

**Reconstrucția Monumentului de istorie și arhitectură din
str.31 August 1989, nr.157, mun.Chișinău în cadrul renovării
complexului IMSP Institutul de Medicină Urgentă
Obiect nr.135/18-191-75**

CAIET DE SARCINI: DL nr.2-1-11 Platforme (ascensor)

(11 pagini)

- proiectare,**
- furnizare,**
- instalare,**
- punere in functiune,**
- darea in exploatare**

**Toate parametre si conditii tehnice
- vezi Proiect de Executie
Obiect nr.135/18-191-75**

Easy Move - Lifting Platform Technical Data
Lifting system for a person with limited locomotory capacity

Approval

- In conformity with the European Directive 2014/30 on Electromagnetic Compatibility;
- In conformity with the European Directive 2006/42 Machinery Directive (certificate of conformity issued by IMQ).

Installation

The system can be installed either indoors or outdoors. The power pack and the electrical system must always be housed in a special protected shaft comprising the motor cabinet supplied as standard. If the power pack can reach temperatures below 0°C, it is mandatory to equip the hydraulic system with oil heating to be ordered separately. For outdoor installations the guards must have a roof. The hydraulic hose reaches the feet of the guides, with a standard length of 3 m. (6 or 9 m. max on request).

Working load: up to 400 kg.

E07 Easy Move	Kg
Cabin with Color, Wood, Steel, Inox series walls	400
Cabin with Glass series walls	350
N°1 Cabin door + Color, Wood, Steel, Inox series walls	300
N°1 Cabin door + N° 1 Glass series wall	250
N°1 Cabin door + N° 2 Glass series walls	250

Travel: 9,25 metres.

Headroom: 2270 mm; 2600 mm in case of cabin door.

Intermediate stops: max 3 with a minimum distance between the stops of 230 mm.

Motor and electric supply

Motor located in the hydraulic power pack with the following specifications:

- Power 1.8 kW;
- Mains voltage: 230V-mono;
- Motor power supply voltage: 230V;
- Auxiliary power supply voltage: 24V;

Fastenings

At the customer's choice, with pre-mounted wall anchoring brackets or alternatively with back wall with mechanical anchors, with back wall with chemical anchors or with vertical I-beam; if optional, with metal frame.

Guides

Machined T70-1a sections.

Cabin materials and colours

The cabin is supplied as standard with:

- 3 walls (in case of single access to the cabin; 2 walls in case of two adjacent accesses or opposite accesses) in "Grey" type, "Color" series clad steel (or at choice among "Beige", "Blue", "Red" type, "Color" series; "Maple", "Cherry" type, "Wood" series);
- the surface of the platform is in "Rubber" with "grey round studs"
- false ceiling with LED bar
- handle in the "rich" series (brushed aluminium)

Cabins are always without plinth.

The doors and the metal frame are in Vimec 7040.

Other materials and colours available:

Walls:

- a) One "Silver" type, "Steel" series
- b) One in anti-scratch stainless steel, "Polished linen" type, "Inox" series
- c) Two "Glass" series (transparent and smoke-grey)

Glass (transparent and smoke-grey) half wall (upper part) mounted on RAL 9018 frame – can be equipped with all available walls (lower part); the lower wall has always the same covering both on inner and outer side of the cabin.

Floors:

- a) one Wild Pear type imitation-wood
- b) three Safe-Step (non-slip): light grey, dark grey, carmine red

Cabin

Composed of 3 physical walls made of the above-mentioned materials; the fourth cabin side, or any side that is free of walls, will be equipped with vertical infrared barrier.

The on-board push-button panel supplied as standard is full-height vertical, in "Grey" type "Color" series, with push-buttons at height compliant with EN81-41 standard and fitted for I-button. An on-board telephone is supplied as standard.

On request in the cabin: only for "Polished linen" type, "Inox" series, the vertical push-button panel has the same finishing as the cabin walls (that is, "Polished linen" type, "Inox" series), horizontal mirror, vertical mirror, LCD display kit in cabin, LCD display kit at floor, telephone dial pad, GSM telephone kit, I-button keys, speech synthesis, gong when floor is reached, cable and radio remote push-button panel at floor, access ramp.

Cabin inner height: 2,000 mm

(*to obtain the working dimensions, 30 mm for each on-board wall and 10 mm for each infrared barrier should be taken off; in case of on-board automatic telescopic door the overall dimensions to be added to the shaft ranges shall be approximately between 210 and 270 mm).

The platform min. dimension on the guides side is 770 mm.

Special platform sizes are also available on request.

Cabin accesses

- Maximum 6 accesses
- Maximum 2 accesses to the floor

Special platform sizes are also available on request, provided that the surface is max 1.55 m² and no side of the platform exceeds a useful length of 1400 mm.

Transmission: with hydraulic cylinder and double cable.

Max speed: 0.15 m/sec;

Controls

On board push-button panel with dead-man's controls, size 50x50 mm, with Braille indications and blue backlighting (unless there is a cabin door combined with 3 walls, in which case operation will be by universal manoeuvre); floor push-buttons with universal manoeuvre operation, size 50x50, vandal-proof with Braille indications and red and green backlighting for signalling respectively product in use/occupied and product free/available for use; all the controls work only if the doors are closed.

Electrical safety devices

On-board emergency push-button connected with an audible alarm and pre-set numbers (at the customer's choice), integrated with a telephone device; thermal circuit breaker on the motor; landing limit switch; over-run microswitch; pit and headroom under safety microswitches that inhibit the controls in the cabin and on the floor when activated; cable lackening/breaking safety device; auxiliary circuit and supply circuit in separate cables; electric driving locks approved according to the EEC Directive 81/2, with safety microswitch for approved door release control; automatic levelling at the floor (upper, lower and intermediate) within + / - 20 mm with door open and closed; on-board anti-blackout descent; on-board emergency light; display of floor reached on the display on the lifting platform and at the floor; timed cabin lights, timed descent.

Mechanical safety devices

Two lifting cables with spring system for load division; safety gear for lifts (type approved according to the EEC directives 84/529 and 86/312) that acts on the guides; protection at the floors with landing doors; emergency door release from the outside, with special key; artificial pit of 500 mm under safety microswitch, artificial headroom of 300mm under safety microswitch; load-bearing cabin roof.

Hydraulic safety devices

Down speed control valve; safety gear valve integrated in the cylinder; check valve; pressure relief valve on the hydraulic circuit; emergency descent from floor level; hand pump and pressure switch.

Doors

Panoramic aluminium with laminated glass, motorized panoramic double-hinged with laminated glass, partitioned with window or panoramic (with laminated glass – available only for sizes 800, 860, 900); cabin automatic stainless steel folding door of sizes 650, 750, 800 (max. 1). The standard supply features doors with one leaf, manual movement (the retracting mechanical actuators make them semiautomatic therefore with independent closure); For the doors with one leaf the motorization is available on request. The double leaf door is always motorized.

Guard

When there is a metal frame the roof for indoor or outdoor use can be ordered on request (mandatory for outdoor installations).

Pit: 120 mm for masonry shaft and aluminium guards; 140 mm for metal framework.

Cabin height: 2000 mm

State of supply

In components to be assembled. If there is a metal frame there will be sectional steel profiles with laminated glass or laminated sheet plate blind panels.

At the customer's charge

The customer must pay for and make all necessary changes to the shaft before delivery but to our design.

In addition, the customer is to pay the expenses related to the construction of the dedicated electric line to our panel, with conductors of minimum cross-section 2.5 mm², which can be disconnected with a residual current circuit breaker of nominal capacity 16A and sensitivity 0.03A and earthed with a cable of 2.5 mm², to supply the machine.

Again, the customer is to pay for the construction of a separate electric line to the one described, with conductors of minimum cross-section 2.5 mm², which can be disconnected with a residual current circuit breaker of nominal capacity 16A and sensitivity 0.03A and earthed with a cable of 2.5 mm². This line must have one or more 16A service power sockets for maintenance, of which at least one located in the artificial pit of the travel shaft.

At customer's care and charge is also the setting up of a line with conductors of 1.5 mm² with circuit breaker of nominal capacity 10A and sensitivity 0.03A, earthed with a cable of 1.5 mm² to supply the cabin lights.

Lastly, it is at customer's care and charge the setting up of a telephone line through a special cable next to the electric panel.

The responsibility for the strength of the walls, terraces, floors and plinths is entirely to the charge of the customer.

N.B. The data given herein are indicative and not binding; Vimec S.r.l. reserves the right to make any changes that it may consider appropriate at any time and with no obligation to give any advance notice thereof.



Description

Configuration EasyMove: 2 stops with travel up to 3,60 mt. and in cabin: 3 walls "colour" series typ "grey", also available plalam beige, blue, acero and ciliegio; flooring "gomma" series "grey" type; cabin is also provided with full height infra-red light curtain on 4th side (and on all additional entrance/exit sides); EN 81-41 compliant full height vertical push button on board in grey colour; on board telephone; LED bar roof lightening; floor control for each door with 50x50 mm. push-buttons with Braille indication; door colour Vimec 7040, if no different selection is specified, all doors must be added choosing them among all available options. In case of self supporting structure, to be ordered separately, all doors will be in colour Vimec 7040, with self supporting structure in colour Vimec 7040. Platform will be provided with one of the following dimensions: 1250X1000, 1400X1100 (std.)

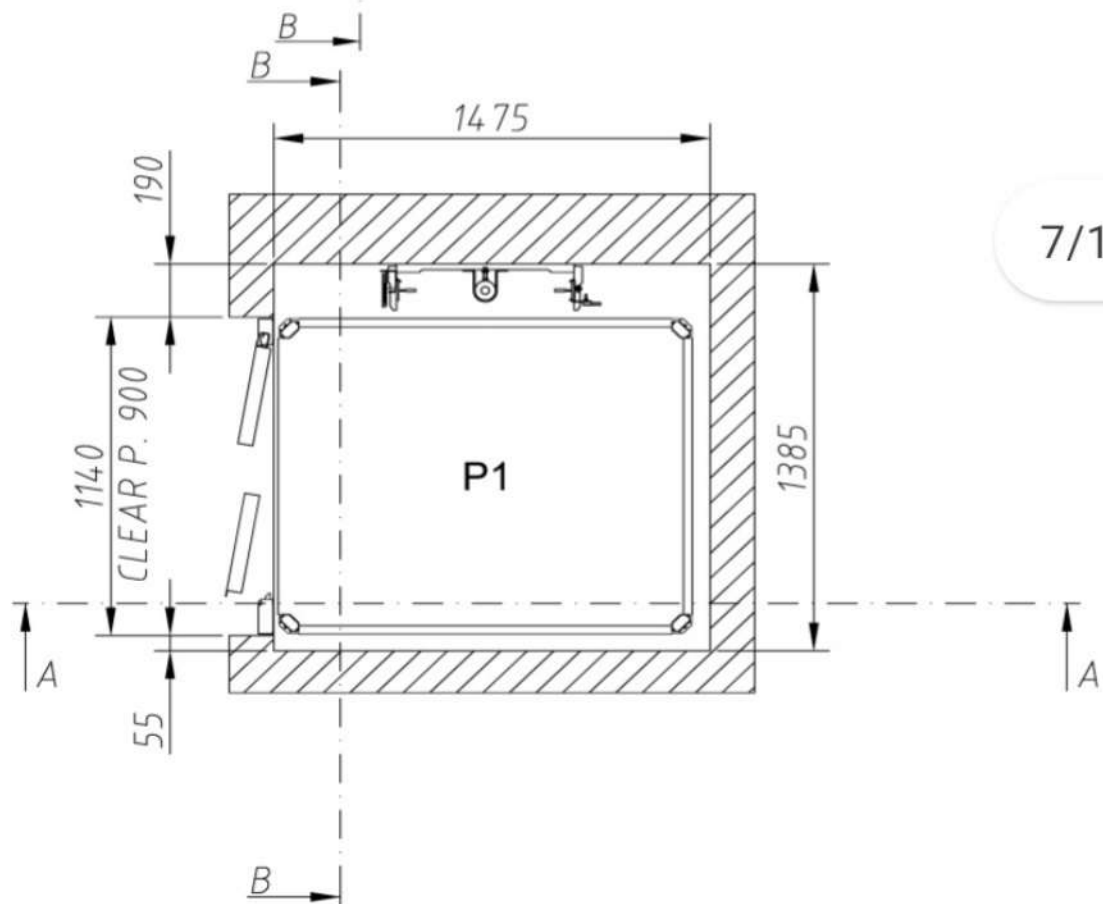
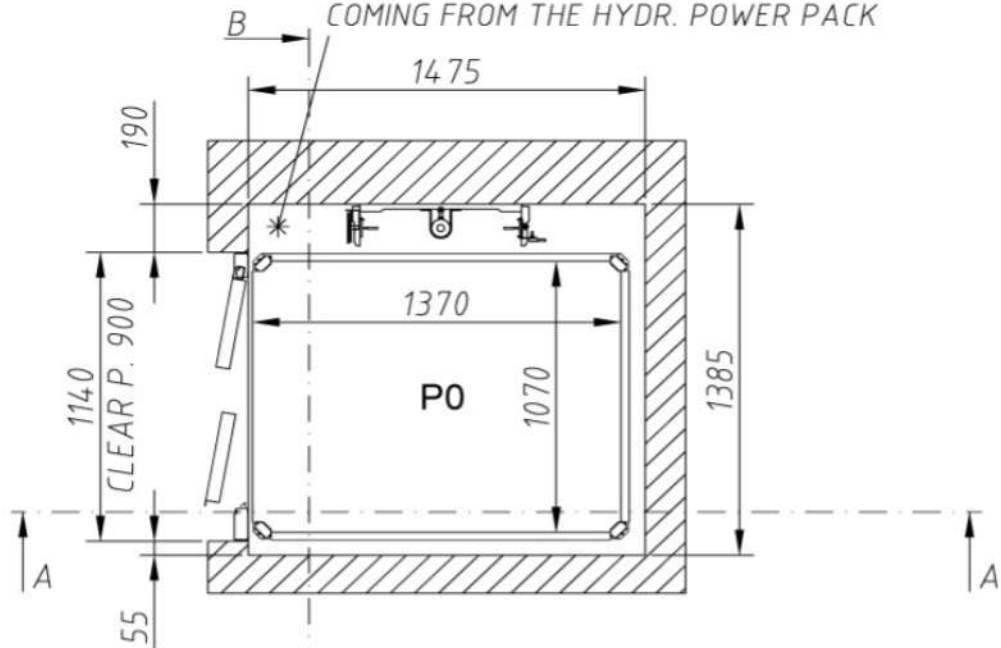
Power station distance up to 3 mt.	MT	1,00
Rubber platform floor in grey colour (standard)	PZ	1,00
Cabin ceiling with led bar (std)	PZ	1,00
Colour for control box in Ral Vimec 7040	PZ	1,00
Cabin walls in colour serie in "grey" version	PZ	1,00
Standard Ral colour for door	NR	2,00
Plates and documents in english	PZ	1,00
Markings of public body in english	PZ	1,00
Standard platform dimension	PZ	1,00
Panel door with view, dimension: 900mm, h 2000mm (No Outdoor)	NR	2,00
Drawing for approval	PZ	1,00
Customs clearance	PZ	1,00
Packing equipment	PZ	1,00

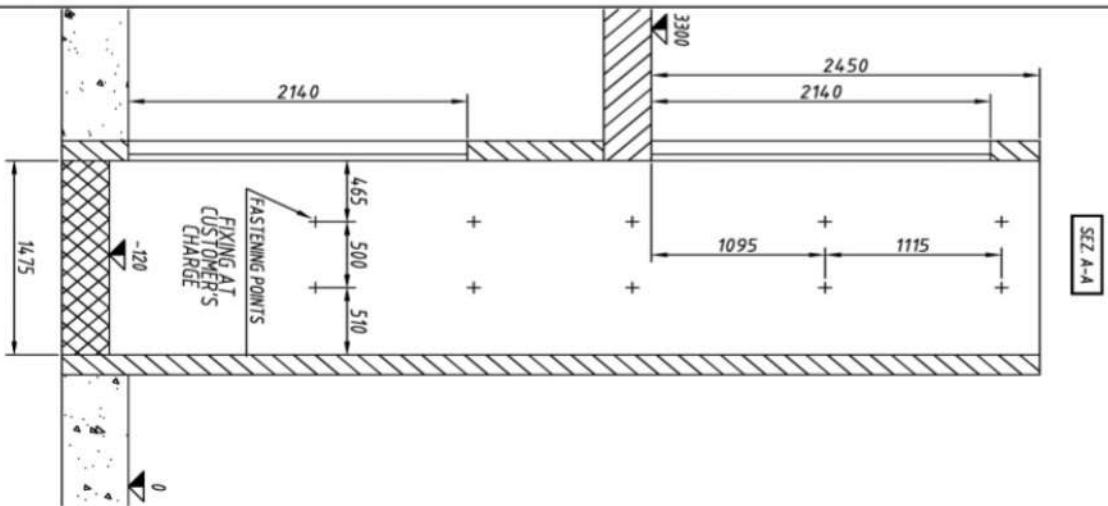
Proposal n° E1Q156 0

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PZ 1,00

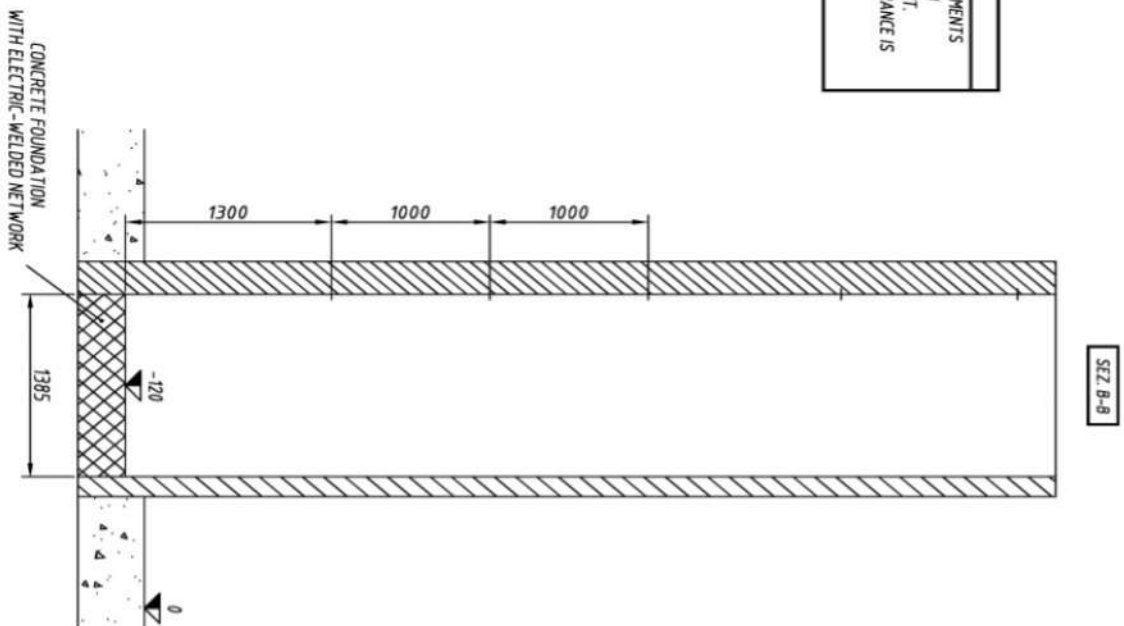
ORDER : CUSTOMER : FINAL USER : RIF. : MODEL :	DATE: _____ STAMP AND SIGNATURE FOR ACCEPTANCE _____
<p>- PLEASE INDICATE:</p> <p>CABIN WALLS COLOUR: <i>Lato Guide: GREY (Similinox)</i> <i>Dx: GREY (Similinox)</i> <i>Sx: Nothing</i> <i>Fronte: GREY (Similinox)</i></p> <p>CABIN FLOORING COLOUR: <i>Grey</i></p> <p>DOORS COLOUR: <i>P0 Sx: Vimec tipo 7040 STD / P1 Sx: Vimec tipo 7040 STD</i></p> <p>STRUCTURE COLOUR: _____</p>	
<p>NOTE:</p> <ul style="list-style-type: none">- BUILD WALL ENCLOSURE WITH INTERNAL FREE DIMENSIONS AS INDICATED. WALLS MUST BE PERFECTLY IN SQUARE AND VERTICAL;- THE RAILS FASTENING TO BE CAREFULLY WALLED AT THE GIVEN DISTANCES AND PERFECTLY VERTICAL.- PROVIDE THE BOTTOM OF THE PIT WITH A SUITABLE HOLE FOR THE DRAINAGE OF RAIN WATER- THE REVEAL MUST BE LEFT UNFINISHED. THE FINISHING TO BE MADE AFTER HAVING WALLED THE DOORS.- SET RACEWAYS $\varnothing 32$ mm. DIAM. FOR THE LOCK EL. CABLES. PLEASE REFER TO THE ATTACHED DRAWING FOR POSITIONING THE LOOMS OF THE LOCKS AND FOR FIXING THE DOORS.- PLEASE NOTE: CHECK THE POSSIBILITY TO INSERT THE CYLINDER IN THE SHAFT. LENGHT OF THE CYLINDER IS TO BE 2991 mm. 2391- WHERE L-BEAMS ARE PROVIDED IT IS NECESSARY TO POSITION TWO BEAMS AS SHOWN IN THE DRAWING. CALCULATE THE TYPE OF BEAMS AND THE ANCHORAGE AS PER THE ATTACHED LOADING DIAGRAM.- DRAWING FOR APPROVAL AND ACCEPTANCE OF COLLECTION WITHIN 30 DAYS FROM EQUIPMENT COMPLETION. DIFFERENTLY ORDER WILL BE CHARGED OF € 10,-/DAY UP TO MAX 60 DAYS - € 50,-/DAY IF OVER.	

CONNECTION POINTS FOR EL.
CABLES AND HYDR. HOSES
COMING FROM THE HYDR. POWER PACK

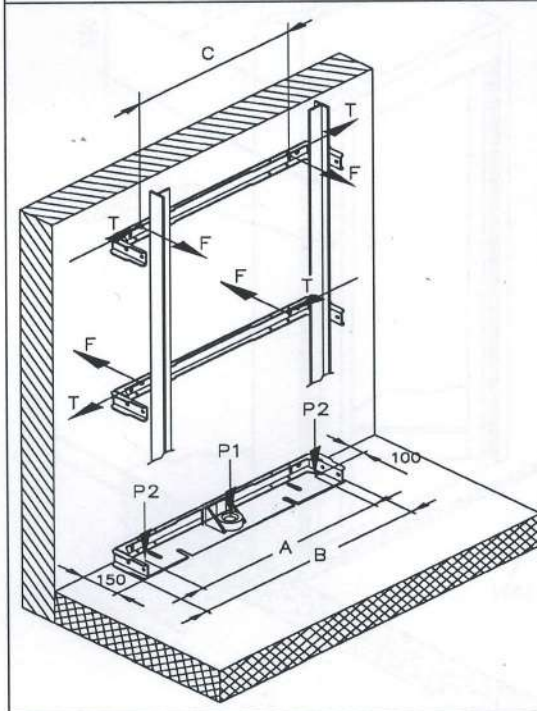




WARNING
THE SHAFT MEASUREMENTS
AND DOORS POSITION
ARE VERY IMPORTANT.
THE ADMITTED TOLERANCE IS
5 mm ONL.Y.



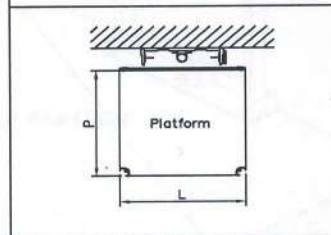
LOAD ON THE BASEMENT & ON THE RAIL SUPPORT



PROJECT DATA

Q =	400	kg
L =	1400	mm
P =	1100	mm
A =	550	mm
B =	640	mm
C =	500	mm
D =	3300	mm

Q = Load
 L = Platform width
 P = Platform depth
 A = Distance between "P2" load
 B = Base plate width
 C = Distance between connection
 D = Travel



VERTICAL LOAD OF THE EQUIPMENT ON THE BASEMENT PLATE

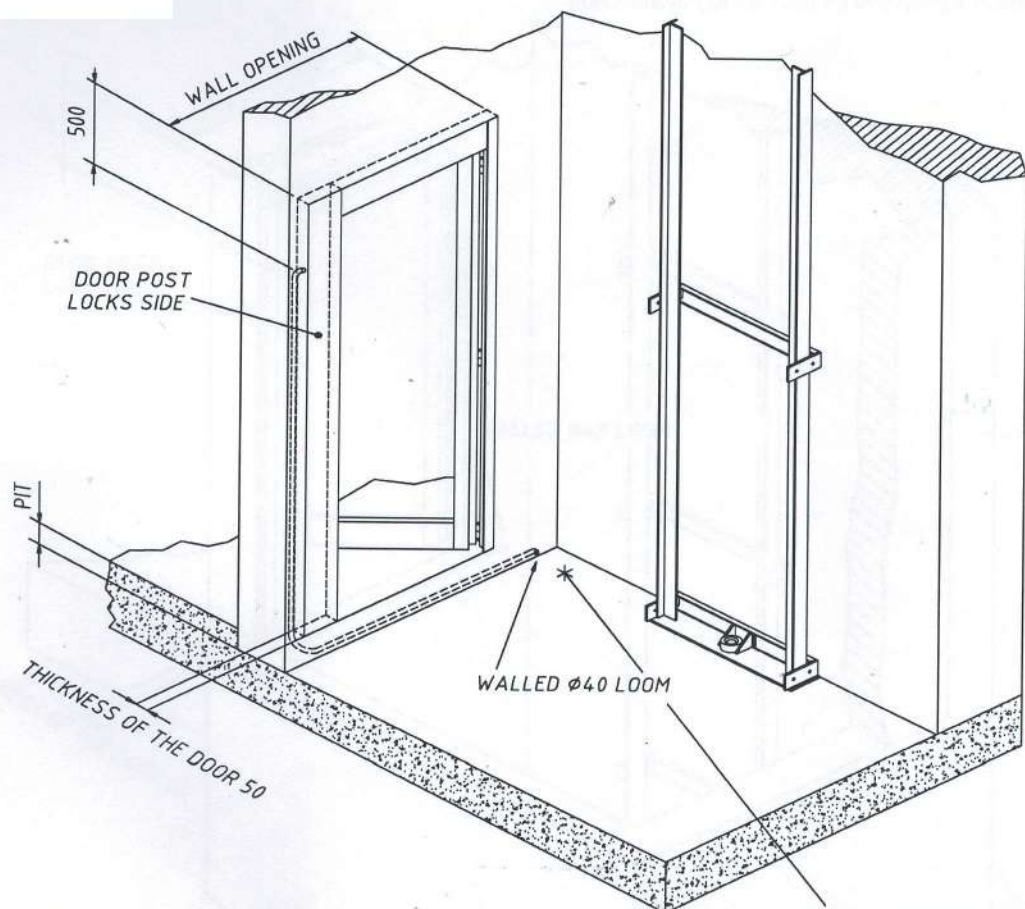
Consider the maximum loads and Not the sum of the loads	P1 (kg)	P2 (kg)
WORKING POSITION	979	52
WITH SAFETY GEAR IN ACTION		1198

HORIZONTAL LOAD OF THE EQUIPMENT ON THE RAIL FIXING

	Centred Loaded	Maximum load decentralized on the platform	
	F(kg)	F(kg)	T(kg)
WORKING POSITION	199	182	43
WITH SAFETY GEAR IN ACTION	366	334	79

DOOR AT THE LOWER FLOOR

HOW TO PREARRANGE LOOMS FOR CONTAINING LOCKS CABLES\MOTORIZATIONS



- It is necessary to reach the indicated corner with an approx. 120mm passage. It is possible to access to the shaft trough the floor or trough one of the walls, near the walls edge.

- The doors have to be mounted in line with the internal wall to be shaft

- Prearrange n°1 wallled Ø40 loom for containing the electrical cables of the lock and any possible motorization

- The loom must go from the side of the door post (on the lock side) and go out in the proximity of the corner indicated near the wall to which rails are fixed.

- In case of remote push - buttons it must be set a second Ø40 loom which connects the push buttons to the corner indicated (rails side wall) or alternatively directly to the electrical panel.

DOOR AT THE INTERMEDIATE FLOOR / TOP FLOOR

E07 VERSION

HOW TO PREARRANGE LOOMS FOR
CONTAINING LOCKS CABLES \ MOTORIZATIONS

