



# Stannah

## **Schedule of Builders' Work and Electrical Requirements for Midilift SL & GL**

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The following must be completed before the lift installation may commence.

Section A	Builders Work Requirements
Section B	Electrical Work Requirements
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The following items are to be carried out by others, prior to the installation of our lift. Some requirements have been taken from BSEN81-41:2010. Please refer to our Schedule of Builders work and Electrical requirements for further works required by others.

## Section A - Builders' Work Requirements - Before Installation

### Lift Pit: (if required)

- 1 Form and finish pit to depth and size shown on site specific builders work drawing. Pit base to be flat and level and capable of supporting the loads indicated in the datasheet enclosed. If a pit is not required the installation area shall be clear of debris, smooth & level. As we will be fixing down into the pit it should not contain any other services.

### Lift Shaft: (optional)

- 2 Lift shaft Construction to be built to National Building and Fire Regulations and capable of supporting the loads imposed by the lift's operation. It is critical that the minimum plumb shaft size, travel, pit depth and headroom dimensions are accurate and within the tolerances given. These measurements must be checked for accuracy as construction proceeds and any discrepancies reported. Materials used for lift shaft construction should achieve any necessary fire rating.  
**Please note that a full width opening is required at each landing entrance for minimum shaft opening sizes shown.**
- 3 The lift shaft shall not be used for purposes other than lifts. It shall not contain ducts, cables or devices other than for the lift.
- 4 **If a lift shaft is not required there must be 'support' for the lift on the guide side as detailed in the datasheet enclosed.**  
Push-in/pull-out load shall be imposed on the 'support' at guide fixing points to accommodate the lift operation (applies per fixing point)  
Please note that Stannah are unable to accept responsibility for the integrity of material into which fixings are made. If any doubts exist it is suggested a structural engineer is consulted.
- 5 There shall be no less than 500mm horizontal distance from the landing call station to any return wall and an unobstructed space of at least 300mm on the pull side of the door between the leading edge of the door and any return wall, unless the door has power-controlled opening. (Part M section 3 para 3.43f & para 3.10c.)
- 6 All finished floor levels at all landing thresholds must be in place prior to installation and commissioning.
- 7 If building is occupied by anyone other than construction trades personnel, fixed hoardings must be provided around all exposed edges. The hoarding must be constructed as follows: 1000 deep, full height, full width and fully enclosed, access door to open outward and fitted with a SNIB type lock. The hoarding must remain in position until the lift is commissioned.  
Otherwise provide suitable toe boards & guard rails to all exposed edges with a working space of 1000mm minimum full width.

## Hydraulic Pump Unit:

- 8 The pump unit is to be wall mounted. Wall must be able to support 75kg load imposed by the pump unit. To be located no more than 4 metres from the base of lift guides in a weatherproof, damp free & adequately ventilated space. Additionally there shall be 2m headroom and 700mm clear space in front of the open cabinet. Temperature to be maintained between 10° and 30°
- 9 Provide adequate, well lit and safe permanent access to pump location for lift installation and maintenance personnel. Access to the location shall have min. 2m headroom and to be easily accessible without the need to use ladders or to pass through other persons property.
- 10 If pump is to be installed in a separate room/cupboard, the door is to open outwards & be fitted with a lock which can be opened from the inside without the use of a key e.g. Yale lock.
- 11 If pump is remote from the lift, it will be necessary to provide trunking (50mm sq. or round) for routing of electrical cables and hydraulic hose between pump and base of guides. If pump is positioned in room adjacent to lift well, all that will be required is an aperture through the wall.
- 12 Where Stannah attends site prior to installation to take dimensions and/or to determine if the site is sufficiently ready for installation, it remains the absolute responsibility of the Purchaser to ensure that the lift shaft and all other aspects of Builders Work comply with the dimensions and other criteria set out on the Builders Work drawings notwithstanding that Stannah may not have detected and/or reported any breach of any of the Purchaser's obligations

Please remember, the lift(s) being provided are model lift(s), and therefore not bespoke, and the lift well(s) must be constructed and/or altered to meet the requirements set out in this drawing. We reserve the right to inform you of any additional requirements to facilitate the installation of the lift(s).

The risk and liability in the lift well remains the absolute responsibility of the Purchaser and not the lift contractor. For the avoidance of doubt, the Purchaser fully indemnifies Stannah for all and any losses, costs or damages that may arise as a result of failure by the Purchaser to comply in all aspects with the Stannah Builders Work drawings and/or schedules.

## Scaffolding

All necessary scaffolding is to be provided by the customer.  
Scaffolding of the lift area may be required in the following instance:

- Fitting of Bracing Hoops or other external support brackets

Exact details of scaffold requirements will be provided on the site specific builders work drawing for the site.

## Section B - Electrical Requirements - Before Installation

- 1 Provide a dedicated single phase supply protected by a 10 Amp type D MCB.  
The supply is to terminate in a lockable isolator at the position shown on the site specific builders work drawing  
Where a permanent supply is not ready a temporary supply will be acceptable.  
**NOTE: A PERMANENT SUPPLY MUST BE AVAILABLE FOR FINAL TESTING AND HANDOVER OF THE LIFT.**
- 2 A 230V 13Amp twin socket outlet in the vicinity of the lift is required for maintenance purposes - will be used for lead light and power tools during maintenance & installation operations.
- 3 Ensure that the lighting within the lift and at each landing level is not less than 50lux when measured at floor level.

## Section C General /Safety Requirements for SL & GL Products

Note: All items to be read in conjunction with Stannah Builders' Work Drawing General Requirements

### Client to ensure

- 1 Provide assistance with the offloading, storage and hoisting of lift equipment as necessary and make provision for transferring lifts equipment to a location adjacent to the lift.
- 2 Provide safe level and unobstructed access in order to manoeuvre 4m lengths of lift equipment to the appropriate location
- 3 It is the responsibility of the builder to prevent the ingress of moisture, dust and other substances from contaminating the lift equipment during and on completion of the installation.
- 4 Provide adequate weatherproof, dry lockable storage area for all lift equipment, tools and plant on the day of delivery and for the duration of the installation.
- 5 Provide adequate protection to all finished surfaces during and on completion of the lift installation.
- 6 Safe, clear, uninterrupted and well lit access to the whole of the lift installers' work area must be maintained at all times. Access between floors must be provided via a fixed staircase.
- 7 Provide suitable facilities for the disposal of debris and environmental waste. Lift supplier will work in accordance with the site waste plan / procedure.
- 8 Provide mess room and welfare facilities for our engineers for the duration of the lift installation.
- 9 Ensure adequate first aid facilities are in place and a trained first aider is available.
- 10 All finished floor surfaces to be protected against accidental damage.
- 11 Stannah Lifts Ltd has a legal obligation to ensure that it provides all it's employees or it's representatives with a safe working environment. Under current Health & Safety legislation, we need to be satisfied that our customers are providing the same level for our on-site operatives, before any representative of Stannah attends site.

In order to comply with current asbestos requirements (Control of Asbestos Regulations 2012), for all buildings constructed before the end of 1999 we require a detailed Asbestos Register. This must include all the areas of the building to which we will be required to access i.e. redundant lift shafts/motor rooms, including access routes to and from the work area. We will review the register and advise accordingly should remedial action be required before our attendance.



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If Asbestos has been removed from any area we will be required to access we will need documentary evidence of its removal and evidence that the area is Asbestos free.

This does not preclude you from your obligations under Construction Design and Management Regulations 2015 (CDM:2015).

## Section D Communication Options

### Telephone Option

This option requires the use of a telephone exchange line terminated at pump location.

### Intercom Option

Intercom master unit (warden unit) is wall mounted in a location no greater than 50 metres (cable run) from the lower landing of the lift.

Client to supply cable runs complete with pull wires prior to lift installation.

**Note 50m run of cable can be supplied prior to lift installation on request for laying of wire by client.**

### Autodialler Option

This option requires a dedicated, 2-wire analogue telephone exchange line. This line should terminate within a telephone socket (BT431A or similar) within 3 metres of the lift at the lower level or pump location.

IMPORTANT NOTE: Telephone line to be active prior to test and commissioning of lift.

### Emergency Autodial Communication System

The Stannah Autodialler is an emergency telephone system capable of connecting lift passengers with nominated external persons. The system requires a dedicated hard wired PSTN connection which, in the case of emergency, is used to achieve two-way communication.

For installations where the customer is unable to achieve the preferred hard-wired connection, Stannah can provide a GSM gateway device. When paired with a compatible mobile SIM card, the GSM gateway configures the Autodialler as an emergency wireless communication device.

### Mobile network and customers responsibility

When choosing the GSM gateway, the customer is responsible for the following actions which must be completed in full prior to commencement of the lift installation.

1. A monthly mobile contract must be acquired, activated and supplied with a 'standard' 2G/3G 15mm x 25mm SIM card.  
'Pay As You Go' or 4G SIM cards are not to be used.
2. A suitable network provider must be selected such that:
  - i. A strong mobile signal is available at the location of the GSM Gateway installation (detailed on the contract specific builders work drawing).
  - ii. GSM gateway compatibility must be confirmed with the chosen network provider.

Note: some providers do not permit connection via a GSM gateway.

Alternatively, if you do not wish to source your own network provider, a compatible 'non-steered roaming' SIM card can be obtained direct from our GSM gateway manufacturer, Avire.

Further details can be found here: [www.avire-global.com/en-gb/?s=sim+cards](http://www.avire-global.com/en-gb/?s=sim+cards).

### **Additional GSM Gateway / builders requirements**

1. Depending on the lift model in question, the GSM gateway is to be installed:
  - a. Adjacent to the pump unit on hydraulic drive lifts (i.e. Midi SL, GL, SL+ and Piccolo).
  - b. Adjacent to the upper landing control panel on traction drive lifts (i.e. Midi XL+).

Note: on external lift models the GSM gateway must be installed either in an internal location or housed within an IP65 rated enclosure. This enclosure is to be provided by the builder.

Location of the GSM gateway will be detailed on the contract specific builders work drawing.

2. Dimensions of the GSM gateway are **L 205mm x H 110mm x D 65mm**. Further product details can be found here: [www.avire-global.com/en-gb/products/emergency-elevator-phone/digital-communications-platform/](http://www.avire-global.com/en-gb/products/emergency-elevator-phone/digital-communications-platform/)
3. The GSM gateway requires a 230VAC supply which is to be protected by a 3AMP spur installed adjacent to the location of the GSM. This supply must not be derived from the dedicated lift supply.