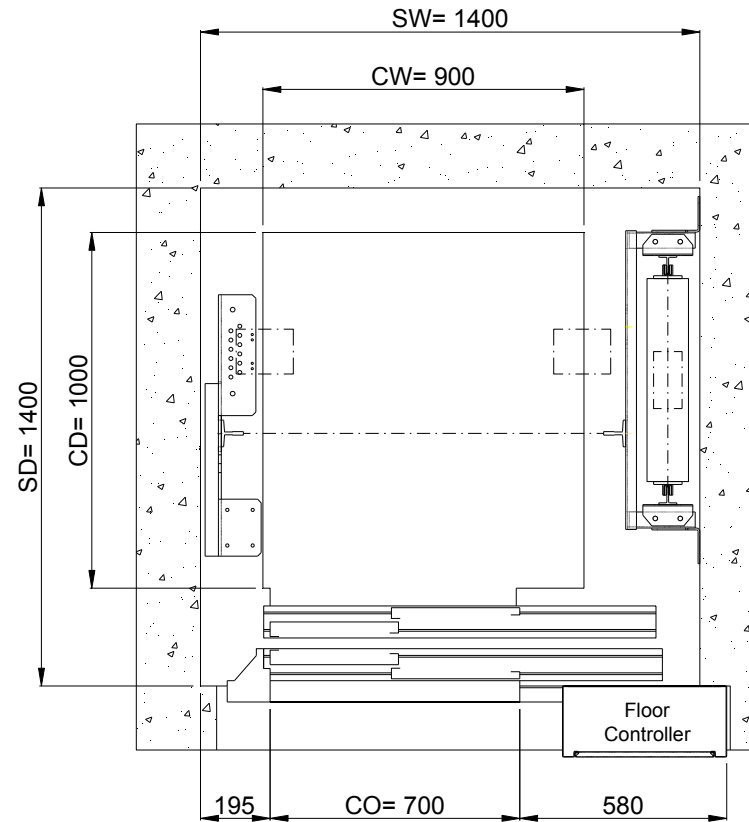
b. Forces on headroom walls



RATED LOAD (kg)	300	375	450	630	750
F_1 [KN]	9.2	11.5	12.8	14.0	14.2
F_2 [KN]	15.1	18.1	19.6	20.7	20.4
F_3 [KN]	7.6	8.9	9.7	10.5	10.8

Impact factor=2 is included.

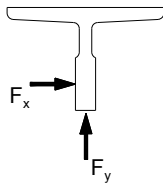
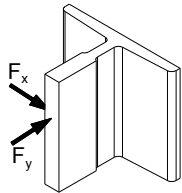
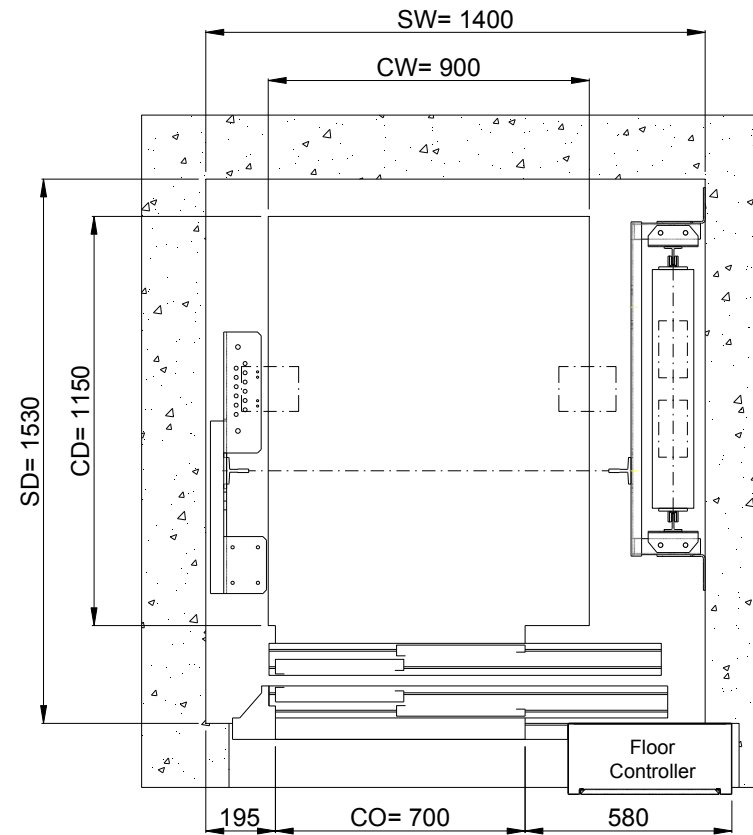
ATLAS 2:1 -RPH (300 Kg / 4 Persons / Available car area 900x1000)
Side-opening doors



F_x	686 N
F_y	353 N

Note:
 Shaft width is given for surface mounted COP.
 Otherwise, shaft width must be increased by 50mm.

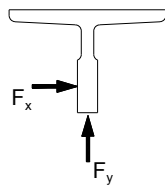
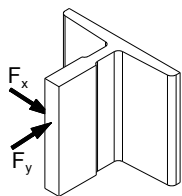
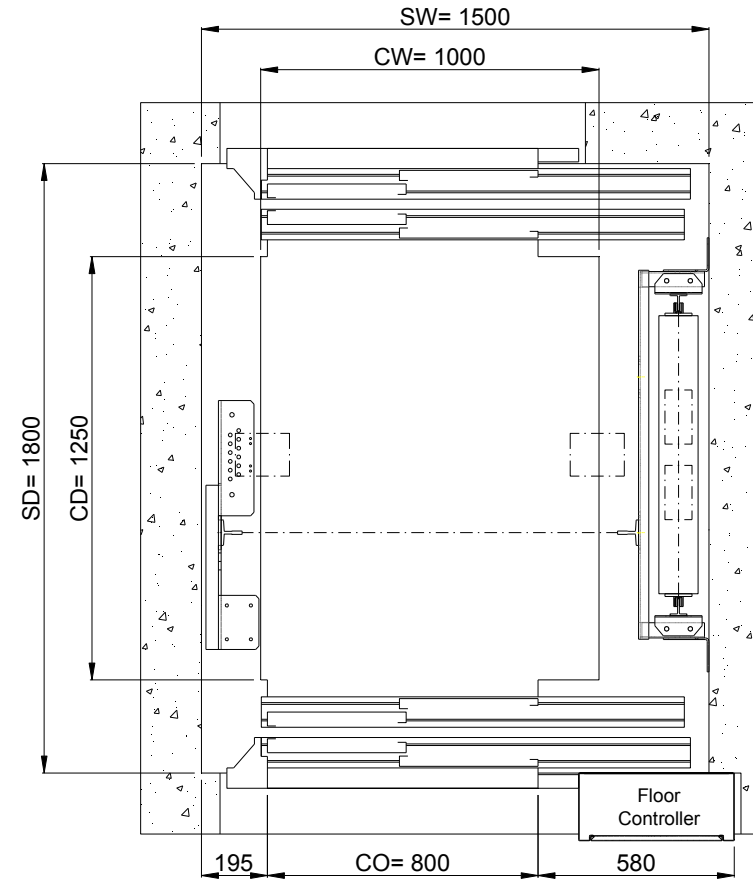
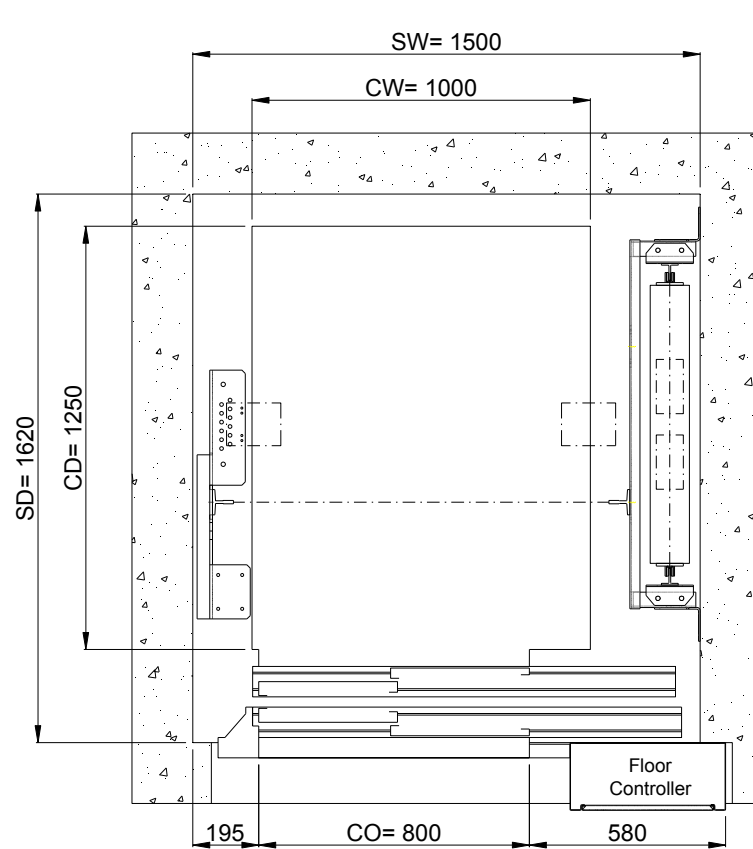
ATLAS 2:1 -RPH (375 Kg / 5 Persons / Available car area 900x1150)
Side-opening doors



F_x	1395 N
F_y	472 N

Note:
 Shaft width is given for surface mounted COP.
 Otherwise, shaft width must be increased by 50mm.

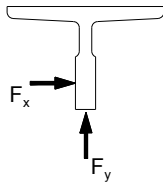
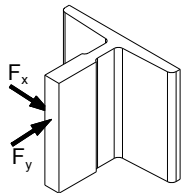
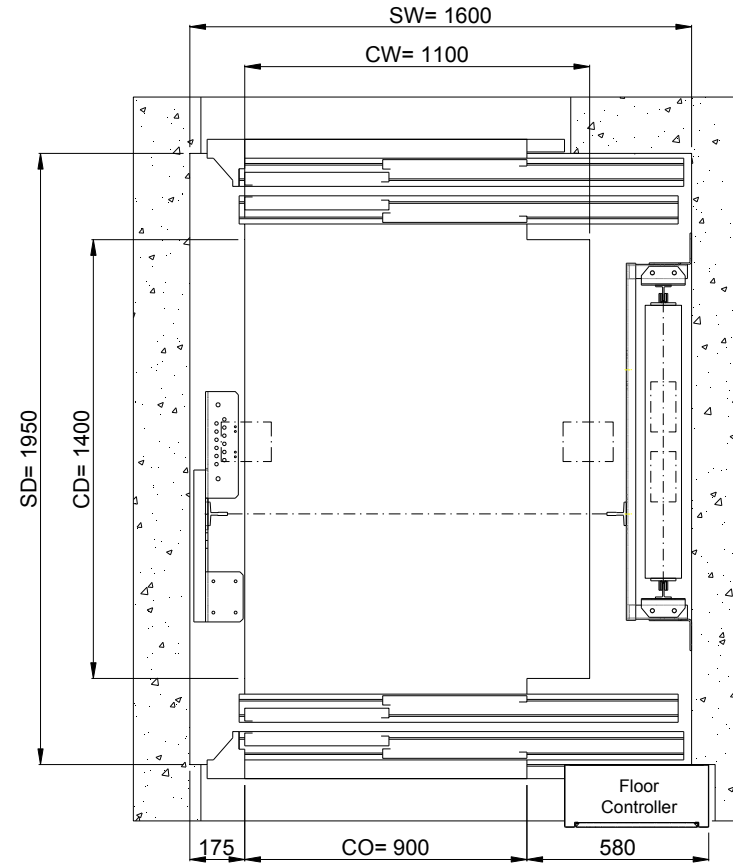
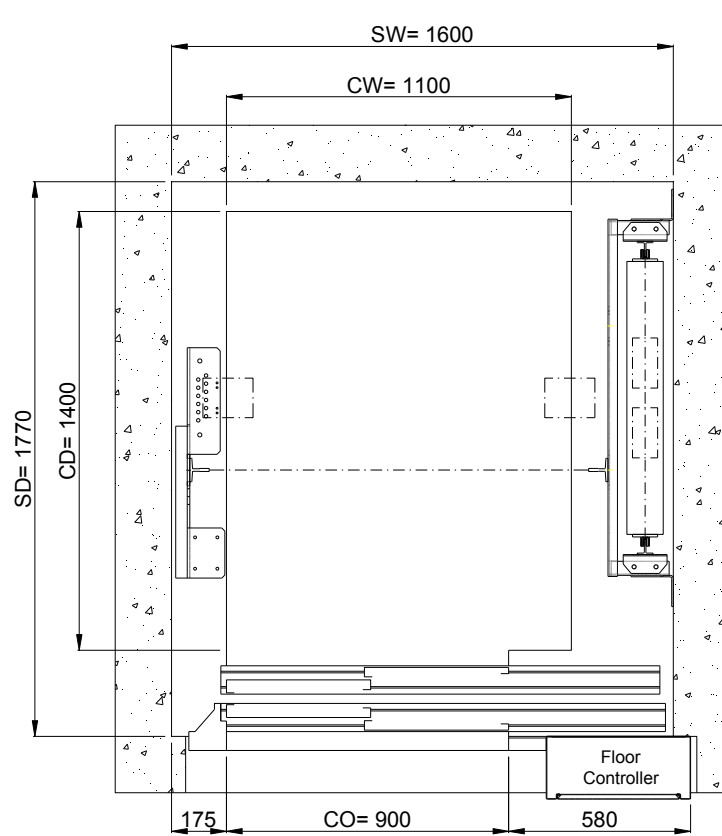
ATLAS 2:1 -RPH (450 Kg / 6 Persons / Available car area 1000x1250) Side-opening doors



F_x	1365 N
F_y	566 N

Note:
Shaft width is given for surface mounted COP.
Otherwise, shaft width must be increased by 50mm.

ATLAS 2:1- RPH (630 Kg / 8 Persons / Available car area 1100x1400)
Side-opening doors

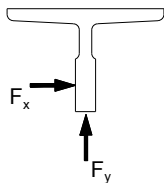
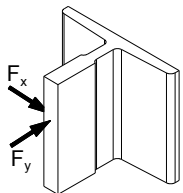
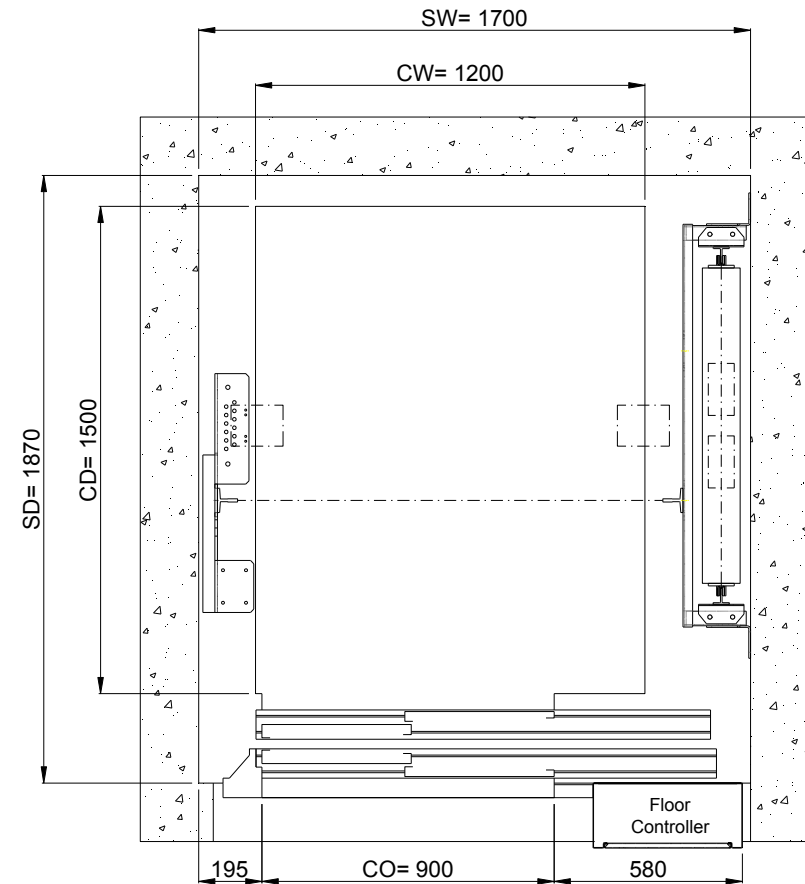
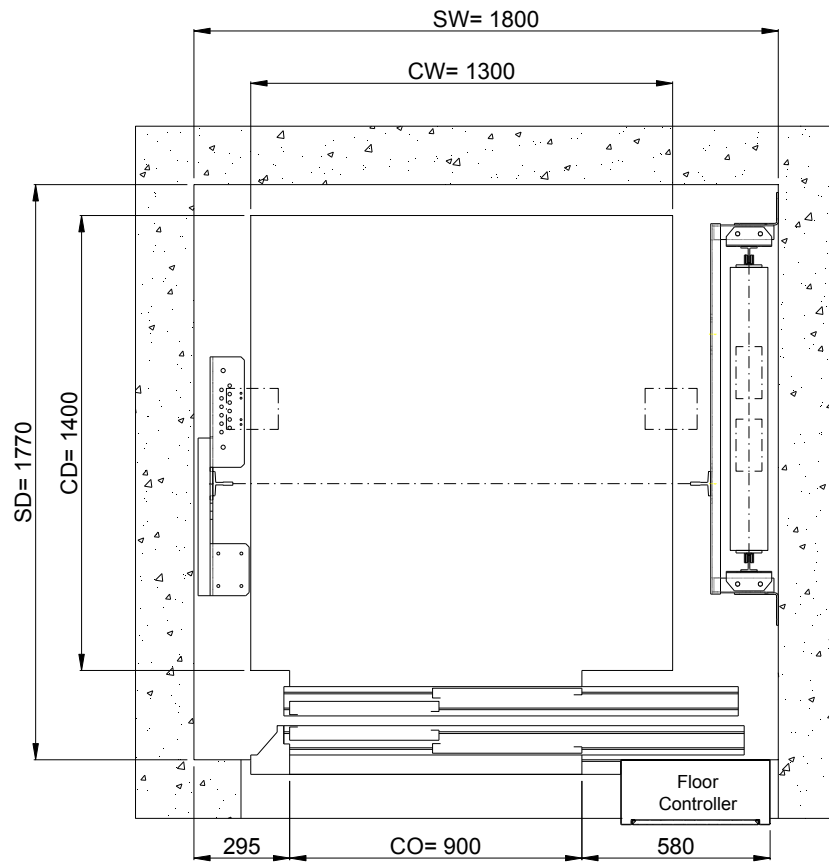


F_x	1427 N
F_y	825 N

Note:

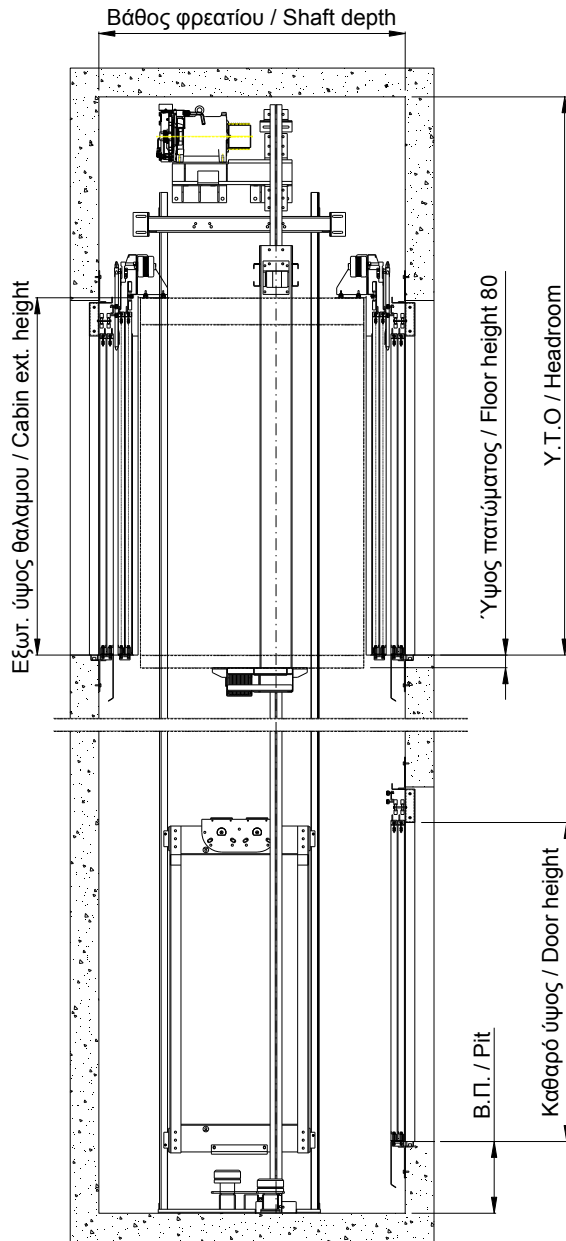
Shaft width is given for surface mounted COP.
 Otherwise, shaft width must be increased by 50mm.

ATLAS 2:1-RPH (750Kg / 10 Persons / Available car area 1300x1400, 1200x1500) Side-opening doors



F_x	1620 N
F_y	1115 N

Note:
Shaft width is given for surface mounted COP.
Otherwise, shaft width must be increased by 50mm.



Side frame height h [mm]	max. External Cabin Height =h - 460 [mm]	Min. Pit [mm] (min. 370mm)	Min. Headroom (min. 2900mm)
2600	2140	Floor height + 310	h + 360 – Floor height
2650	2190		
2700	2240		
2750	2290		
2800	2340		
2890	2430		
2990	2520		