



Project: Abbey Gardens North Block Entrance & Platform Lift.

Resonate Interior Architecture

3103 – Abbey Gardens North Block – accessible entrance.

Reading Planning reference: 230211 Abbey Gardens, 4-6 Abbey Street

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1.0 Introduction

Our proposal replaces an existing non accessible entrance door and screen with a new glazed entrance that will include an exterior platform lift and glass balustrading to allow disabled workers and visitors to the building access - rising up two steps to the existing raised platform area. Please refer to detailed design drawings supplied with the planning submission (REF:230211 Abbey gardens, 4-6 Abbey Street)

2.0 Scope & Methodology

We intend to use the platform lift product (details included see 4.0) which requires no ground works to secure and uses a fold out ramp for access to the lift itself. The proposed lift sits on the current pavement tucked into the side of the existing stepped platform entrance. The existing raised platform entrance requires widening by approximately 300mm and will require minimal ground works to create a firm footing for paving and to support a glass balustrade. The existing pavement level is approximately 130mm above the road level.

Note: estimate of ground works from appointed contractor

As a brief summary, we will be carrying out our works to the existing steps to slightly increase this footprint over a tarmac path area. So this would indicate that this is a fairly new pathway.

We would need to carry out groundwork's and investigations to dig further down and to provide a firm footing for the platform lift and increased footprint for the steps.

I would estimate the need to excavate circa 300mm below the existing tarmac to provide a firm base slightly larger than the proposed step footprint.

We are hopeful that the current steps do have a firm substructure which will mean minimal works to the existing substrate, apart from providing a slightly firmer base for the platform lift. - A firm and flat ground level base.

During design development we have explored ramps and platform lift solutions in different positions and have chosen the exterior platform lift as the least impactful method of making this wing of the building accessible for all. The building entrance is approximately 48 metres from the Reading Abbey building itself. There is open park ground between the building and Reading Abbey itself including mature trees, grass and pathways. There is approximately 15m of existing gated private tarmacked / cul-de-sac and tarmacked pavement between the entrance and this open park land. (See images)

3.0 Location and Setting

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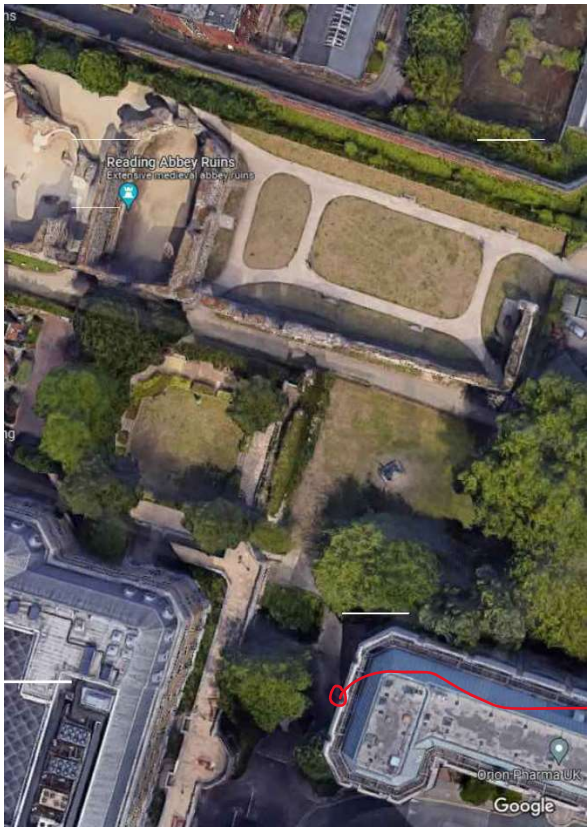


IMAGE 1- Google Maps
Location of existing stepped entrance & new platform lift



10: Abbey Quarter map based on Ordnance Survey 2011
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IMAGE 2 –Source: Reading Abbey Revealed - Conservation Plan stage D - Aug 2015

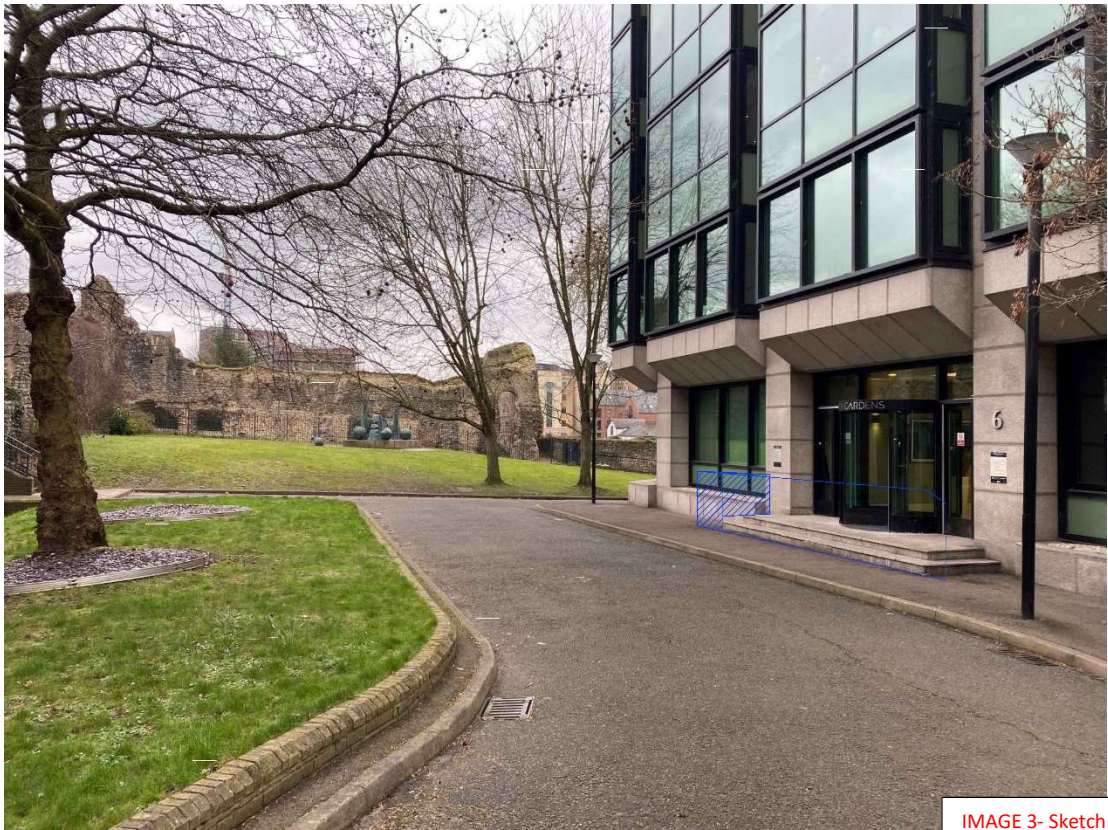


IMAGE 3- Sketch of proposed access lift position over existing entrance photo 14/03/23

4.0 Lift product data sheet

PROPOSED PLATFORM LIFT AND EXTERNAL BALUSTRADE

Our offer is based on the installation of a platform lift from The Platform Lift Company, with specification details as opposite.

This is of a similar specification and cost to the Stannah unit suggested in the tender documents, but which is not available for delivery within the programme timescales, with Stannah currently advising a lead time of around 30 weeks.

Our cost for the new external balustrade to the revised step and raised paving is based on the supply and installation of 6 metres of 21.5mm toughened and laminated structural glass in a fabricated mild steel galvanised base channel, over clad in polished stainless steel with matching steel top capping channel at 1100mm above floor level.



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Specification

Lift	
Product:	PLC EasyLift
Drive system:	Actuator system with brushless motor
Power supply:	Single phase 5 amp fused spur
Location:	External
Capacity:	400kg
Speed:	0.10 m/s
Travel:	400mm
No of stops:	2
Configuration:	Through entry
RAL colour:	Grey AKZO NOBEL 900 SABLE (Std)
Space requirement / Floor aperture	
Width:	1160mm
Depth:	1135mm
Pit depth:	No pit, ramp included (315mm long)
Headroom:	2000 mm minimum from the platform floor
Lifting platform	
Width:	900mm
Depth:	1400mm
Flooring:	Checker plate Aluminum 5/7mm (Outdoor)
Alarm:	No alarm
Doors and call stations	
Top door:	Automatic door (pushing right)
Bottom door:	Automatic door (pushing left)
Side door panel:	Polycarbonate panel, smoke
Call stations top:	Push buttons wireless
Call stations bottom:	Push buttons wireless
Operating panel side:	Left hand side
Optional extras	
Locking of Doors (1100mm Model Only):	£302
Optional RAL Colour:	£POA
Warranty	
12 months comprehensive maintenance and breakdown cover including 2 service visits	
Standard	
The unit is type tested and CE marked or equivalent in accordance with the Revised European Machinery Directive (2006/42/EC)	

IMAGE 4- platform lift product

Fold out ramp variant - No ground works required for securing- minimal envisaged for levelling existing tarmac pavement path just under the lift base.