

SPECIFYING GUIDE

Melody 3

ED23001E



Terry Lifts
◆ THE ONE TO TRUST ◆



CONTENTS

01 - Melody 3 Specification

- 01 Introduction
- 01 End-user/Client and Environmental Considerations
- 02 Standard Lift
- 02 Additional Product Options
- 03 Technical Details
- 04 Mel3 900 - Lift Dimensions
- 05 Mel3 1100 - Lift Dimensions
- 06 Gate Handing Options
- 06 Weights and Boxed Dimensions
- 06 Running Clearances
- 08 Duct Positions
- 09 Mel3 Power pack
- 09 Mel3 Wall Mounted Call Station Back Box

02 - Melody 3 Lower Level Site Preparation

- 10 Lower Level Circulation/Rest Area
- 10 Base Preparation - Standard
- 11 Base Preparation - Alternative
- 11 Pit Preparation (Internal only)

03 - Melody 3 Upper Level Site Preparation

- 12 Upper Level Circulation/Rest Area
- 12 Landing Area Preparation
- 13 Upper Level Structural Detail
- 14 Loadings

04 - Melody 3 Controls

- 15 Controls Details

05 - Melody 3 Check Lists

- 16 Spec Check List

06 - Site Check Form

- 17 Platform Lift Site Check Form

Introduction

The Melody 3 is a hydraulically operated platform lift capable of raising a maximum load of 500 kg up to 2000 mm, or 440 kg from 2001 mm to 3000 mm between fixed floors.

Design and manufacture of this product is in accordance with BS6440 and Building Regulations Part M. The Melody 3 is suitable for use by person(s) with impaired mobility in both public and domestic locations.

Special consideration has been given to the location and dimensions of controls allowing safe and unaided use by person(s) with impaired mobility whether ambulant or in a wheelchair. A control station is provided on the platform and at the upper and lower floor levels.

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 03 Technical Details).
- Check that the load capacity of 500 kg (<2m travel) or 440 kg (>2m travel) 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 power pack (see Page 09 Fig.6).
- 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 and 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

Standard 900 mm wide clear platform lift

Polycarbonate infill to both sides and gates

Auto release/unlock gates

Safe edges on underside of platform and inside of guides

Chequer Plate car floor and integrated ramp

Push and hold button platform control panel

Surface mounted lower call station and integral upper call station

Guides - metallic silver

Upper level gate - metallic black

Platform - metallic black

Handrails

Car side safe edges

Additional Product Options

1100 mm wide platform clear lift

Powered gate (Note: When the lift has a powered upper level gate, a surface mounted upper level call station must not be specified)

Free standing call post painted

Free standing call post stainless steel

Alternate RAL colour to gate, car and guides

Remote enable fob

Dual carriage control

Extended upper level plinth

Pit option (internal only)

Option for customer to provide own flooring

Platform lighting

Full battery backup

Technical Details

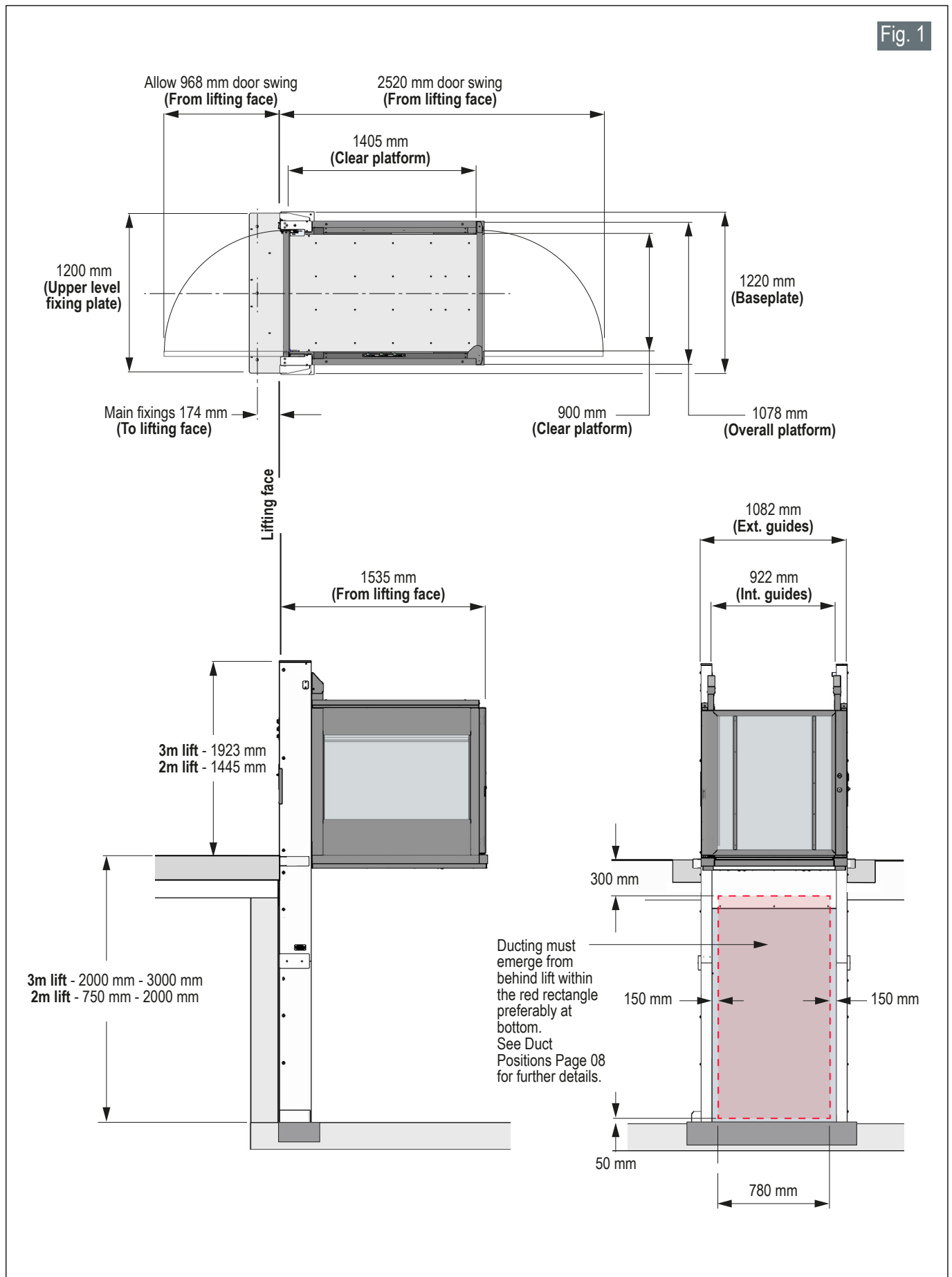
Application range	Ambulant and wheelchair users. Internal and External Locations.
Maximum safe working load	500 kg 750 mm to 2000 mm 440 kg 2001 mm to 3000 mm
Maximum travel	3000 mm
Minimum travel	750 mm
Rated speed	0.06 m/s
Power supply	Pump motor: 220-240V AC Control circuits: 12V and 24V DC
Electrical requirements	Dedicated 220-240V AC power supply, protected by a B16 MCB and RCD (or equivalent RCBO) terminated at a 13A fused switched spur all fitted in compliance with local electrical regulations / standards.
Duty Cycle	10 cycles per hour
Safety features	Safety surfaces protect against entrapment below the platform and inside the guides. Hose burst valve in base of ram. Interlocked gates.
Power pack IP rating	IP54X
Control stations IP rating	IP54X
Lifting mechanism	Direct acting hydraulic drive system.
Design and manufacturing standard	BS6440, UKCA & CE Mark, Part M Building Regulations
Noise level	65 dB



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

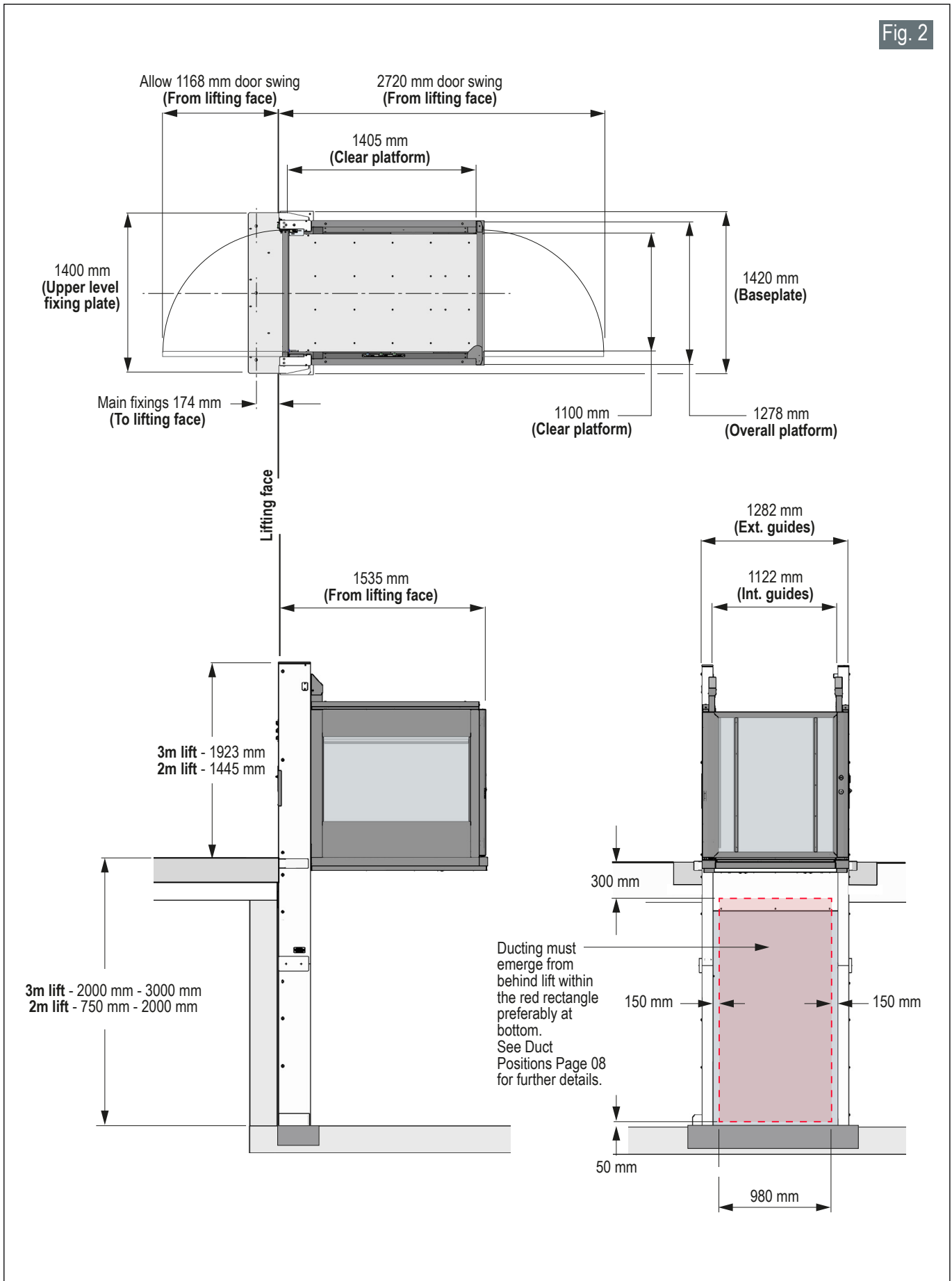
900W - Lift Dimensions

Fig. 1

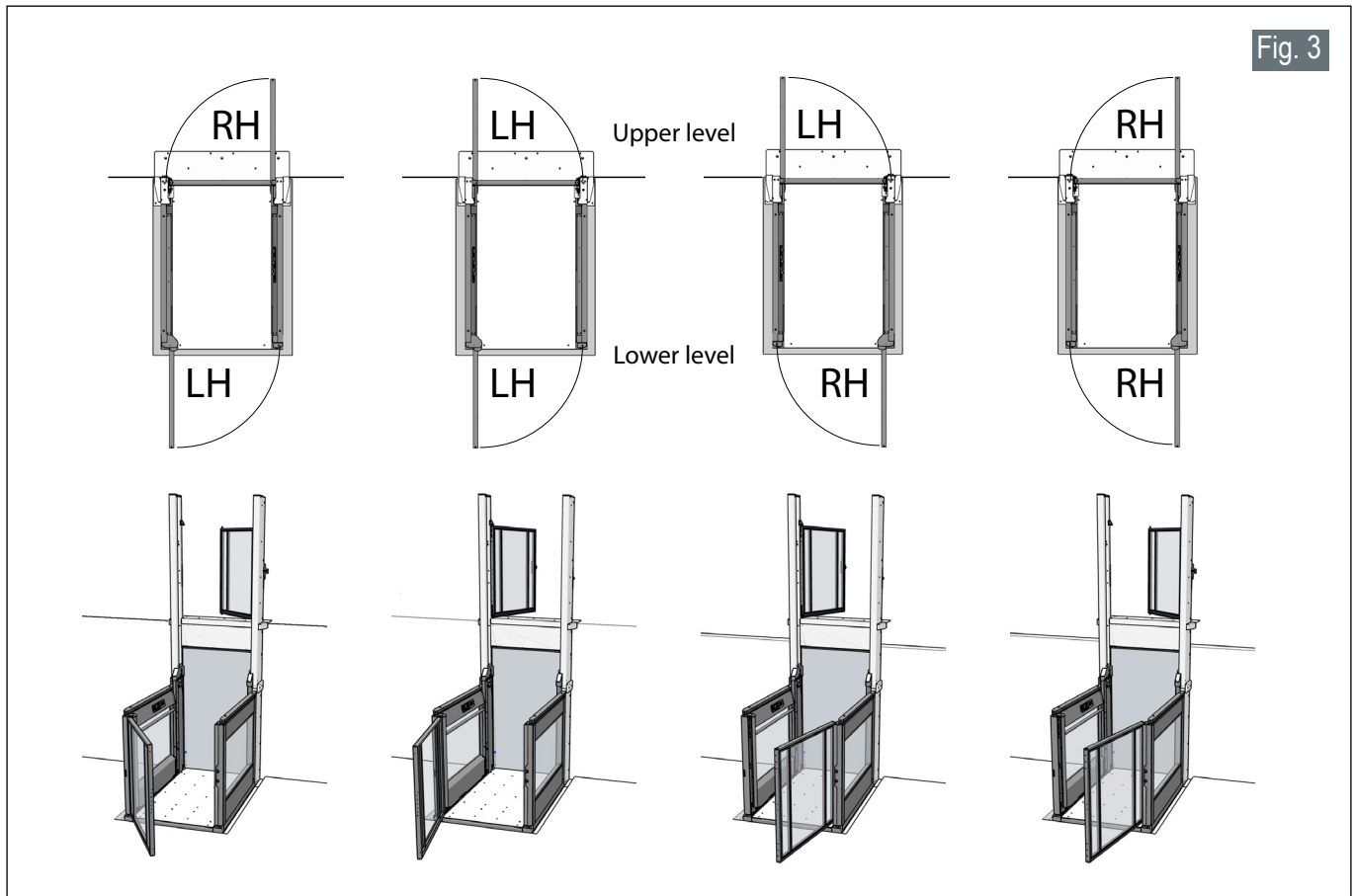


1100W - Lift Dimensions

Fig. 2



Gate Handing Options



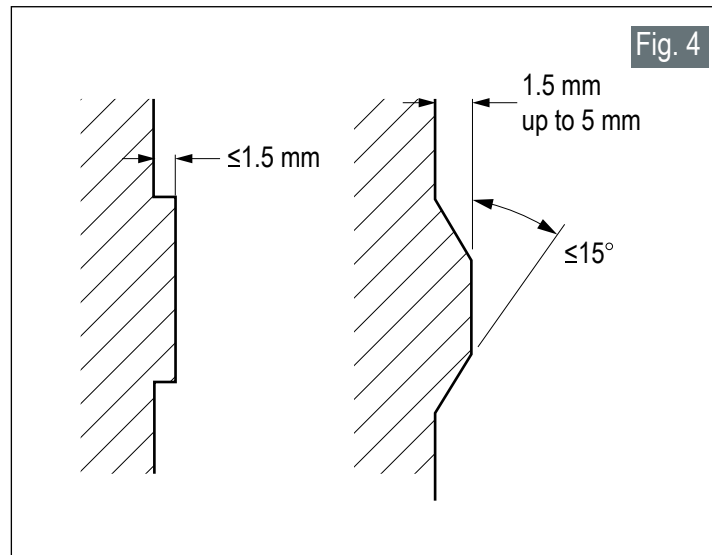
Weights and Boxed Dimensions

Configuration	Boxed size (mm)	Boxed weight on pallet (kg)
Melody 3 lift only	2440L x 1220W x 1800H	750
Guides and posts	3600L x 350W x 400H	150
Guides 3m only	2690L x 90W x 240H	150

Running Clearances

1. Adjacent surfaces

- a) For adjacent surfaces 10 mm or less from any part of the lift, any projections on the surfaces shall be as Page 07 Fig.4.
- b) If they include projections up to 1.5 mm, they may have square corners.
- c) If they include projections from 1.5 mm up to 5 mm, they shall have a minimum of 15° vertical chamfers on all edges.



2. Greater than 100 mm

The lift is supplied with side safe edges. These need to be fitted unless;

- The enclosure walls are continually smooth and flush and fulfil the requirements of point 1 b/c and the lift is positioned a minimum of 100 mm away from the walls.
- The lift is positioned a minimum of 300 mm from any obstruction.

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.

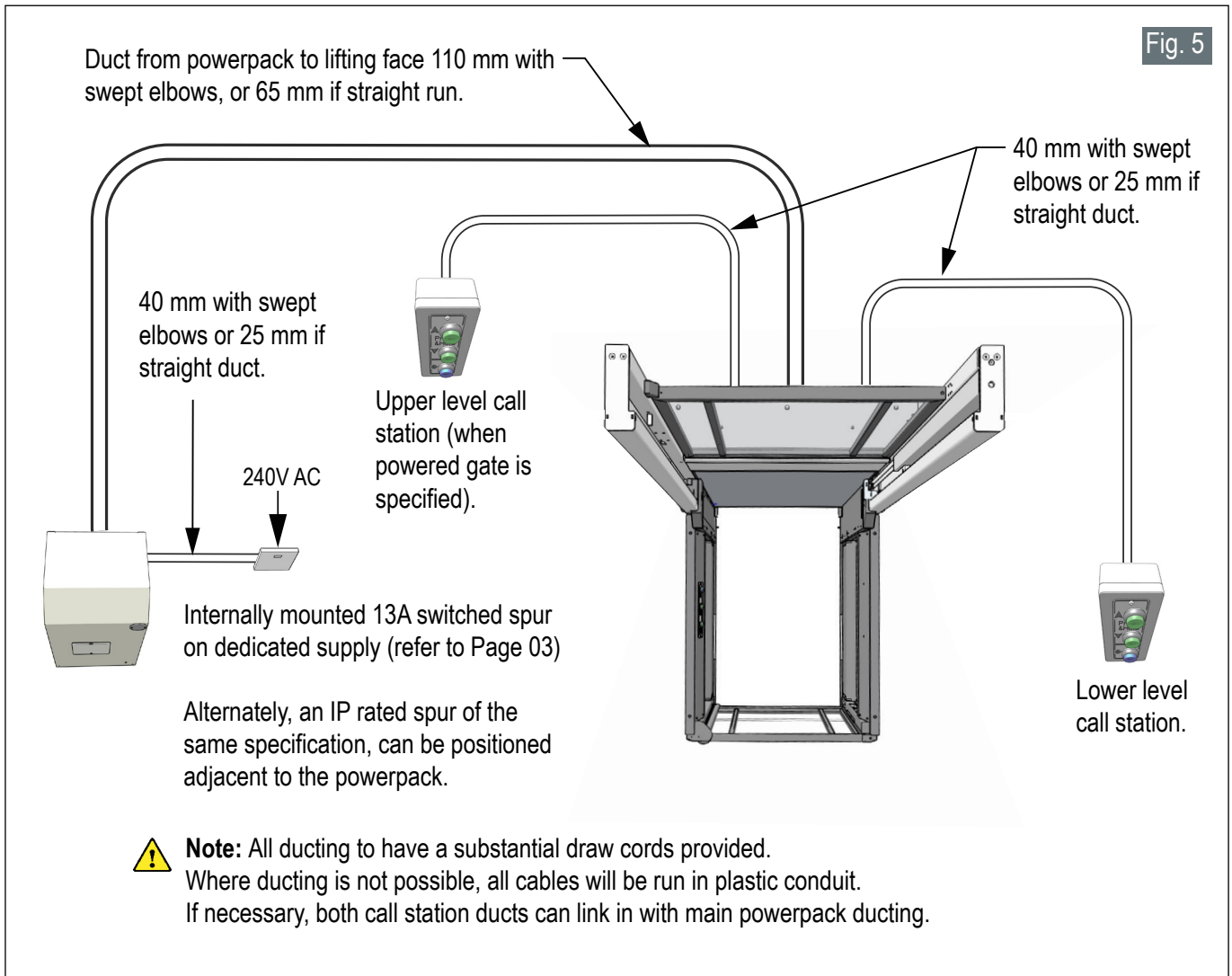
Examples of common projections:

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

Bulkheads

- When the lift is parked at the upper level, any bulkheads must be more than 300 mm away from the top of the handrails or carriage gate.
- There must be a minimum of 2000 mm from the platform floor to any ceiling or obstacle when the lift is parked at the upper level.

Duct Positions



Power pack

Location of power pack must be specified on survey drawing (within 5m of centreline of lift) as standard (see illustration above). Special hoses up to 12m can be supplied if required.

Duct from centre of lifting face must emerge within the marked red rectangle shown in Page 04 Fig.1.

Upper and lower level control station

Duct from call station positions can go back to the power pack or the lifting face. Electrical connection is made on the lifting face, so this is preferred.

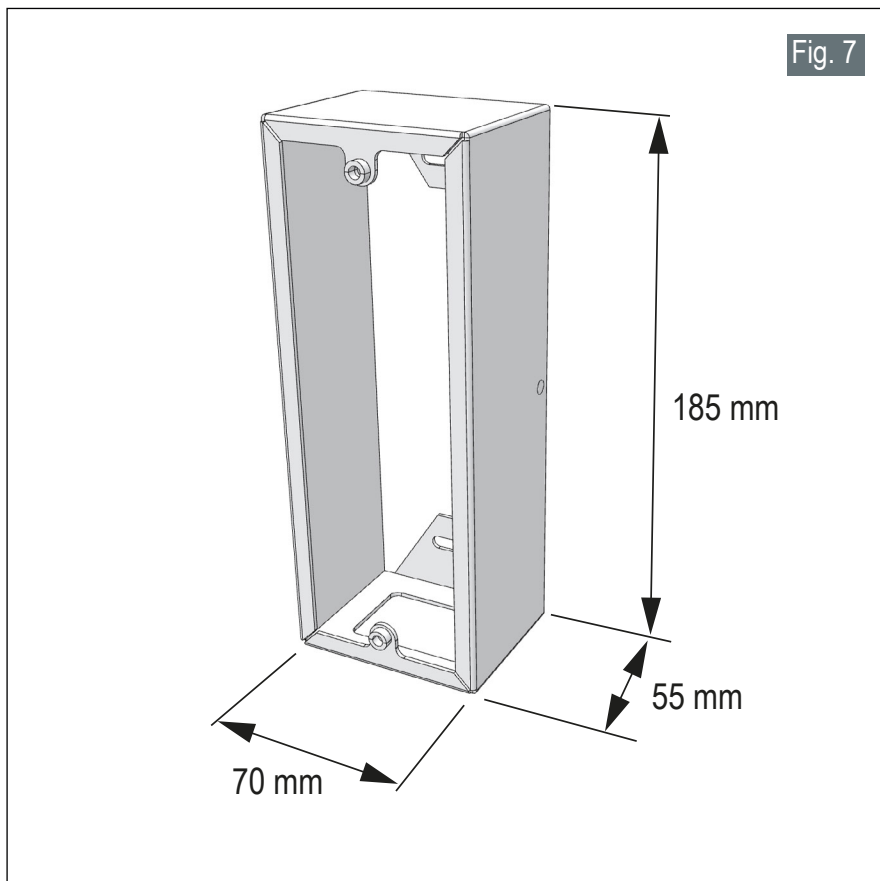
If flush mounted call station(s) then a back box requires sinking in the wall prior to installation.

Alternatively, cables may be in surface trunking.

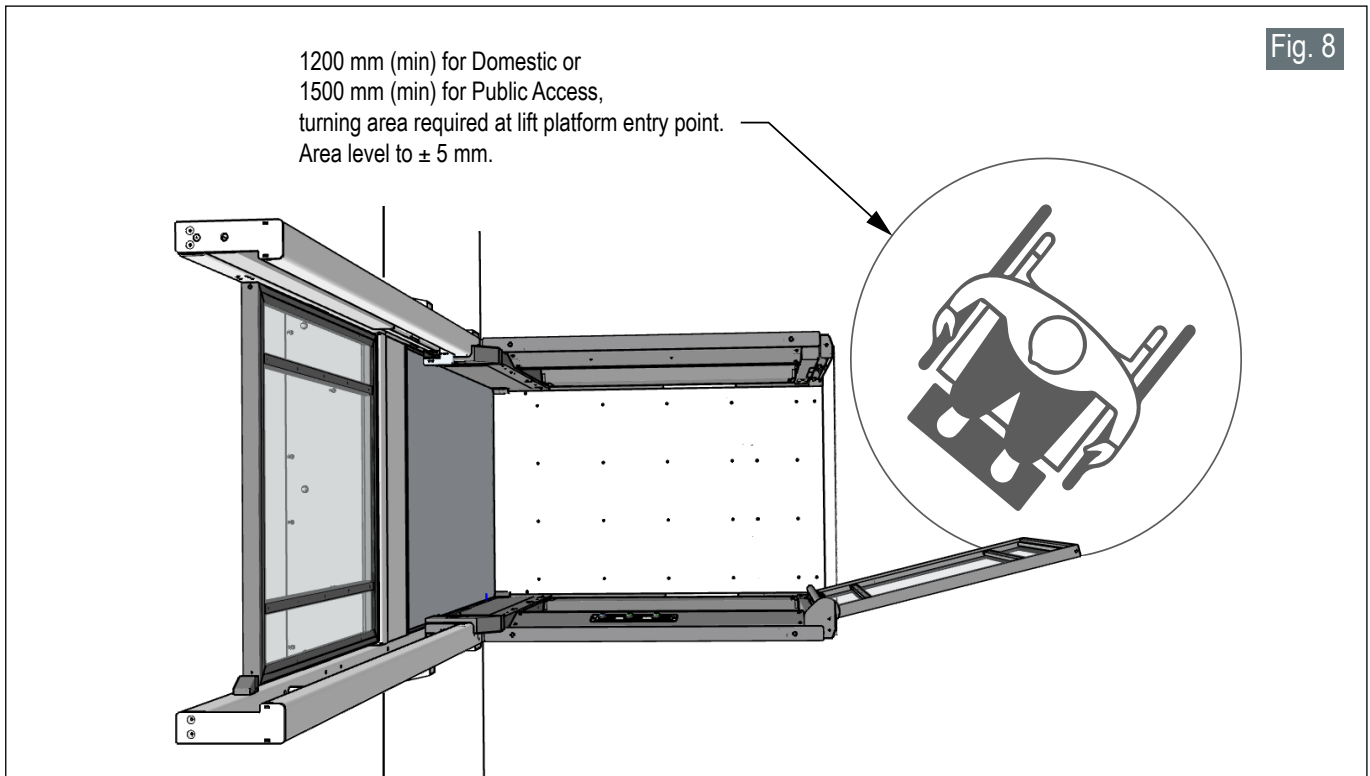
Mel3 Power Pack



Mel3 Flush Mounted Call Station Back Box

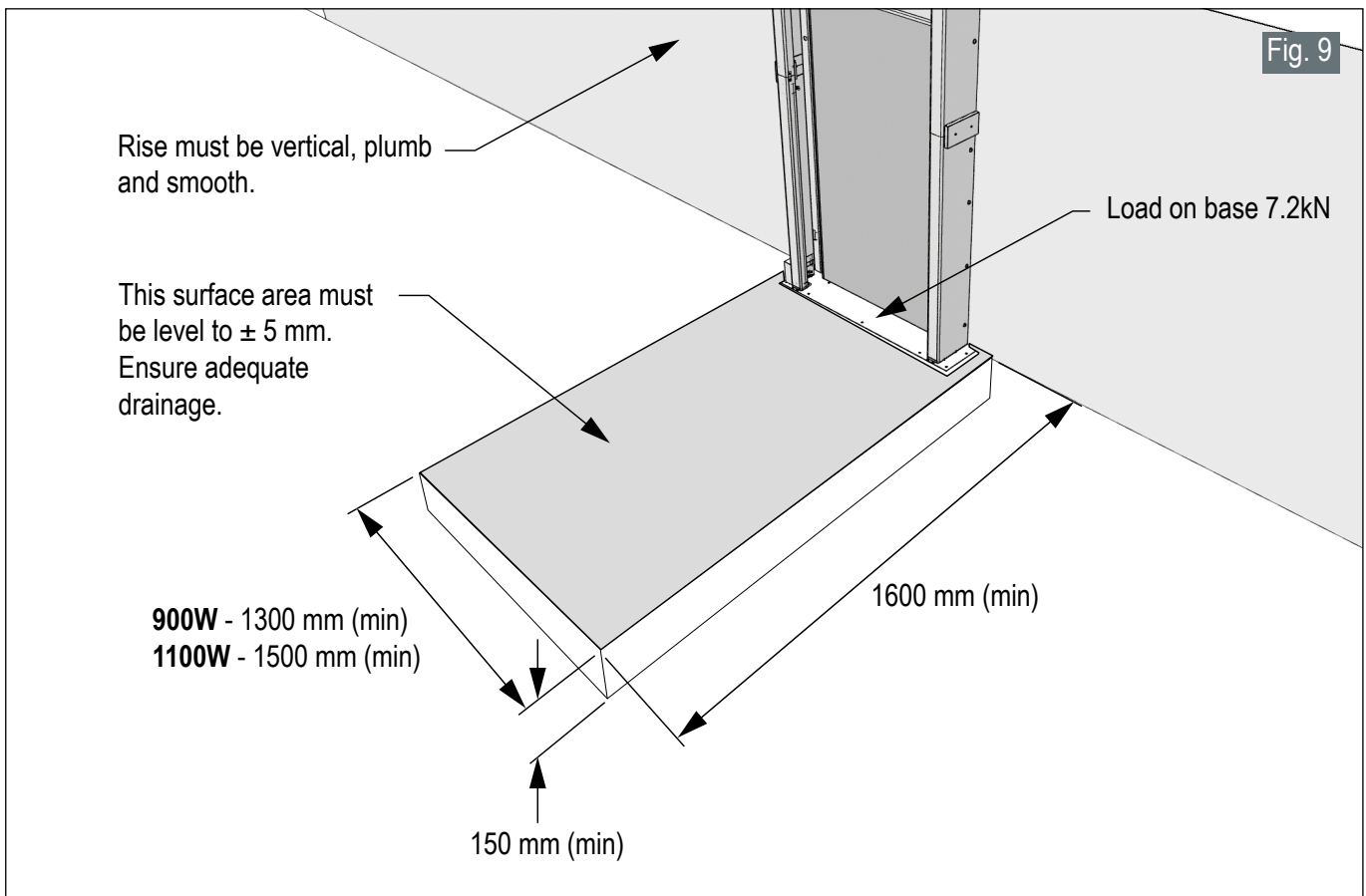


Lower Level Circulation/Rest Area



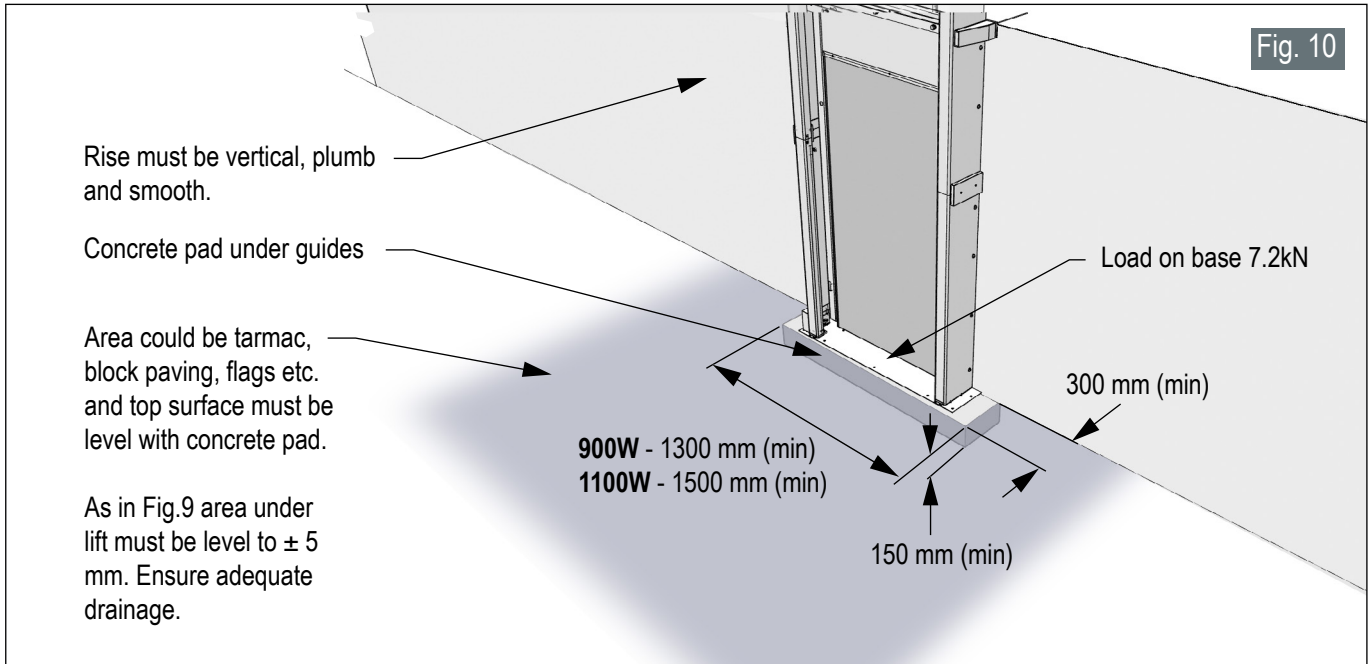
Base Preparation - Standard concrete base arrangement

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



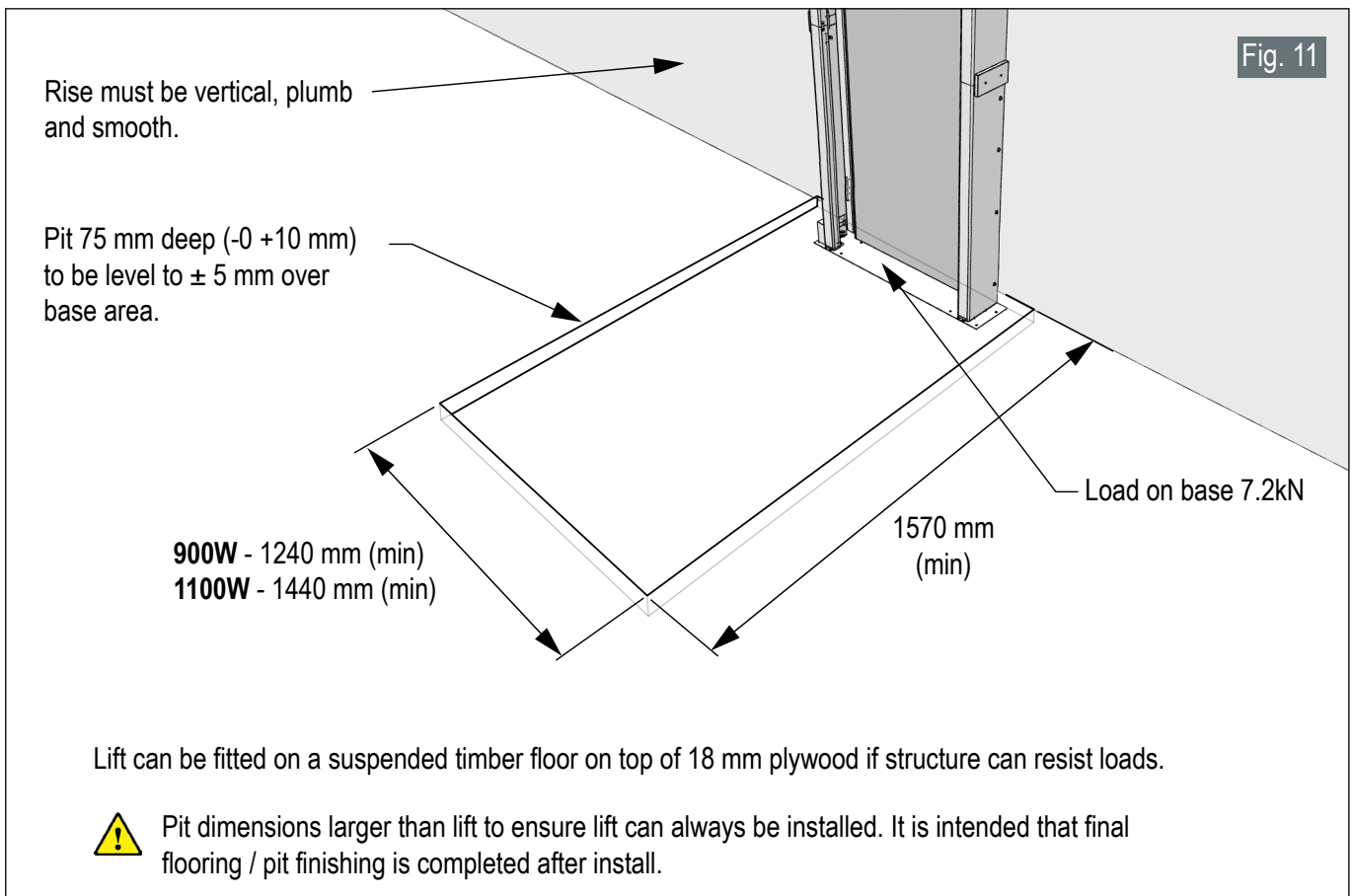
Base Preparation - Where an alternative material is to be provided around the baseplate

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

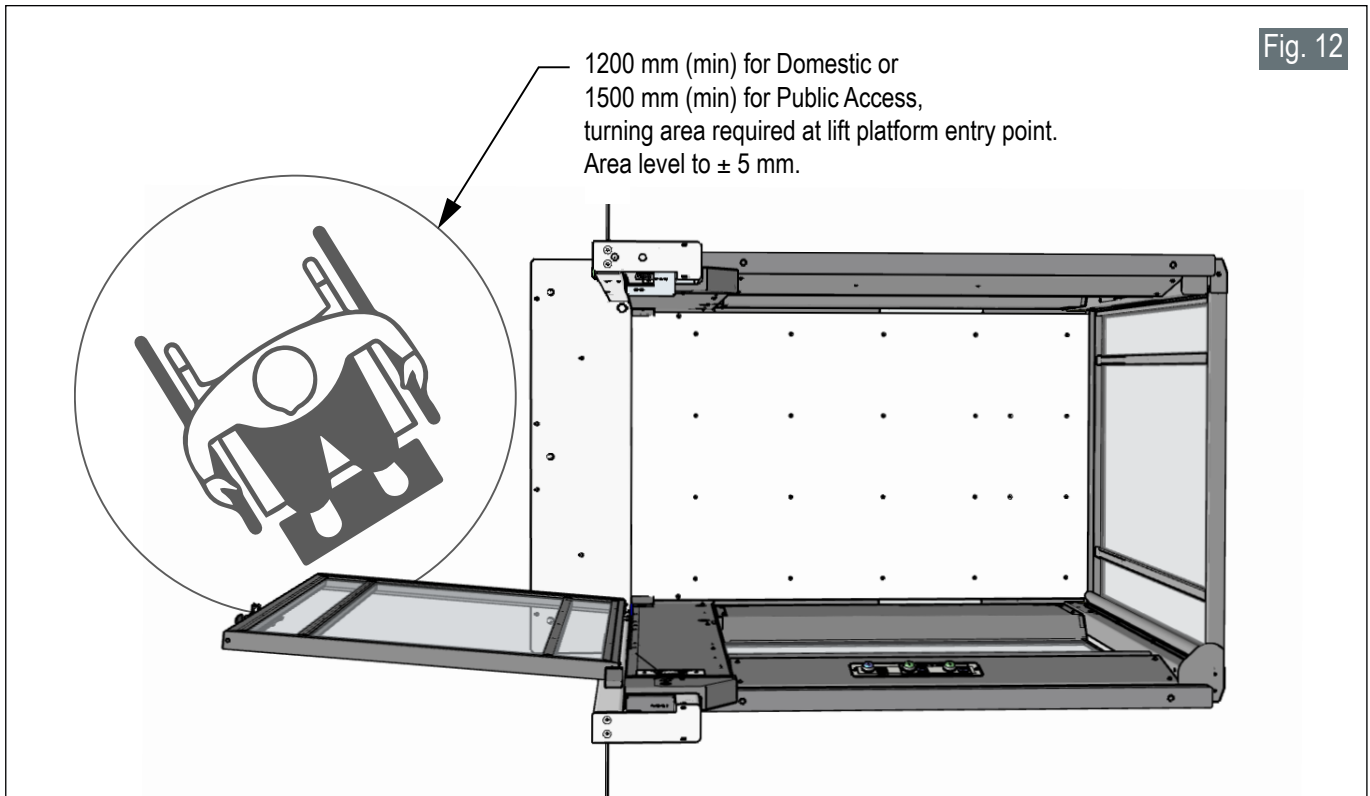


Pit Preparation (Internal only)

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

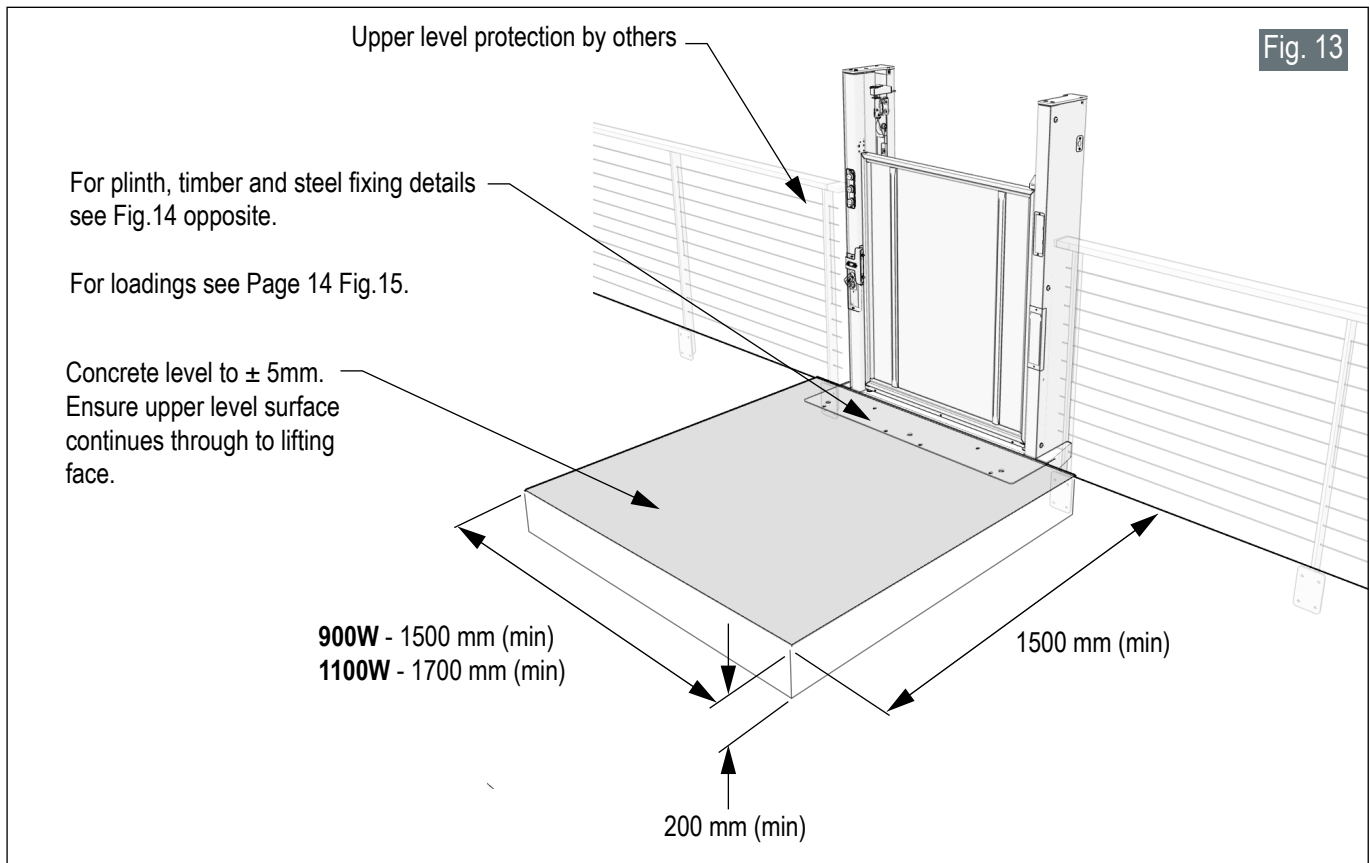


Upper Level Circulation/Rest Area



Landing Area Preparation

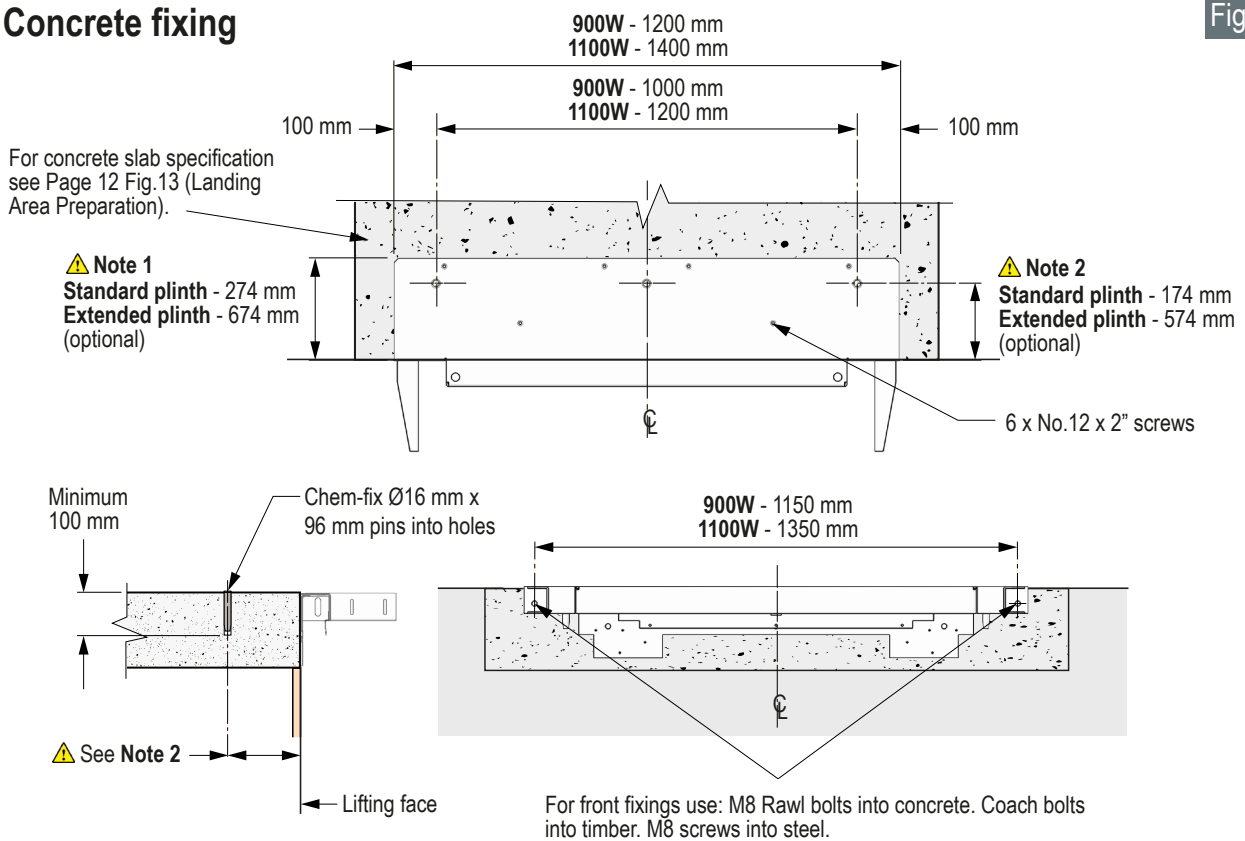
! Note: When there is a requirement to fit and alternative material around the plinth please seek advice from your surveyor.



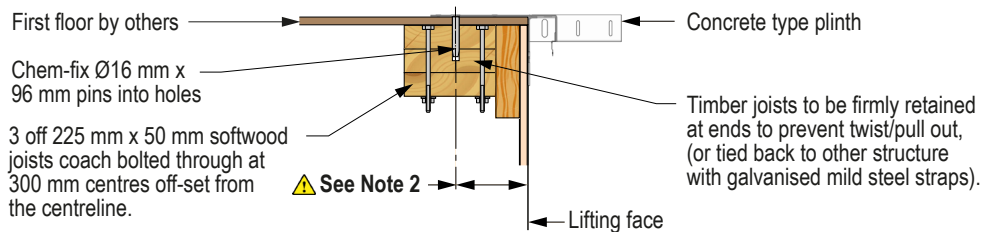
Upper Level Structural Detail

Fig.14

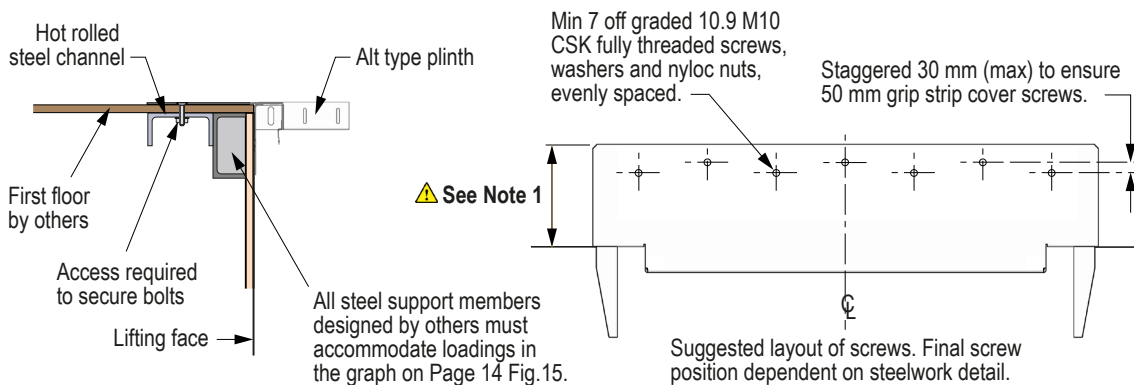
Concrete fixing



Timber fixing



Steel fixing



A steel structure which can support the loads indicated in the graph on Page 14 Fig.15 could provide an alternative to a concrete slab. An alternate upper level plinth must be specified to be fixed to a steel structure using a minimum of 7 graded 10.9 M10 CSK fully threaded screws, washers and nyloc nuts. The structure must allow for through fixing with nuts and bolts. Details of any structure must be approved by Terry Group Ltd.

Loadings

The lift is supported by the upper level. It is required that the upper level structure can resist the horizontal pull out load imposed through the lift in the upper level plinth. The shorter the lifting height, the greater the load on the upper level structure. This graph shows the load that the upper level is required to resist, based on the lifting height.

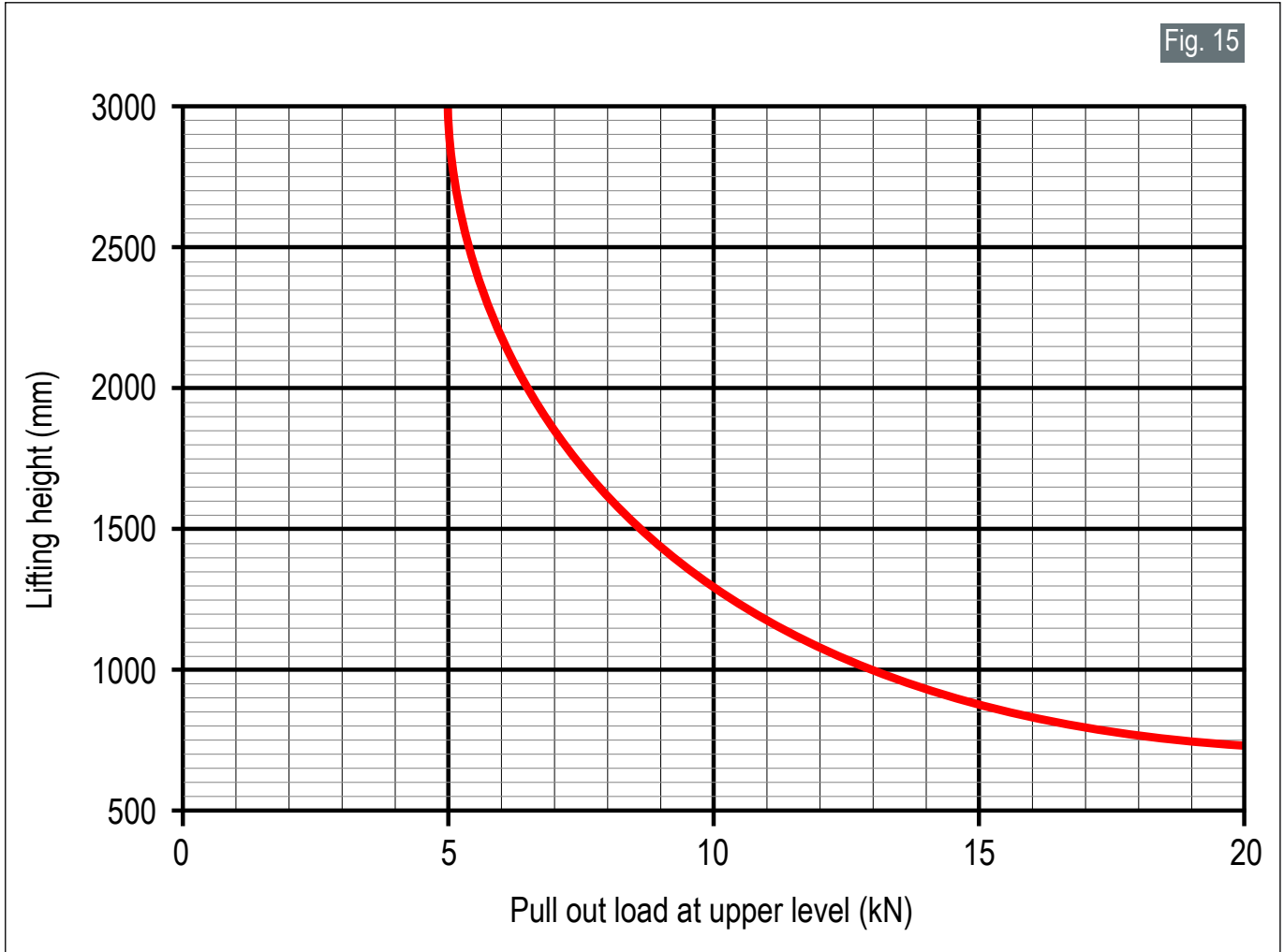


Fig. 15

Control Details



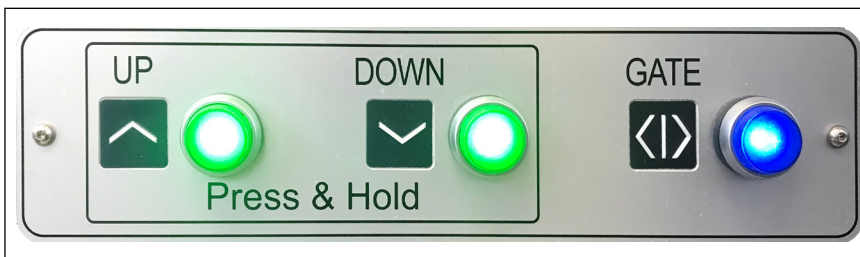
Upper level control panel
Call station incorporated in to upper level gate post.



Call Station (Surface mounted)
Upper or lower level control switch box for mounting on wall structure.



Call Station (Flush mounted)
Upper or lower level control switch box for mounting in wall structure. See Page 09 Fig.7 for back box details.



Platform control
Control station incorporated in to upper panel cover.



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 mins). 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.



Control post
Upper or lower level control post. Painted (standard shown) or stainless steel.

Spec Check List

Details specific to lift _____

- Page 04 900W - Lift Dimensions
- Page 05 1100W - Lift Dimensions
- Page 06 Gate Handling Options
- Page 06 Running Clearances
- Page 08 Duct Positions
- Page 09 Power pack
- Page 10 Lower Level Circulation/Rest Area
- Page 10 Base Preparation - Standard
- Page 11 Base Preparation - Alternative
- Page 11 Pit Preparation
- Page 12 Upper Level Circulation/Rest Area
- Page 12 Landing Area Preparation
- Page 13 Upper Level Structural Detail
- Page 17 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 style="width:40px;" type="text"/> Finish <input style="width:40px;" 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 style="width:250px;" type="text"/>	Date: <input style="width:100px;" type="text"/>
---	---

Signature: <input style="width:250px; height: 50px;" type="text"/>	Company: <input style="width:250px;" type="text"/>
--	--

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

Terry Lifts

Terry Group Ltd.

1 Longridge Trading Estate
Knutsford, Cheshire, WA16 8PR

01565 752 800

sales@terrylifts.co.uk

www.terrylifts.co.uk



Proudly Designed and Manufactured in Britain

ED23001E