

24hr Emergency Repair Service

Whatever the problem or make of door, our professional engineers are on call 24hrs a day to assist you. Our dedicated staff will offer a speedy response to any call for assistance, an experienced engineer will repair or make secure any door and advise any further improvements or replacements that may be required.

FOR MORE INFORMATION CALL:

01698 376 444



LOWLAND ENSOR

Designed with your requirements in mind...

Our complete range of doors are expertly designed and competitively priced, without compromising quality.

ROLLER SHUTTERS & GRILLES

Low maintenance, security and a range of finishes makes this popular door a bestseller. Options now available include: perforated, punched matrix designs and insulated lath.

Our range of rolling and folding grilles in aluminium, plastic, steel or wood, will enhance as well as secure your bar, server, precinct, shop or office.

SECTIONAL OVERHEAD DOORS

Aesthetically pleasing Insulated Overhead Doors are designed for today's energy conscious buildings. Available with a variety of glazing options from single viewing panel to totally glazed door.

HINGED STEEL DOORS

There is a steel hinged door to suit every application: security, general purpose, acoustic, glazed louvered and fire rated. Standard ironmongery or fitted with your choice of hardware.

HIGH SPEED RAPID ROLLERS

Another door for the energy conscious, a fabric or PVC secondary door which operates in under 2 metres per second, keeping valuable heat in.

Rubber doors are also popular, when it comes to energy saving these 'Crash' doors come in various combinations of rubber and PVC, in different thickness and strengths, to suit any pedestrian or vehicular traffic.

BARRIERS & GATES

We offer a complete range of mechanical/electrical gates and barrier systems. Our comprehensive range of upgrade packages are designed to suit a variety of different applications.

SERVICE

Our experienced staff are on hand to provide repair and maintenance support of our full product range, regardless of make or manufacturer.



INSULATED SECTIONAL OVERHEAD DOORS



LOWLAND ENSOR

LOWLAND ENSOR DOORS LTD, 9 NETHERTON ROAD, WISHAW ML2 0EQ
Telephone: 01698 376 444 Fax: 01698 376 888 Email: sales@lowlandensor.co.uk

www.lowlandensor.co.uk



ENSOR GROUP

INSULATED SECTIONAL OVERHEAD DOORS

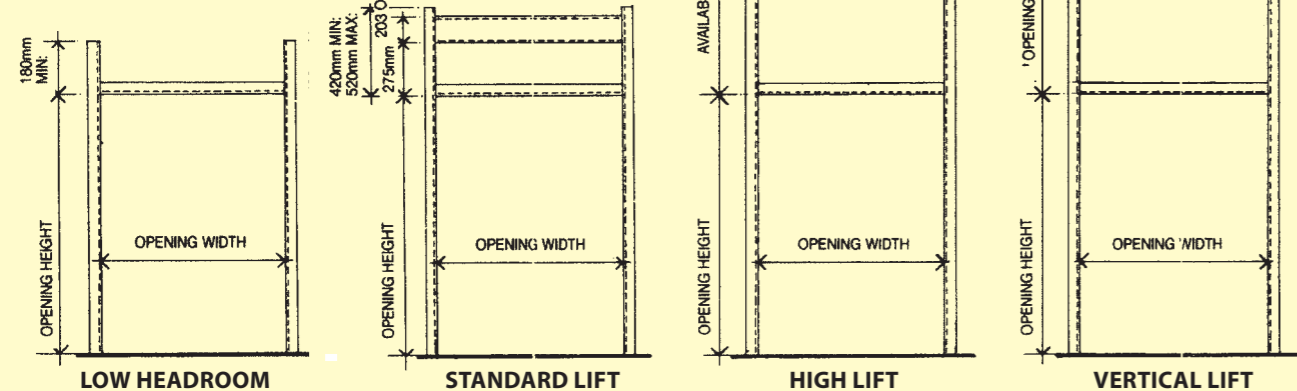
LOWLAND ENSOR

Typical Steelwork Opening Requirements

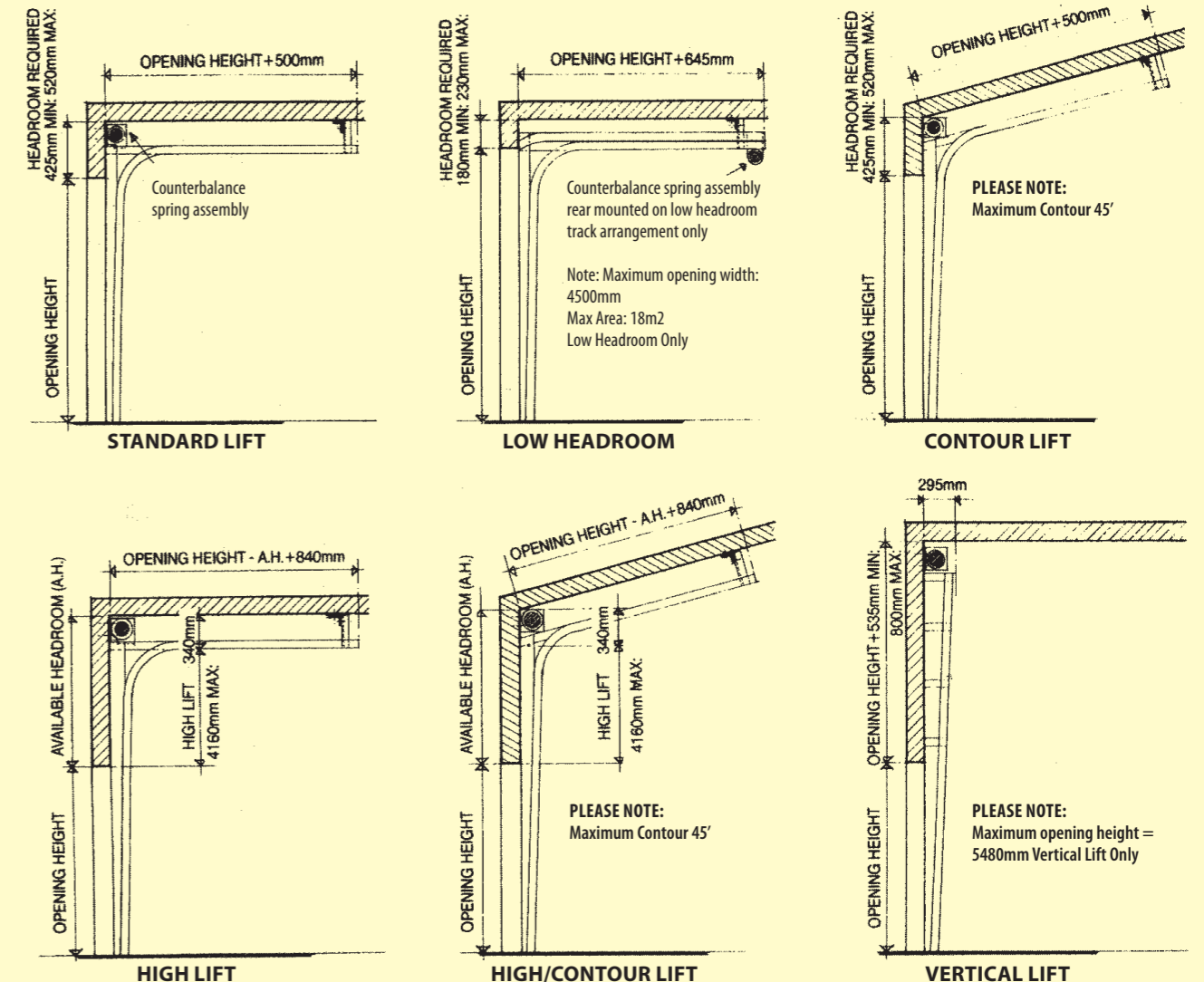
PLEASE NOTE: A suitable steel channel is required across the full width of the opening at high level on all openings and track arrangements (other than low headroom) to support counterbalance spring assemblies.

Channel at high level not required on low headroom tracks: Spring assembly mounted at rear of opening (see track arrangements opposite).

Standard lift tracks require a 152mm deep channel on openings up to 5940mm high and 203mm deep over 5940mm high.



Track Arrangements and Space Requirements



SPECIFICATIONS - Door Panels

Door panels formed from galvanised steel sheets bonded together with high density CFC free polyurethane foam to provide a U value of approximately 0.44 W/m2K with thermal break between panels. Vertical and horizontal tracks, hinges and brackets, cappings and hardware are galvanised, with assembled door running on adjustable galvanised roller carriers, bolted to each individual panel. Each door is counterbalanced by means

of tempered helical springs at high level, mounted on bright steel plates with self-aligning roller bearings for smooth and quiet operation.

Cable tensioning devices are fitted to most doors. Rubber seals are fitted to the top and bottom of each door with PVC seals to each side of the opening for protection against weather.

OPERATION - Manual or Electric

Manual by means of continuous galvanised hand chain or push up with pull down cord. All manually operated doors are fitted with a recessed lifting handle and spring loaded shootbolt as standard.

Electric operation by means of 415 volts 3Ph supply drive motor with emergency disconnection and hand chain push up operation in the event of power failure.

FINISHES - Internal & External

Standard external finish on all door panels is off white polyester paint protection.

Standard internal finish on door panel is stipple white polyester protection.

OPTIONAL EXTRAS - Internal & External

Plastisol internal and external finish in most HP200 colours. PvF Colourcoat in selected colours only. Double glazed windows. Special electrical equipment (automatic

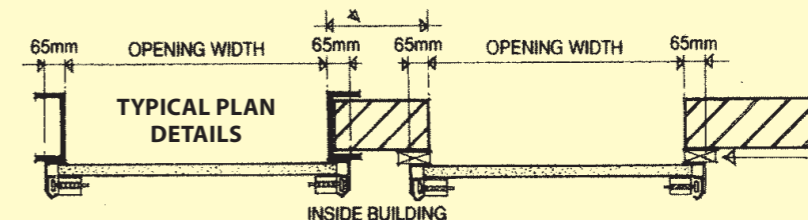
operation, safety edges etc). Pass door, integral with main door body. External locking arrangement.

Call now for a **FREE** Survey/Quotation on:

01698 376 444

At Lowland Ensor we have a policy of progressive design and we reserve the right to change or modify our products without alteration to this leaflet.

PLEASE NOTE: Minimum clearance between adjacent doors is dependent on track arrangement and position of handchain or drive motor. Please consult us for accurate dimensions.



PLEASE ENSURE: All openings are formed plumb and square with all internal faces flush.

Doors installed directly onto steelwork openings provide a perfect weather seal all round. On uneven masonry openings it may be necessary for clients to provide a 125 x 50mm timber subframe in order to give a flat, even fixing surface.

GENERAL NOTE

Hand chain operation or electrical drive motors may be positioned either to the right or left hand side of the opening, to suit customers requirements.

Where minimum headroom is not available or where there are obstructions adjacent to the door opening, it may be possible to amend the track detail or re-position the counterbalance springs at high level to suit. Please contact us for assistance and further information.



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