

National Association of Lift Makers

33/34 Devonshire Street London W1N 1RF

Director D M Fazakerley

NALM

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To: All Members
cc: The Quality and Technical Committee (2030)

5 August 1996


Dear Sir,

Stannah Lifts Ltd

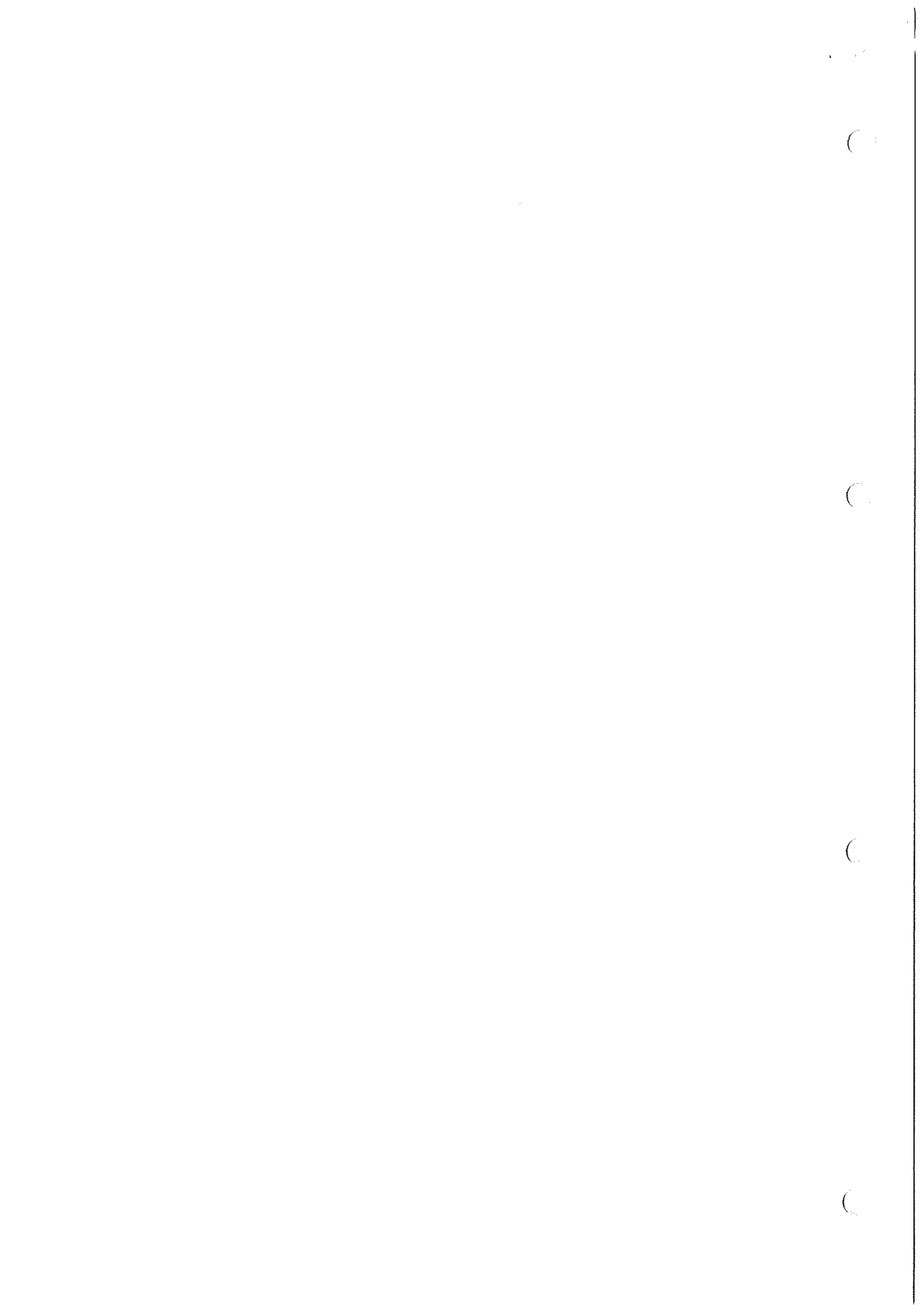
I enclose a Safety Advice Notice which the above company has asked be circulated for members information.

Please be guided accordingly.

Yours faithfully,



D M Fazakerley
Director





Anton Mill Andover
Hampshire SP10 2NX England
Tel: 01264 339090

IMPORTANT SAFETY ADVICE

1. Introduction

It has been found that on one lift fitted with a vertical racked microprocessor controller a potential hazard existed whereby the lock and car gate circuit was bypassed whilst the lift was moving.

Note that the lock and car gate circuit still prevented the lift starting whilst the lock or car gate contact remained broken.

2. Description of Potential Hazard

The fault can only occur on a 1st generation I/O board in which the RP7 resistor short circuits internally, in conjunction with the limit box assembly being connected with the up stopping limit and slowing limit common linked to UP terminal and the down stopping limit and slowing limit common linked to DN terminal.

If the two circumstances arise together the lift will start normally (subject to the locks and car gate contact being closed). However, the locks and the car gate contact will be bypassed by the RP7 short circuit putting a positive feed onto the end of the lock circuit safety chain via the slowing limit contacts on UR/DR and UC/DC thus holding GR and its contacts.

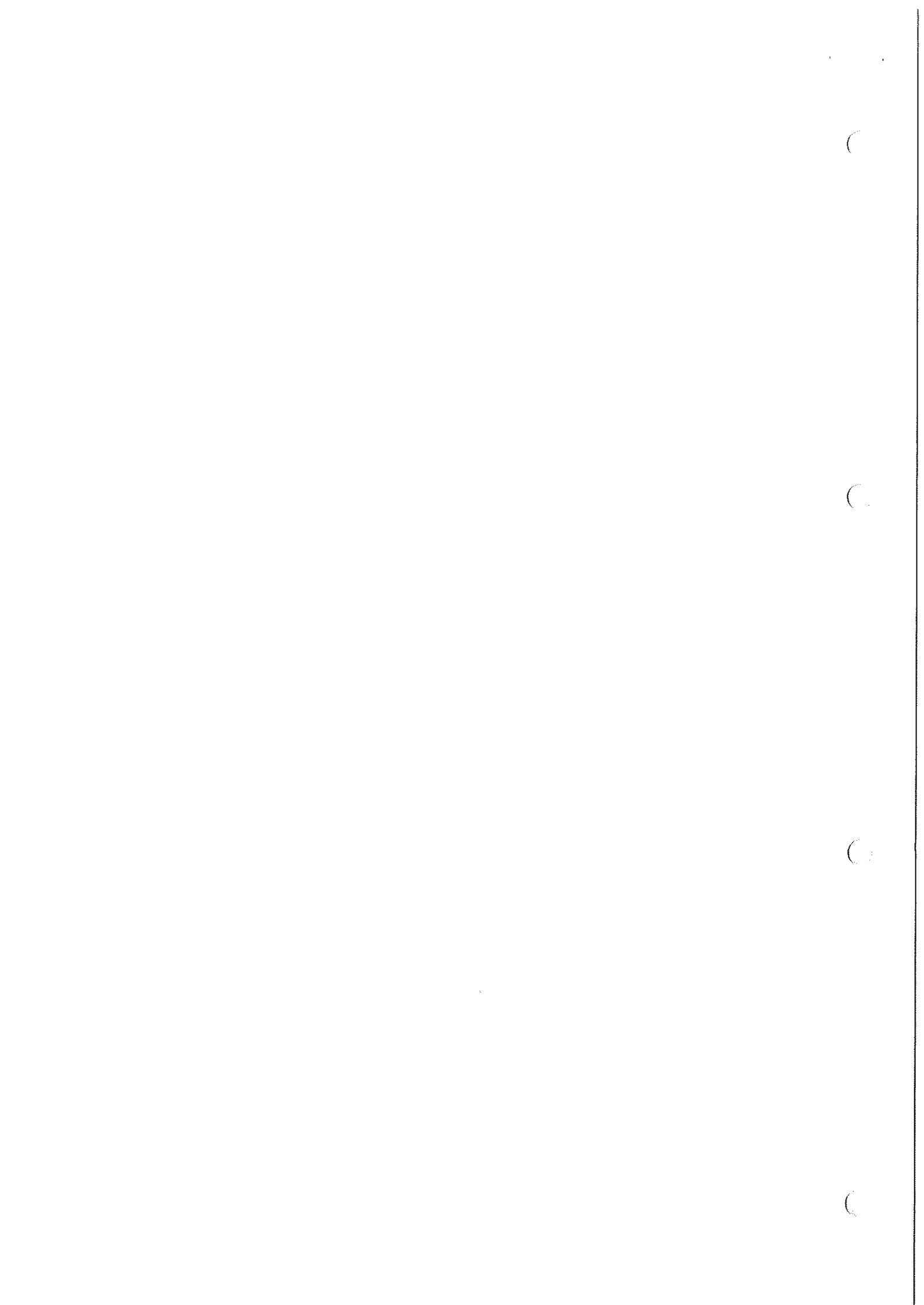
The lift will still operate normally, subject to the slowing and stopping inputs, but once the lift has started, the interruption of the locks/car gate contact circuit will be ineffective and the lift will continue in operation.

Note:

- (a) The primary safety circuit from the transformer fuse to AF terminals is not compromised and any interruption of this circuit will stop the lift.
- (b) The potential short circuit in RP7 resistor will not cause a safety hazard on its own.

Reference:

The main schematic key diagram for all lifts is correct and can be used as a reference point when checking the slowing and stopping limits wiring connections. A simplified "before" and "after" sketch is enclosed with these instructions.



3. **Site Check Procedure:**

- (a) Place the lift in a position in the shaft where both up and down slowing limits are closed and no calls are on the system. With a voltmeter check between terminals HSU to B- and HSD to B-, in both cases there should be a voltage of approximately 110Vac.

If the voltage is present on these terminals no further action is necessary and the lift can be put back into service.

- (b) If no voltage is present on these terminals, then the car top limit box assembly wiring connections will have to be checked and modified to correspond with the main schematic key diagram.

4. **Modification Procedure:**

Place the lift in a position for car top access and switch off the lift supply. Remove cover from limit box and identify the slowing limit switches and stopping limit switches. Remove the link wire joining one side of the up slowing switch to one side of the up stopping switch, this must leave the up stopping switch still connected by one cable to UP terminal in the car top box.

Repeat for down slowing and stopping switches leaving the down stopping switch still connected by one cable to DN terminal in the car top box.

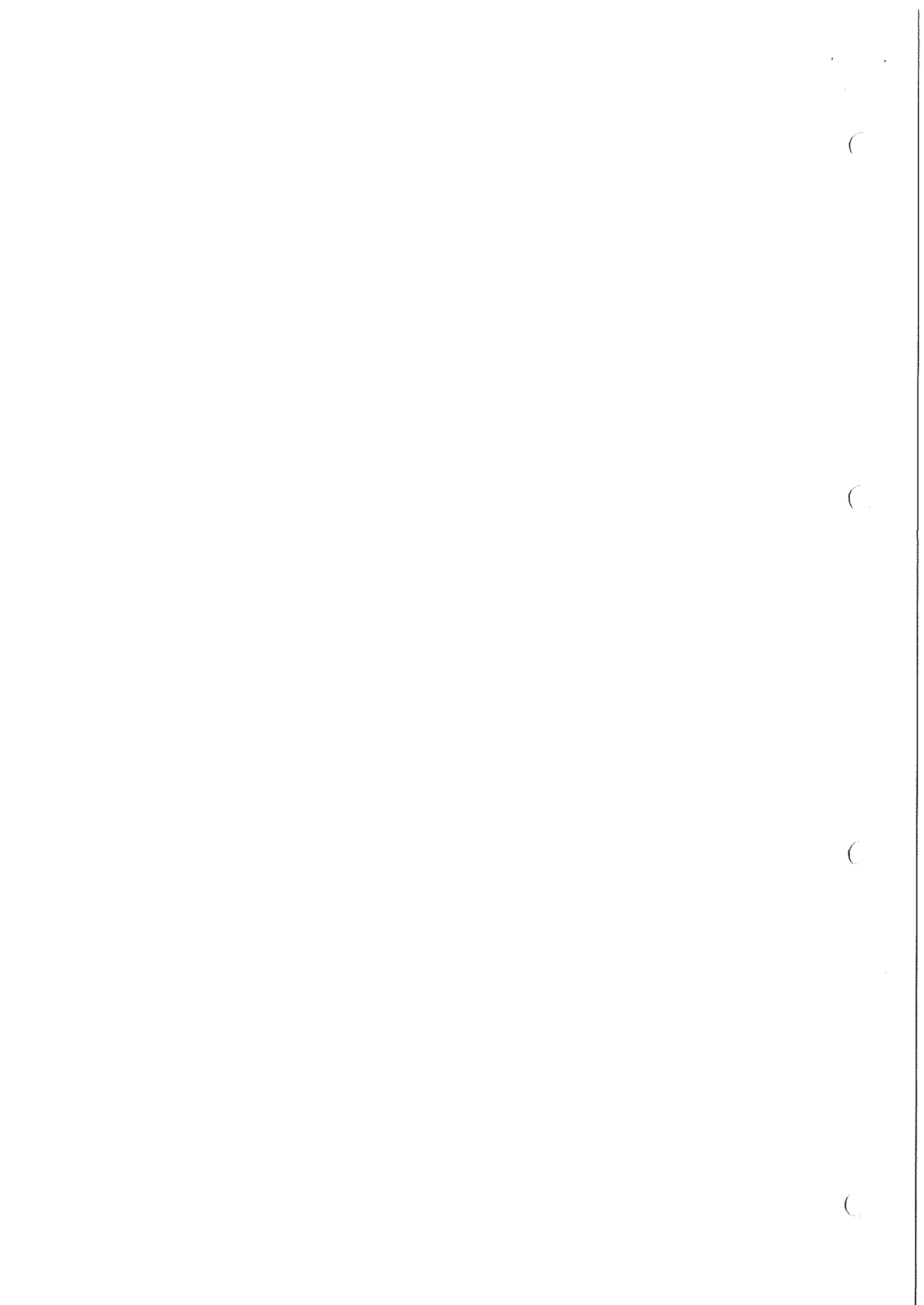
The up and down slowing switches will now each have a terminal with no cable connection. These two terminals must now be linked together and connected to AF terminal in the car top box by an extra cable. On completion replace all covers.

Switch on the lift supply and check that all locks, car gate and safety circuits operate correctly.

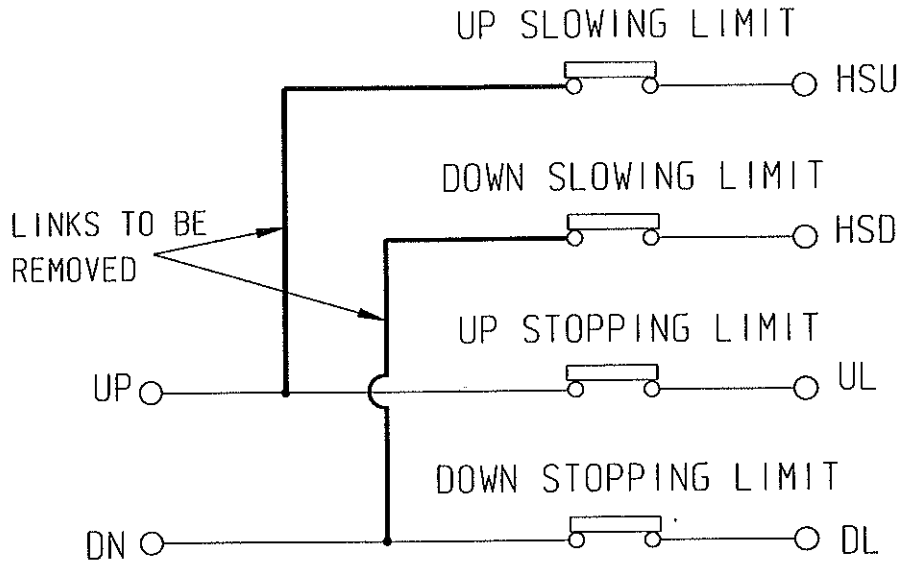
Refer back to Site Check Procedure [paragraph 3(a)] and if all checks are correct the lift can be put back into service.

Alan Mitchell
Chief Electrical Engineer

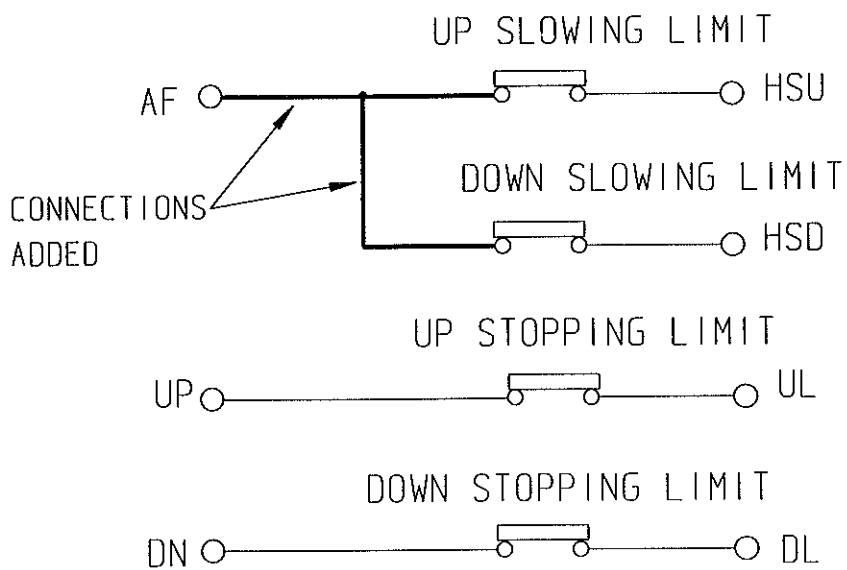
July 1996

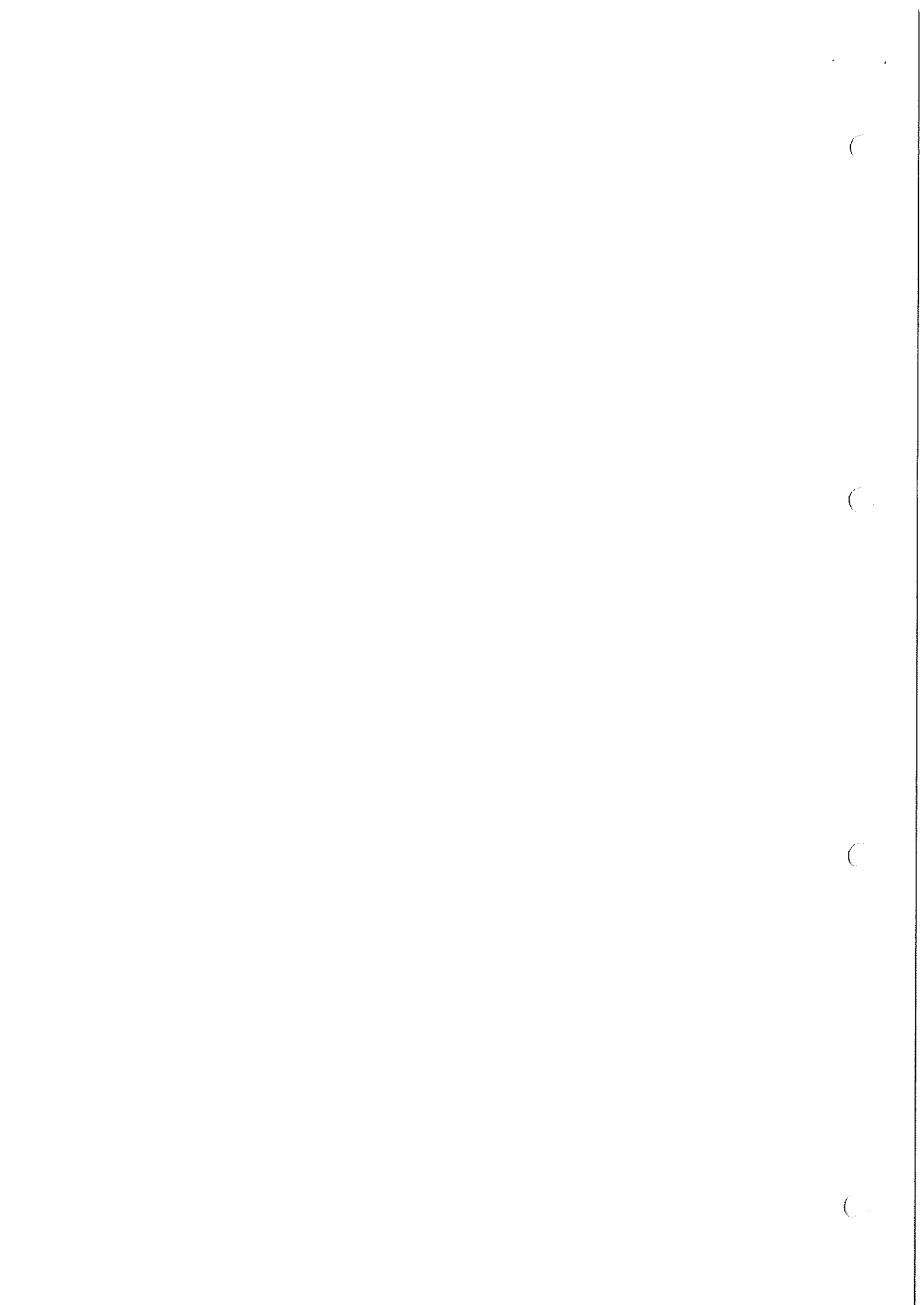


UP AND DOWN SLOWING/STOPPING LIMIT
CONNECTIONS BEFORE MODIFICATIONS



UP AND DOWN SLOWING/STOPPING LIMIT
CONNECTIONS AFTER MODIFICATIONS

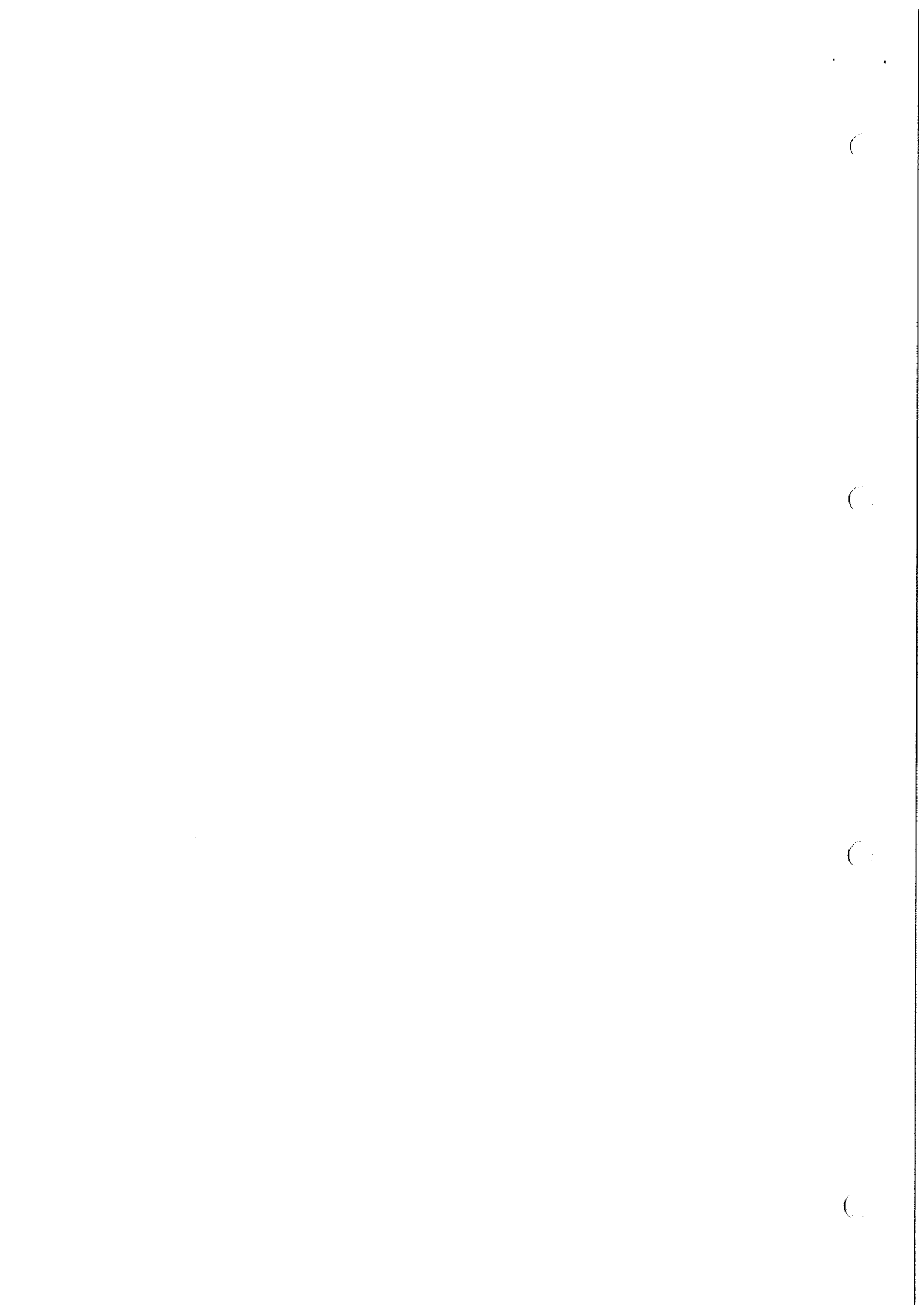




The safety check itemised on the preceeding three pages should be carried out on all the following lift addresses.

Note that each address is followed by the correct key wiring diagram number, no other diagram must be used for checking or reference.

1727	Longdin Street, Warrington	E9395/002
1772	Waverley Court, Shirley Road, Southampton	E9395/001
1777	Cross Street, Blaina, Gwent	E9395/002
1787	Community Mental Health centre, Carlton Road,	E9395/002
1789	13-15 Grittleton Road, London W9	E9395/001
1804	Abbots Court, 9 Ullswater Crescent, Dorset	E9395/001
1805	Ocean Village Marina, Southampton	E9395/001
1806	Bourne School Site, Eastbourne	E9395/018
1815	Mill Street, Cannock, Staffs	E9395/001
1820	Link Road, Nailsea, Bristol	E9395/001
1821	Link Road, Nailsea, Bristol	E9395/001
1823	West Heath EPH, Congleton, Cheshire	E9395/001
1824	West Heath EPH, Congleton, Cheshire	E9395/001
1829	7 Park Road, Tunbridge Wells	E9395/001
1842	Barnwood Fields Business Park, Gloucester	E9395/019
1848	The Maltings, Sherbourne, Dorset	E9395/001
1849	The Maltings, Sherbourne, Dorset	E9395/001
1850	Shieldbourne Drive, Harpurhey, Manchester	E9395/013
1853	Lombard House, Lombard St, Old Portsmouth	E9395/015
1860	Sea Lane, Nordsetter, Rustington	E9395/001
1865	Springfield House, Welshback, Bristol	E9395/001
1866	Richmond Adult and Community College	E9395/001
1870	Crown House, Market Place, Melksham	E9395/002
1877	White Lodge, Carew Road, Northampton	E9395/017
1878	43 St Stephens Gardens, W2	E9395/001
1879	Old Common Gardens, Locksheath	E9395/002
1882	Ellesmere Street, Manchester	E9395/001
1884	All Saints RC Comp, Granville Road	E9395/018
1885	305 Chase Road, Southgate, N14	E9395/001
1886	Hall Lane, Upminster	E9395/017
1890	Havant Road, Horndean	E9395/017
1912	Palmer Ave/Moatfield Road, Bushey	E9395/002
1913	Palmer Ave/Moatfield Road, Bushey	E9395/018
1915	Montague Road, Sale, Manchester	E9395/001
1918	Hove Lodge, Hove Street, Hove	E9395/002
1920	Flats, Holders hill Road, Finchley	E9395/017
1921	Flats, Holders hill Road, Finchley	E9395/017
1939	Hoyle Bank, Alderley Road, Hoy lake, Wirral	E9395/017
1941	Cressex Ind. Est. High Wycombe	E9395/001
1950	Imperial Road, Great Malvern, Worcs	E9395/001
1958	William De Ferrers School Annexe, Woodham Ferrers, Essex	E9395/016
1959	54 St Johns Road, Bath	E9395/001
1972	14 Worplesdon Road, Guildford	E9395/018
1979	168 Station Road, Hendon	E9395/017
1980	56-58 Onslow Gardens, SW7	E9395/010
1982	RNIB, Forest Road, Loughborough	E9395/018
1986	The Esplanade, Rochester	E9395/017
1994	Hadfield Street, Salford, Greater Manchester	E9395/018
1997	Holbeck Court, Filey Road, Scarborough	E9395/018
1998	Chichester Festival Theatre	E9395/018
2001	Avonleigh Nursing Home, Sneyd Park, Bristol	E9395/018
2005	Royal Bank of Scotland, Sheffield	E9395/001



2006	Wilson Road, Stamshaw, Portsmouth	E9395/018
2018	340-344 Shirley Road, Shirley, Southampton	E9395/017
2019	Learning Resources Centre, Colchester	E9395/024
2020	26 Wickham Road, Fareham	E9395/018
2022	The Sawmills, Summers Road, Farncombe, Surrey	E9395/018
2032	Avalon House, Chesil Street, Winchester	E9395/017
2033	Sheltered Housing, Chesil Street, Winchester	E9395/017
2040	Brookglade, Chelmsford	E9395/017
2057	Storth Lane, South Normanton	E9395/018
2061	Block A, Abbots Court	E9395/017
2082	80 Station Road, New Barnet	E9395/018
2083	Michenden School	E9395/018
2103	Queens Way, Redhill	E9395/017
2105	Bridge Road, Park Gates	E9395/018
2106	Newbury Business Park, Dowty Facility	E9395/018
2110	63 Cheap Street, Newbury	E9395/017
2115	Gillingham Business Park	E9395/017
2119	Hamblin Road, Woodbridge	E9395/018
2154	Stevenson Road, Basingstoke	E9395/017
2206	Terrapin Ltd, Milton Keynes	E9395/018
2207	Mercado Warehouse, Cross Green Way	E9395/017
PSL 281	Sheltered Housing, Weeke, Winchester	E9391/038C
PSL 292	Nursing Home, Hereford	E9391/045B
PSL 316	Sheltered Housing, 16-18 Gosport Road, Stubbington	E9391/038
PSL 325	Hurlingham Manor, Bournemouth	E9391/038
PSL 327	St Waleric, Park Road, Winchester	E9391/038
PSL 331	29-30 Longacre Road, Carnarthen, Dyfed	E9391/038
PSL 333	Nursing Home, Kings Mills, Wrexham	E9391/038
PSL 335	Convent, 212 Hammersmith Road W6	E9391/038
PSL 339	High Street, Bognor Regis	E9391/038
PSL 346	Weybourne House, Portsmouth Road, Guilford	E9391/038
PSL 350	Belvedere House, The Promenade, Isle of Man	E9391/038
PSL 364	Southwest Lifting Ltd, Estover, Plymouth	E9391/038
PSL 365	34 Pedmore Walk, Oldbury	E9391/038
PSL 368	Chertsey Walk, London St, Chertsey	E9391/038
PSL 369	91 Willington Street, Maidstone, Kent	E9391/038
PSL 371	41 Barley Lane, Goldmayes, Essex	E9391/038
PSL 375	Tower Street, Winchester	E9391/038
PSL 378	Sinclair Mansions, 21-40 Richmond Way, W12	E9391/038
PSL 390	Sheltered Housing, Russell Court Petersfield Road, Midhurst	E9391/038
PSL 391	Longford Hospital, Havenstreet, Isle of Wight	E9391/038
PSL 398	Nursing Home, Manor Farm Road, Salisbury	E9391/038
PSL 399	160 Goldsmith Ave, Southsea	E9391/038
PSL 401	Office Services Depot, Acorn Ind. Park, Acorn Road, Crayford	E9391/038
PSL 402	Nursing Home, 22 Margerison Road, Ilkley	E9391/038
PSL 405	Small Business Centre, 93-99 Villiers Road, NW2	E9391/038
PSL 407	Nuffield Hospital, 81 Westbourne Ave, Hull	E9391/038
PSL 409	Eastwood House, Doncaster Road, Rotherham	E9391/042
PSL 410	Stakes Road, Purbrook, Waterlooville	E9391/038
PSL 413	Nursing Home, Patterdale Road, Blyth, Northumberland	E9391/038
PSL 414	Elmer Road, Middleton on Sea, W. Sussex	E9391/038
PSL 417	Arthur Mellows School, Glington, Peterborough	E9391/038
PSL 420	Eurocentre, Faversham Road, Kent	E9391/038
PSL 423	Nursing Home, 18 Aldwick Ave, Bognor Regis	E9391/038
PSL 426	Queensway Hotel, 147-149 Sussex Gardens, Hyde Park	E9391/038
PSL 430	Retirement Flats, off Hester Road, Portsmouth	E9391/038
PSL 434	85 High Street, Shanklin, Isle of Wight	E9391/048
PSL 440	17 Mansingham Place, London W1	E9391/038
PSL 446	Leyland Worden High School, Westfield Drive, Leyland	E9391/038
PSL 456	Nursing Home, 435 St Marys Lane, Upminster	E9391/038

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PSL 457	73 New Dover Road, Canterbury	E9391/038
PSL 458	Primrose Lodge, 29 Gratwick Road, Worthing	E9391/038
PSL 480	87-91 Bullar Road, Bitterne, Southampton	E9391/038
PSL 483	Ceulan, Harlech	E9391/038
PSL 488	Middx Poly. Library Extension, Enfield	E9391/038
PSL 493	Nursing Home, Lower Quinton, Stratford	E9391/038
PSL 500	18 Norham Gardens, N. Oxford	E9391/038
PSL 509	N.H. Barrack Lane, Bognor Regis	E9391/038
PSL 514	Residential Home, 39 Lewes Road, Eastbourne	E9391/038
PSL 521	47 Wellington Road, Blomsgove, Birmingham	E9391/038
PSL 522	78 Luke Street, London EC1	E9391/038
PSL 532	Gwernant, Selkirk Close, Cheltenham	E9391/038
PSL 536	21-23 Westwood Road, Southampton	E9391/038
PSL 548	East Carlton Hall, Corby	E9391/038
PSL 553	Fitzmaurice Place, Junction Road	E9391/038
PSL 558	Moselle Close, Myddelton Road, Hornsey, London	E9391/038

