

# TLS Modular Elevator Solutions Construction Hoist

**TLS Uses the MEM Modular Elevator System** and they are a perfect solution for usage as a Construction Hoist on projects that eliminates the need to rent a costly external hoist to meet OSHA Standards.

An MEM Modular Elevator System is ideal for projects with:

- Up to 75 feet of elevator travel
- Projects with exterior site space limitations



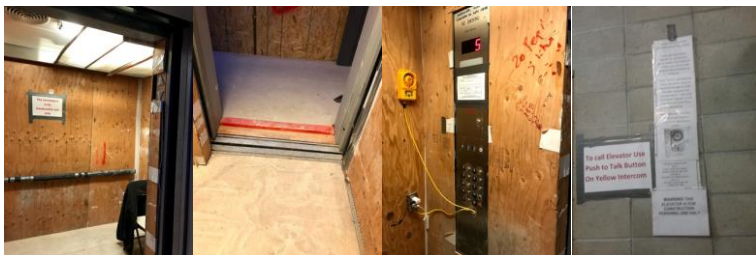
The MEM System is pre-engineered for seismic and wind loads and is attached to the building as it is constructed.

The Modular Elevator System is installed early in the project and the building is constructed around the elevator.

The Machine Room is fully constructed and the Modular Elevator becomes operational under temporary power.

The Modular Elevator is DOSH permitted for temporary Construction Hoist usage at each pre-determined floor level as the building construction goes up.

The Modular Elevator Cab is temporarily protected and set up for Construction Hoist usage.



Once usage as a Construction Hoist is complete, the cab is refurbished to factory standards, or with one of numerous upgraded finish options, and the elevator receives a permanent DOSH operating permit.



## Elevators Made Simple

*Simply Put* - A TLS Modular Elevator through Modular Elevator Manufacturing (MEM) is an innovative solution that consists of a full conventional commercial elevator pre-installed in a Pre-Engineered Hoistway, fabricated off-site. It is then delivered to the job-site as a complete Hydraulic Modular Elevator solution for projects with up to 75 feet of elevator travel for both interior and exterior elevator applications.

## Design and Construction Made Simple

TLS – MEM Modular Elevator System greatly simplifies the complete elevator design and construction process. Note: The MEM Modular Elevator are built in California assuring all California Code requirements are met.)

- ✓ Stamped Drawings and Calculations for JHA Approval
- ✓ No Hoistway to Design or Construct
- ✓ No Hoist Beam to Design or Construct
- ✓ Pit Ladder is included with a Modular Elevator
- ✓ Pit Light is included with a Modular Elevator
- ✓ Pit GFCI is included with a Modular Elevator
- ✓ Pit Switch is included with a Modular Elevator
- ✓ Hall Stations are Mounted on Elevator Door Frame
- ✓ Fire Rated Hoistway Walls Included
- ✓ Services only need to be brought to Machine Room on the ground floor where the Modular Elevator takes it from there into the elevator pit.

## Fast Track Delivery and Installation

TLS - Modular Elevator System eliminates the delays associated conventional elevator construction that has to wait for the building to be complete before the elevator can begin to be installed.

- ✓ A Modular Elevator Delivers approx. 20 Weeks after Approvals
- ✓ A Modular Elevator Installs in 1 Day
- ✓ Elevator Start-up in a Week after Services are Installed
- ✓ Shortens the Project Critical Path

## Non-Proprietary Components Equals Life-Cycle Savings

TLS – MEM Modular Elevator System only utilizes non-proprietary components from the major elevator component manufacturers. This offers greater flexibility to maintain the Modular Elevator system over its life without expensive long-term service contracts.

- ✓ Non-Proprietary Components
- ✓ Major Components from California Manufacturers
- ✓ No Long-Term Service Contract Required



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## The Five Steps of Our Modular Elevator Process



The Hoistway is fabricated with precision, utilizing lasers and jigs, off-site in a controlled environment



A completely fabricated pre-wired and pre-piped Commercial Elevator is inserted into the Hoistway



The completely assembled Modular Elevator is shipped to the job-site via a flatbed truck



The Modular Elevator is lifted off the flatbed truck with a crane, placed into the pit and attached to the anchor bolts



In less than 1-day the Modular Elevator installation is 95% complete and is just waiting for permanent power



[www.modularelevator.net](http://www.modularelevator.net)

## A Sample of Our Modular Elevator Solutions

### Schools and Universities



### Transportation & Parking



### Medical Facilities



### Housing



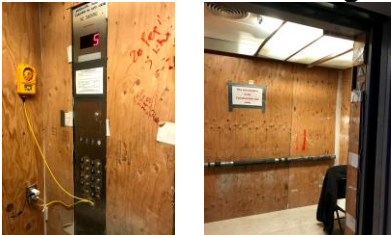
### Hospitality



### Public Facilities



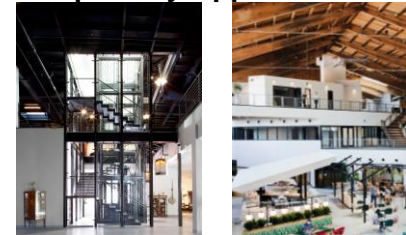
### Construction Hoist Usage



### Building Retrofits



### Specialty Applications



Our Modular Elevators enable virtually any kind of facility to achieve and/or improve accessibility and meet ADA plus Gurney compliance for both interior and exterior applications while saving time and money.

