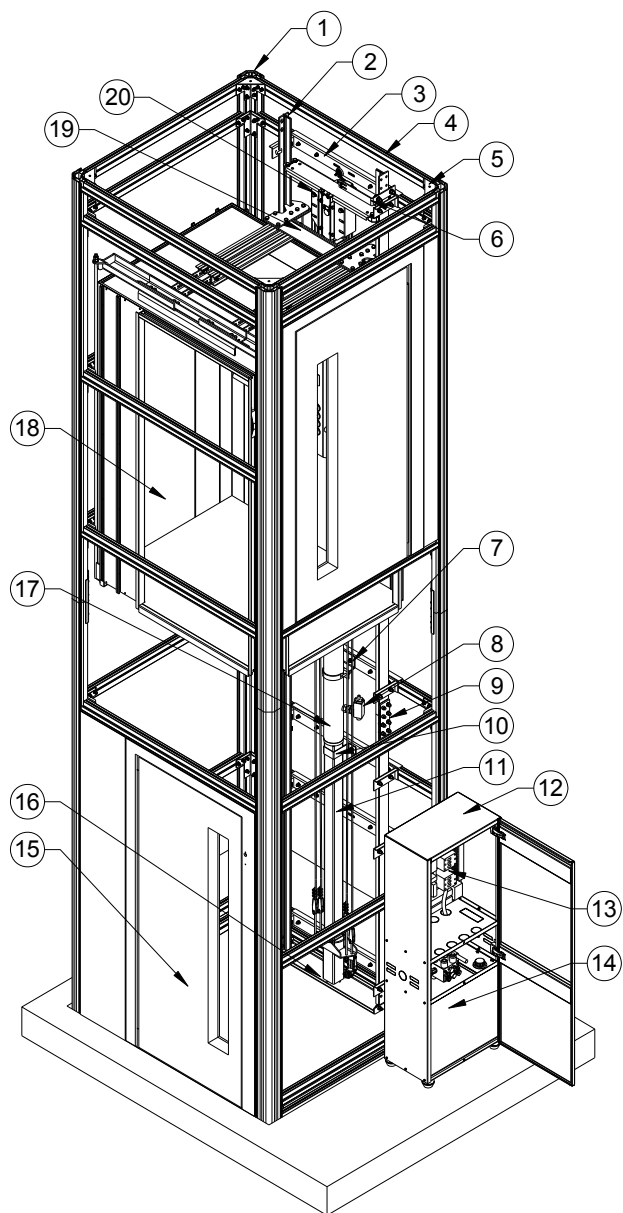


# maisonLIFT basic





## PLANNING DATA

## 1. Description of the system



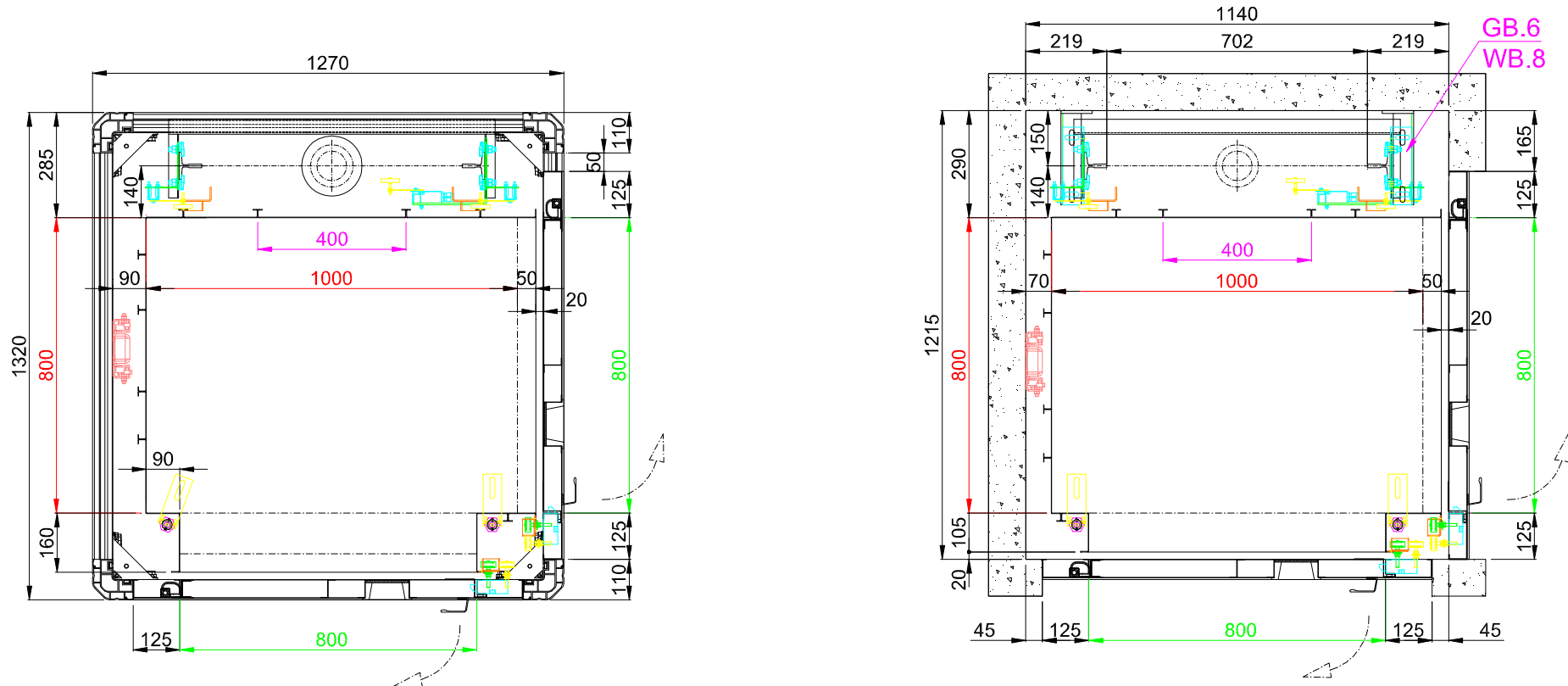
1.	VERTICAL ALUMINIUM BEAM
2.	GUIDE RAIL T75x62x10
3.	HORIZONTAL ALUMINIUM BEAM
4.	GUIDE BRACKET
5.	ALUMINIUM FASTENING ANGLE
6.	LIMIT SWITCH
7.	JACK RAM BRACKET
8.	RUPTURE VALVE
9.	GUIDE RAIL FISHPLATE
10.	RAM'S PEDESTAL BRACKET
11.	RAM PEDESTAL
12.	POWER UNIT CABINET
13.	CONTROLLER
14.	OIL TANK
15.	SEMI-AUTOMATIC (HINGED) DOOR
16.	OIL RETAINER PLATE
17.	JACK RAM
18.	CABIN
19.	CAR FRAME platformLIFT
20.	PULLEY platformLIFT

## 2. Technical specifications

Capacity (Kg)	200	250	375	450	
Cabin dimensions (mm)	800 x 1000	800 x 1250	900 x 1400	1100 x 1400	1100 x 1500
Persons					
max Travel (m)	15				
Number of stops	6				
max Car speed (m/sec)	0,15				
min Pit depth (mm)	80				
min Headroom (mm)	2300				
Car sling weight (Kg)	200				
max Empty Car Weight	450				
Guide rails	T75x62x10				
max Ram diameter (mm)	Ø80 x 11,55				
Wire ropes	4 x Ø6,5				
Oil tank capacity	80 Lt				
Max. Pump capacity	20 Lt				
Rubber Hose (Power unit – Cylinder)	R1A ½"				
Valve Block	KV1-S				
The cabin incorporates light curtain(s) in every opening					

**Hydraulic lift certified under the machinery directive of the European Union 2006/42/EC**  
**Hydraulic lift harmonised with the draft standard prEN81-41 concerning self-supporting cabins**

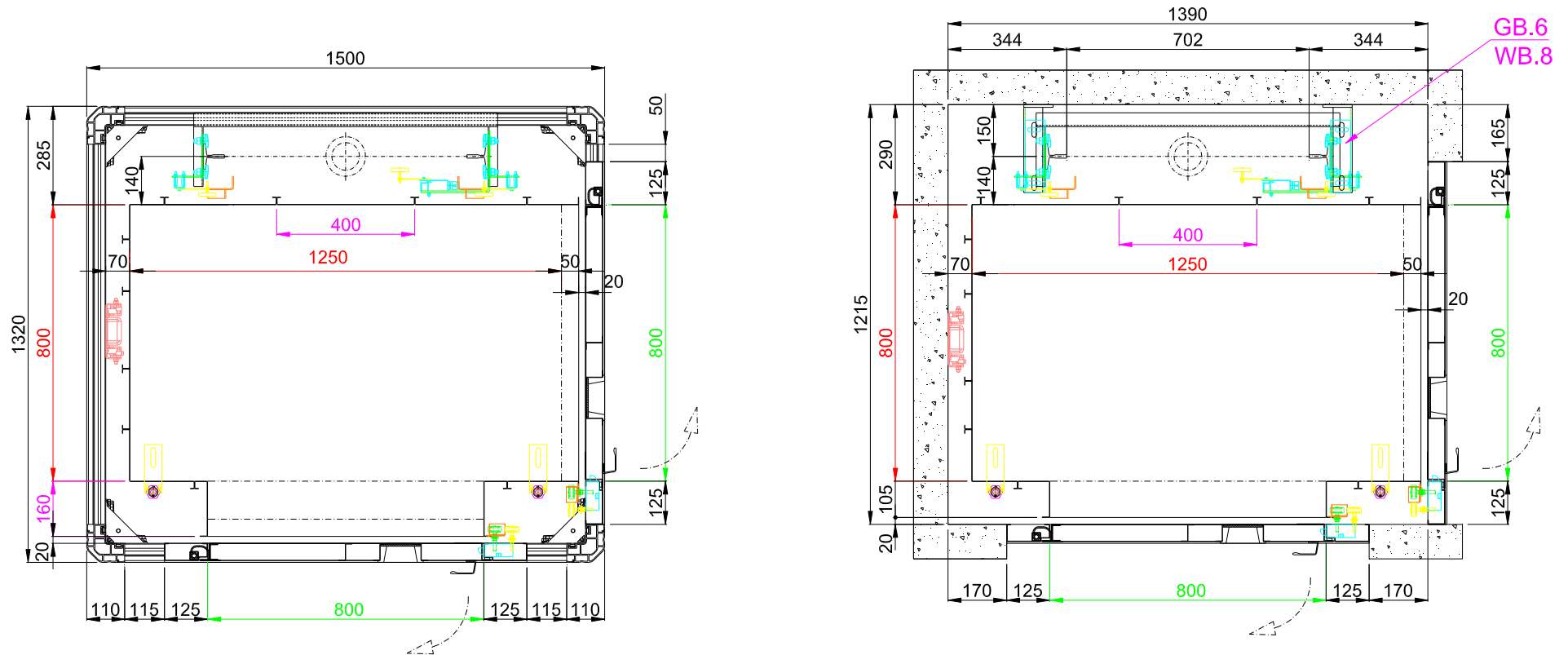
## maisonLIFT basic (800x1000)mm / 200 Kg



Cabin type	Shaft width	Shaft depth	Pit Depth	Headroom
Special PlatformLift	A	B	80 mm	2300 mm
Danae *	A+20	B+20		2430 mm
Ifigenia *	A+20	B+20		2430 mm

\* WITH ARTIFICIAL GRANITE FLOOR THE MINIMUM PIT DEPTH = 90 mm AND HEADROOM = 2450mm

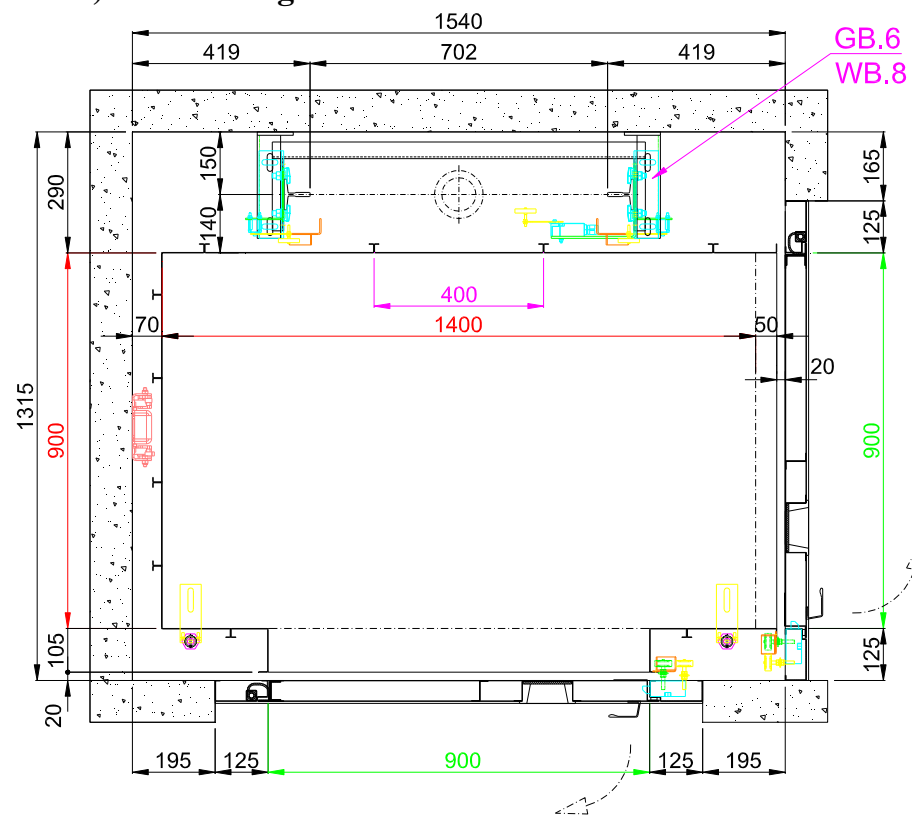
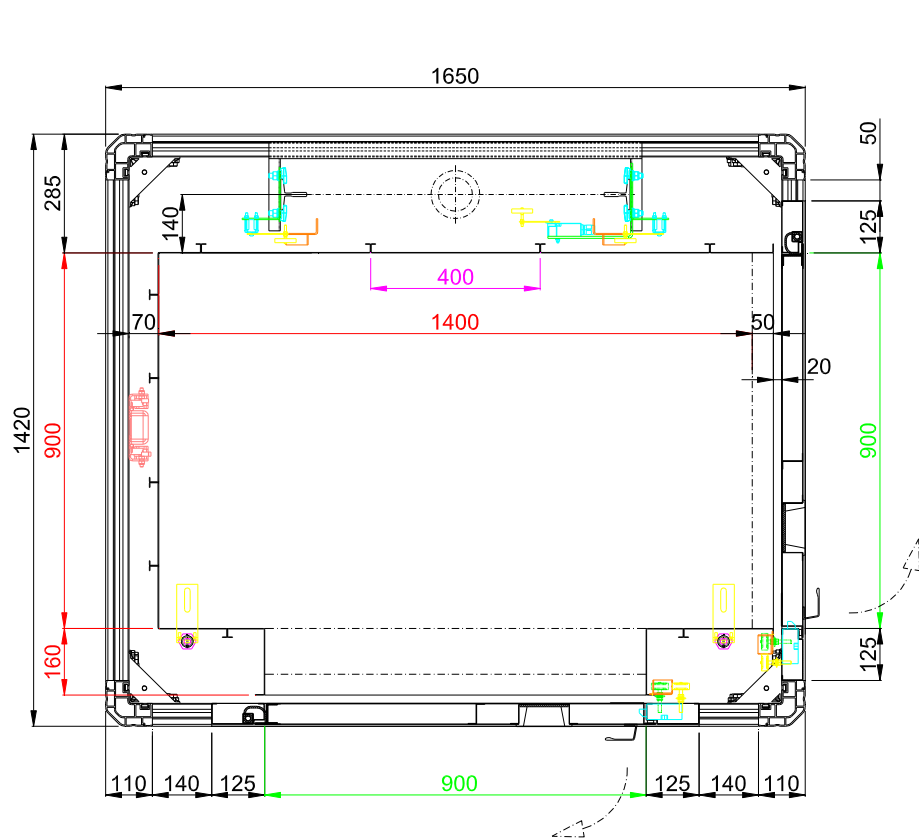
## maisonLIFT basic (800x1250)mm / 250 Kg



Cabin type	Shaft width	Shaft depth	Pit Depth	Headroom
Special PlatformLift	A	B	80 mm	2300 mm
Danae *	A+20	B+20		2430 mm
lfigenia *	A+20	B+20		2430 mm

\* WITH ARTIFICIAL GRANITE FLOOR THE MINIMUM PIT DEPTH = 90 mm AND HEADROOM = 2450mm

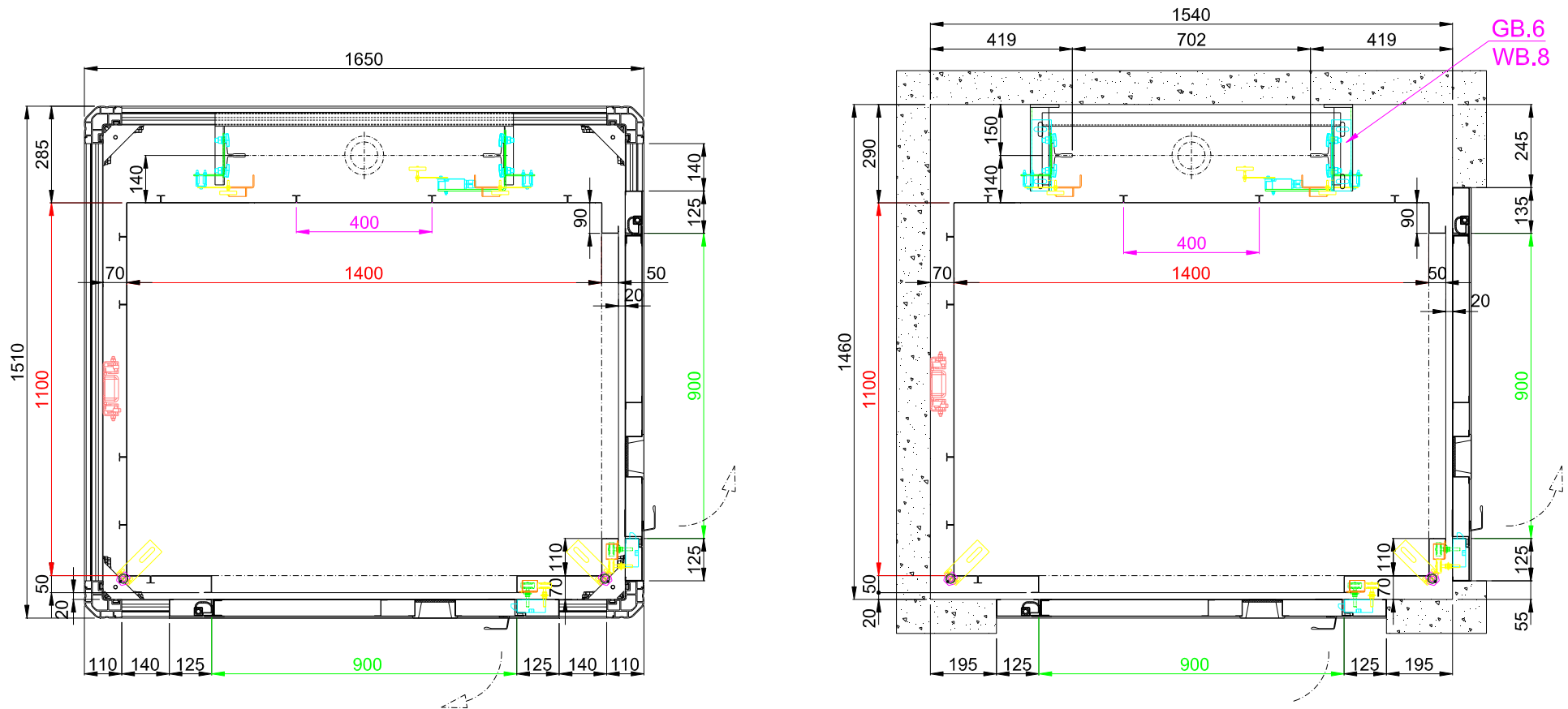
## maisonLIFT basic (900x1400)mm / 375 Kg



Cabin type	Shaft width	Shaft depth	Pit Depth	Headroom
Special PlatformLift	A	B	80 mm	2300 mm
Danae *	A+20	B+20		2430 mm
Ifigenia *	A+20	B+20		2430 mm

\* WITH ARTIFICIAL GRANITE FLOOR THE MINIMUM PIT DEPTH = 90 mm AND HEADROOM = 2450mm

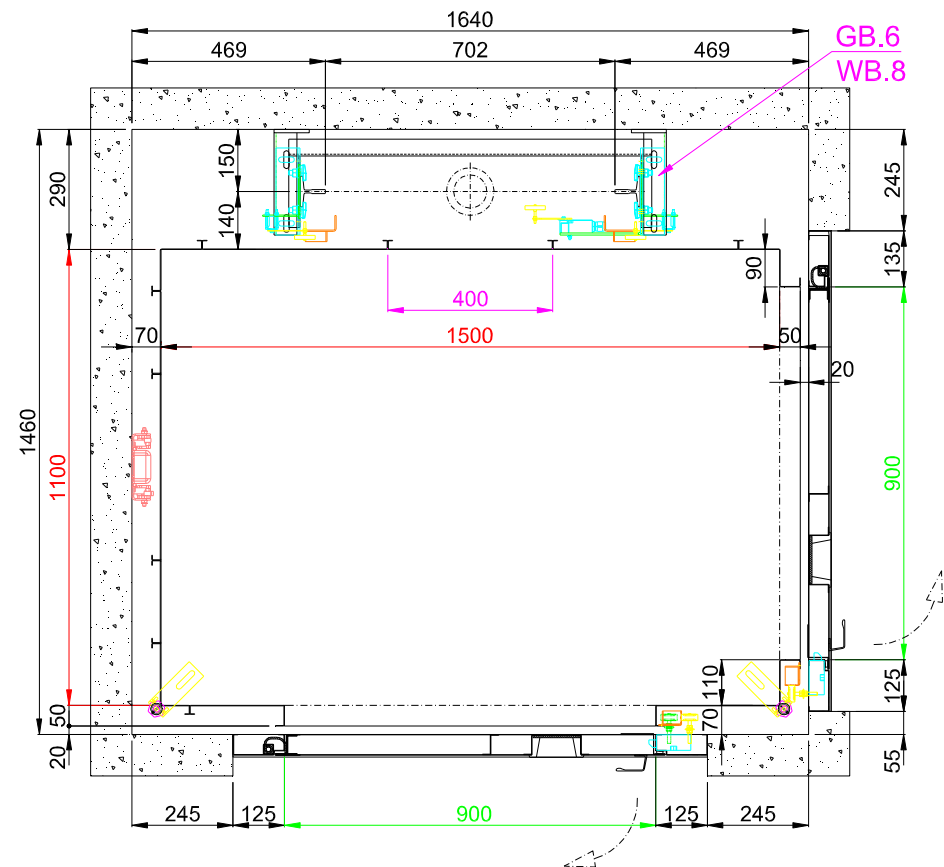
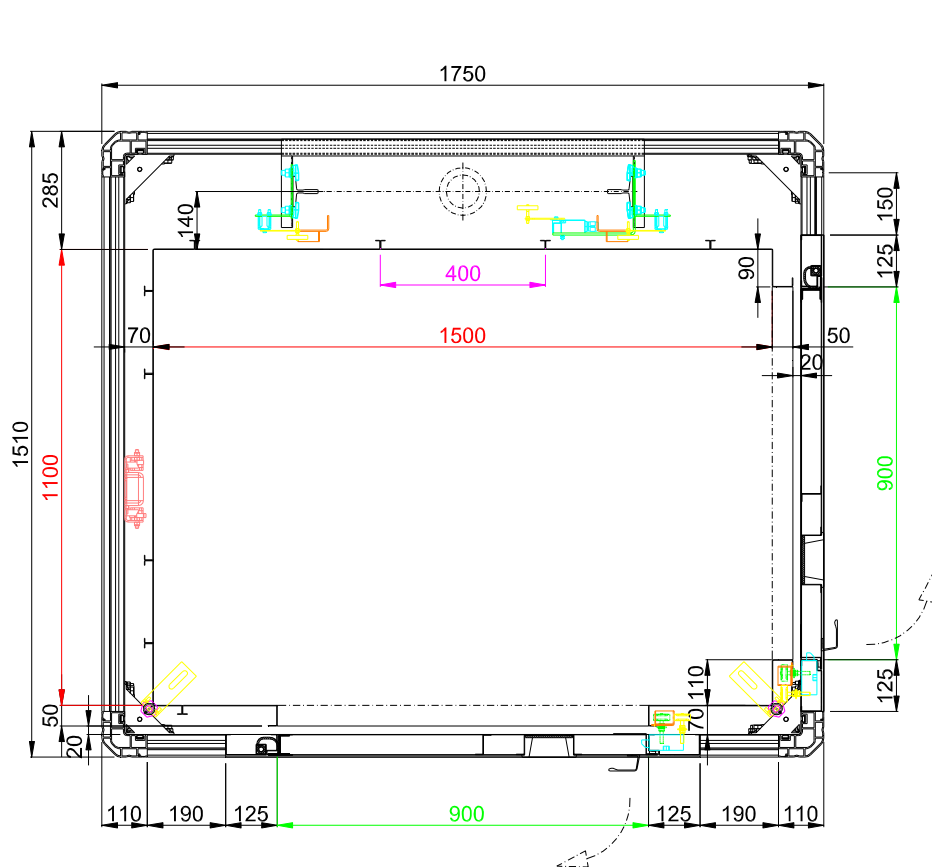
## maisonLIFT basic (1100x1400)mm / 450 Kg



Cabin type	Shaft width	Shaft depth	Pit Depth	Headroom
Special PlatformLift	A	B	80 mm	2300 mm
Danae *	A+20	B+20		2430 mm
Ifigenia *	A+20	B+20		2430 mm

\* WITH ARTIFICIAL GRANITE FLOOR THE MINIMUM PIT DEPTH = 90 mm AND HEADROOM = 2450mm

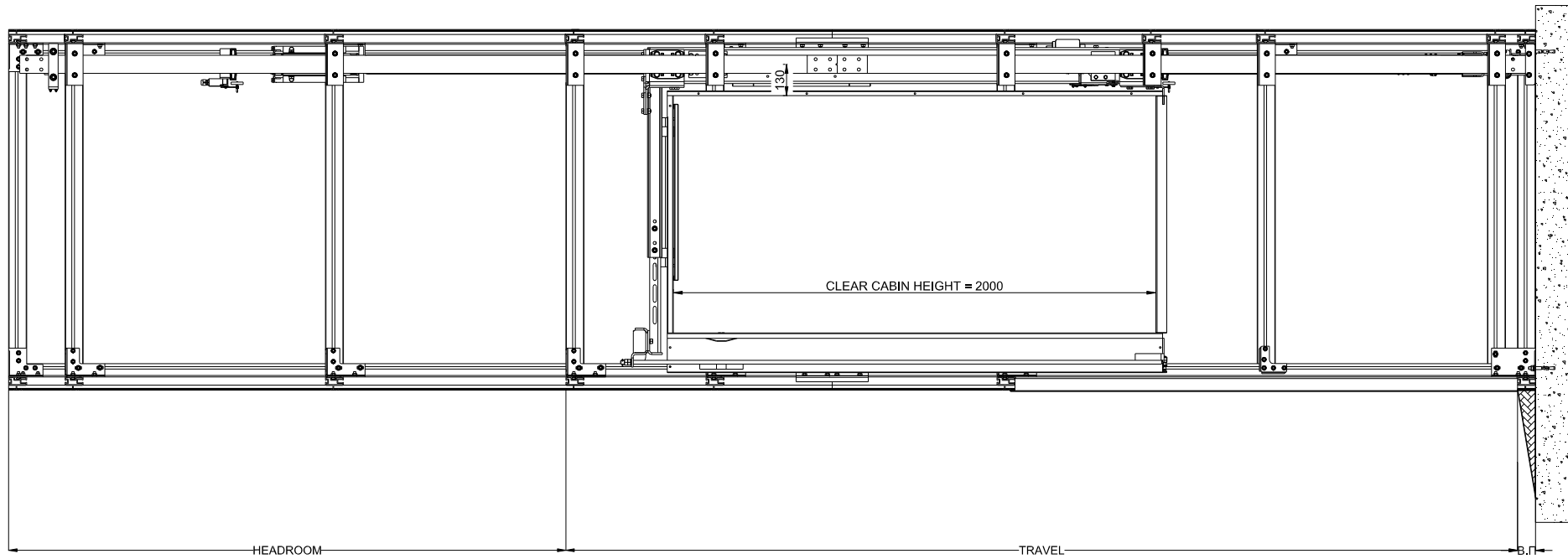
# maisonLIFT basic (1100x1500)mm / 450 Kg



Cabin type	Shaft width	Shaft depth	Pit Depth	Headroom
Special PlatformLift	A	B	80 mm	2300 mm
Danae *	A+20	B+20		2430 mm
Ifigenia *	A+20	B+20		2430 mm

\* WITH ARTIFICIAL GRANITE FLOOR THE MINIMUM PIT DEPTH = 90 mm AND HEADROOM = 2450mm

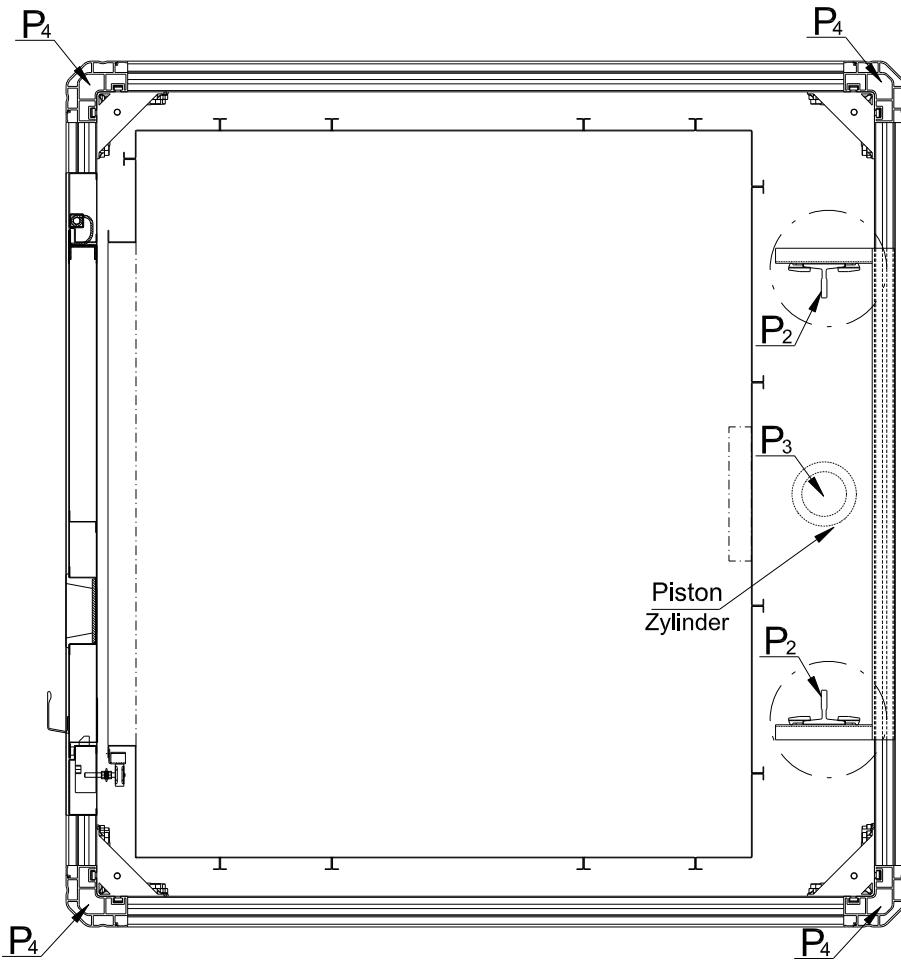




SHAFT VERTICAL SECTION maisonLIFT basic	
<b>HEADROOM</b>	
<b>CLEAR CABIN HEIGHT</b>	<b>min HEADROOM</b>
2000 mm	2300 mm
<b>PIT DEPTH</b>	
<b>FLOOR HEIGHT</b>	<b>min PIT DEPTH</b>
45 mm	80 mm

## FORCES ON THE SHAFT maisonLIFT basic

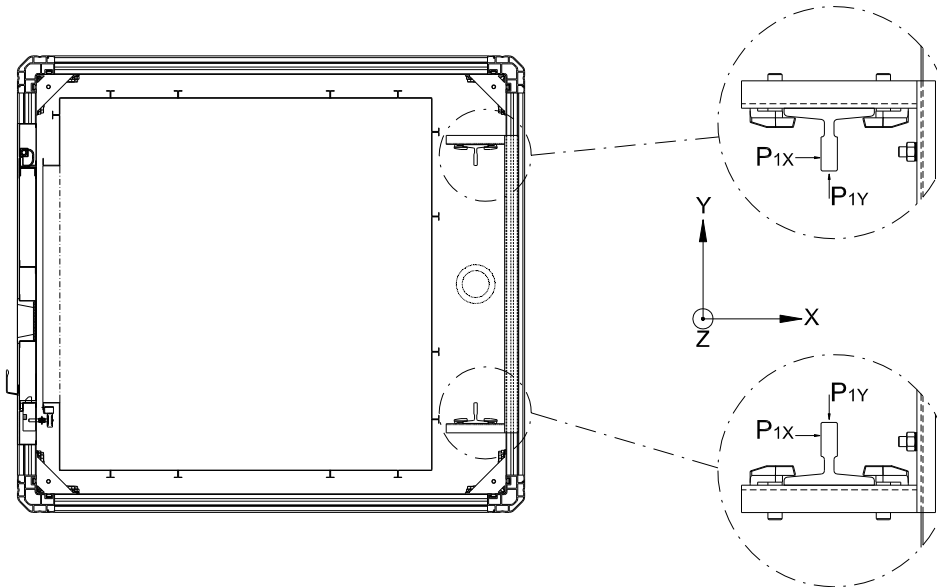
### a. Forces on the pit



TYPE	P <sub>2</sub>	P <sub>3</sub>
200 Kg (2 persons)	28000N	1460N
250 Kg (wheelchair or 3 persons)	32000N	1660N
375 Kg (wheelchair with an escort or 4 persons)	39000N	2010N
450 Kg (wheelchair with an escort + 1 person or 5 persons)	44000N	2260N

The weight of the aluminium shaft with glass panels is 150kg per meter and it is not included to the above values.

**b. Forces on the walls**



200 Kg		(A=1000 mm)
max Forces / Kräfte		
$P_{1x} = 3910 \text{ N}$	$P_{1y} = 1090 \text{ N}$	$P_{1z} = 0 \text{ kN}$

250 Kg		(A=1000 mm)
max Forces / Kräfte		
$P_{1x} = 4485 \text{ N}$	$P_{1y} = 1310 \text{ N}$	$P_{1z} = 0 \text{ kN}$

375 Kg		(A=1000 mm)
max Forces / Kräfte		
$P_{1x} = 5530 \text{ N}$	$P_{1y} = 1790 \text{ N}$	$P_{1z} = 0 \text{ kN}$

450 Kg		(A=1000 mm)
max Forces on Shaft		
$P_{1x} = 6260 \text{ N}$	$P_{1y} = 2100 \text{ N}$	$P_{1z} = 0 \text{ kN}$

