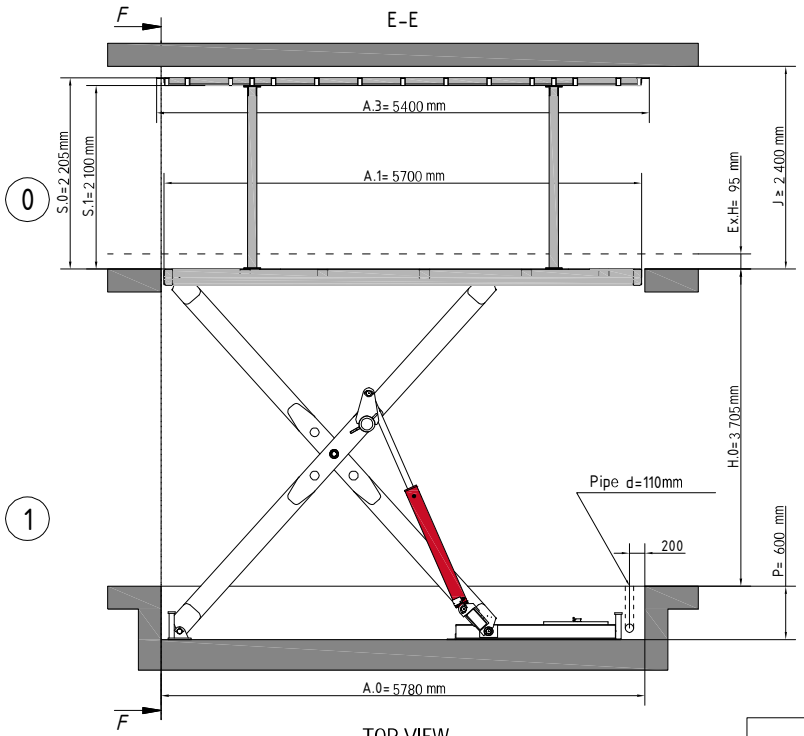
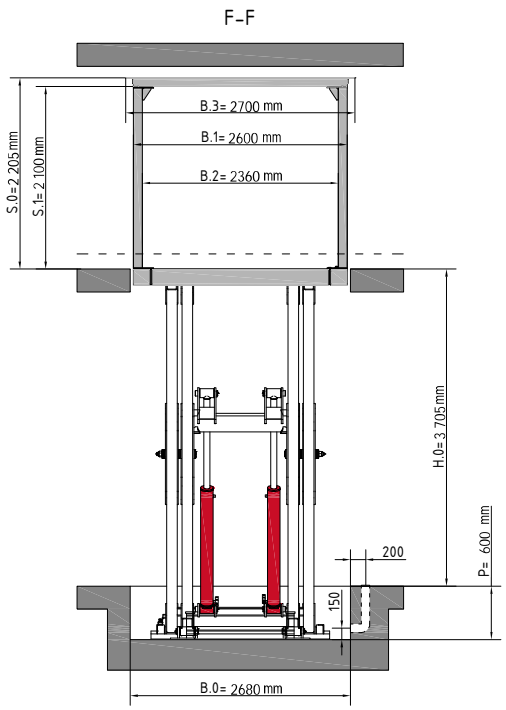
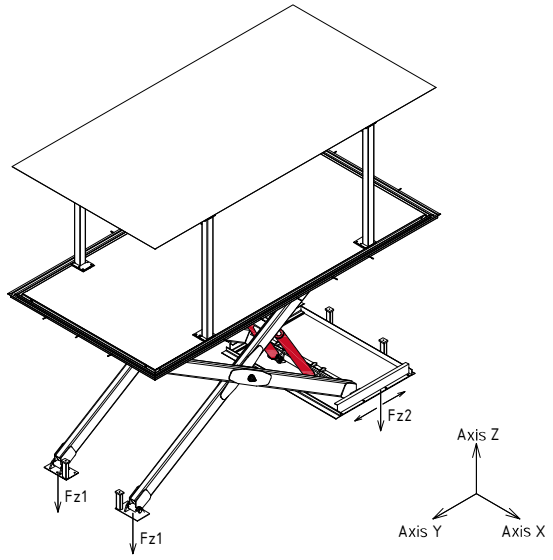
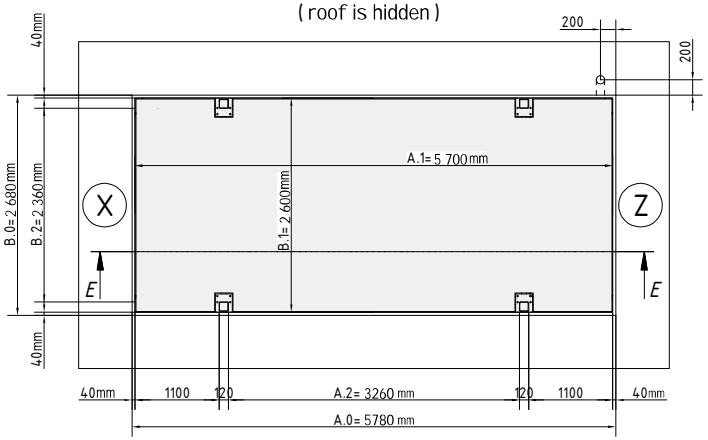
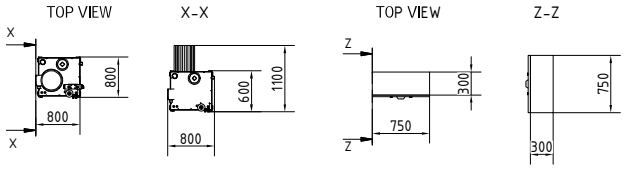








HYDRAULIC UNIT



SWITCHBOARD

Parameters			
	Parameter	Calculation	Result
A.0	Length of the pit	A.0=A.1+80mm	A.0= 5 780 mm
A.1	Length of the platform		A.1= 5 700 mm
A.2	Distance between columns	A.2=A.1-2440mm	A.2= 3 260 mm
A.3	Length of the roof	A.3=A1+200mm	A.3= 5 400 mm
B.0	Width of the pit	B.0=B.1+80mm	B.0= 2 680 mm
B.1	Width of the platform		B.1= 2 600 mm
B.2	Distance between columns	B.2=B.1-240mm	B.2= 2 360 mm
B.3	Width of the roof	B.3=B.1+200mm	B.3= 2 700 mm
H.0	Max stroke of the platform		H.0= 3 705 mm
Ex.H	Additional platform stroke		Ex.H= 95 mm
P	Pit depth*		P= 600 mm*
S.0	Distance (the platform/top of the roof)	S.0=S.1+105mm	S.0= 2 205 mm
S.1	Distance between platform and the roof		S.1= 2 100 mm
Q	Weight of the equipment*	Q=(A.1*B.1*3) /1000000kN	Q= 44.5 kN*
W	Load capacity		W= 3 000 kg
J	The minimum height of the top floor(if applicable)	J ≥S.1+300mm	J ≥ 2 400 mm
Fz1	The max. load under fixing support along the axis Z*	Fz1=((Q+W)/4)*1,2 kN	Fz1= 9.1 kN*
Fz2	The max. load under movable supportalong the axisZ*	Fz2=((Q+W)/4)*1,8 kN	Fz2= 13.7 kN*
N	Hydraulic unit electric motor power*		N= 7.5 kW*

Entry-exit zone

Zone	X	Z
0	✔	
1		

Finishing flooring

Material	Platform	Roof
Steel sheet	✔	✔
Aluminum sheet		
Stainless sheet		
Tile or lawn		

LIFT MOUNT:
Fastening of the lift to the base by M16 anchors.

Roof coating parameters

Coating material		
Coating weight, kg/1 sq. m.	Q.3	0
The coating thickness, mm	S.3	0

Roof type

Light(in the closed position can withstand its own weight and pedestrian weight)	
Heavy (in the closed position can withstand a car weighing 3000 kg)	✔

NOTE:
1. Ensure that water is drained from the pit;
2. Tolerance for internal dimensions of the pit +/- 5mm;
3. Shaft vertical tolerance +/- 5mm;
4. Before the beginning of installation work clear the pit from debris and water;
5. Install pipe d=110mm from the pit to the room with hydraulic unit for wires and high-pressure hydraulic hoses;
6. Before starting the installation work, ensure the supply of power to the installation point of switchboard by cable with 3-phase packet switch of appropriate power (determined by the project).

PLACEMENT OF HYDRAULIC UNIT AND SWITHBOARD:
1. Place the hydraulic unit in a separate room from the shaft at the bottom level of the lift stop, at a distance of not more than 8 meters from any of the sides of the lift;
2. Install the hydraulic unit on the floor;
3. Place switchboard on the wall directly over the hydraulic unit;
4. Ensure area clearance under the hydraulic station 1,0 sq. m;
5. Provide not less than 1 sq. m. of free space in front of the hydraulic unit for maintenance.

*- Preliminary value, the exact value is determined after detailed design of the lift.

Rev_1

S/n

ATLANT ROOF - 3 000

Stage	Weight	Scale
	4446 kg	1:40

Rev.	Doc	Signature	Data
Eng.	Alexson D		24/09/20
Check.			
Contr.			
Contr.			
Approved			

Page 1 Pages 1

PANDA LIFT.UK
UNIQUE LIFTING SOLUTIONS

The use of the materials in its activities, and the provision to third parties of these materials may be carried out by the Customer with the written permission of PANDA LIFT only.

A.1= mm B.1= mm H.0= mm W= kN № kW * P= mm² H.1= mm H.2= mm H.3= mm

Size A2