

The Ideal Lifts Guide for LGS Construction

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Company Profile:

Ideal Lifts Limited specialise in OFFSITE passenger lifts solutions designed for modern methods of construction (MMC).

Established in 2003, we have many years' experience in the lift industry, with people who want to 'do things differently'.

People are the core of our business, and we believe in the value of collaborative relationships. At Ideal Lifts, we pride ourselves on offering a partnership approach in which we view ourselves as part of the build team rather than an external supplier. We appreciate the benefits of long-term supplier relationships, reducing overall costs, increasing efficiency and communication, reducing pricing volatility and supply chain consolidation.

Ideal Lifts provide complete solutions which include our innovative Ideal Lifts Frame System. We work with clients from the very start of the process, offering a design and technical support service. Our team can then assist with 'freezing' the lift design details, providing them to the professional team, and with continued technical support ensuring a successful completion to what is usually one of the most complex parts of a build project.

Full details of the company's range of products and technical information can be seen in current literature and on the company website at www.ideallifts.com

Our passenger lift range are suitable for a variety of applications including residential, education, health care, office buildings, retail and commercial use.

All our products are of high quality, safe and reliable. They comply with current Statutory Regulations, (including European Standards) and those covering Health and Safety (H&S), and Construction Design and Management (CDM).



Why Choose Ideal Lifts?

We care about our clients, providing friendly professional advice to ensure our lifts are fit for purpose, cost effective and reliable.

From 6 to 33 person, with ultra-compact installations in traditional build and a unique range of solutions for **OFFSITE** construction such as **Timber Frame**, **Modular** and **Light Gauge Steel** (LGS) using our Ideal Lifts Frame System.

Ideal Lifts offer a comprehensive range of lifts with contemporary finishes to suit your building needs.

Our Models

IL2 - The IL2 hybrid design offers much of the functionality of a conventional passenger lift, with a fully enclosed cabin and automatic 'one touch' controls. The IL2 is designed to fit in only a 150mm pit and 2800mm headroom. In keeping with BS EN 81-41 the IL2 has a drive system designed for low use where speed is not an issue.

IL3 - The IL3 Eco-Drive motor room-less (MRL) gearless traction drive passenger lift is ideal for low or medium rise buildings and for moderate use. It's a perfect cost-effective and energy efficient solution for your project. With an ever increasing demand to reduce energy, our Eco-Drive passenger lifts use 35% less electricity than conventional traction lifts and can achieve two **BREEAM** credits. Fully compliant BS EN 81-71, Category 1 & 2, Vandal Resistant lifts and BS9999 Evacuation Control lifts are also available in this model.

IL4 - The IL4 passenger lift range is for larger building and busy environments - to carry people higher and faster. Fitted with a premium variable speed motor room-less (MRL) gearless traction drive, and can achieve two **BREEAM** credits. Our IL4 passenger lifts offer safety, reliability and choice in equal measures. Fully compliant BS EN 81-71, Category 1 & 2, Vandal Resistant lifts, BS9999 Evacuation Control lifts and BS EN 81-72 Firefighters lifts also are available in this model.

Data sheets detailing shaft, pit and headrooms with loads are available for our range of lifts, please ask for a copy to assist with your building design.

Model Name	Motor Starts (per hour)	Speed (Metres per second)	Up to x No. of Floors	Power Options
IL2	12	0.15 m/s	4	Single phase
IL3E	180	0.5 m/s	5	Single and Three phase
IL4	180	1 m/s – 1.6 m/s	12	Three phase

N.B. 13 P (1000kg) and above are only available in Three phase

Your trusted partner

Ideal Lifts are with you every step of the way – from planning and design through to installation and maintenance.

Our industry leading solutions are supported by comprehensive pre-handover quality testing and post-sales services.



Key Benefits of Using the Ideal Lifts Frame System:



Only requires standard LGS walls



No special fabrication or additional steelwork required



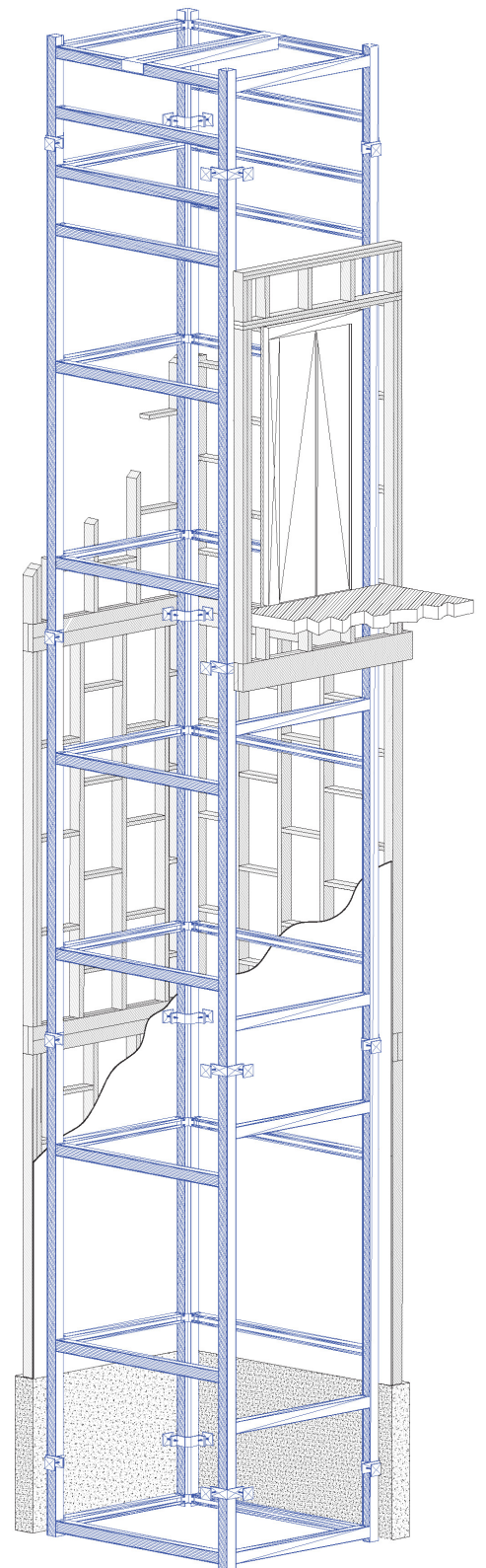
Speeds up production throughout the factory



Includes lifting beams, pit ladder and does not require scaffolding



Cost certainty, no waste and speed of installation



Click on the frame above to see a video overview of the Ideal Lifts Frame System in action.

Lift Model	Capacity	Speed (m/s)	Clear Doors Openings	Accessibility – Compliant with BS EN 81-70 Regulated Standards & Building Regulations (Part M)	Internal Car Width	Internal Car Depth	Internal Shaft Width to Fire Line Finish	Internal Shaft Depth to Fire Line Finish <i>Landing entrances without threshold rebates</i>	Pit Depth Below Finished Floor Level	Headroom Above Finished Floor Level
Motor Room Less (MRL) Traction Drive	Passengers / Kg		(2000 Height)					Single Entrance (Through Car)	† (BS EN 81-20/50 compliant)	Including Lifting Beam
IL3E_F_630KG_C	8 / 630	0.5	900 2 PSO	Type 2 M4 (2) Cat 2	1100	1400	1740	1900 (2040)	1080	3650
IL4_F_630KG_C	8 / 630	1.0	900 2 PSO	Type 2 M4 (2) Cat 2	1100	1400	1740	1900 (2040)	1080	3650
IL3E_F_630KG	8 / 630	0.5	900 2 PSO	Type 2 M4 (2) Cat 2	1100	1400	1830	1900 (2040)	1080	3650
IL4_F_630KG	8 / 630	1.0	900 2 PSO	Type 2 M4 (2) Cat 2	1100	1400	1830	1900 (2040)	1080	3650
IL3E_F_1000KG	13 / 1000	0.5	900 2 PSO	Type 3 M4 (2) Cat 2	1100	2100	1850	2580 (2740)	1080	3650
IL4_F_1000KG	13 / 1000	1.0	900 2 PSO	Type 3 M4 (2) Cat 2	1100	2100	1850	2580 (2740)	1080	3650

IMPORTANT: All shaft dimensions are minimum dimensions in mm (- 0 / + 25). For guidance only, construction to be based on site specific drawings.

† Reduced pit depths available on some models, compliant with BS EN 81-20/50. [Contact us](#) for more details.

See our [Accessibility Guide](#) for more details.

IL3 Models = [Eco-Drive \(E\)](#)

Landing Entrance Adjustable Profiles - LEAP

Benefits to Constructors:

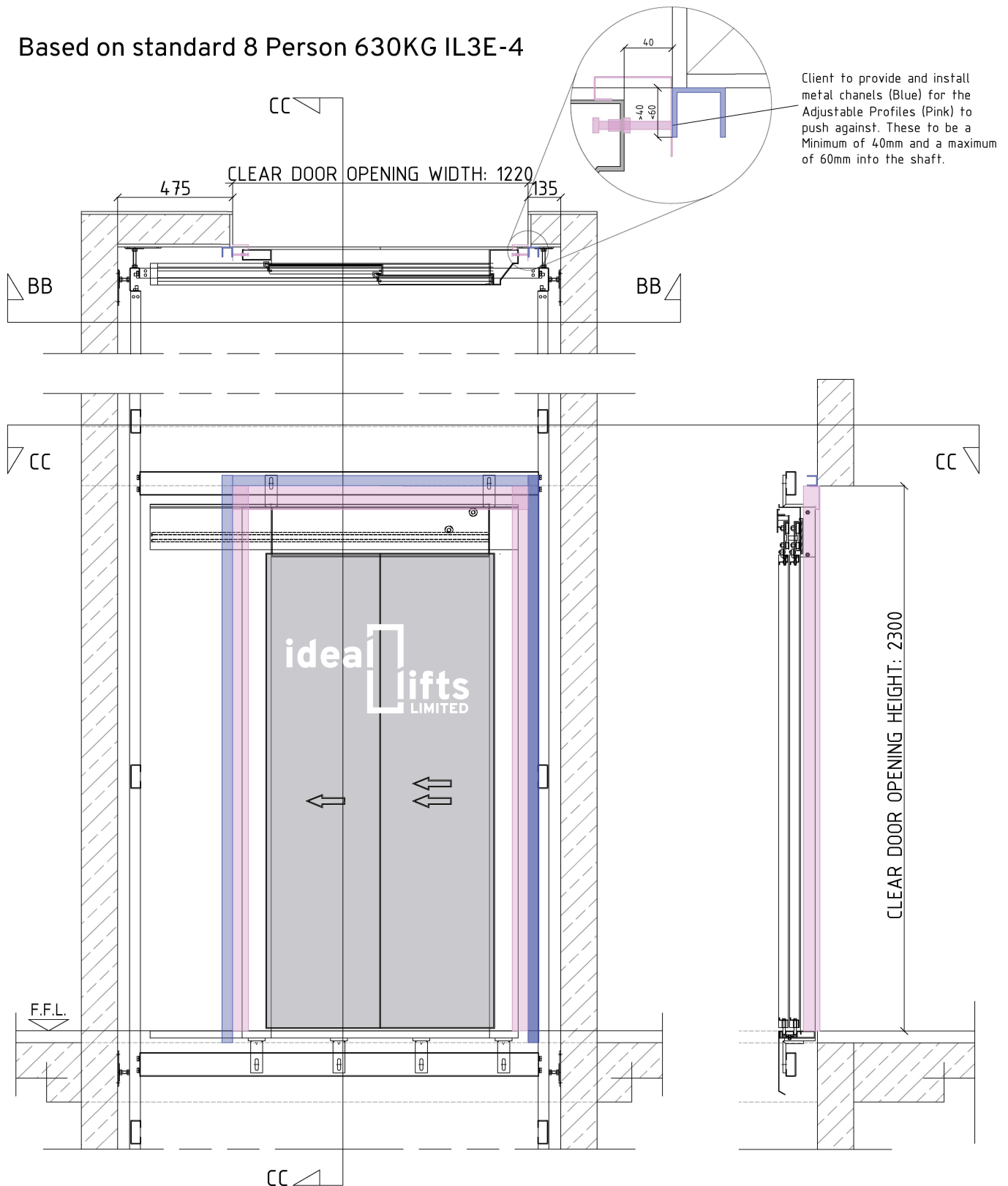
- Enables the landing entrances to be manufactured **OFFSITE**, in the factory.
- Speeds up completion of communal areas, the area of intense activity by many trades during the latter stage of the building completion.
- Reduces management time, removes the need to stop installing, and then return to site after the entrances have been 'built in'.
- The lift installation and testing can be one continuous process.
- Prevents damage from building materials falling down into shaft and lift equipment.
- Reduces the need for day-work by lift engineer to gain access and move the lift up and down to fire line inside of shaft entrances.

- Provides immediate full width entrance protection once the landing doors are fitted



Landing Entrance Adjustable Profiles - LEAP

Based on standard 8 Person 630KG IL3E-4



Procurement & Management Issues with **Bespoke Steel Lift Shafts**

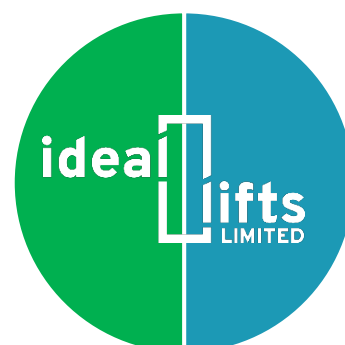
If intending to install a bespoke steel shaft within the building, you will also need to include for contract negotiation of each individual package, different payment terms and individual invoice and contract processing.

In addition, on-site project management time i.e. liaison between trades for fitting of specialist *halfen* fixing channels, cutting of fire boarding around the fixing channels and for installing and testing the lifting beams and eyes.

Bespoke Method
of Packages



Ideal Solution
of Packages



V's

- Bespoke Steel Shaft
- Lift
- Scaffolding
- Specialist *Halfen* Fixing Channels
- Lifting Beams & On-site Testing
- On-site Cutting of the Fire Boarding Around *Halfen* Fixing Channels

- Repeatable Steel Shaft
- Lift & Frame System

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