

TRANSIT LINE

SPECIFICALLY DESIGNED ELEVATORS FOR TRANSIT STATION APPLICATIONS

Uniquely engineered for transit station demands:

- Subways
- Elevated trains
- Bus depots
- Airports

TRACTION ELEVATORS

Mid-American Elevator specializes in the finest, most complex, highly customized elevators and lifting solutions.

TRACTION ELEVATORS

CUSTOM-BUILT FOR THE UNIQUE
CHALLENGES OF THE TRANSIT ENVIRONMENT

Overhead Traction Elevators

The overhead traction elevator is most common type of elevator. It is also the most adaptable. They can serve 2 floors or 200 but are most commonly used when total travel exceeds 40 feet. The cars are pulled up with rolling steel ropes or flat steel belts over a deeply grooved pulley.

Traction elevators can be designed for a broad range of speeds, capacities and configurations. With available speeds up to 1,200 feet per minute and capacities up to 40,000 lbs., we will help you figure out what works best for your particular application.

Our transit elevator system has been developed over 30 years of experience installing, modernizing, servicing and maintaining elevators in transit systems around the United States. We can custom design any transit elevator to meet the precise specifications and needs of the transit authority and the particular requirements of the job site.





YEARS OF TRANSIT EXPERIENCE

MID-AMERICAN
UNDERSTANDS THE
DEMANDS OF THE
TRANSIT MARKET

SETTING THE HIGHEST STANDARDS FOR TRANSIT USE: DESIGNING, BUILDING & MAINTAINING VERTICAL TRANSPORTATION SOLUTIONS

Advantages of Overhead Traction Elevators

Overhead traction elevators are the most frequently used elevator in buildings. They are faster, have a longer travel range, and are more energy efficient compared to other types of elevators.

- Easier and more cost effective service and maintenance of main drive equipment
- Fewer temperature sensitivity issues due to changes in oil temperature
- No video monitoring required between elevator machine and controller

Technical Specifications

- Drive equipment designed for 150% capacity (APTA requirement)
- PLC based control systems standard (APTA requirement)

Temperature Resistance

- Heat traced sills

Water and Urine Resistance

These transit elevators are designed to be completely resistant to biohazard contaminants and provide a seal between the subfloor and the surface from urine or costly water damage.

- NEMA 4 or NEMA 4x electrical enclosures and devices
- Type 316 stainless steel cabs, entrances and fixtures standard
- Type 304 or 316 stainless steel car slings and platforms optional
- Nickel silver car and hoistway sills
- Epoxy flooring

Crime Resistance

- Vandal resistant fixture design
- Stainless steel and safety glass cabs and doors provide maximum visibility
- Vandal resistant graffiti film
- Provisions for security cameras
- Communications in elevator car and hall stations



**Mid-American Transit Line
Complies with:**

- American Society of Mechanical Engineers (ASME) A17.1 and A17.2
- American Public Transportation Association (APTA) Heavy Duty Transportation System Elevator Design Guidelines
- Buy America Act
- Americans with Disabilities Act
- International Building Code
- American National Standards Institute (ANSI) Z 97.1 Safety Glazing Materials
- American National Standards Institute (ANSI) C 80.1 Electrical Rigid Steel Conduit
- National Fire Protection Association (NFPA) 70

Mid-American Elevator

WE KEEP AMERICA MOVING



OVERHEAD TRACTION ELEVATOR OPTIONS

Geared Traction

- More cost effective than gearless
- 1:1 or 2:1 Roping
- Standard design
- Maximum 500' of total travel
- Maximum 500 fpm speed

Gearless Traction

- More energy efficient than geared
- 1:1 or 2:1 Roping
- Standard design
- Maximum 500' of total travel
- Maximum 700 fpm speed

Basement Traction

- When height restrictions prevent use of overhead machines
- 1:1 or 2:1 Roping
- Standard design
- Maximum 500' of total travel
- Maximum 500 fpm speed

We have performed work for:

Chicago Transit Authority

Metra

Amtrak

Washington Metropolitan Area
Transit Authority

Bay Area Rapid Transit

Sound Transit

NASA

New York Metropolitan Transit
Authority

Long Island Railroad

Dallas Area Rapid Transit

Metro North Railroad

Anaheim Regional Transit

Intermodal Center

Founded in 1974, family-owned and operated Mid-American Elevator Company, Inc. has become Chicago's largest independent elevator company and an industry leader. We are large enough to tackle almost any construction, renovation or maintenance project, but small enough to provide the personal attention that you deserve.

We now boast six locations, from which our expert, experienced professionals meet our clients' needs — with safety, reliability and support always top-of-mind. We look forward to working with you on your next elevator project. Isn't it time to raise your expectations and partner with Mid-American Elevator?

Unparalleled Service and Repair



24/7/365 AVAILABILITY



Mid-American Elevator

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