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- PLATFORM STAIRLIFT
- PANORAMA LIFT**
- ENCLOSED CABIN LIFT
- VERTICAL PLATFORM LIFT

ascendor[®]
LIFTTECHNIK



+
**EASY
HOME**

ON-SITE REQUIREMENTS

QUATTROPORTE



ON-SITE REQUIREMENTS QUATTROPORTE

Essential requirements to be provided on-site **before installation begins**:

ELECTRICAL REQUIREMENTS

- » **Control cabinet**
The control cabinet must be placed indoors in a location that is easily accessible at all times. The area around the control cabinet must be well lit. Empty pipes (2xM50) must be provided from the position of the control cabinet to the wall bushing of the track. The wall duct can be seen on the factory drawing.
- » **Supply line ready for operation**
230V 50Hz (L/N/PE/2,5mm² or larger depending on the cable length) to control cabinet, free cable end 3m (position see Ascendor factory drawing, height above floor min. 1m). The electrical connection of the supply line must be checked by a specialist in accordance with current standards and regional regulations and is only approved for provisional operation.
- » **All-current sensitive protective device (RCD)**
two different versions are possible, version b) recommended:
a) Operation with an all-current sensitive RCD from the manufacturer Schrack, type BD874103. Fault-free operation can only be guaranteed with this RCD; technically equivalent models may malfunction. Rated residual current $I_{\Delta n}$ of 30 mA, suitable for operation with frequency converter; rated current 40A. In addition, a separate line protection 16A type „C“ must be provided for the lift system. Labelling in the distribution cabinet is required.
b) Operation without RCD directly on line protection 16A type „C“. The electrical connection must at least fulfil the zeroing conditions. Labelling in the distribution cabinet is required.
- » **Potential equalisation** (10mm² with cable lug) up to rail; free cable end 3m.
Maximum earthing resistance: 5 Ohm
- » **Emergency telephone**
Provide at least 3 telephone numbers, telephone cable (2 x0.25 mm²) up to switch cabinet, connection of telephone cable in switch cabinet on site! Supply cable with analogue telephone signal (own number or extension via telephone system; free cable end 3m)
- » **Emergency telephone via GSM module**
If no fixed network line is available, provide a functioning SIM card without time limit and without PIN query. Mobile network reception must be available at the installation site. If this is not the case, either a GSM amplifier or a fixed network line must be provided on site.
- » **Electrical characteristics**
Rated power (frequency converter) 1,1kW
Max. Current consumption 5A
Control voltage 24Vdc – short-circuit proof

THANK YOU!
YOUR PREPARATION
= ENSURES FASTER
INSTALLATION

ON-SITE REQUIREMENTS QUATTROPORTE

Essential requirements to be provided on-site **before installation begins**:

STRUCTURAL REQUIREMENTS

- » **Installation of scaffolding** on-site, 25-30cm from the wall and with access between levels. Working height to match installation height. Scaffolding shall conform with: EN 12810/12811 (Ö NORM B4007, DIN 4420) and national Health & Safety Regulations.
- » **Frost-proof strip foundation** or similar load bearing base directly underneath lift travel rails, concrete grade C20. Dimensions as defined in installation drawing.
- » Establish the static load-bearing capacity according to Ascendor specifications:
Foundation for vertical load bearing
Mounting surface for horizontal and system load bearing: concrete slab, concrete seal, concrete ring
Concrete quality: C20/25
Max. spacing to concrete: 250mm
Min. anchorage depth: 80mm
Min. edge distance of fixing points: 60mm
Max. distance between fixing points: 3250mm
- » **Door openings** positioned exactly above one another, door recesses smoothly plastered on all surfaces. Dimensions of opening unless otherwise stated: 226 x 105cm.
Refer to Ascendor installation drawing!
- » **The system height above FFL in the upper support is at least 2550mm.** In installation situations where sufficient height is available, a greater system height is planned by Ascendor as standard. In all cases, however, there must be a mounting clearance of 80mm between the top edge of the system and the bottom edge of roof projections. Therefore, the minimum clear height between the FFL in the upper support and the roof projection outside is at least 2630mm.
- » **The facade of the building** shall be finished, plastered and insulated before installation of lift begins (DIN 15824, 18350 & 18202).

Flatness of the facade according to

	Measuring point distance 4m	Measuring point distance 10 m	Measuring point distance 15 m
Permissible deviation	10 mm	20 mm	25 mm

FOR FURTHER INFORMATION

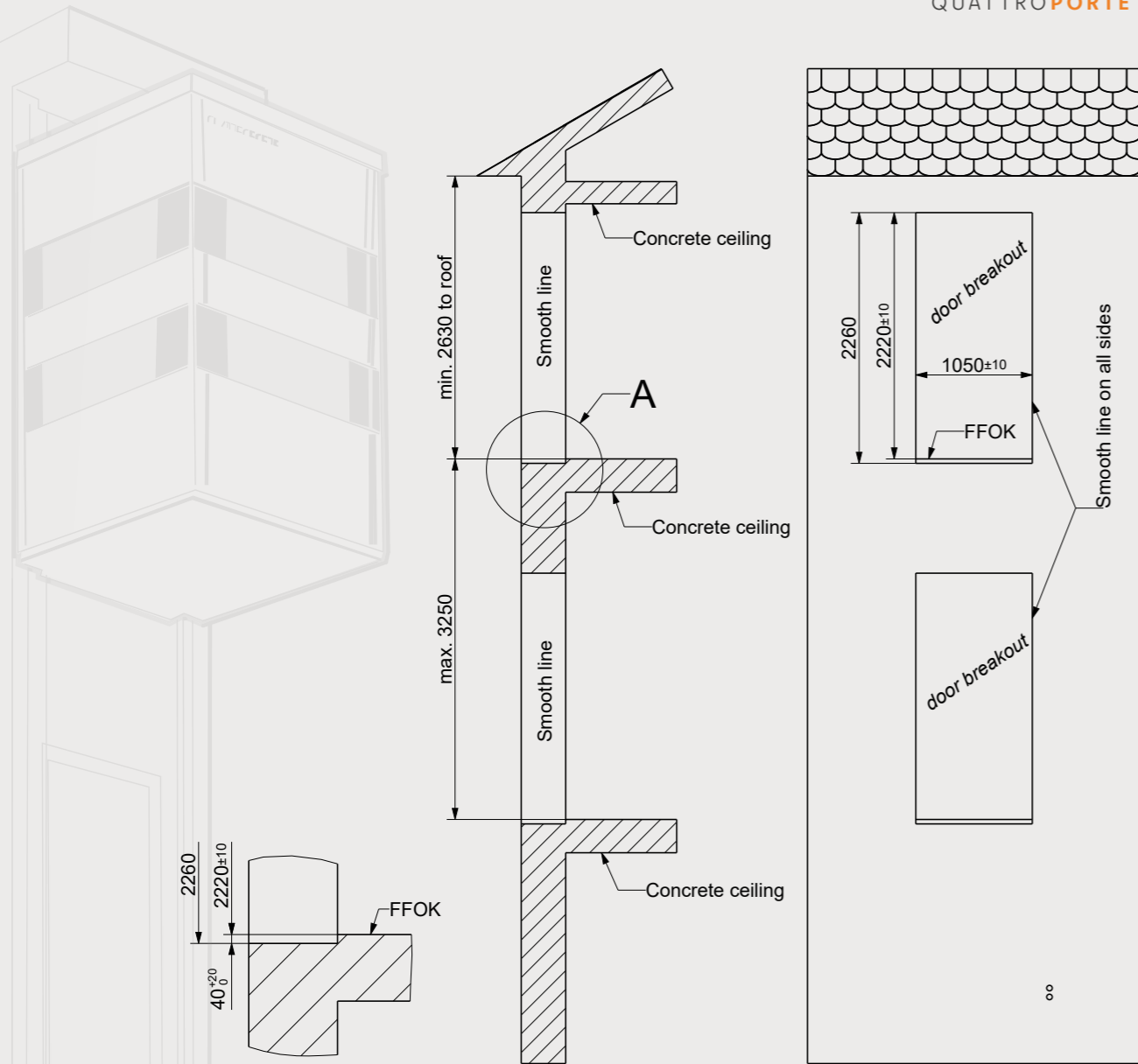
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ON-SITE REQUIREMENTS
**DOOR
BREAKOUT**
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EXAMPLES FOR A
GOOD DOOR BREAKOUT:



Dimensions observed

Smooth line in the reveal

Temporarily protected from the weather

ON-SITE SERVICES FOR DOOR BREAKOUT::

- The door cut-outs must not be smaller than specified (no negative tolerances)!
- The door cut-outs must not be larger than $\pm 10\text{mm}$!
- Door cut-outs must be manufactured exactly perpendicular and at right angles!
- All openings provided by the customer (door opening, empty piping) must be protected against water penetration!
- The house facade must be plastered and insulated before installation begins!
- The door is fixed in the reveal with stick claws (wall claws).
- These cane claws must be covered or plastered after installation.
- The door soffit is to be provided with a smooth finish!

EXAMPLES FOR A
BAD DOOR BREAKOUT:



ON-SITE REQUIREMENTS

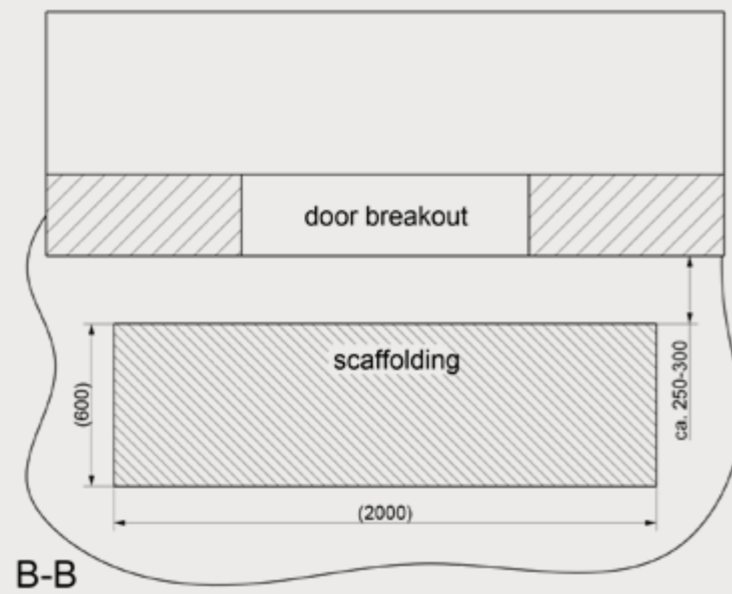
SCAFFOLDING PLAN

QUATTROPORTE

ON-SITE REQUIREMENTS

SCAFFOLDING PLAN

QUATTROPORTE



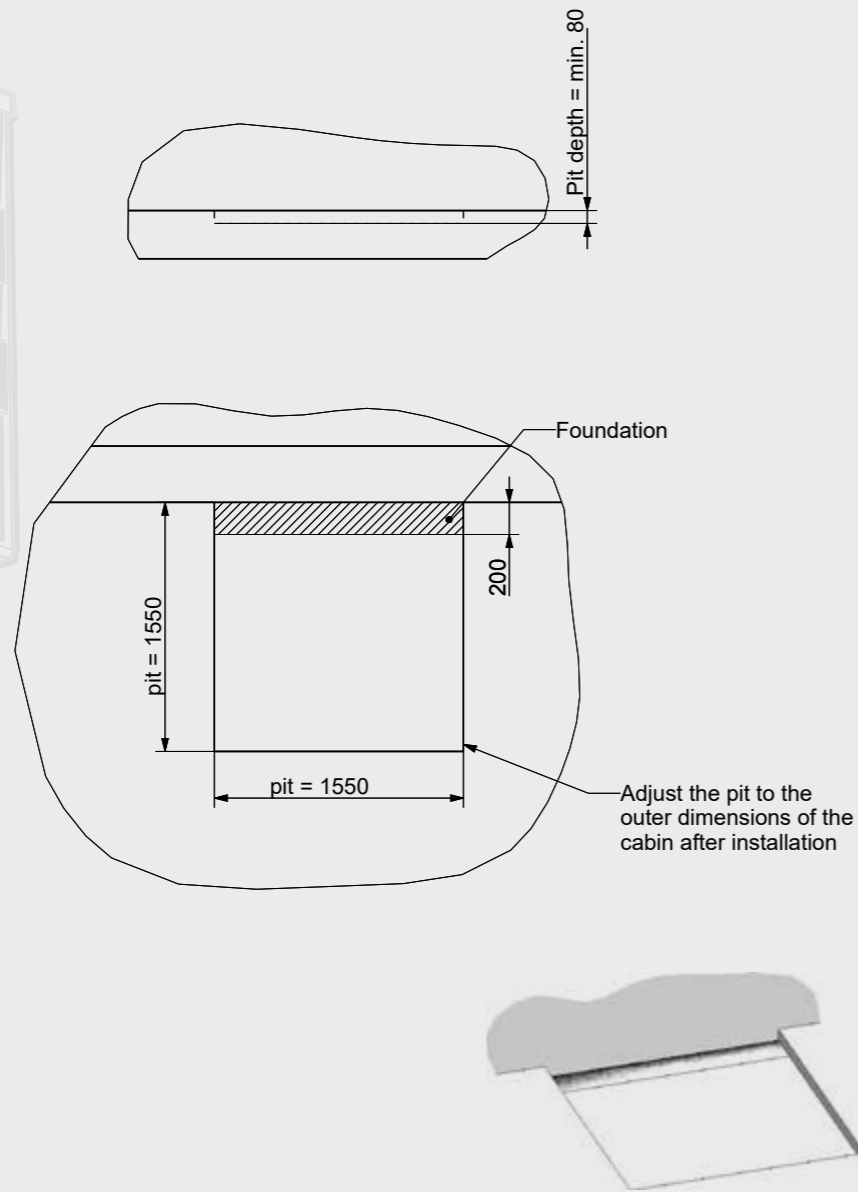
SCAFFOLDING VERSION:

- Working height according to system height
- topmost plate approx. 1.5 to 2.5m above FFL of the topmost stop
- with access possibility
- anchored to the house facade if necessary
- Scaffolding according to EN 12810/12811
- (Ö NORM B4007, DIN 4420) and the local occupational health and safety regulations.



ON-SITE REQUIREMENTS
PIT AND FOUNDATION
QUATTROPORTE

ON-SITE REQUIREMENTS
PIT AND FOUNDATION
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FOUNDATION

- ~ 1550x200mm and frost-proof
- ~ Concrete quality at least C20/25

PIT

- ~ 1550x200mm and 80mm deep
- ~ Concrete quality at least C20/25
- ~ Provide drainage



GENERAL REQUIREMENTS

- » A static, bolted scaffolding shall be provided for all working areas 1 meter above ground level in acc. with EN 12810/12811 (Ö NORM B4007, DIN 4420) and the local health & safety regulations. Structure is either freestanding or anchored to house wall and shall include all necessary safeguards and fittings to provide protection from falls.
- » Pit depth, (if required) minimum 80mm under FFL of the bottom lift station. The pit floor shall be sloped to ensure rainwater can flow to a drain which must also be provided. Paving work and the laying of slabs/tiles around and in the shaft pit may only be carried out after the lift installation has been completed.
- » Sufficient lighting must be provided on site in the lift entrance area and in the area of the control cabinet (min 200lux), lighting shall operate without the use of automatic delay or timer
- » For outdoor installations, provide protection against lightning strikes. If the building already has lightning protection, this must be extended to the lift system by a specialist.
- » Planning approval and permission must be obtained and executed in accordance with local regulations.
- » It must be ensured that in the event of fire alternative escape routes are available to installation personnel.
- » For safety reasons, outdoor installation work will not be carried out in winter or during adverse weather conditions.
- » On-site openings (i.e.: door recesses) shall be provisionally protected from the weather (i.e.: rain and cold).
- » The building must be able to completely bear all the horizontal and vertical loads generated by the lift and its ancillaries.
- » The necessary calculations shall be provided by a qualified structural engineer.
- » A socket must be provided immediately next to the lift to enable local lighting for inspection and maintenance work.

CONSTRUCTION NOTES

- » The threshold of the building door is deliberately kept flat so that it can be easily overcome, for example with a wheelchair. As with other barrier-free door designs, this results in certain technical disadvantages with regard to tightness in extreme weather conditions. Rain and strong gusty wind paired with an exposed installation position occasionally leads to a slight ingress of water in the area of the door threshold. However, this ingress of water is by no means a defect and is therefore no reason for complaint. As a remedy, we recommend using an evaporation channel indoors in combination with the 3-fold door latch.
- » For your own security, we recommend replacing the cylinder lock during or directly after the installation.
- » Due to the anchoring to the existing building structure, sound can propagate inside the building. Depending on the building structure, measures can be taken on site before the lift is installed to reduce the sound propagation. A sound level that is perceived as too high is not a reason for complaint.
- » The minimum distance from the guide rails to a window must not be less than 850 mm. If the distance falls below this value, the utilisation of the window must be checked and alternative measures such as tilt-only application, lockable windows or measures in accordance with EN ISO 13857 Table 3 must be implemented.

DURING THE INSTALLATION

- » Dismantling of the assembly scaffolding on site by suitable personnel. The necessary scheduling must be coordinated with the lift assembly team on a project-specific basis.
- » Before installation begins, the working area must be completely cleared and unrestricted access provided both to the outside and inside of the building.
- » Provide unrestricted access to sanitary facilities (toilets, washbasins) for the installation personnel for the complete duration of the installation
- » Provide unrestricted access, close to site to park and manoeuvre the service vehicle and trailer
- » Provide a sheltered and secure free space of 15m², for storage of tools and material.
- » Provide electrical power supply (230V) for lighting, installation and trial operations, free of charge.
- » Accessible staircase providing unrestricted access to all levels of installation building.
- » Presence of an authorised person or the operator to sign the completion acceptance on the last day of assembly and designated person to receive training as elevator attendant.

AFTER THE INSTALLATION

- » The cladding of door anchors, gaps around doorframes including ceiling and floor, gaps between the travel rails and outside walls (projections, recesses and uneven surfaces) must be completed on-site.
- » All measures relating to connection of the emergency call system to a permanently staffed position.
- » A mechanical stop must be installed on site for the car door, especially in exposed areas (wind), to prevent the open door from being opened beyond the stop of the guide rail by strong winds. It must be ensured that the selected stop is sufficiently stable to withstand the wind pressure.
- » If the floor marking tape supplied by Ascendor cannot be applied: Attach a strongly contrasting ground marking that permanently and weatherproofly marks the landing area of the cabin. The projection area of the cabin is 1350x1250mm and the extended protective field 500mm above the projection area must be marked with strips at least 3cm wide and in contrasting colours to the rest of the floor.

» The following points are exempted:

» Position: Architect Client

SIGNATURE Location, Date

» _____

Additional work resulting from breach of this agreement will be added to final invoice. I have read this agreement and will arrange for the installation site to be prepared in accordance with the instructions provided herein and on the installation drawings.



FOR FURTHER INFORMATION

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