

SPECIFYING GUIDE

Melody 1

ED01000L



Terry Lifts

◆ THE ONE TO TRUST ◆



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Introduction

Terry Group is an active member of The Lift and Escalator Industry Association (LEIA) and has over 50 years' experience in the design and manufacturer of specialist products for persons with impaired mobility. All work undertaken by Terry Group is carried out to the international quality standard BS EN ISO 9001.

The Melody 1 is a hydraulically operated scissor platform lift capable of lifting loads of 250 kg up to 1 metre between fixed levels.

Designed and manufactured in accordance with BS 6440, the Melody 1 is suitable for use by persons with impaired mobility in either public buildings or private dwellings. The Melody 1 standard features include an integral platform gate and a low closed height eliminating the need for a pit. An upper level gate option is also available or an interlock unit can be supplied to fit the client's own door.

Special consideration has also been given to the location and dimensions of controls allowing safe and unaided use by person(s) with impaired mobility whether standing or in a wheelchair. A control station is provided on a platform handrail and at the upper and/or lower levels depending on requirements. A remote control option is also available to limit the use of the lift to authorised users only.

The lift is suitable for internal and external locations (excluding coastal applications) and a major feature of the design is that the platform is free standing, eliminating the need for guide column supports and thus minimising aesthetic intrusion into the environment. The majority of the lift is finished in brushed stainless steel finish. Other finishes can be supplied to special order.

End-user / Client and Environmental Considerations

Final lift selection should include full consultation with the client and/or their authorised representative. The following points should be included in any client discussion:

- Basic principles of lift operation and safety features.
- Location of lift and ease of access at lower and upper levels.
- Duty cycle (See page 4 Technical Details).
- Check that the load capacity of 250 kg will not be exceeded.
- Long term suitability of equipment and long term user mobility i.e. will client require/ change wheelchair or become incapable of operating existing controls?
- Overall space requirements of the lift including turning requirements of wheelchair.
- Location of lift charger box.
- The extent of the intended preparatory work and the time period involved.
- Any deviation from the standard options listed in this specifier's guide must be approved by Terry Group Ltd.
- In the event of a change to client requirements or specification, a new completed survey & specification sheet and quotation would be required rather than modifications to current documents.
- Determine if Local Authority documents are required, e.g. Building Notices and confirm who will be submitting them.

Standard Lift

Right-hand powerpack

Round tubular stainless steel handrails without infill

Round tubular stainless steel platform gate without infill

Barley seed ground floor ramp with call station incorporated in painted post, (part M compliant)

Powerpack in stainless steel

Square section standard upper level gate (painted). Includes polycarbonate infill and call station incorporated in post (part M compliant)

Platform controls (part M compliant)

Lift Charger Box mounted internally

Additional Product Options

Round tubular stainless steel platform sides/handrails with polycarbonate infill

Round tubular stainless steel platform gate with polycarbonate infill

Square section standard upper level gate (stainless steel). Includes polycarbonate infill and call station incorporated in post (part M compliant)

Square section narrow upper level gate (painted). Includes polycarbonate infill and call station incorporated in post (part M compliant)

Side exit square section upper level gate (painted) with polycarbonate infill (domestic only)

Side exit lift (domestic only)

Upper Level Gate Interlock Kit

Double bridge step unit (domestic only)

Triple bridge step unit (domestic only)

Pit installation (internal applications only)

Remote enabler

Remote isolate

Additional Remote Enabler fob(s)

Barley seed ground floor ramp with call station incorporated in stainless steel post, (part M compliant)

Stand alone call station mounted in post with cover (stainless steel)

Stand alone call station mounted in post with cover (painted finish)

Flush mounted call station

Surface mounted call station

Special paint finishes.

Dual carriage control panel

External charger box (IP rated)

Melody 1 Public Access

If specifying a lift for Public Access there are certain options that are not available.



For Public Access the lift must be:

- Straight on/off (side exit not available)
- Upper Level Gate required on travels above 260 mm (Bridging Steps not available)

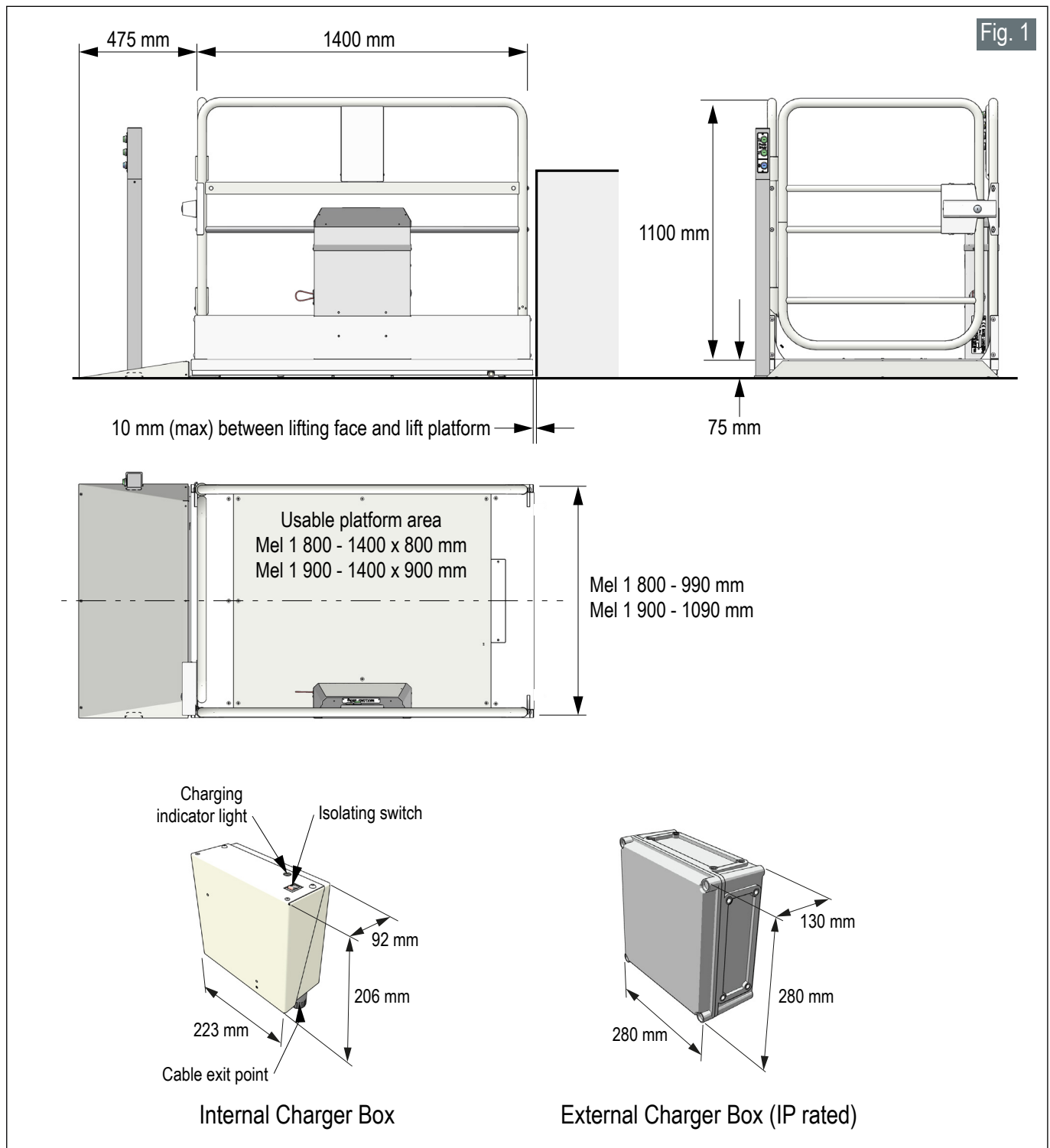
For Public Access installations it is also required to have a Circulation/Rest Area of 1500 mm minimum.

Technical Details

Application Range	Ambulant and wheelchair users. Internal and external locations (excluding coastal applications).
Safe working load	250 kg
Closed height	75 mm
Maximum travel	1 metre (1000 mm) with upper level gates. 960 mm max rise with bridging step. (Bridging steps domestic only). Lift in pit 920 mm.
Rated speed	0.06 metres per sec.
Upper level protection requirements	Domestic - rise exceeding 290 mm. Public Access - rise exceeding 260 mm.
Power Supply	100/240V AC ~ 50/60Hz - 680mA (max).
Low voltage operating system	12/24V DC
Electrical requirements	Single or double mains socket, or unswitched spur fitted in compliance to local electrical regulations/standards. The lift does not require a dedicated power supply or RCD protection. The lift has full battery back-up, the lift should never be left disconnected from the mains supply for long periods.
Optional radio remote control	3V key fob non-rechargeable coin cell.
Duty Cycle. Normal cycling (maximum)	10 cycles per hour, or 40 cycles in any 24 hour period whichever is the greater.
Hydraulic oil grade	T22
Temperature Range	-10°C to + 40°C
Lifting mechanism	Fully enclosed hydraulic scissor arms.
Design and manufacturing Standard	BS6440, UKCA & CE Mark.

Terry Lifts' policy is one of continuous product development and the company reserves the right to change specifications without notice.

Lift Dimensions

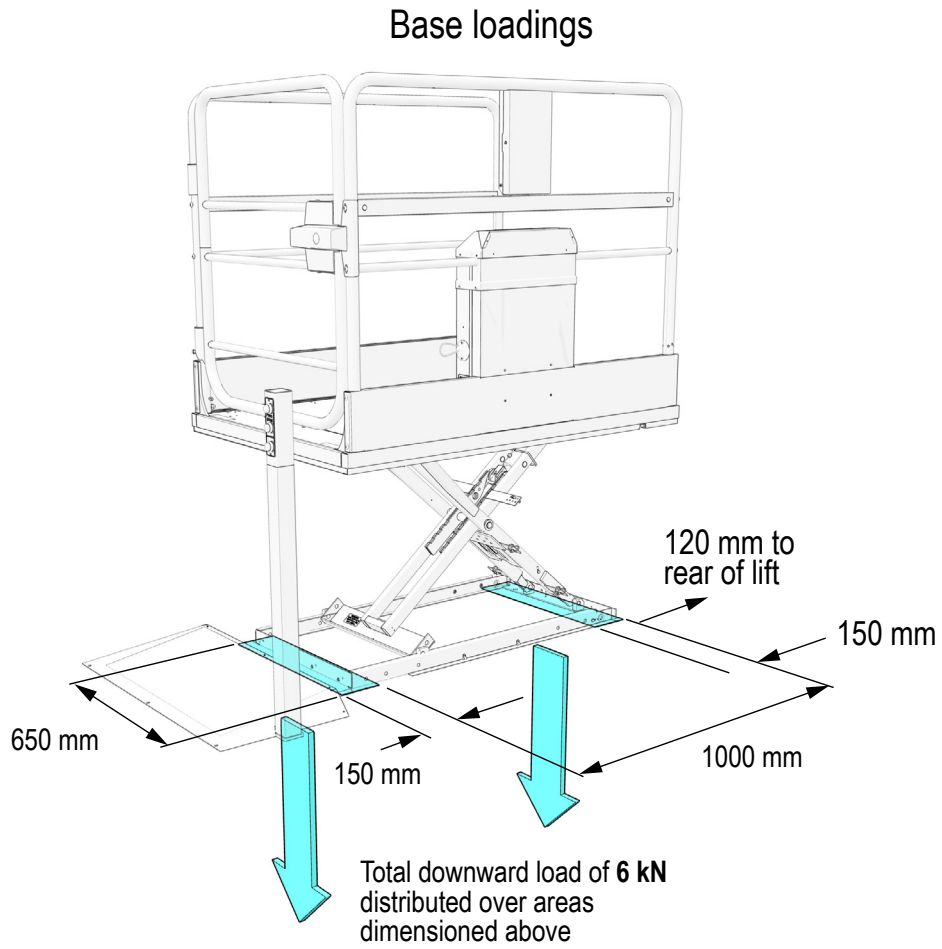


Weights and Boxed Dimensions

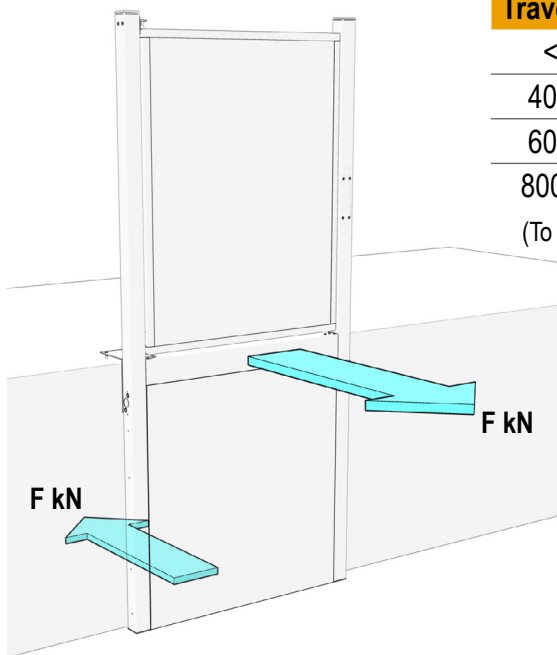
Configuration	Boxed size (mm)	Boxed weight on pallet (kg)
Lift only	1580L x 1220W x 620H	260
Lift + Upper Level Gate	2135L x 1220W x 770H	300
Lift + Bridging Unit	2135L x 1220W x 1670H	435

Loadings

Fig. 2



Gate loadings



Travel (mm)	F kN - Domestic	F kN - Public Access
< 400	5.5	10
400-600	3.7	7.5
600-800	2.2	5.7
800-1000	2.3	4.7

(To comply to BS6399 Loadings for Buildings)

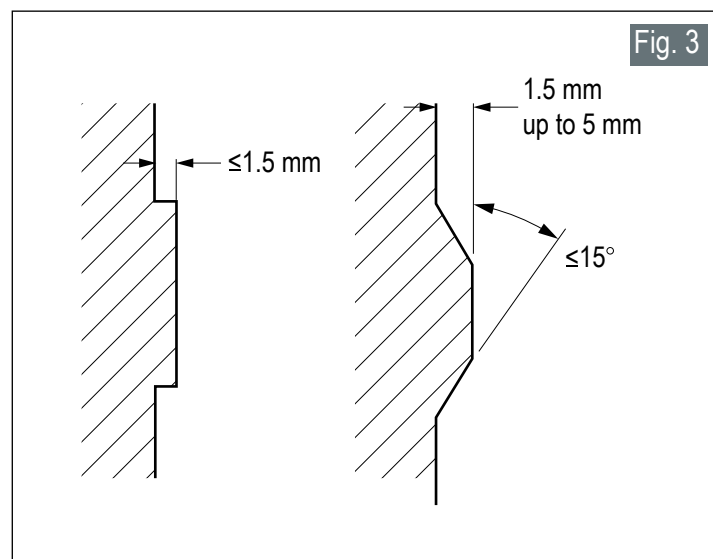
Running Clearances

1. Less than 10mm (one side only)

- If the lift will run less than 10 mm from a continual, smooth and flush enclosure wall, then no handrail is specified on the 10 mm side.
- The enclosure wall must continue 1100 mm above the upper level.
- For the non 10 mm side, refer to points 3 or 4 below.

2. Adjacent surfaces

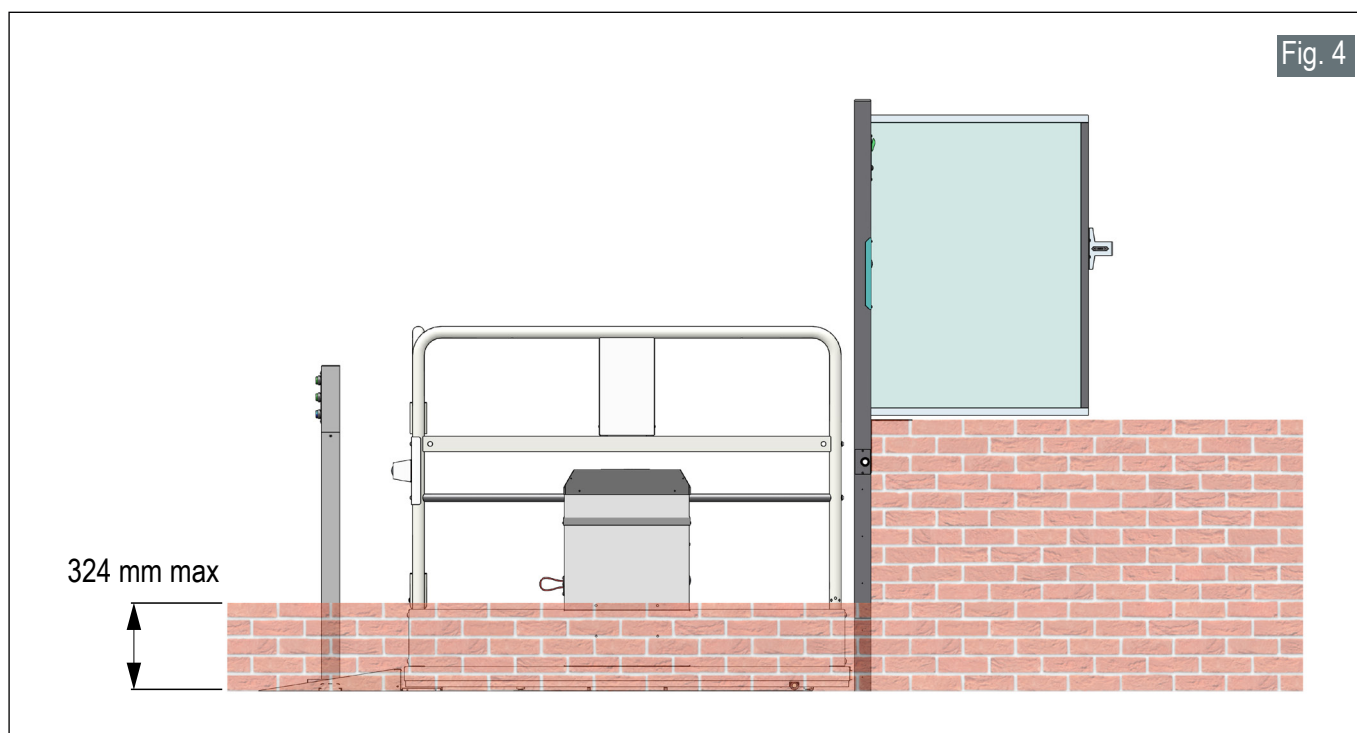
- For adjacent surfaces 10 mm or less from any part of the lift, any projections on the surfaces shall be as follows in figure below.
- If they include projections up to 1.5 mm, they may have square corners.
- If they include projections from 1.5 mm up to 5 mm, they shall have a minimum of 15° vertical chamfers on all edges.



3. Greater than 100 mm and less than 300 mm (currently there is no option for a handrail safe edge)

- Where the enclosure walls are continually smooth and flush and fulfil the requirements of point 2 b/c and continue 1100 mm above the upper level, then handrail infills are not required and the lift can be positioned a minimum of 100 mm away from the walls.
- Where the lift handrails travel above the top of a smooth and flush wall without any projections, the lift handrails must be infilled.
- Where the enclosure walls do not fulfil the requirements of point 2 b/c, and have any kind of projections, then the lift must be positioned a minimum of 300 mm way from the enclosure walls as no safe edge can be offered at this time.
- Where the lift handrails would be less than 300 mm from any railings, the lift handrails must be infilled.

- e) Where the lift is at the lower level, with less than 300 mm between the underside of any of the horizontal bars on the lift handrails and the top of the enclosure walls then the lift handrails must be infilled. If the lift handrails are not infilled, the lift must be positioned 300 mm away from the enclosure walls.
- f) Where the below can be achieved, the lift can be fitted a minimum of 100 mm from the enclosure walls without handrail infills.
- g) Where none of the above can be achieved, please seek advice from Terry Lifts.



4. Greater than 300 mm

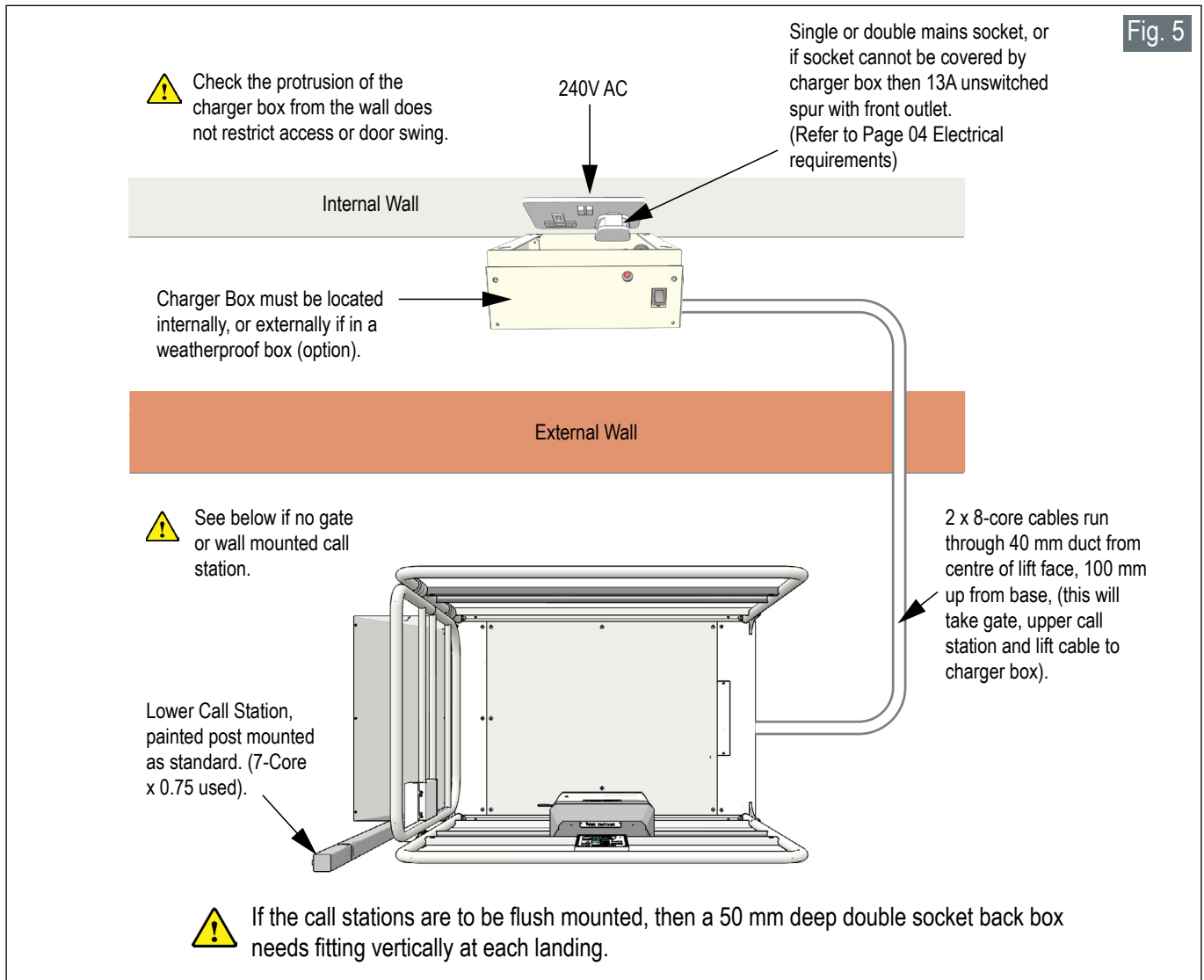
- a) The lift can be installed with greater than 300 mm on either side, although a risk assessment of the immediate surrounding area must always be carried out.

At survey stage, it is important to always consider and discuss any handrails, walls or fences that may be erected post installation and advise accordingly of the required clearances. If they are erected post installation, there could be a problem during the first service where the lift could be potentially isolated.

Examples of common projections:

- Coping stones
- Cappings
- Drainpipes
- Windowsills
- Outward opening windows
- Taps
- Wall vents
- Outlet pipes
- Electrical conduits/trunking
- Gas / water pipes
- Handrails
- Fencing
- Wall lights

Schematic Cable Run



Duct Positions

- ⚠ All ducts to have swept elbows and a substantial draw cord fitted. If duct not provided surface trunking and flexible hosing will be used.

Charger box duct

- 1 x 40 mm duct from the centre of the lift face, 100 mm up from the base going back to the charger box (as shown above).
- If the above is not possible, then 1 x 40 mm duct from either side of the lift, in the base or the lift face at ground level going back to charger box.

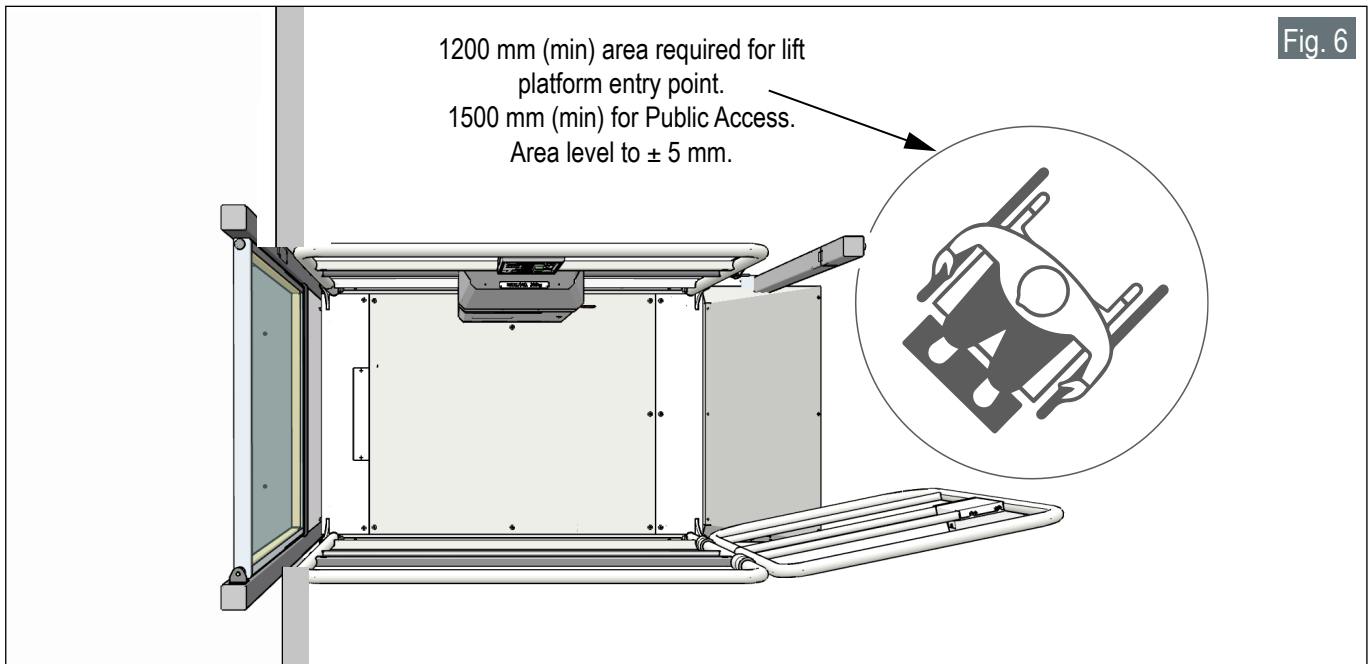
Upper call station duct

- If wall mounted upper call station, then 1 x 40 mm duct from call position to the charger box.

Lower call station duct

- If wall mounted lower call station, then 1 x 40 mm duct from call position preferably to the front corner of the platform/ramp.
- If the above is not possible, then 1 x 40 mm duct from either side of lift, in the base, lifting face, or to charge box. 5 m max run from Call Station to middle of lifting face as standard.

Lower Level Circulation/Rest Area



Base Preparation - Straight On/Off

! Lift must not be located over external services e.g. mains water stop tap, inspection cover etc.

100 mm (min) thick concrete base to be level to ± 5 mm over base area. Drainage grooves position to suit site requirements. 600 mm (max) between grooves. For internal installation fit 18 mm plywood base (WBP grade).

'A' Base length

'B' Base width

! Consideration to be given to the lift clearances when positioning the lift base. See Page 07 Running Clearances.

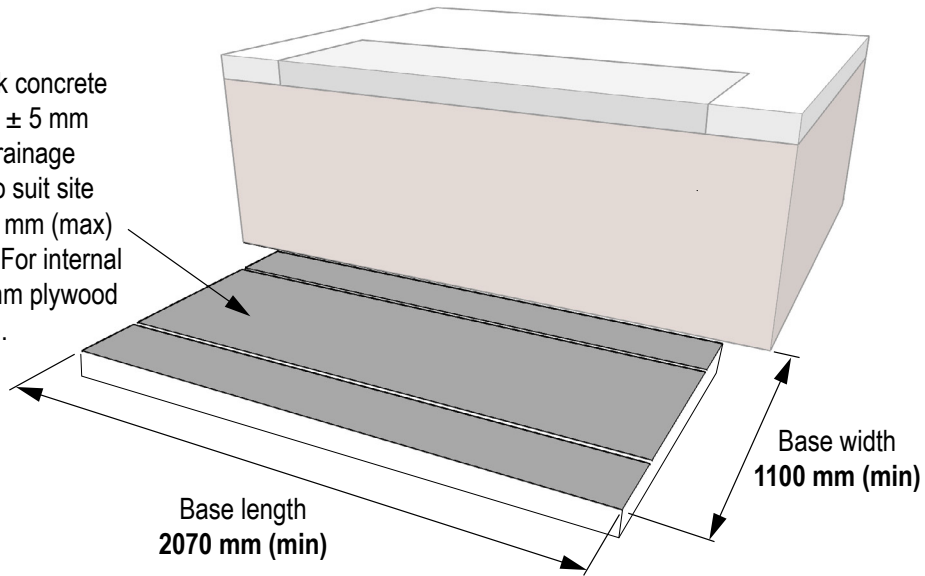
Mel 1 800	'A' (min)	'B' (min)	Mel 1 900	'A' (min)	'B' (min)
Lift only (rise < 290 mm)	1950	1010	Lift only (rise < 290 mm)	1950	1110
Lift + Upper Level Gate	2010	1010	Lift + Upper Level Gate	2010	1110
Lift + Double Bridging Step	2510	1010	Lift + Double Bridging Step	2510	1110
Lift + Triple Bridging Step	2765	1010	Lift + Triple Bridging Step	2765	1110

Fig. 7

Base Preparation - Side Exit (Domestic only)

Fig. 8

100 mm (min) thick concrete base to be level to ± 5 mm over base area. Drainage grooves position to suit site requirements. 600 mm (max) between grooves. For internal installation fit 18 mm plywood base (WBP grade).

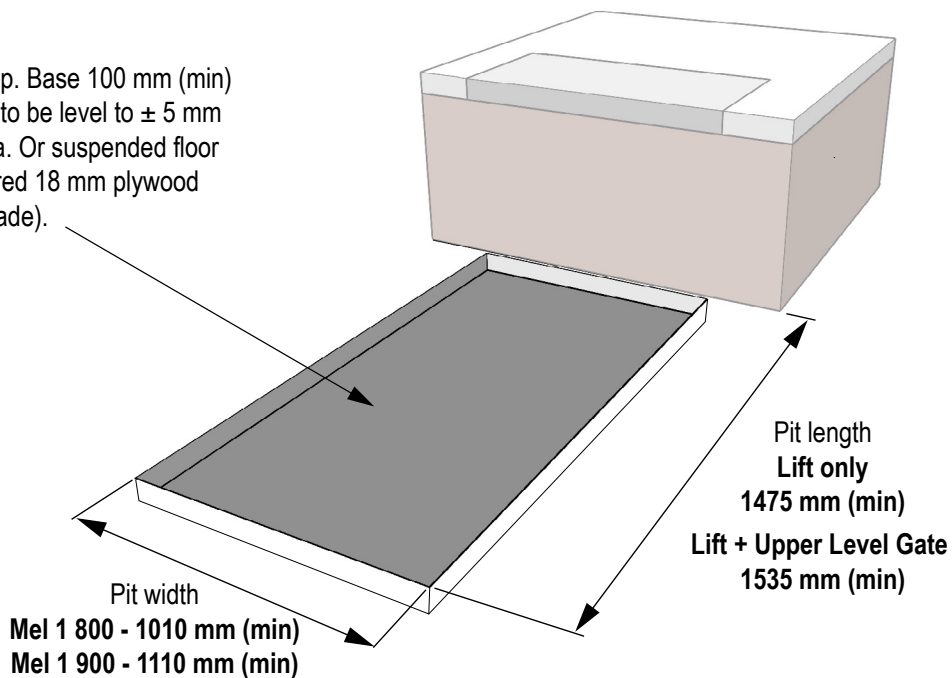


! Consideration to be given to the lift clearances when positioning the lift base. See Page 07 Running Clearances.

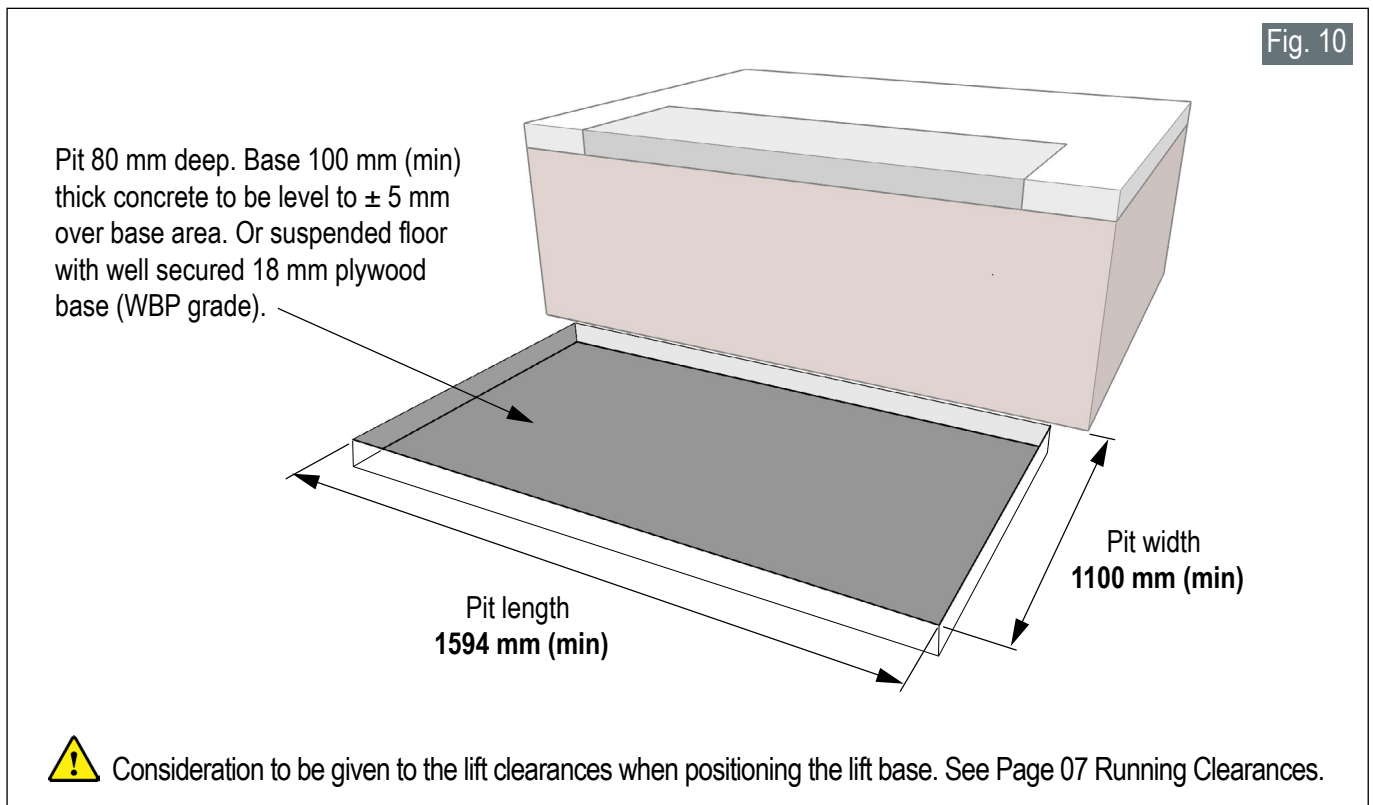
Pit Preparation - Straight On/Off (Internal only)

Fig. 9

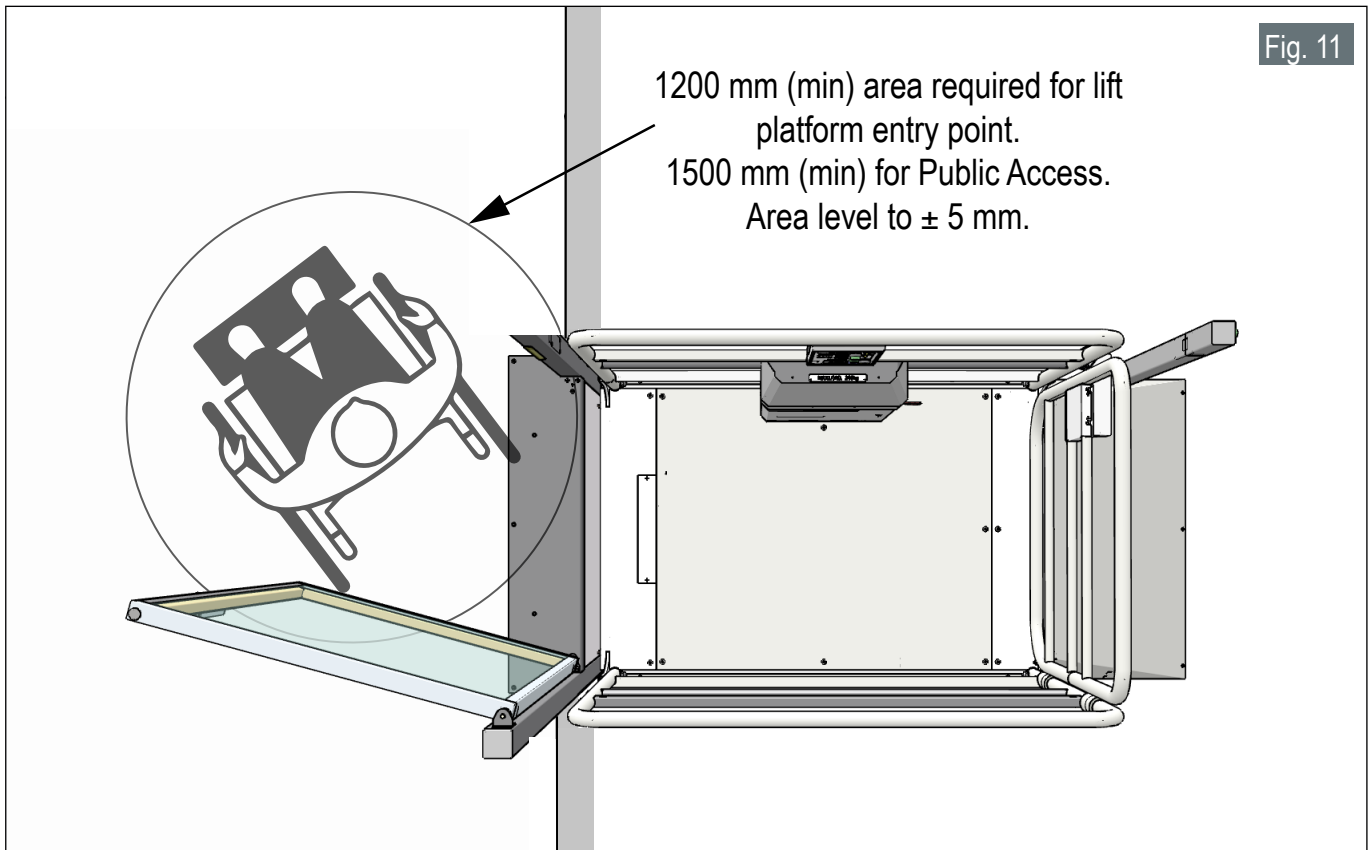
Pit 80 mm deep. Base 100 mm (min) thick concrete to be level to ± 5 mm over base area. Or suspended floor with well secured 18 mm plywood base (WBP grade).



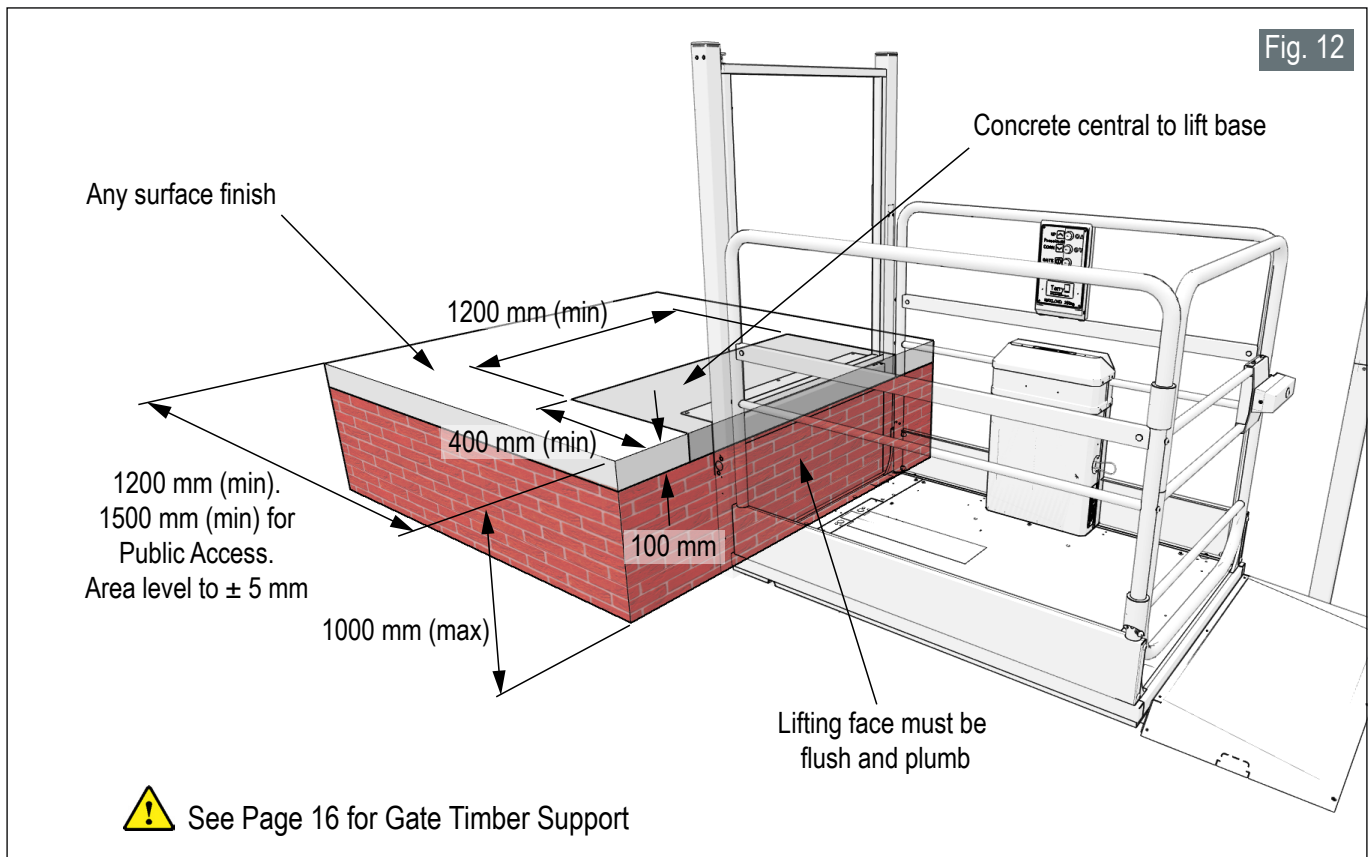
! Consideration to be given to the lift clearances when positioning the lift base. See Page 07 Running Clearances.

Pit Preparation - Side Exit (Domestic and internal only)

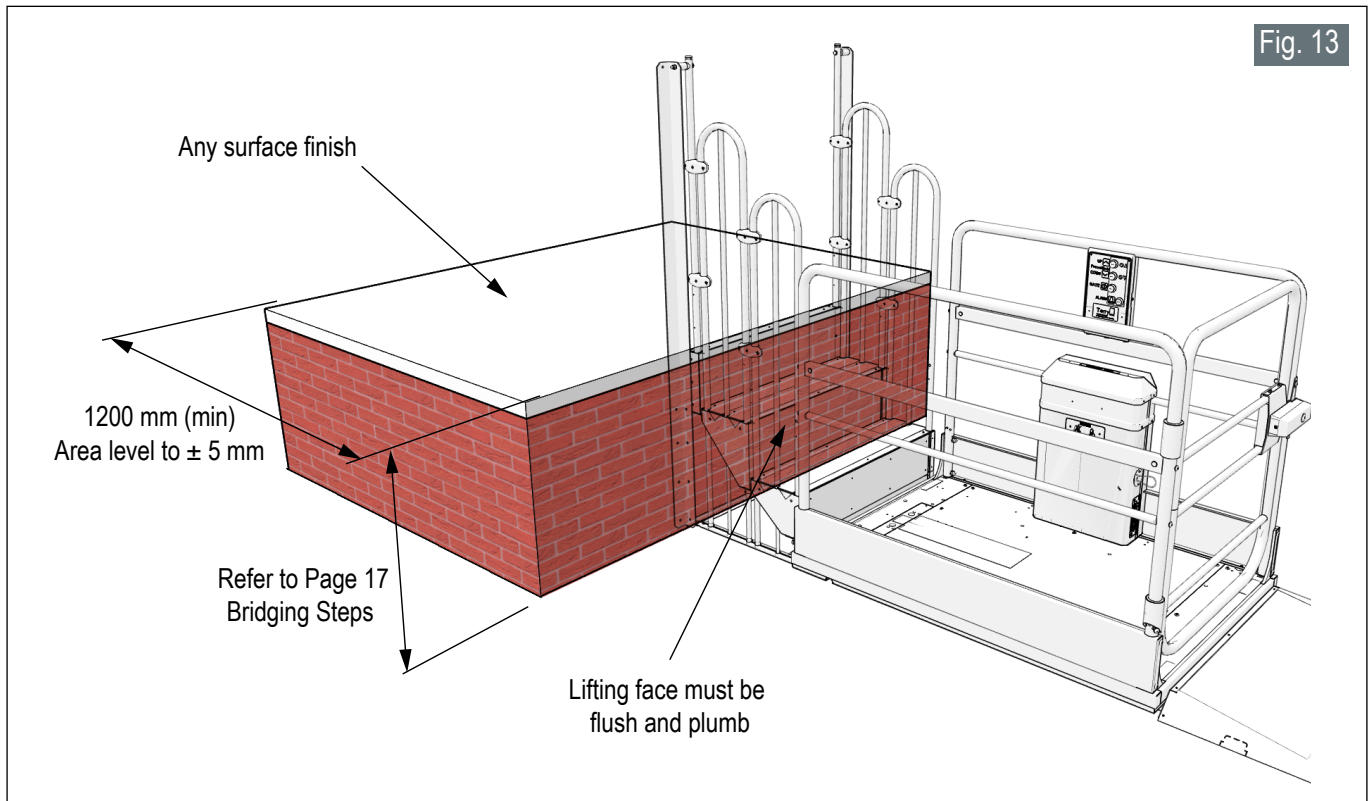
Upper Level Circulation/Rest Area



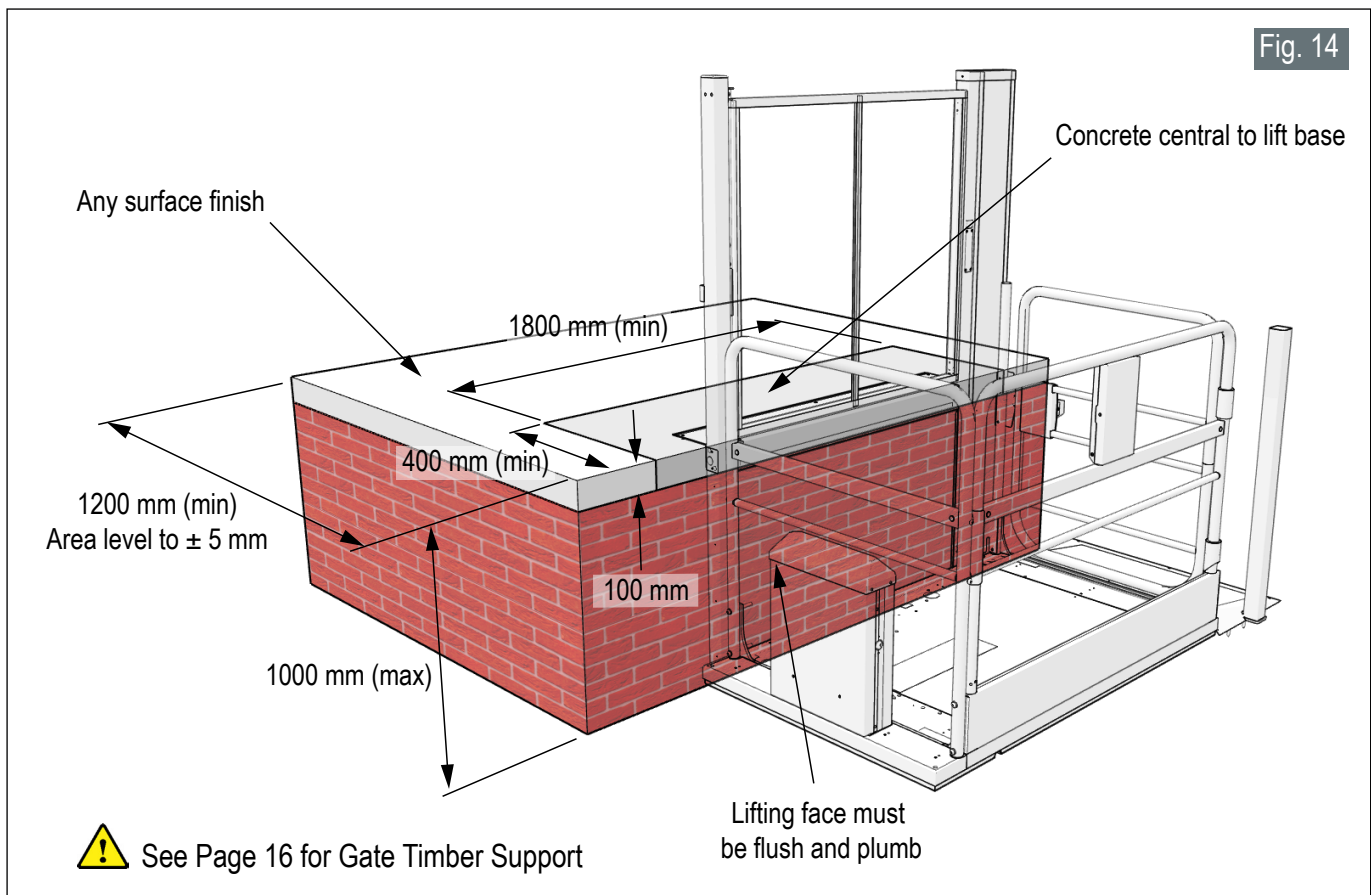
Landing Area Preparation - Standard or Narrow Upper Level Gate



Landing Area Preparation - Bridging Steps (Domestic only)

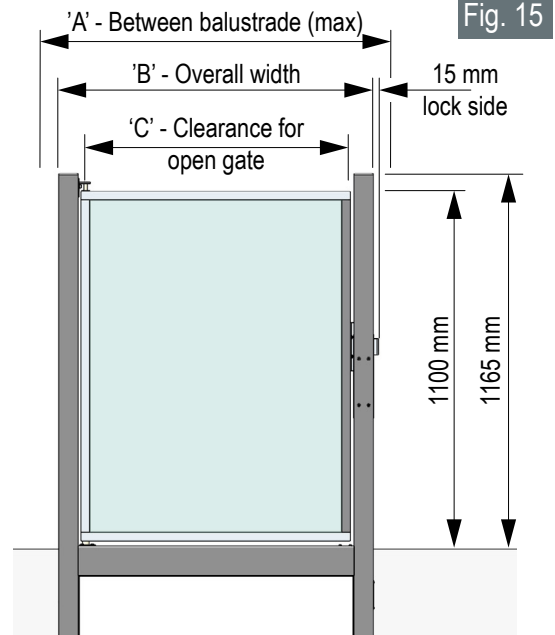
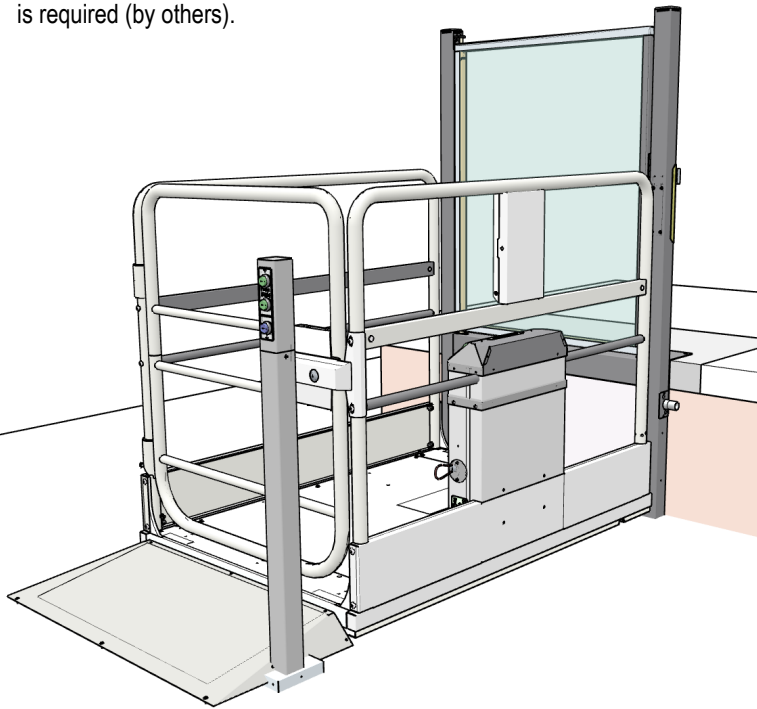


Landing Area Preparation - Side Exit Upper Level Gate (Domestic only)



Standard or Narrow Upper Level Gate

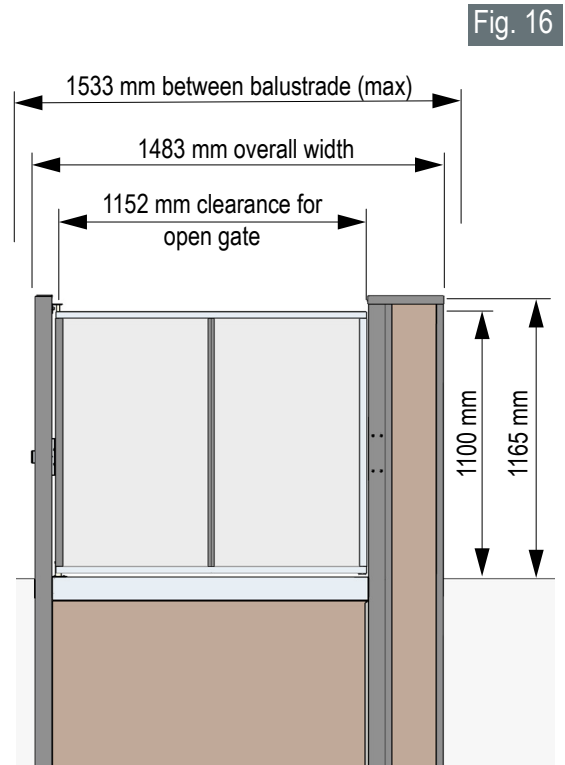
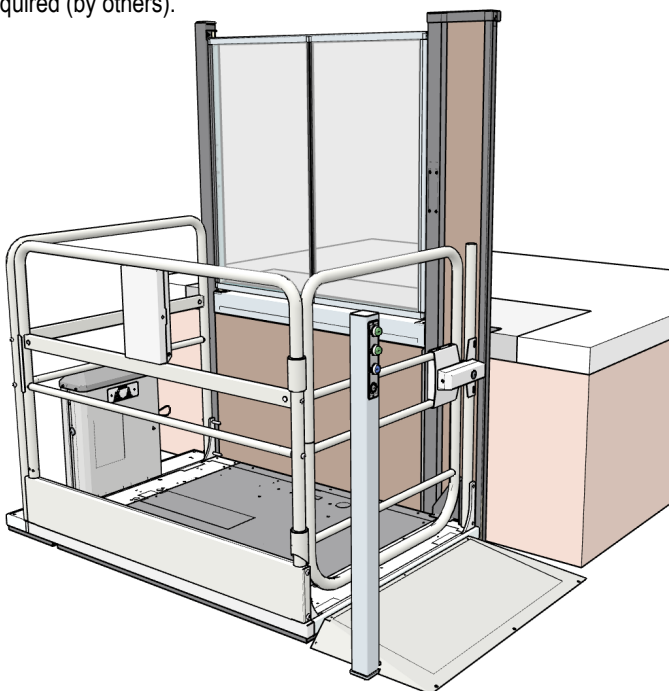
Upper level protection either side of gate is required (by others).



	'A'	'B'	'C'
Narrow Gate	1050	998	812
Standard Gate	1140	1087	902

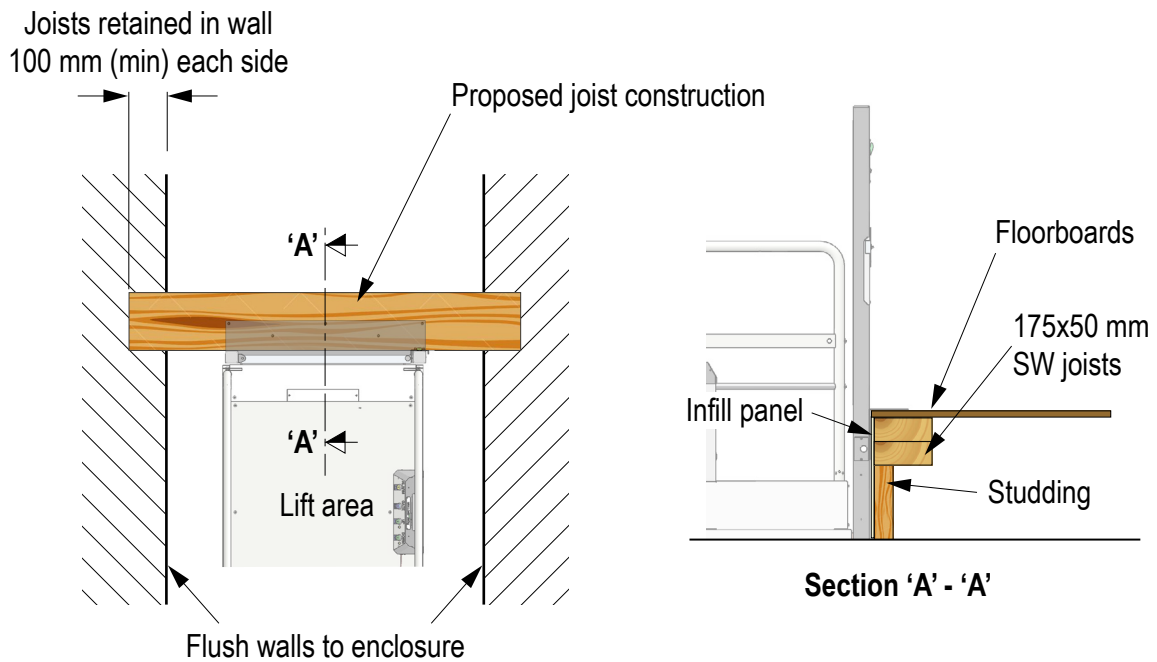
Side Exit Upper Level Gate (Domestic only)

Upper level protection either side of gate is required (by others).



Gate Timber Support

Fig. 17

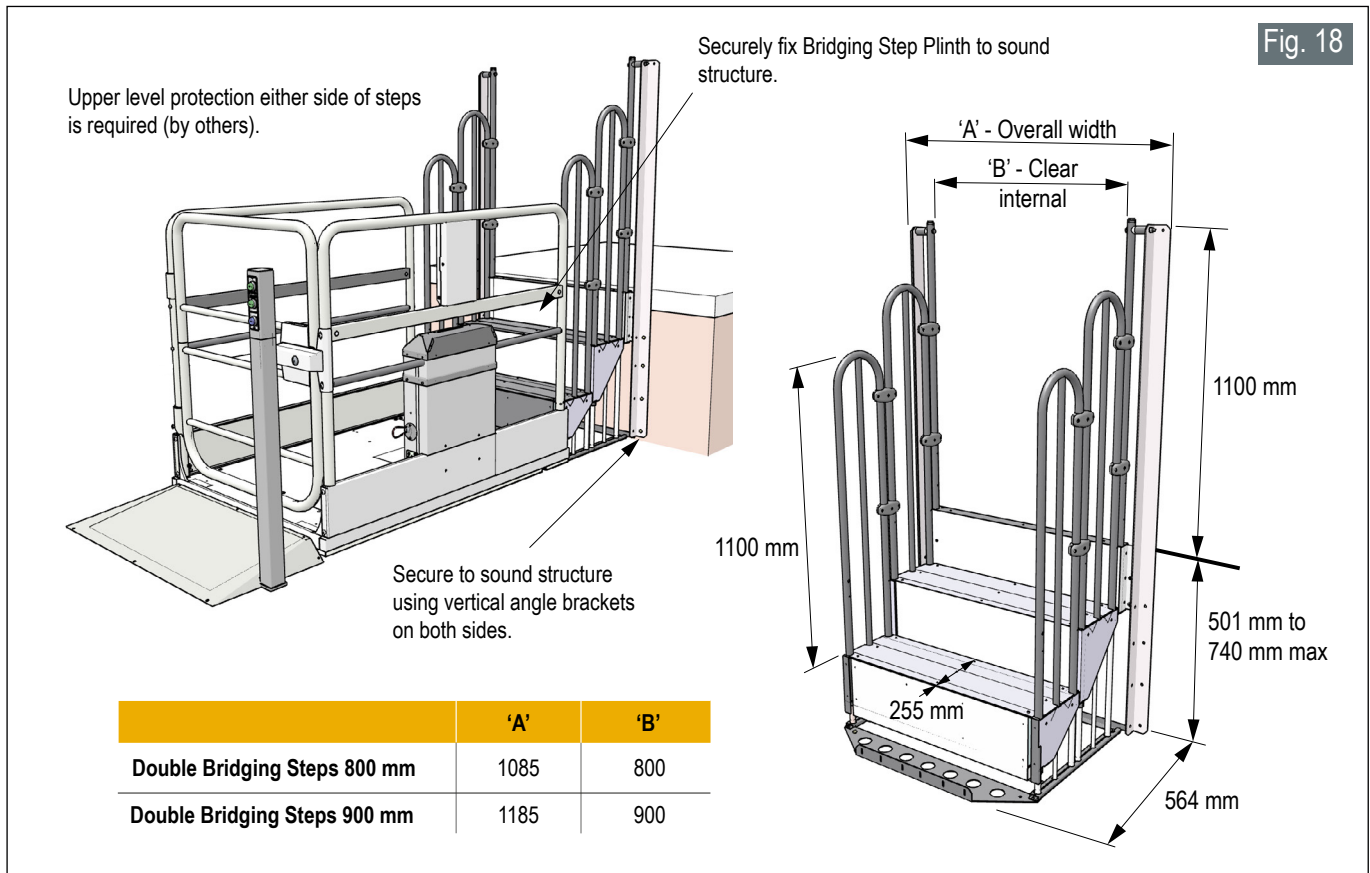


Build 2 175x50 mm SW joists (bolted together with 175 laid horizontally) into blockwork with at least 100 mm retained in wall each side.

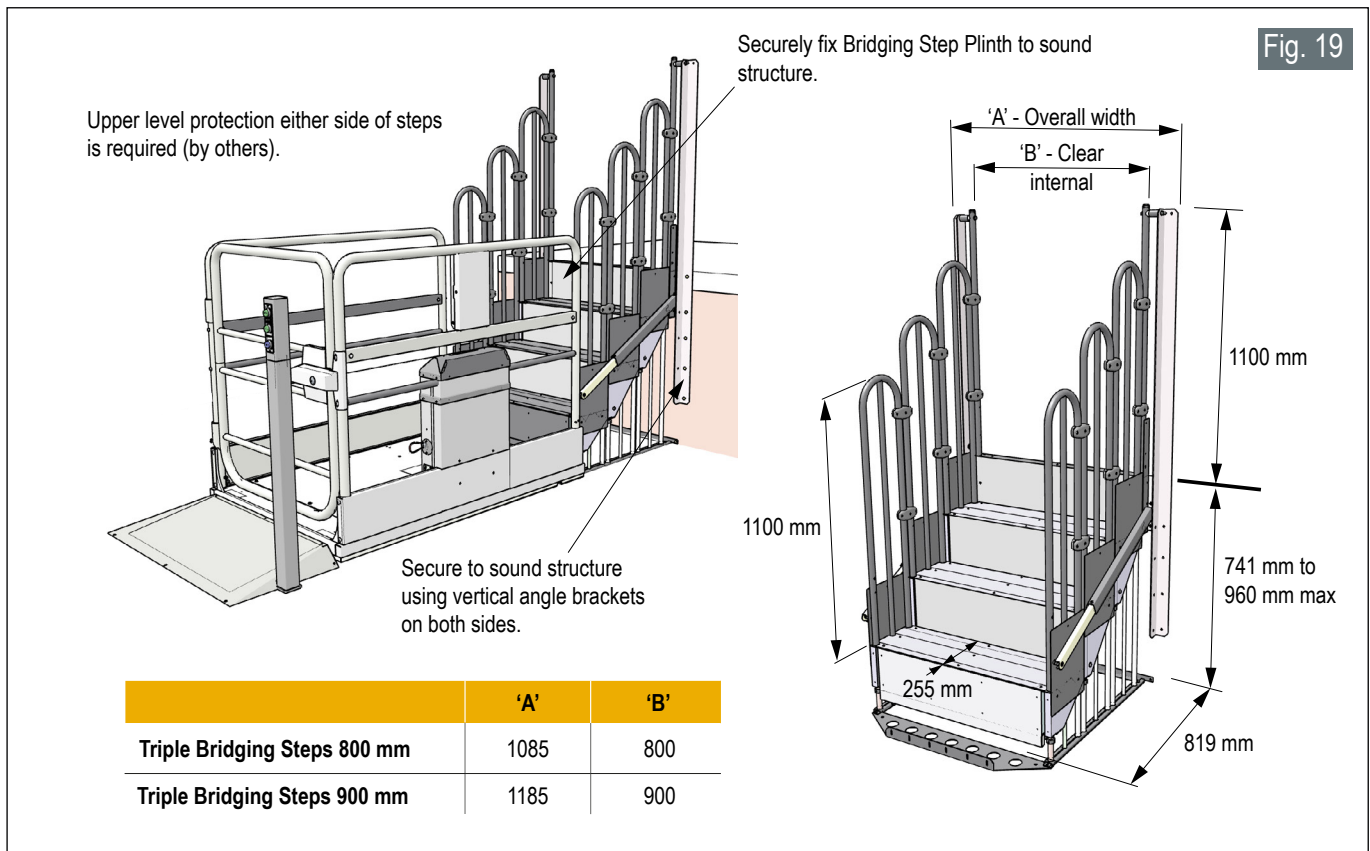


Note: If it is not possible to build joists into blockwork then other means must be found to prevent joists twisting. Please discuss with Terry Group Ltd.

Double Bridging Steps (Domestic only)



Triple Bridging Steps (Domestic only)



Control Details



Control post
Painted (standard shown) or stainless steel. Control station mounted in post attached to floor ramp.



Call Station (Surface mounted)
Control switch box for mounting on wall structure. Used at upper level when no upper level control post or gate is fitted. Used at lower level when there is no control post fitted.



Call Station (Flush mounted)
Control switch box for mounting in wall structure. Used at upper level when no upper level control post or gate is fitted. Used at lower level when there is no control post fitted.



Upper level control panel
Call station incorporated in to upper level gate.

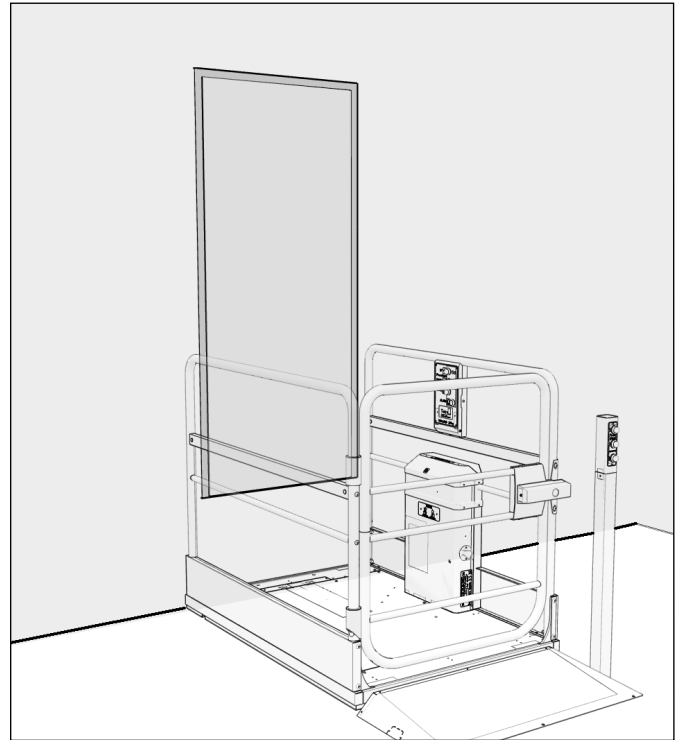
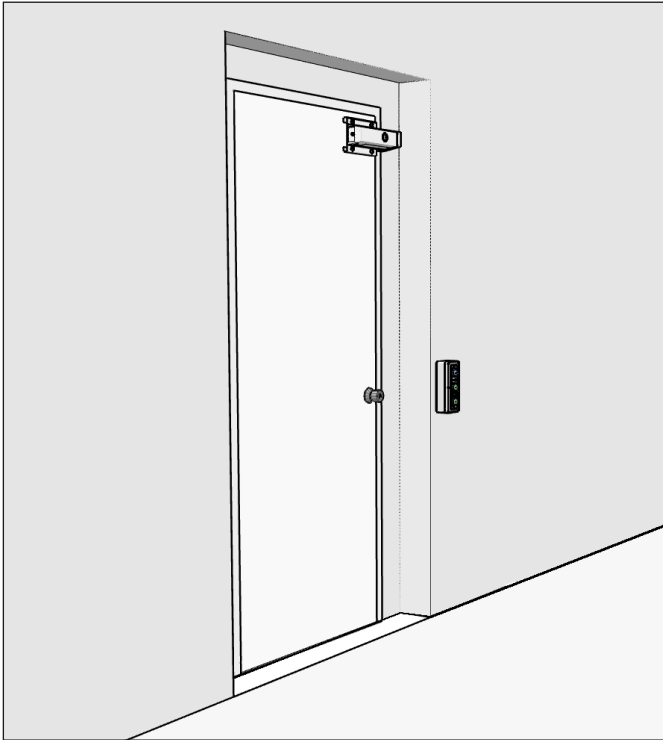


Platform control
Control panel mounted on control handrail.



Remote enable fob
The remote enable fob turns the lift on with a single press of the fob. The lift will stay on until a timer expires (default 6 min). Any subsequent presses of the fob with restart the timer. The remote mode and timer length can be set by an engineer on site to allow a user to get the functionality they require.

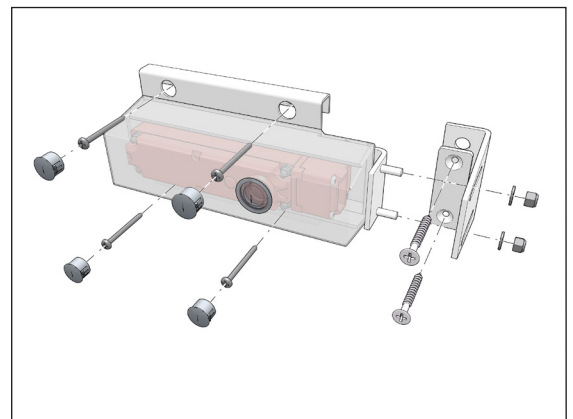
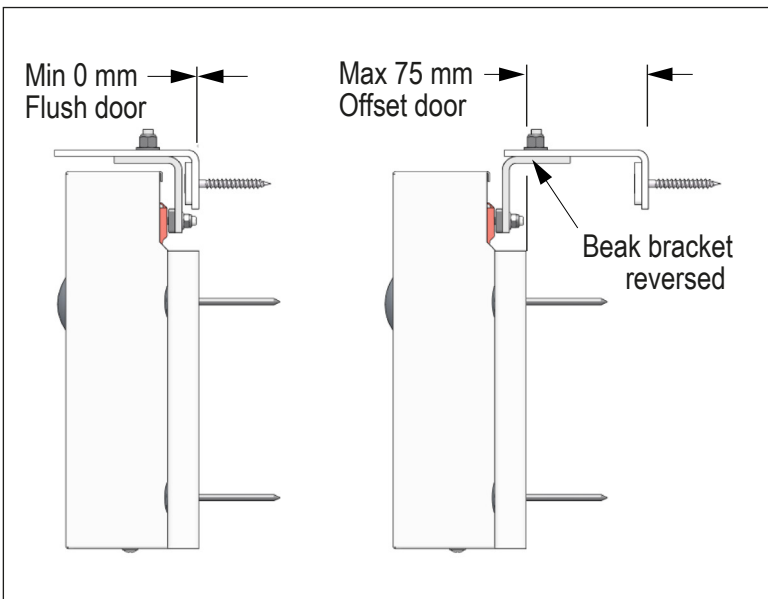
Interlock Fixing



Fit Interlock high up on the non-lift side of upper level door.

When closed, the upper level door and frame must be flush to the lifting face. Door must open away from the lift.

Fit Upper Level Call Station at 900 mm height adjacent to door. If surface conduit required fit gland to box.



Interlock assembly.

Options for flush or offset door to a maximum of 75 mm.

Spec Check List

Details specific to lift _____

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- Page 06 Loadings
- Page 07 Running Clearances
- Page 08 Greater than 100 mm and less than 300 mm
- Page 09 Schematic Cable Run
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- Page 14 Landing Area Preparation - Side Exit Upper Level Gate
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- Page 15 Side Exit Upper Level Gate
- Page 16 Gate Timber Support
- Page 17 Double Bridging Steps
- Page 17 Triple Bridging Steps
- Page 21 Site Check Form



Please ensure Site Check List XR00021 is completed and returned to Terry Group Ltd.
at installations@terrylifts.co.uk

Platform Lift Site Check Form

Platform Lift Site Check Form - Refer to the relevant specification guide for detail

TSL 500 TSL1000 Melody 1 Melody 3

Customer Information

Lift reference	<input type="text"/>		
Customer name	<input type="text"/>		
Location	Address	<input type="text"/>	
		Post Code	<input type="text"/>
Site contact number	<input type="text"/>		

Lift Area		Yes	No	N/A
Checks				
a	Lower base dimensions and construction as per specification guide?	<input type="checkbox"/>	<input type="checkbox"/>	
b	Upper level plinth dimensions and construction as per specifiers guide?	<input type="checkbox"/>	<input type="checkbox"/>	
c	Overall enclosure width (distance between side walls in lift area): <input type="text"/> mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Overall lifting height as per lift specification: <input type="text"/> mm			
e	Lifting face smooth and, where applicable, square to any side retaining walls?	<input type="checkbox"/>	<input type="checkbox"/>	
f	Level rest area in front of the lift at lower level: <input type="text"/> mm			
g	Level rest area in front of the lift at upper level: <input type="text"/> mm			
h	Turning circle at lower level: (min 1200 mm domestic/1500 mm public access) <input type="text"/> mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i	Turning circle at lower upper: (min 1200 mm domestic/1500 mm public access) <input type="text"/> mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j	Upper level balustrade in position: (min. height 1100 mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k	Lift base within +/- 5mm over the full length, fall away from lifting face?	<input type="checkbox"/>	<input type="checkbox"/>	
l	Any ramping to either landing must be no greater than 1:12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m	Is a free-standing post required to mount either side of the landing controls? (Is so, specify which landing in additional comments.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n	Any required ducting as per specifiers guide?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o	Any constructed step risers are equal where applicable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p	No flags or alternative finish on top of concrete pads when Melody 3 or when the lift has an upper level gate?	<input type="checkbox"/>	<input type="checkbox"/>	
q	Upper level plinth depth (only if upper level gate)? <input type="text"/> mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Electrical		Yes	No
Checks			
a	Power supply installed (dedicated for Melody 3) and live adjacent to power pack position?	<input type="checkbox"/>	<input type="checkbox"/>

Pre Install Criteria - Note: All lifts are delivered in an extra-long wheel base transit van		Yes	No
Checks			
a	Is there suitable offloading access adjacent to the building?	<input type="checkbox"/>	<input type="checkbox"/>
b	Is there suitable access for the transportation of the lift through the building to the lift area?	<input type="checkbox"/>	<input type="checkbox"/>
c	Is a trolley required?	<input type="checkbox"/>	<input type="checkbox"/>
d	Is there available parking for large transit vans close to the site? If not, what parking is available and where?	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the site area clean?	<input type="checkbox"/>	<input type="checkbox"/>
f	Is a site induction required?	<input type="checkbox"/>	<input type="checkbox"/>
g	Are there welfare facilities available on site?	<input type="checkbox"/>	<input type="checkbox"/>
h	Site working hours if applicable? (hh:mm) Start: <input type="text"/> Finish <input type="text"/>		

Additional comments

Required photographs		Yes	No
1	Power supply position.	<input type="checkbox"/>	<input type="checkbox"/>
2	Lift area from a distance at both landings.	<input type="checkbox"/>	<input type="checkbox"/>
3	Power pack / charger box position	<input type="checkbox"/>	<input type="checkbox"/>

Engineer	
Name: <input type="text"/>	Date: <input type="text"/>
Signature: <input type="text"/>	Company: <input type="text"/>

Please send this document and supporting photographs to installations@terrylifts.co.uk.
For any queries, please call 01565 650376 - Technical Support

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