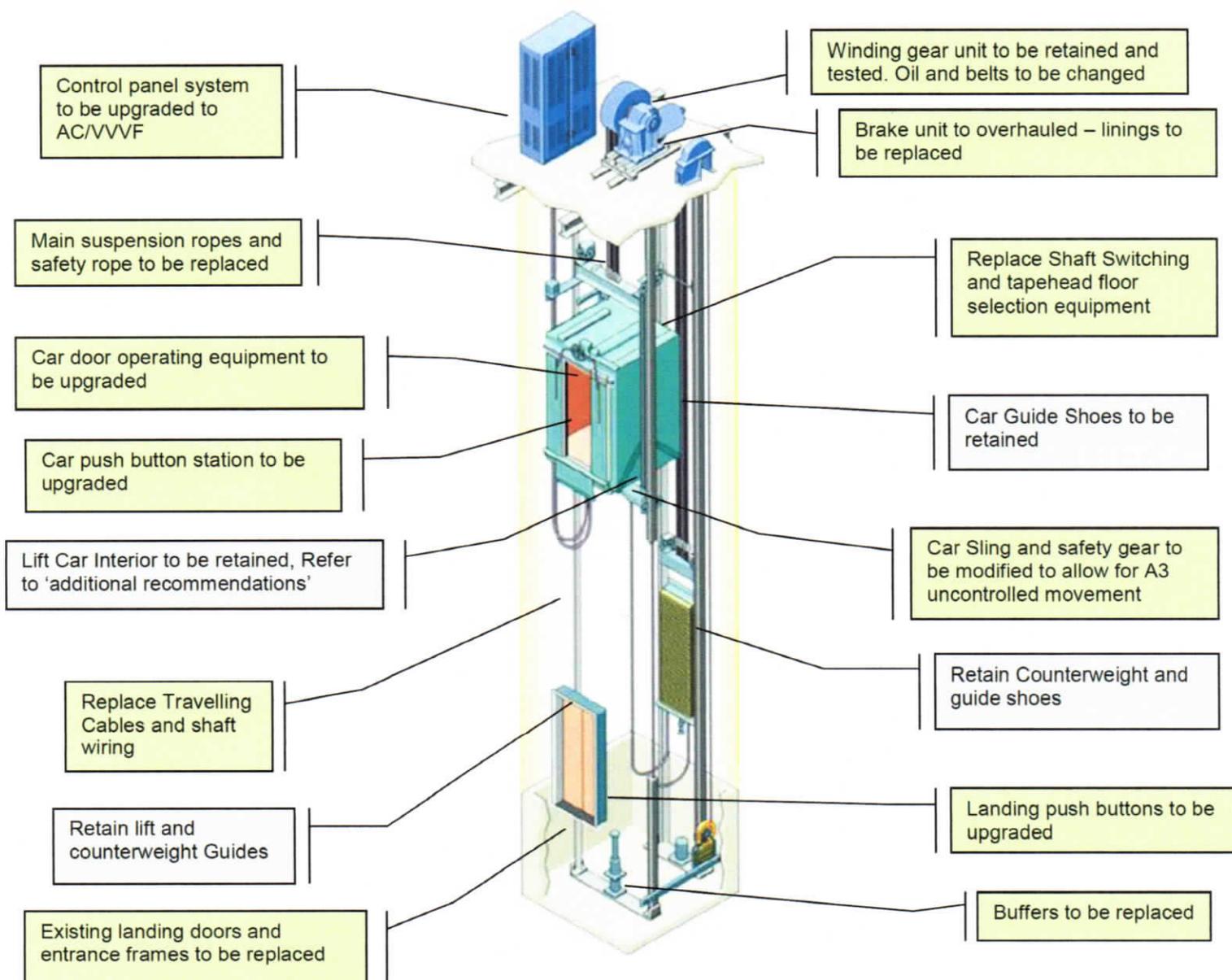


Lift Works Overview

The illustration below indicates the **main** areas of equipment being replaced or modified or otherwise retained. Please note that this is for guidance purposes only, from a generic set of drawings and may not fully represent the actual layout of the equipment





EXPRESS

Lifts Alliance Group

123 Abbey Lane
Leicester LE4 5QX
www.elagroup.co.uk

Main Scheme:

To attend on site and dismantle and disconnect the existing control panel equipment and replace with a new AC/VVVF (Variable Voltage variable frequency) fully enclosed mains control panel system, of our latest design, to provide 'push button control' control over the three floors served and all arranged to operate in conjunction with the existing lift drive motor.

The new controller will incorporate a VF (variable frequency) inverter which will manage the acceleration and deceleration and ensure that the lift offers maximum levelling accuracy at each floor level coupled with being more energy efficient than the existing system.

The new control system will be equipped for monitoring 'Uncontrolled Movement' of the lift (A3) and also feature a new Bi-directional safety gear to accommodate this latest lift directive

Supply and fit all new electronic tapehead equipment and switchgear, within the shaft, for floor selection purposes

Supply and fit a new emergency stop switches in the lift pit and adjacent to the main gear unit

Supply and install a new car top control station

Rewire the lift installation in new PVC cable, where necessary, together with new trailing flexes. (Existing trunking and conduits will be retained where possible.)

Supply rubber safety mat

Supply and RCD socket in the lift motor room

Supply and fit lockable isolator

Overhaul the main gear and brake unit -

Dismantle the brake assembly and remove the brake arms.

Drain the old oil from the gearbox.

Remove all the old drive "V" Belts.

Carry out a SAFed Type B Comprehensive Test and issue certification.

Transport the brake shoes to engineering specialist for relining.

Return to site to re-assemble the brake and set up.

Replenish the gearbox with new oil.

Supply and fit new drive belts.

Supply and fit a new set of main steel wire suspension ropes

Set all ropes to their correct lengths and tensions.

Remove the propping and suspension.

Supply and fit a replacement Overspeed governor assembly

Replace pit buffers

Upgrade the car door gear operating mechanism with a VVVF operator which will provide a smoother, quieter opening and closing cycle, incorporating new tracks, hanger plates, suspension rollers, actuating skate and locks

To interface with the new car door equipment, we include for new landing locks, top tracks and hanger assemblies

New car and landing door panels included



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Express Lifts Alliance Group, A division of Otis Ltd Registered No 147366

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Upgrade the car and landing push button stations to work in conjunction with the new control panel system. The new controls will be from our standard range of buttons and include both audible and visual call registration with halo illumination.

The new operating panel will include a digital position and direction, as standard and at each landing served

For the safety and comfort of passengers, we include a set of infra-red safety edges to the car doors, which will offer full height protection over the entire entrance comprising of a series of invisible light rays spanning the opening which when interrupted, will trigger immediate door reversal

Clean down, test and commission upon completion

Health & Safety Items (included with Main Scheme)

Supply and fit a lockable isolator within the lift motor room and a twin RCD socket outlet
Upgrade the lighting within the shaft enclosure incorporating fluorescent units with associated wiring and fixings – the lighting will also incorporate emergency backup facility
Provide a set of statutory notices and signage throughout the installation

Additional Health & Safety Items

Supply and fit a new car sill apron (existing is rusting)
Replace timber trap door with steel plating
Supply and fit emergency autodialler – BT line by others

Additional Recommendations

Reskin the landing architraves in brushed stainless steel, to match as near possible the new landing entrances
(3 entrances only – actual floors served)



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Additional Recommendations (continued)

Carry out a refurbishment of the lift car interior, to an agreed design, including new ceiling and LED lighting arrangement.

New non slip safety vinyl to the lift floor

Laminates to both side walls and lower section of rear wall – colour to be agreed

Safety mirror to upper half of rear wall

Handrail to side wall

New skirtings, dados and stainless steel trims

Car entrance to be reskinned – header section and front return, where old car push station is sited

New wiring and fixings included as required



Library picture of recently refurbished interior
Car panel to be situated on the side wall to comply
With DDA regs



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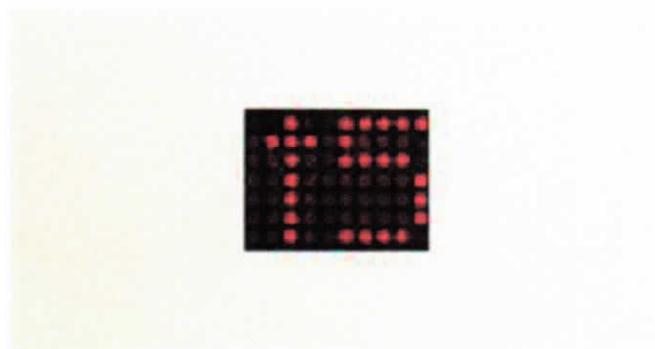
Technical notes:

The new push button controls are available in either square or circular (as shown below), and will be black in order to contrast from the stainless steel faceplate and include red LED illumination. (no cost differential between styles)

The main exit floor, G/0, will be green and have raised collar to distinguish it from the other buttons and the Alarm push will be yellow



The indicator, below, is included within the car operating panel and each landing entrance



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