

# FREIGHT HOIST MAST LIFTS



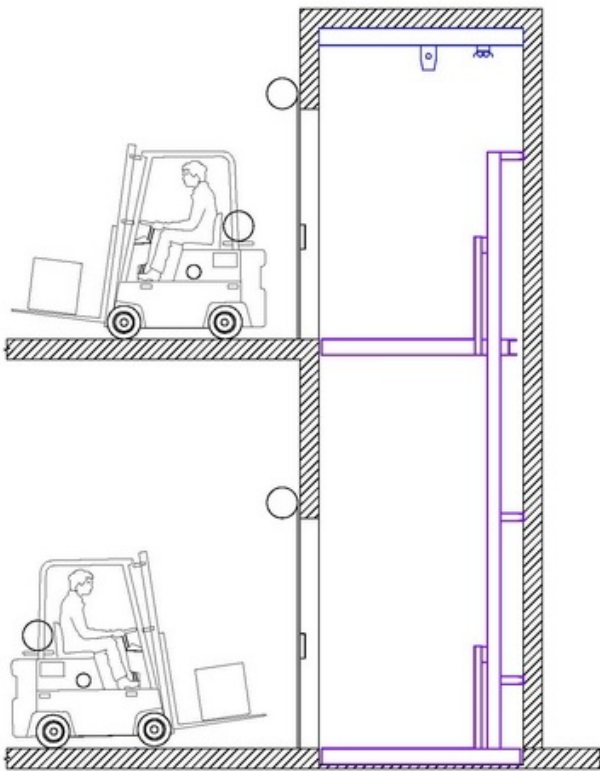
McGrath Industries' Freight Hoist Mast Hoists are a lift mechanism that can be applied in both low rise and multi-level (between floor) cargo transfer applications. It is ideal for moving freight between levels in any type of facility including warehouses, factories, retail complexes and restaurants.

Compared to a passenger-goods elevator a *freight only* Mast Hoist is a very economical alternative. The mast is a self supporting structure that carries all load directly back to the floor. For the cargo deck to be level with the floor when fully lowered, the base of the mast is mounted in a swallow pit. However, in many installations a pit is unnecessary. If the Mast Hoist sits directly on the floor slab the lowered deck is nominally only 150mm high. Fork-lifts can place pallets directly on the deck or a low incline ramp can be installed for access using hand devices like pallet trolleys.

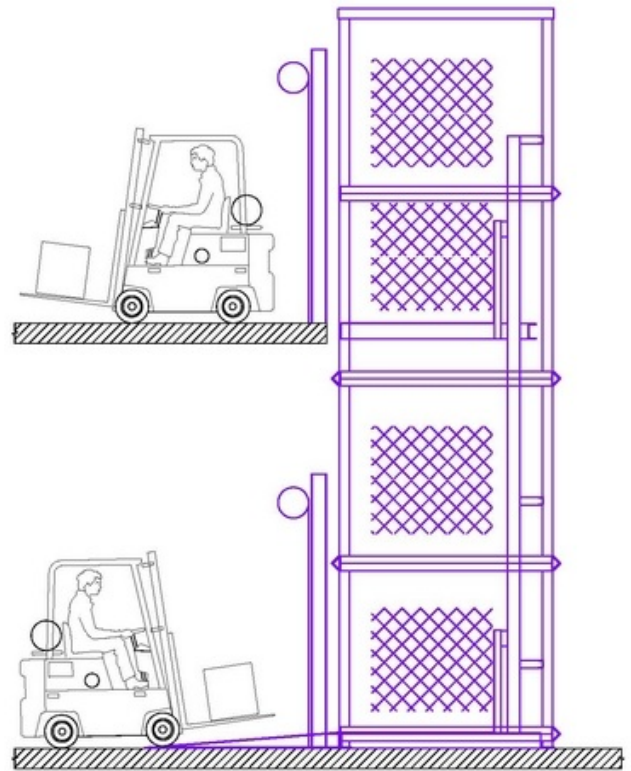
In low rise installations handrails, gates, interlocked controls, foot shear safety bar and roller blinds are included as applicable to support a safe working environment.

In multi-level (between floor) installations, a lift shaft enclosure is required. The shaft can be constructed separately and integral with the building if appropriate to the site. Alternatively, in many simple installations such as ground floor to mezzanine, the lift shaft can be provided as a fence enclosure attached to the mast structure, forming a complete unit that requires no site work preparation.

Lift shaft doors may be manual or power operated and are interlocked with the controls. Controls on each landing can include Call and Send buttons plus level indicators. The hydraulic power plant is usually located adjacent to the lift shaft and may be enclosed in it's own ventilated machine room to minimise noise during operation if appropriate to the building environment.



Pit mounted in building lift shaft



Floor mounted complete with lift shaft enclosure

## GENERAL SPECIFICATION

### Maximum Range of Travel:

Up to 11 metres overall.

### Lifting Speed Range:

2.0 - 6.0 metres per minute to suit travel distance.

### Lowering Speed:

Generally matched to Lifting Speed. Adjustable.

### Standard Cargo Deck Size and Type:

1.2m square. Smooth reinforced flat steel surface with anti skid grit finish.

### Standard Features:

- *Maintenance Props* are fitted to allow service staff to work safely under the raised hoist.

### Optional Features:

- *Guard Walls* attached to non-interfacing edges of the

Cargo Deck help contain the freight within the deck area and protect lift shaft walls from impact damage.

- *Access Ramp* at ground level for floor mounted installations, 150mm high.
- *Lift Shaft Enclosure* for multi-level (between floor) installations. Modular fence enclosure with separate door frames and vertical opening roller doors.
- *Ride-on Capability* allows a trained operator to ride on the platform with the load between floors. Includes onboard controls plus additional safety features.

### Standard Electrical Supply:

3 phase + Earth 50 Hz. Electrical supply should be to a point adjacent to the hoist hydraulic power plant position, (by others). Supply cable to be unterminated.

### Standard Paint Finish:

Industrial Grey with Safety Yellow Load Flips if included.

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