DEM

ELEVATING EQUIPMENT

PRODUCT DESIGN GUIDE & ELEVATOR SOLUTIONS

DESIGN ★ ENGINEER ★ MANUFACTURE

DEM EE | Residential | Commercial | Integrated Solutions

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DEM Elevating Equipment

DEM Elevating Equipment is a family-owned and operated elevator equipment manufacturer based in Salisbury, Maryland. Established in the early 2000s, our company builds on the Meeks family's industry roots, which date back to the 1930s, when the family began selling elevator parts and equipment in Wilmington, Delaware.

We specialize in Group One elevator equipment and manufacture a comprehensive range of standard and custom products. Our commitment to quality, reliability, and responsive service has helped establish DEM as one of the largest independent, nonproprietary elevator equipment manufacturers in the United States.

Our goal is simple: to provide high-quality products and responsive service tailored to each customer's needs. We have the capabilities and expertise to support complex and custom projects while delivering the personal attention that remains the foundation of our family-owned business.

Our success is driven by the highly skilled professionals in our offices and on our manufacturing floor. Together, we maintain an uncompromising commitment to safety, quality, and value.

We welcome the opportunity to support your vertical transportation needs. We are proud to manufacture our equipment in the United States with certified welders and skilled tradespeople.

Why Offer Nonproprietary Equipment?

At DEM Elevating Equipment, we manufacture nonproprietary elevator equipment that gives you the flexibility to provide your customers with greater choice, control, and long-term value.

Give Your Customers Greater Control
Proprietary equipment can restrict access to specialized tools, software, replacement parts, and future upgrades. By installing DEM EE nonproprietary equipment, you can offer your customers greater control over the long-term operation, maintenance, and modernization of their elevator systems.

Strengthen Your Customer Relationships
Nonproprietary equipment allows you to remain a trusted resource throughout the life of the elevator. Your customers receive the freedom to make informed service and maintenance decisions, while you gain the opportunity to build lasting relationships through responsive support and dependable service.

Improve Access to Replacement Parts
We manufacture and stock a broad range of elevator parts and components to help you complete repairs efficiently and minimize downtime for your customers. Our responsive team, reliable lead times, and American-made products help you deliver the level of service your customers expect.

Compete for More Projects
Nonproprietary equipment enables independent elevator contractors to compete for installation, service, maintenance, and modernization opportunities. It gives you a compelling alternative to proprietary systems and helps demonstrate the long-term value of choosing an independent elevator contractor.

Offer Flexibility That Lasts
When you install DEM EE equipment, you are providing more than an elevator system. You are giving your customers a dependable, nonproprietary solution designed to preserve their options throughout the life of the equipment.

DEM Elevating Equipment

Our Capabilities

At DEM Elevating Equipment, we design and manufacture a wide range of elevator solutions, from standard equipment packages to highly specialized, custom systems. Our in-house engineering and manufacturing capabilities allow us to support projects of nearly any size or complexity.

We build durable, high-performance elevator equipment for commercial, residential, and industrial applications. Whether you need a standard package, custom components, or a heavy-duty freight elevator designed to handle substantial loads, we have the experience and resources to deliver.

When a project requires more than online resources and standard specifications, we are the team you want at the table. We work directly with elevator contractors to understand the project, answer questions, solve challenges, and guide the equipment through each stage of the process. We combine hands-on support, experienced engineering, and American manufacturing to help you bring the project to life. From straightforward applications to projects that require a completely custom approach, our team is ready to help you find the right solution.

Don't Just Take Our Word for It

See what our customers have to say about working with the DEM EE team.

VETERAN ELEVATOR

DEM served as the equipment supplier on our elevator modernization at PSNS, and their performance throughout the project reflected a high standard of technical capability, responsiveness, and attention to the specific requirements of a federal shipyard environment.

For this project, DEM supplied the full modernization package, including new entrances, control system design, machines, controllers, roller guides, fixtures, buffers, wiring packages, and door operators. Each component was engineered and delivered to match the existing hoistway conditions and the project's custom requirements, which allowed our field crews to execute the installation without the delays that often come from equipment that does not fit as designed.

DEM's submittal documentation was thorough and well organized, which supported a smooth review and approval process with the project's engineering and government oversight teams.

Based on our experience on the PSNS project, Veteran Elevator would recommend DEM Elevating Equipment to any contractor seeking a reliable equipment partner for elevator modernization work, particularly on projects with demanding specifications or federal compliance requirements.

Sincerely,
Ryan Hunter
Project Manager
Veteran Elevator

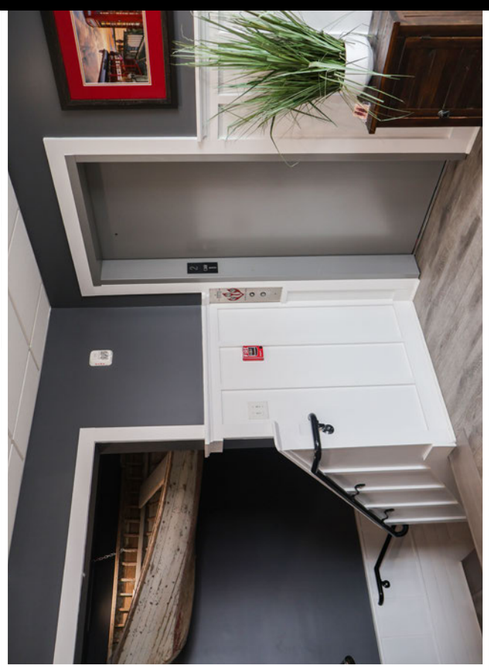
The partner you want at the table, not just another online resource.

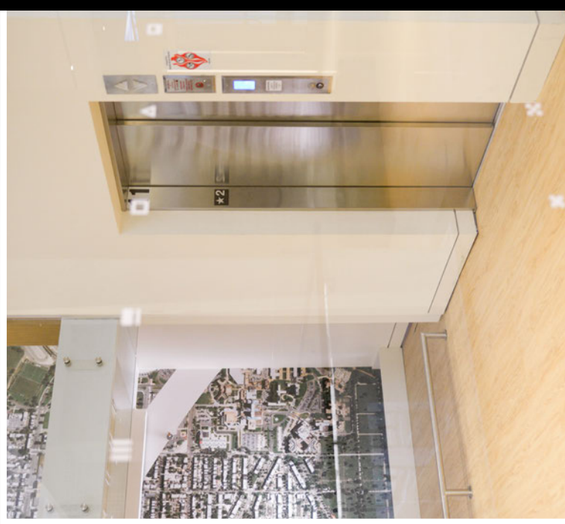
Where You'll Find Us

National Gallery of Art ★ Museum of the Bible ★ Grand Coulee Dam ★ Washington Monument ★ Steven F. Udvar-Hazy Center ★ National Museum of the American Indian ★ NASA Exploration Science Center ★ Kennedy Space Center ★ NASA Launch Sites ★ 35 Hudson Yards Skyscraper ★ The REACH, at the Kennedy Center for Performing Arts ★ The United States Mint, Philadelphia ★ Marine Corps Base Camp Pendleton ★ The Eliza at 4790 Broadway ★ Brooklyn Army Terminal ★ Ellis Island ★ Ford BlueOval SK Battery Park ★ Honda EV Facility ★ Bronx Logistics Center ★ 683 Court Street, Red Hook Logistics Center ★ Eisenhower Executive Office Building ★ Dulles Collections Center ★ Lincoln Memorial ★ USPS Facilities ★ Walter Reed National Military Medical Center ★ Lexus of Manhattan ★ Philadelphia Naval Shipyard ★ Beebe Healthcare ★ Children's National Hospital ★ Baltimore County Public Schools ★ TidalHealth Peninsula Regional Medical Center ★ District of Columbia Public Schools ★ Eli Lilly and Company Pharmaceuticals ★ Miami-Dade County Courthouse ★ Jackson Memorial Hospital ★ Washington Navy Yard ★ Riverwalk Luxury Apartments & Retail on John F. Kennedy Boulevard, Philadelphia ★ Puget Sound Naval Shipyard ★ Norfolk Naval Shipyard ★ Kent County Circuit Court ★ The Ross Apartments ★ State of Maryland District Court & Multi-Service Center ★ The Floridian, Miami ★ Hamilton County Courthouse ★ The Atlantic at 260 S. Broad Street, Philadelphia ★ Air Force Academy Falcon Stadium ★ University of Louisville Novak Center for Children's Health ★ FUJIFILM Diosynth Biotechnologies Facilities ★ New Jersey Turnpike Authority ★ Niagara Frontier Transportation Authority ★ Washington Metropolitan Area Transit Authority ★ Southeastern Pennsylvania Transportation Authority ★ New York City Metropolitan Transportation Authority ★ Wake County Courthouse ★ Delaware Memorial Bridge ★ 55 Water Street Business Center ★ Georgia-Pacific Facilities ★ University of Birmingham ★ Salisbury University ★ West Virginia University ★ Towson University ★ Carnegie Mellon University ★ Salisbury City Center ★ University of Maryland ★ George Washington University ★ University of Delaware ★ St. Elizabeths Hospital ★ Federal Drug Administration Facilities ★ Christiana Hospital ★ National Institutes of Health ★ Old Patent Office Building ★ US Naval Academy ★ Naval Air Warfare Center ★ Amtrak Philadelphia Train Station ★ E. Barrett Prettyman United States Court House ★ Joint Base Anacostia, Bolling MPF ★ Department of the Army Corps of Engineers Facilities ★ National Institute of Standards and Testing ★ National Archives Building ★ Anne Arundel County Courthouse ★ Prince George's County Office of Central Services ★ National Ground Intelligence Facilities ★ James Senate Office Building ★ NASA Cape Canaveral Air Station ★ Cavalier Air Station ★ Patuxent Naval Air Station ★ Cavalier Air Force Base ★ United States Embassy Facilities ★ Wor-Wic Community College ★ Residence Inn by Marriott

DEM Elevating Equipment



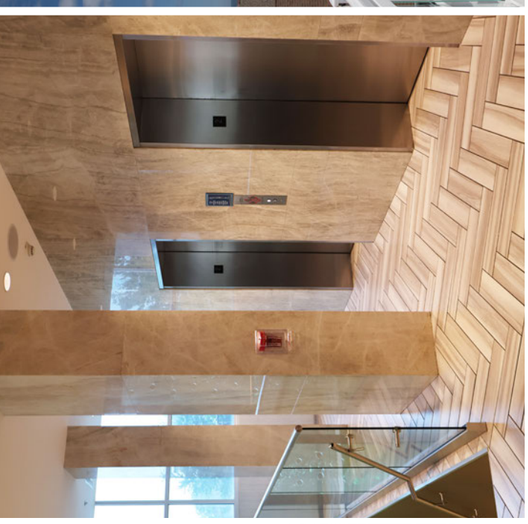




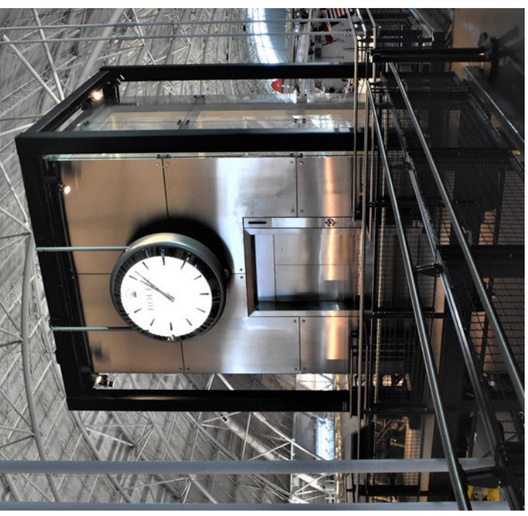




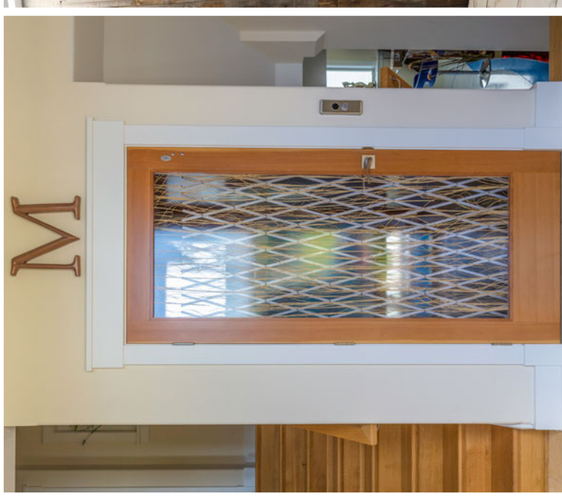


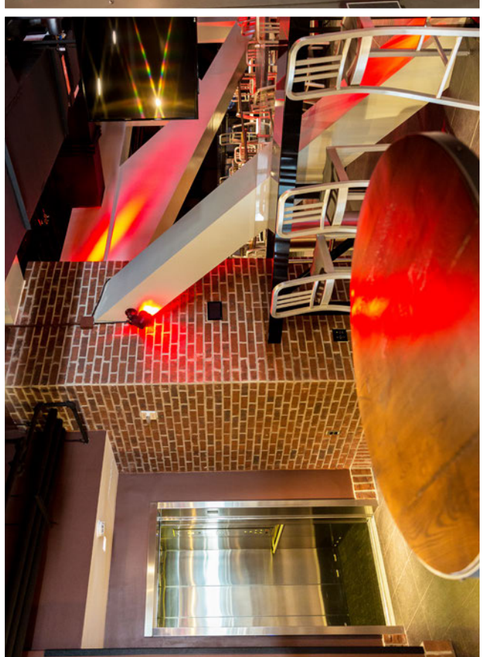


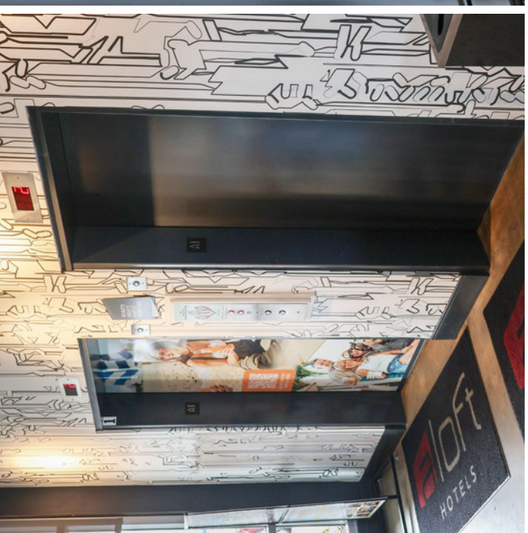






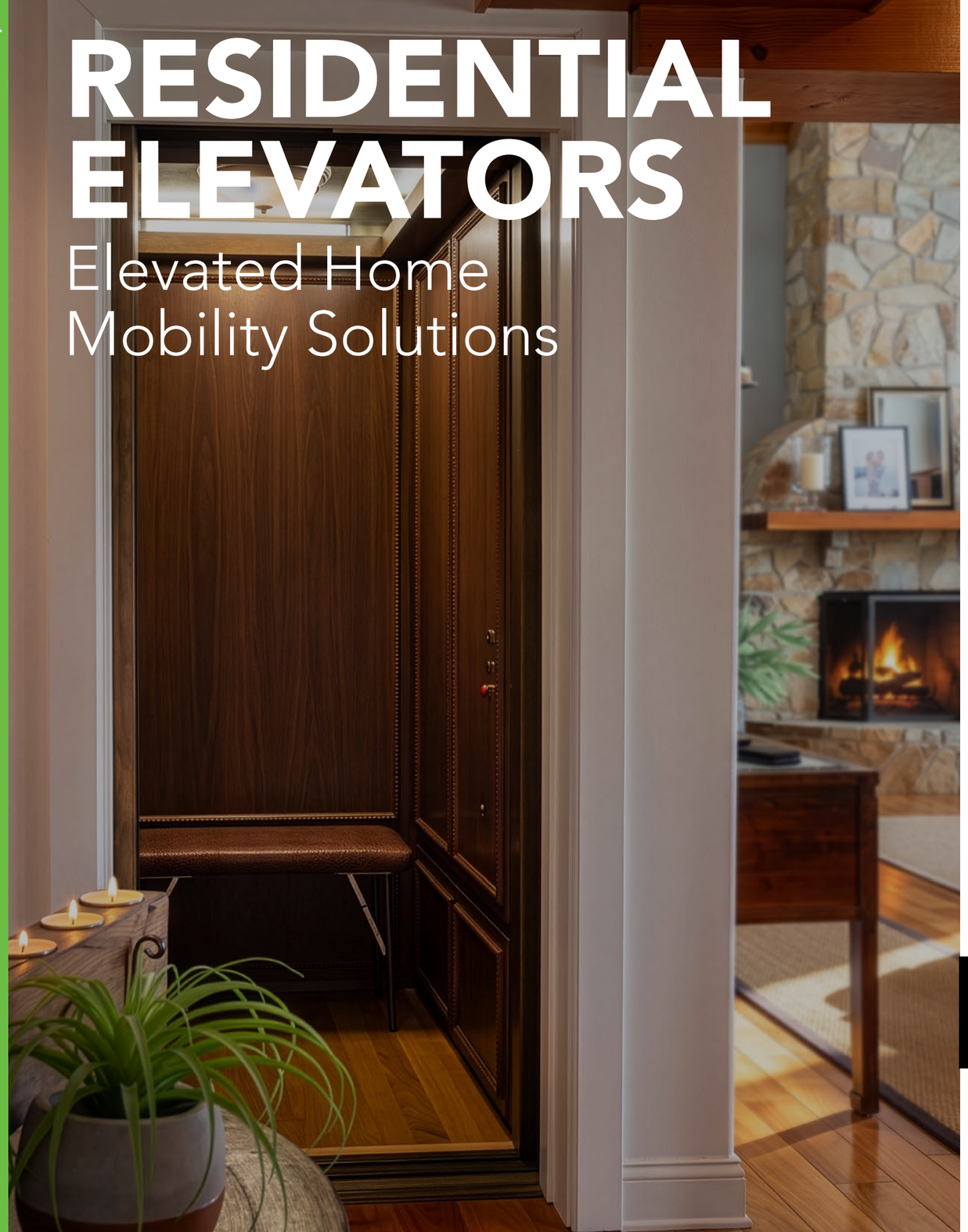








DEM Elevating Equipment



RESIDENTIAL ELEVATORS

Elevated Home Mobility Solutions

Why Choose DEM EE Residential?

We build residential elevators that help you provide homeowners, builders, and general contractors with a dependable mobility solution that fits naturally into the home. Our elevators support accessibility and aging in place while delivering the comfort, appearance, and performance today's homeowners expect.

Custom Interiors
We offer a variety of interior options that allow you and your customers to create an elevator that complements the style of the home. From finishes and fixtures to custom design details, our team will help bring the homeowner's vision to life.

Built With Safety in Mind
Safety is at the center of every residential elevator we manufacture. We build our equipment to provide homeowners and their families with confidence and peace of mind during everyday use.

Compact Footprints
Our residential elevators are designed to provide greater mobility without taking up unnecessary space. Their compact footprints give you more flexibility when planning new homes or incorporating an elevator into an existing layout.

Made in the USA
We proudly manufacture our residential elevator equipment in Salisbury, Maryland. Our in-house capabilities allow us to maintain control over quality while providing contractors with responsive support throughout the process.

Smooth, Comfortable Rides
We engineer our residential elevators to deliver smooth, quiet, and comfortable travel between floors. The result is a refined experience that makes everyday movement throughout the home easier and more enjoyable.

Designed for Aging in Place
A residential elevator allows homeowners to plan for the future without giving up the home they love. We help you provide a practical mobility solution that supports independence, improves access between floors, and adds lasting value to the home.

Sophisticated residential elevator designs to meet specific aesthetics and your client's mobility goals.

Residential

DEM AURA™ SERIES

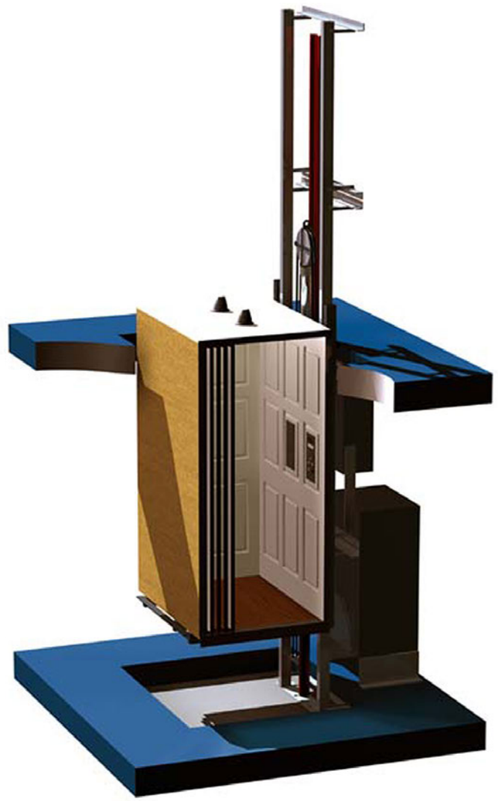
RESIDENTIAL ELEVATORS

Where Comfort Meets Mobility.

Our Aura Series combines comfortable mobility with thoughtful design, giving you the flexibility to offer an elevator that feels at home in any residence. Choose from our Classic, Contemporary, Craftsman, Magnolia, Shaker, and Heritage styles, each designed to complement a range of interiors. For projects that call for something truly unique, we can create a completely custom, one-of-a-kind cab with nearly unlimited color options, laminates, beautiful wood selections, and personalized details.

Equipment Overview

Characteristics	
Capacity	Up to 950 lb
Travel	Up to 6 stops with 50 ft of floor to floor travel
Speed	40 FPM nominal car speed
Pit Depth	Minimum 10″ (12″ recommended)
Overhead Clearance	Minimum 8′-0″ (9′-6″ recommended)
Cab Interior	Up to 15 sq. ft. (12 sq. ft. standard)



Benefits
- Capacity options up to 950 lbs
- Supports mobility, independence, and aging in place
- Compact footprint for greater design flexibility
- Multiple standard cab styles and fully custom interiors
- Smooth, quiet, and comfortable ride
- Manufactured in the USA with responsive support from our team

Considerations
- Available hoistway space and home layout
- Required pit depth and overhead clearance
- Number of floors and total travel distance
- Door configuration and entry orientation
- Local building codes and permitting requirements
- Electrical and structural requirements
- Accessibility needs of the homeowner
- Interior selections, custom finishes, and project timeline

Equipment
- 1:2 roped hydraulic drive
- Two 3/8-inch-diameter hoist cables
- Single-stage hydraulic piston and cylinder with a self-adjusting seal
- Heavy-duty cantilever car sling with roller guide shoes
- 8 lb./ft. steel T-rail guide system
- 220-volt, single-phase power supply
- Vibration-free submersible pump and motor assembly with a 3 or 5 HP motor
- Two-speed control valve with constant down-speed regulation

Safety Features
- Type “A” instantaneous broken-rope car safety
- Pipe rupture valve
- Upper and lower terminal limit switches
- Top final limit switch
- Slack cable switch
- Emergency cab lighting
- Emergency stop switch in the cab
- Emergency push-button alarm in the cab
- Automatic car-releveling device

Safety Features Continued
- Battery-lowering device
- Emergency manual-lowering valve
- Emergency telephone in the cab
- Solid-panel cab doors with approved safety switches
- Approved electromechanical hoistway door interlocks
- Rubber impact bumper beneath car
- UL and/or CSA-certified electrical and hydraulic devices
- Manufactured in accordance with the ASME A17.1 Safety Code for Elevators and Escalators

Controls & Push-Button Fixtures
- Automatic push-button operation
- Microprocessor-based control system with battery backup
- Illuminated push buttons in the cab and at each landing
- Digital floor-position indicator in the cab
- Automatic cab lighting
- Automatic indicator-light timeout
- Automatic Home Park feature for return to a designated floor
- “Car Here” indicators at each landing
- Low-oil protection timer circuit

Cab Finishes and Accessories
- Wide variety of finishes and additional customization options
- Lexan, aluminum, and solid-panel accordion cab gates available in a variety of options
- Brushed stainless steel cab operating panel, with additional finish options available
- Brushed stainless steel handrail on one side wall, with additional options available

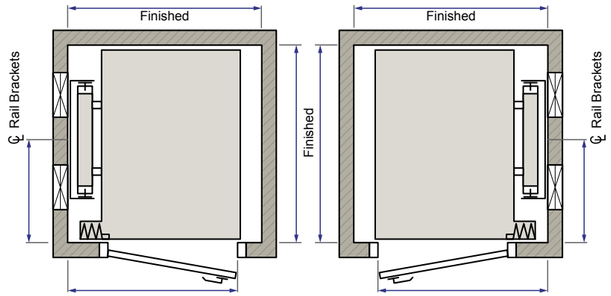
Residential

Residential Hoistway Dimensions

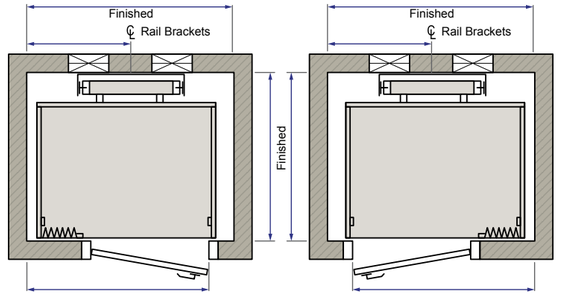
Model	Opening Configuration	Rail Orientation	Clear Hoistway W x D	Area (sq. ft.)
950	In-Line	Left Rail	4′-6″ x 4′-8″	21
950	In-Line	Right Rail	4′-6″ x 4′-8″	21
950	In-Line/Cross Layout	Left Rail	4′-10″ x 4′-5″	21.3
950	In-Line/Cross Layout	Right Rail	4′-10″ x 4′-5″	21.3
950	Front and Rear	Left Rail	4′-6″ x 4′-10″	21.8
950	Front and Rear	Right Rail	4′-6″ x 4′-10″	21.8
950	Adjacent	Left Rail	4′-6″ x 4′-11″	22.1
950	Adjacent	Right Rail	4′-6″ x 4′-11″	22.1
950 MAX	In-Line	Left Rail	4′-6″ x 5′-8″	25.5
950 MAX	In-Line	Right Rail	4′-6″ x 5′-8″	25.5
950 MAX	In-Line/Cross Layout	Left Rail	5′-10″ x 4′-5″	25.8
950 MAX	In-Line/Cross Layout	Right Rail	5′-10″ x 4′-5″	25.8
950 MAX	Front and Rear	Left Rail	4′-6″ x 5′-10″	26.3
950 MAX	Front and Rear	Right Rail	4′-6″ x 5′-10″	26.3
950 MAX	Adjacent	Left Rail	4′-6″ x 5′-11″	26.6
950 MAX	Adjacent	Right Rail	4′-6″ x 5′-11″	26.6

Preliminary planning reference only. Confirm all dimensions against the project-specific approved layout drawings and local code requirements before construction.

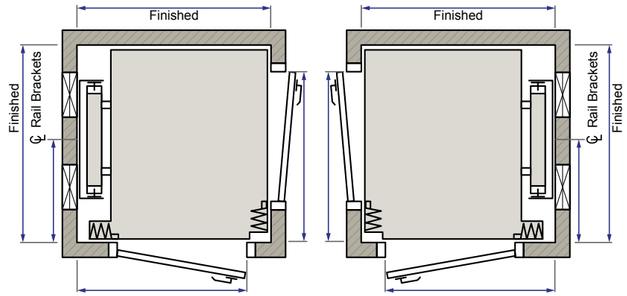
Hoistway Configurations



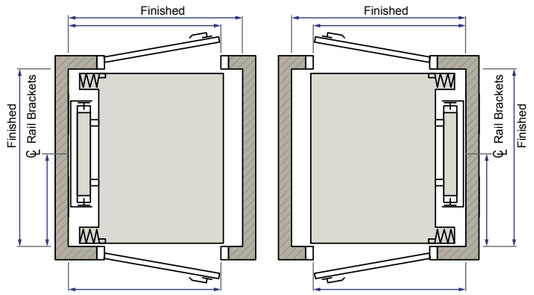
In-Line Configuration



In-Line / Cross Layout Configuration



Adjacent Configuration



Front and Rear Configuration

Residential

DEM **AURA SERIES, Classic Line**





Melamine

Our most durable panel design is available in a variety of solid and textured finishes to meet your client's needs.

Paint Grade

This MDF-veneered plywood cab provides a durable, paint-ready surface without compromising structural integrity. It can be finished in nearly any color to complement the home.

Selections



Unlimited Color Options



DEM **AURA SERIES, Contemporary Line**





Wood Veneer

This paneled cab is available in a variety of hardwood veneers. It can feature a natural finish or be stained and clear-coated to achieve your client's desired look.

Colonial

This cab features raised trim detailing that brings a traditional, finished look to the interior. It is available in a variety of paint colors to complement the style of the home.

Selections



Unlimited Color Options



Residential

DEM **AURA SERIES, Craftsman Line**



Magnolia
Shiplap detailing gives this cab a warm, modern farmhouse feel. A wide range of paint colors allows you to tailor the design to your customer's home.



Shaker
Our most requested cab combines clean lines, timeless style, and quality craftsmanship. Its simple, versatile design can be painted to complement your customer's personal style.

Unlimited Color Options





Heritage
Our most distinguished cab features handcrafted recessed panels made from a selection of natural wood veneers. A range of stains and custom finishes allows you to create an elegant interior that complements the character of the home.

Selections





Fully Custom Interiors
When a project calls for something truly unique, we can design and manufacture a completely custom cab interior. Our team will work with you to select materials, finishes, lighting, and architectural details that bring your customer's vision to life.

Residential

Fixture Options

We offer modern fixture solutions designed specifically for residential elevators. Clean aesthetics, code-compliant designs, and straightforward installation make them a dependable choice for new construction and modernization projects.

Stainless Steel, Black, White, and Gold Color Options

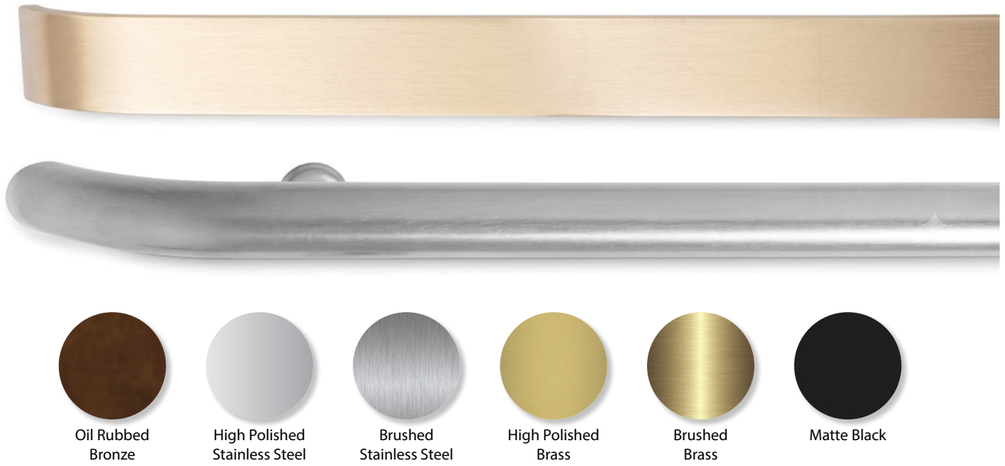


Key Features

- Plug-and-play installation
- Backward compatible with existing systems
- Optional position indicator with white or red display
- Integrated emergency telephone
- Stop button compliant with ASME A17.1
- Optional “Car Here” indicator for hall stations

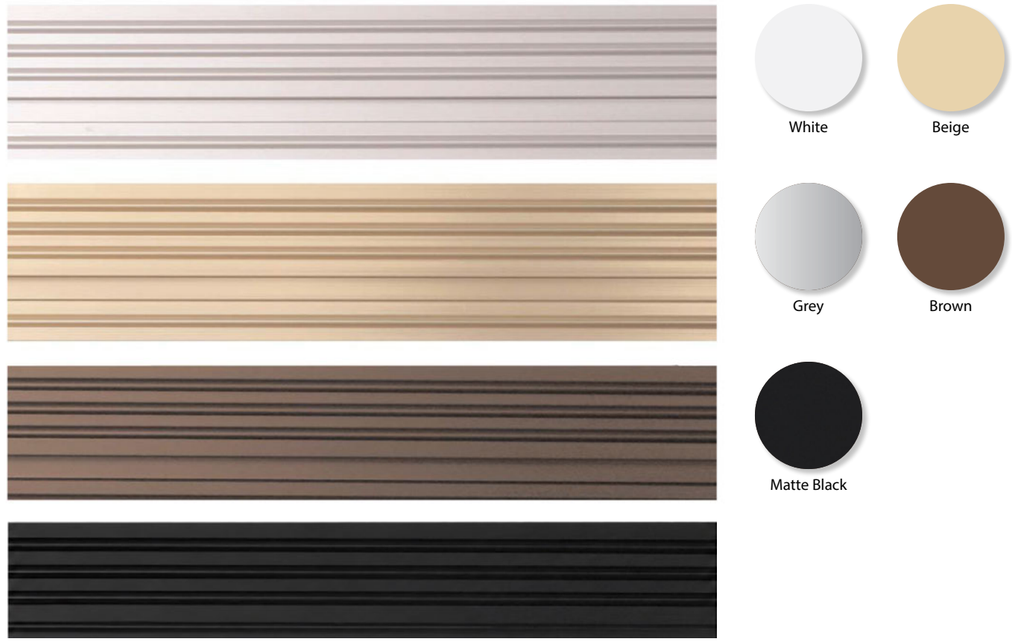
Handrails

Our handrails are available in a variety of styles and finishes to complement your cab interior.



Gate Sills/Connectors

Choose a variety of gate sill and connector colors and finishes to coordinate with your home’s décor.

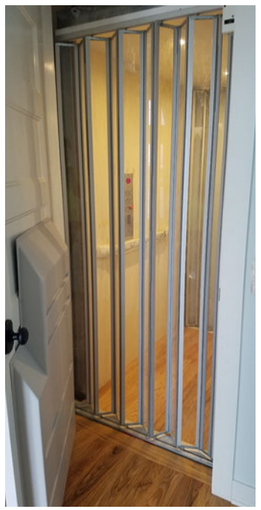


Residential

Gate Options



Scissor Gate



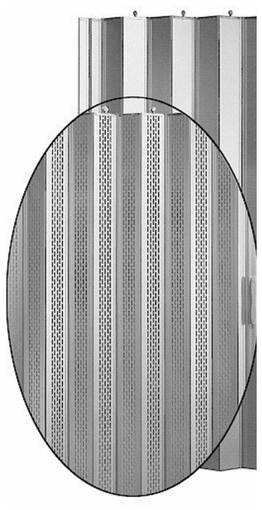
Accordion
Full Vision Gate



Sliding Good Gate



Accordion
Vinyl Gate



Perforated Gate

Vinyl Laminate Options



Vinyl Woodgrain Options



Wood Veneer Options (Upgrade)

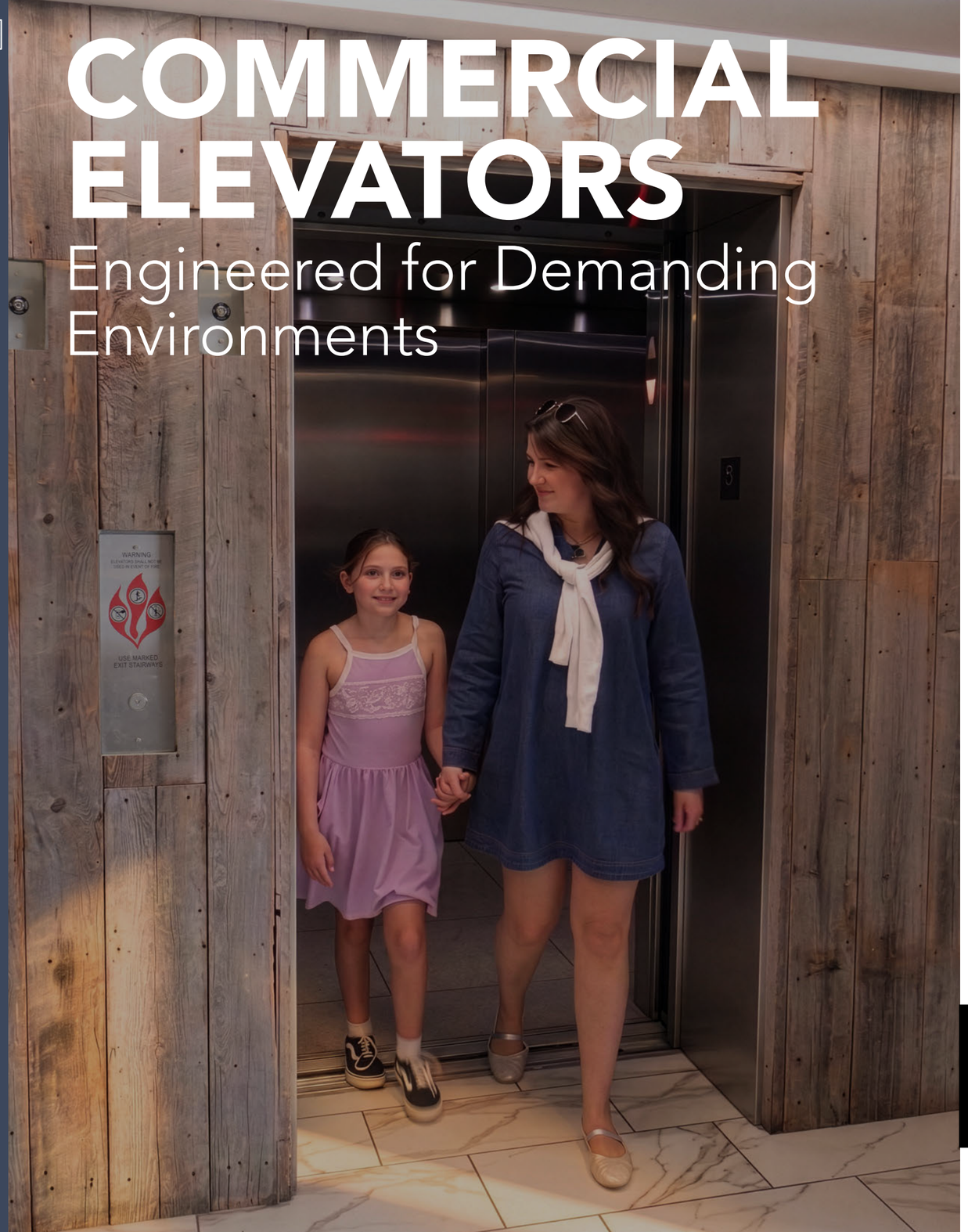




Residential

COMMERCIAL ELEVATORS

Engineered for Demanding Environments



Why Choose DEM EE Commercial Elevators?

We design and manufacture dependable, nonproprietary commercial elevator equipment that gives you the flexibility to meet a wide range of project requirements. From standard packages to custom applications, our team provides the hands-on engineering support, responsive service, and American-made quality you need to bring each project to life.

DEM VISTA SERIES

LULA Elevators
Accessibility, elevated.

Inspired by the idea of opening new possibilities, Vista represents accessible, space-conscious vertical transportation designed to help more people move confidently through every building.

Available Configurations
- Standard LULA

DEM AXIS SERIES

Hydraulic Passenger Elevators
Precision under pressure.

Symbolizes the central force and stability behind dependable hydraulic elevator performance.

Available Configurations
- In-Ground
- Twin-Jack Holeless
- Machine Room-Less

DEM FORTIS SERIES

Hydraulic Freight Elevators
Engineered to endure.

Uncompromising strength, durability, and reliability for demanding environments.

Available Configurations
- Hydraulic In-Ground
- Hydraulic Holeless
- Traction Options Available Upon Request

DEM STRATA SERIES

Machine Room-Less Elevators
Maximum performance, minimum footprint.

Represents the pinnacle of modern elevator technology, delivering maximum performance with minimal footprint.

Available Configurations
- Rail-Supported
- Building-Supported
- Frame Building-Supported
- Overslung/Cornerpost
- Belted
- Coated Rope

DEM OMNI SERIES

Overhead Traction Elevators
Versatility without limits.

Omni is a unified traction platform engineered to deliver consistent, reliable performance across a wide range of building types and applications.

Available Configurations
- Geared
- Gearless

We combine hands-on engineering, American manufacturing, and personal service to bring your most challenging elevator projects to life.

Commercial

DEM VISTA™ SERIES

LULA ELEVATORS

Accessibility, elevated.

Our Vista limited-use, limited-application elevator provides a practical, space-conscious accessibility solution for low-rise commercial projects. Proudly manufactured in the USA, it delivers dependable performance while meeting applicable code requirements. From planning and equipment selection through manufacturing, our team works with you to keep the process moving and bring the right solution to your project.

Standard Equipment Capabilities

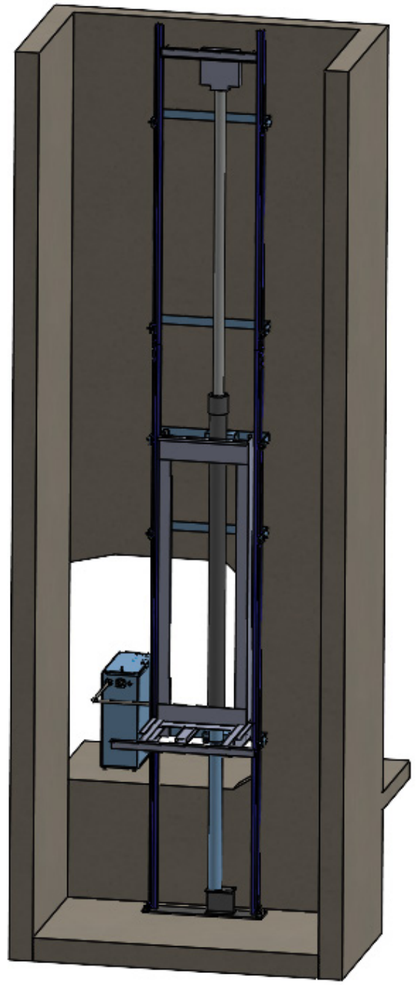
Capacity	1400 lb
Travel	Up to 25′
Speed	30 FPM

Benefits

- Compact hoistway, overhead, and pit requirements
- Cost-effective solution
- Straightforward installation

Considerations

- This is a standardized application with capacity, speed, and travel limitations

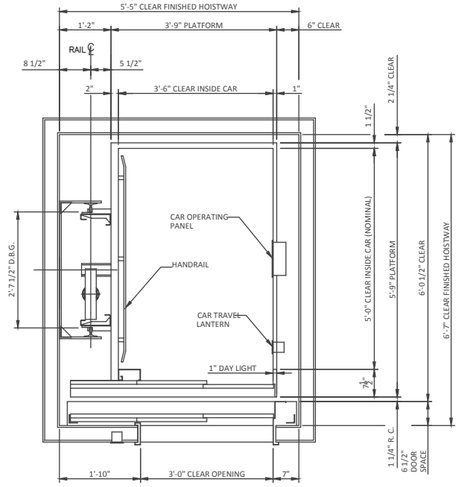


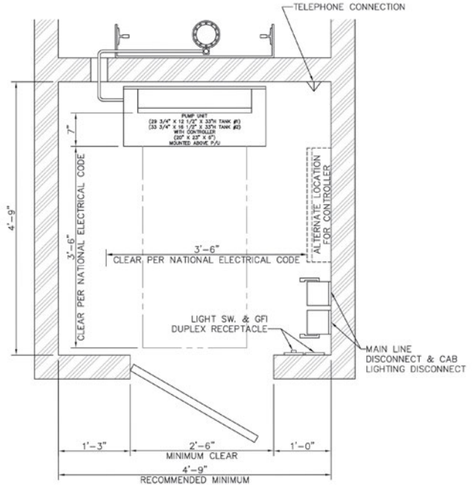
Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening						
LP1400-FO	5′- 5″ X 6′-7″	3′-9″ X 5′-9″	3′-6″ X 5′-0″	3′-0″	–	✓
LP1400-FO	5′- 11″ X 6′-1″	4′-3″ X 6′-3″	4′-0″ X 4′-6″	3′-0″	–	✓
Front & Rear Opening						
LP1400-FR	5′- 5″ X 7′-6 1/2″	3′-9″ X 6′-3″	3′-6″ X 5′-0″	3′-0″	–	✓
LP1400-FR	5′-11″ X 7′-0 1/2″	4′-3″ X 5′-9″	4′-0″ X 4′-6″	3′-0″	–	✓
Front & Side Opening						
LP1400-FS	6′ -0 3/4″ X 6′-10 1/2″	4′-3″ X 5′-9 1/2″	3′-6″ X 5′-0″	3′-0″ / 3′-6″	–	✓

Requirements	
Minimum pit depth	14″
Minimum overhead	11′-2″
Hydraulic machine room required	✓

Based on a 7′-0″ Cab height

Machine Room





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Commercial

DEM AXIS™ SERIES

HYDRAULIC PASSENGER ELEVATORS

Precision under pressure.

Hydraulic In-Ground

Our in-ground hydraulic elevator is a proven solution built for dependable, long-term performance. A single hydraulic jack is installed directly beneath the platform and protected from ground conditions by a sealed PVC liner. This traditional configuration provides a straightforward and reliable option for a wide range of commercial applications.

Standard Equipment Capabilities

Capacity	2,100 – 10,000 lb
Travel	Typical up to 60’
Speed	Up to 150 FPM

Benefits

- Lower material cost than other elevator configurations
- Simple, straightforward installation
- Available for both low and high capacity applications
- Typically accommodates standard pit and overhead dimensions, even for projects with multiple landings

Considerations

- The hydraulic jack must extend underground approximately the same distance as the elevator’s travel
- Drilling costs may vary based on soil and ground conditions
- Although a sealed PVC liner protects the cylinder from the surrounding soil, underground oil contamination remains a potential risk
- Seismic regions may have a greater risk of cylinder damage and oil contamination



	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7’-4” x 5’-10”	6’-0” x 5’-1”	5’-8” x 4’-3”	3’-0”	✓	–
	P2500-FO	8’-4” x 5’-10”	7’-0” x 5’-1”	6’-8” x 4’-3”	3’-6”	✓	–
	P3000-FO	8’-4” x 6’-3”	7’-0” x 5’-6”	6’-8” x 4’-8”	3’-6”	✓	–
	P3500-FO	8’-4” x 7’-0”	7’-0” x 6’-3”	6’-8” x 5’-5”	3’-6”	✓	–
	P4000-FO	9’-4” x 7’-0”	8’-0” x 6’-3”	7’-8” x 5’-5”	4’-0”	✓	–
SERVICE PASSENGER	S3500-FO	6’-8” x 9’-3”	5’-4” x 8’-4”	5’-0” x 7’-4”	3’-6”	–	✓
	S4000-FO	7’-4” x 9’-3”	6’-0” x 8’-5”	5’-8” x 7’-5”	4’-0”	–	✓
	S4500-FO	7’-4” x 9’-7”	6’-0” x 8’-9”	5’-8” x 7’-9”	4’-0”	–	✓
	S5000-FO	7’-4” x 10’-7”	6’-0” x 9’-8”	5’-8” x 8’-8”	4’-0”	–	✓
HIGH CAPACITY PASSENGER	HC6000-FO	8’-6” x 10’-7”	7’-0” x 9’-8”	6’-8” x 8’-8”	4’-6”	–	✓
	HC7000-FO	9’-6” x 10’-2”	8’-0” x 9’-4”	7’-8” x 8’-4”	4’-6”	–	✓
	HC8000-FO	9’-10” x 10’-10”	8’-4” x 10’-0”	8’-0” x 9’-0”	5’-0”	–	✓
	HC9000-FO	9’-10” x 11’-6”	8’-4” x 10’-8”	8’-0” x 9’-8”	5’-0”	–	✓
	HC10000-FO	9’-10” x 12’-10”	8’-4” x 12’-0”	8’-0” x 11’-0”	5’-0”	–	✓
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7’-4” x 6’-8 1/2”	6’-0” x 5’-8”	5’-8” x 4’-4”	3’-0”	✓	–
	P2500-FR	8’-4” x 6’-8 1/2”	7’-0” x 5’-8”	6’-8” x 4’-4”	3’-6”	✓	–
	P3000-FR	8’-4” x 6’-11 1/2”	7’-0” x 5’-11”	6’-8” x 4’-7”	3’-6”	✓	–
	P3500-FR	8’-4” x 7’-9 1/2”	7’-0” x 6’-9”	6’-8” x 5’-5”	3’-6”	✓	–
	P4000-FR	9’-4” x 7’-9 1/2”	8’-0” x 6’-9”	7’-8” x 5’-5”	4’-0”	✓	–
SERVICE PASSENGER	S3500-FR	6’-8” x 10’-3 1/2”	5’-4” x 9’-0”	5’-0” x 7’-4”	3’-6”	–	✓
	S4000-FR	7’-4” x 10’-4 1/2”	6’-0” x 9’-1”	5’-8” x 7’-5”	4’-0”	–	✓
	S4500-FR	7’-4” x 10’-9 1/2”	6’-0” x 9’-6”	5’-8” x 7’-10”	4’-0”	–	✓
	S5000-FR	7’-4” x 11’-7 1/2”	6’-0” x 10’-4”	5’-8” x 8’-8”	4’-0”	–	✓
HIGH CAPACITY PASSENGER	HC6000-FR	8’-6” x 11’-7 1/2”	7’-0” x 10’-4”	6’-8” x 8’-8”	4’-6”	–	✓
	HC7000-FR	9’-6” x 11’-3 1/2”	8’-0” x 10’-0”	7’-8” x 8’-4”	4’-6”	–	✓
	HC8000-FR	9’-10” x 11’-11 1/2”	8’-4” x 10’-8”	8’-0” x 9’-0”	5’-0”	–	✓
	HC9000-FR	9’-10” x 12’-7 1/2”	8’-4” x 11’-4”	8’-0” x 9’-8”	5’-0”	–	✓
	HC10000-FR	9’-10” x 13’-11 1/2”	8’-4” x 12’-8”	8’-0” x 11’-0”	5’-0”	–	✓

Requirements	
Minimum pit depth	4’-0”
Minimum overhead	12’-6”
Hydraulic machine room required	✓

Based on an 8’-0” Cab height

Need a Custom Configuration?

Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

Hoistway dimensions shown are not for final construction purposes. National & Local code years and variations may affect sizes shown. All dimensions should be verified with DEM Elevating Equipment prior to construction.

Commercial

DEM AXIS™ SERIES

HYDRAULIC PASSENGER ELEVATORS

Precision under pressure.

Hydraulic Twin-Jack Holeless

This configuration uses two hydraulic jacks positioned between the platform and hoistway walls, eliminating the need for an underground jack. Single-stage jacks are typically used for two-stop applications with up to 14 feet of travel, while two-stage jacks can accommodate approximately 28 to 30 feet of travel and three to four stops. Three-stage telescopic jacks are available upon request for higher-travel applications.

Standard Equipment Capabilities

Capacity	2,100 – 10,000 lb
Typical Travel	
Single-Stage Holeless	Up to 15′
Two-Stage Telescopic Holeless	Up to 30′
Three-Stage Telescopic Holeless	Up to 40′
Speed	Up to 150 FPM

Benefits

- Above-ground jacks eliminate jack-hole drilling and reduce the risk of oil contamination
- Accommodates both low and high-capacity applications

Considerations

- Typically limited to two to four-stop applications
- Extended overhead may be required based on travel
- High-capacity applications may require a wider hoistway than an in-ground configuration



	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7′-4″ x 5′-10″	6′-0″ x 5′-1″	5′-8″ x 4′-3″	3′-0″	✓	–
	P2500-FO	8′-4″ x 5′-10″	7′-0″ x 5′-1″	6′-8″ x 4′-3″	3′-6″	✓	–
	P3000-FO	8′-4″ x 6′-3″	7′-0″ x 5′-6″	6′-8″ x 4′-8″	3′-6″	✓	–
	P3500-FO	8′-4″ x 7′-0″	7′-0″ x 6′-3″	6′-8″ x 5′-5″	3′-6″	✓	–
	P4000-FO	9′-6″ x 7′-0″	8′-0″ x 6′-3″	7′-8″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FO	6′-10″ x 9′-3″	5′-4″ x 8′-4″	5′-0″ x 7′-4″	3′-6″	–	✓
	S4000-FO	7′-6″ x 9′-3″	6′-0″ x 8′-5″	5′-8″ x 7′-5″	4′-0″	–	✓
	S4500-FO	7′-6″ x 9′-7″	6′-0″ x 8′-9″	5′-8″ x 7′-9″	4′-0″	–	✓
	S5000-FO	7′-6″ x 10′-7″	6′-0″ x 9′-8″	5′-8″ x 8′-8″	4′-0″	–	✓
HIGH CAPACITY PASSENGER	HC6000-FO	8′-8″ x 10′-7″	7′-0″ x 9′-8″	6′-8″ x 8′-8″	4′-6″	–	✓
	HC7000-FO	9′-8″ x 10′-2″	8′-0″ x 9′-4″	7′-8″ x 8′-4″	4′-6″	–	✓
	HC8000-FO	10′-4″ x 10′-10″	8′-4″ x 10′-0″	8′-0″ x 9′-0″	5′-0″	–	✓
	HC9000-FO	10′-4″ x 11′-6″	8′-4″ x 10′-8″	8′-0″ x 9′-8″	5′-0″	–	✓
	HC10000-FO	10′-4″ x 12′-10″	8′-4″ x 12′-0″	8′-0″ x 11′-0″	5′-0″	–	✓
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7′-4″ x 6′-8 1/2″	6′-0″ x 5′-8″	5′-8″ x 4′-4″	3′-0″	✓	–
	P2500-FR	8′-4″ x 6′-8 1/2″	7′-0″ x 5′-8″	6′-8″ x 4′-4″	3′-6″	✓	–
	P3000-FR	8′-4″ x 6′-11 1/2″	7′-0″ x 5′-11″	6′-8″ x 4′-7″	3′-6″	✓	–
	P3500-FR	8′-4″ x 7′-9 1/2″	7′-0″ x 6′-9″	6′-8″ x 5′-5″	3′-6″	✓	–
	P4000-FR	9′-6″ x 7′-9 1/2″	8′-0″ x 6′-9″	7′-8″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FR	6′-10″ x 10′-3 1/2″	5′-4″ x 9′-0″	5′-0″ x 7′-4″	3′-6″	–	✓
	S4000-FR	7′-6″ x 10′-4 1/2″	6′-0″ x 9′-1″	5′-8″ x 7′-5″	4′-0″	–	✓
	S4500-FR	7′-6″ x 10′-9 1/2″	6′-0″ x 9′-6″	5′-8″ x 7′-10″	4′-0″	–	✓
	S5000-FR	7′-6″ x 11′-7 1/2″	6′-0″ x 10′-4″	5′-8″ x 8′-8″	4′-0″	–	✓
HIGH CAPACITY PASSENGER	HC6000-FR	8′-8″ x 11′-7 1/2″	7′-0″ x 10′-4″	6′-8″ x 8′-8″	4′-6″	–	✓
	HC7000-FR	9′-8″ x 11′-3 1/2″	8′-0″ x 10′-0″	7′-8″ x 8′-4″	4′-6″	–	✓
	HC8000-FR	10′-4″ x 11′-11 1/2″	8′-4″ x 10′-8″	8′-0″ x 9′-0″	5′-0″	–	✓
	HC9000-FR	10′-4″ x 12′-7 1/2″	8′-4″ x 11′-4″	8′-0″ x 9′-8″	5′-0″	–	✓
	HC10000-FR	10′-4″ x 13′-11 1/2″	9′-4″ x 12′-8″	8′-0″ x 11′-0″	5′-0″	–	✓

Requirements	
Minimum pit depth	4′-0″
Minimum overhead	12′-6″
Hydraulic machine room required	✓

Based on an 8′-0″ Cab height

*Overhead may vary depending on jack type as travel increases

Need a Custom Configuration?

Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

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Commercial

DEM AXIS™ SERIES

HYDRAULIC PASSENGER ELEVATORS

Precision under pressure.

Hydraulic MRL

The AXIS Hydraulic MRL combines proven hydraulic performance with a space-saving design for low-rise passenger applications.

Standard Equipment Capabilities

Capacity	2,100 – 4,000 lb
Typical Travel	Up to 30’
Speed	Up to 125 FPM

Benefits

- Space Efficient: Eliminates the traditional machine room
- Proven Technology: Reliable, service-friendly hydraulic operation
- Flexible Openings: Front or front & rear configurations available
- Low Overhead: Minimum overhead of 12'-6"

Considerations

- Pit Depth: Minimum 4'-0"
- Hoistway Access: Side or rear access door required
- Hoistway and car dimensions vary by capacity and opening configuration
- Consult DEM for project-specific requirements



	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7’-11” x 5’-10”	6’-0” x 5’-1”	5’-8” x 4’-3”	3’-0”	✓	–
	P2500-FO	8’-11” x 5’-10”	7’-0” x 5’-1”	6’-8” x 4’-3”	3’-6”	✓	–
	P3000-FO	8’-11” x 6’-3”	7’-0” x 5’-6”	6’-8” x 4’-8”	3’-6”	✓	–
	P3500-FO	8’-11” x 7’-0”	7’-0” x 6’-3”	6’-8” x 5’-5”	3’-6”	✓	–
	P4000-FO	9’-11” x 7’-0”	8’-0” x 6’-3”	7’-8” x 5’-5”	4’-0”	✓	–
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7’-11” x 6’-8 1/2”	6’-0” x 5’-8”	5’-8” x 4’-4”	3’-0”	✓	–
	P2500-FR	8’-11” x 6’-8 1/2”	7’-0” x 5’-8”	6’-8” x 4’-4”	3’-6”	✓	–
	P3000-FR	8’-11” x 6’-11 1/2”	7’-0” x 5’-11”	6’-8” x 4’-7”	3’-6”	✓	–
	P3500-FR	8’-11” x 7’-9 1/2”	7’-0” x 6’-9”	6’-8” x 5’-5”	3’-6”	✓	–
	P4000-FR	9’-11” x 7’-9 1/2”	8’-0” x 6’-9”	7’-8” x 5’-5”	4’-0”	✓	–

Requirements	
Minimum pit depth	4’-0”
Minimum overhead	12’-6”
Access door on the side or rear of the hoistway is required.	

Based on an 8’-0” Cab height

*Overhead may vary depending on jack type as travel increases

Need a Custom Configuration?

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Commercial

DEM FORTIS™ SERIES

HYDRAULIC FREIGHT ELEVATORS

Engineered to endure.

Hydraulic Freight Elevators

We design our freight elevators around the specific loading and operational needs of each building. Standard sizes are provided for preliminary planning, but our team can customize the capacity, platform, entrances, and equipment configuration to meet the project's requirements.

Standard Equipment Capabilities

Capacity	
Class A & C	4,000 – 20,000 lb
Class B	8,000 – 10,000 lb
Typical Travel	
In-Ground	Up to 60′
Twin-Jack Holeless	Up to 40′
Speed	Up to 150 FPM



Class A: General Freight Loading
- For general freight where no single item, including a loaded hand truck, exceeds 25% of the elevator's rated capacity

Class B: Motor Vehicle Loading
- Designed to transport automobiles, trucks, buses, and other passenger vehicles
- Minimum loading: 30 lb./sq. ft. (145 kg/m²)

Class C1: Industrial Truck Loading
- The industrial truck travels with the load. The combined weight of the truck and load may exceed 25% of rated capacity but cannot exceed the elevator's total rated capacity
- Minimum loading: 50 lb./sq. ft. (240 kg/m²)

Class C2: Industrial Truck Loading
- The industrial truck is used to load and unload the elevator but does not travel with it. During loading or unloading, the maximum load on the platform cannot exceed 150% of rated capacity
- Minimum loading: 50 lb./sq. ft. (240 kg/m²)

Class C3: Concentrated Loading
- Used when no industrial truck is involved, but individual load increments exceed 25% of rated capacity. The total carried load cannot exceed the elevator's rated capacity
- Minimum loading: 50 lb./sq. ft. (240 kg/m²)

	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	Bi-Part
In-Ground Hydraulic						
Front Opening						
CLASS A & C LOADING	FE4000-FO	7′-8″ x 8′-8″	6′-0″ x 8′-0″	5′-8″ x 7′-5″	5′-8″	✓
	FE5000-FO	8′-10″ x 10′-8″	7′-0″ x 10′-0″	6′-8″ x 9′-5″	6′-8″	✓
	FE6000-FO	10′-2″ x 10′-8″	8′-4″ x 10′-0″	8′-0″ x 9′-5″	8′-0″	✓
	FE8000-FO	10′-2″ x 12′-8″	8′-4″ x 12′-0″	8′-0″ x 11′-5″	8′-0″	✓
	FE10000-FO	12′-2″ x 14′-8″	10′-4″ x 14′-0″	10′-0″ x 13′-5″	10′-0″	✓
	FE12000-FO	14′-4″ x 16′-8″	12′-4″ x 16′-0″	12′-0″ x 15′-5″	12′-0″	✓
	FE15000-FO	14′-4″ x 18′-8″	12′-4″ x 18′-0″	12′-0″ x 17′-5″	12′-0″	✓
	FE20000-FO	14′-4″ x 20′-8″	12′-4″ x 20′-0″	12′-0″ x 19′-5″	12′-0″	✓
CLASS B MOTOR VEHICLE LOADING	FE8000-FO	11′-2″ x 22′-8″	9′-4″ x 22′-0″	9′-0″ x 21′-2″	9′-0″	✓
	FE10000-FO	12′-2″ x 24′-8″	10′-4″ x 24′-0″	10′-0″ x 23′-2″	10′-0″	✓
Front & Rear Opening						
CLASS A & C LOADING	FE4000-FR	7′-8″ x 8′-10″	6′-0″ x 8′-0″	5′-8″ x 7′-4″	5′-8″	✓
	FE5000-FR	8′-10″ x 10′-10″	7′-0″ x 10′-0″	6′-8″ x 9′-4″	6′-8″	✓
	FE6000-FR	10′-2″ x 10′-10″	8′-4″ x 10′-0″	8′-0″ x 9′-4″	8′-0″	✓
	FE8000-FR	10′-2″ x 12′-10″	8′-4″ x 12′-0″	8′-0″ x 11′-4″	8′-0″	✓
	FE10000-FR	12′-2″ x 14′-10″	10′-4″ x 14′-0″	10′-0″ x 13′-4″	10′-0″	✓
	FE12000-FR	14′-4″ x 16′-10″	12′-4″ x 16′-0″	12′-0″ x 15′-4″	12′-0″	✓
	FE15000-FR	14′-4″ x 18′-10″	12′-4″ x 18′-0″	12′-0″ x 17′-4″	12′-0″	✓
	FE20000-FR	14′-4″ x 20′-10″	12′-4″ x 20′-0″	12′-0″ x 19′-4″	12′-0″	✓
CLASS B MOTOR VEHICLE LOADING	FE8000-FR	11′-2″ x 22′-10″	9′-4″ x 21′-9 1/2″	9′-0″ x 20′-5 1/2″	9′-0″	✓
	FE10000-FR	12′-2″ x 24′-10″	10′-4″ x 23′-9 1/2″	10′-0″ x 22′-5 1/2″	10′-0″	✓
Holeless Hydraulic						
Front Opening						
CLASS A & C LOADING	FE4000-FO	7′-8″ x 8′-8″	6′-0″ x 8′-0″	5′-8″ x 7′-5″	5′-8″	✓
	FE5000-FO	8′-10″ x 10′-8″	7′-0″ x 10′-0″	6′-8″ x 9′-5″	6′-8″	✓
	FE6000-FO	10′-2″ x 10′-8″	8′-4″ x 10′-0″	8′-0″ x 9′-5″	8′-0″	✓
	FE8000-FO	10′-2″ x 12′-8″	8′-4″ x 12′-0″	8′-0″ x 11′-5″	8′-0″	✓
	FE10000-FO	12′-2″ x 14′-8″	10′-4″ x 14′-0″	10′-0″ x 13′-5″	10′-0″	✓
	FE12000-FO	14′-4″ x 16′-8″	12′-4″ x 16′-0″	12′-0″ x 15′-5″	12′-0″	✓
	FE15000-FO	14′-4″ x 18′-8″	12′-4″ x 18′-0″	12′-0″ x 17′-5″	12′-0″	✓
	FE20000-FO	14′-4″ x 20′-8″	12′-4″ x 20′-0″	12′-0″ x 19′-5″	12′-0″	✓
CLASS B MOTOR VEHICLE LOADING	FE8000-FO	11′-2″ x 22′-8″	9′-4″ x 22′-0″	9′-0″ x 21′-2″	9′-0″	✓
	FE10000-FO	12′-2″ x 24′-8″	10′-4″ x 24′-0″	10′-0″ x 23′-2″	10′-0″	✓
Front & Rear Opening						
CLASS A & C LOADING	FE4000-FR	7′-8″ x 8′-10″	6′-0″ x 8′-0″	5′-8″ x 7′-4″	5′-8″	✓
	FE5000-FR	8′-10″ x 10′-10″	7′-0″ x 10′-0″	6′-8″ x 9′-4″	6′-8″	✓
	FE6000-FR	10′-2″ x 10′-10″	8′-4″ x 10′-0″	8′-0″ x 9′-4″	8′-0″	✓
	FE8000-FR	10′-2″ x 12′-10″	8′-4″ x 12′-0″	8′-0″ x 11′-4″	8′-0″	✓
	FE10000-FR	12′-2″ x 14′-10″	10′-4″ x 14′-0″	10′-0″ x 13′-4″	10′-0″	✓
	FE12000-FR	14′-4″ x 16′-10″	12′-4″ x 16′-0″	12′-0″ x 15′-4″	12′-0″	✓
	FE15000-FR	14′-4″ x 18′-10″	12′-4″ x 18′-0″	12′-0″ x 17′-4″	12′-0″	✓
	FE20000-FR	14′-4″ x 20′-10″	12′-4″ x 20′-0″	12′-0″ x 19′-4″	12′-0″	✓
CLASS B MOTOR VEHICLE LOADING	FE8000-FR	11′-2″ x 22′-10″	9′-4″ x 21′-9 1/2″	9′-0″ x 20′-5 1/2″	9′-0″	✓
	FE10000-FR	12′-2″ x 24′-10″	10′-4″ x 23′-9 1/2″	10′-0″ x 22′-5 1/2″	10′-0″	✓

Requirements	
Minimum pit depth	4′-6″
Minimum overhead	14′-6″
Hydraulic machine room required	✓

Based on an 8′-0″ Cab height and 6′-0″ gate

*Overhead may vary depending on jack type as travel increases

Need a Custom Configuration?

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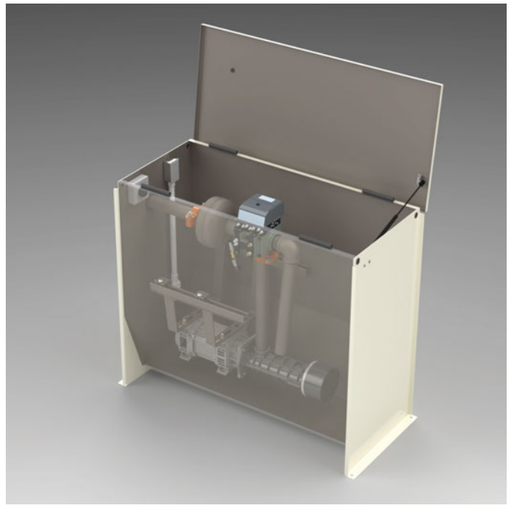
Commercial

Power Units

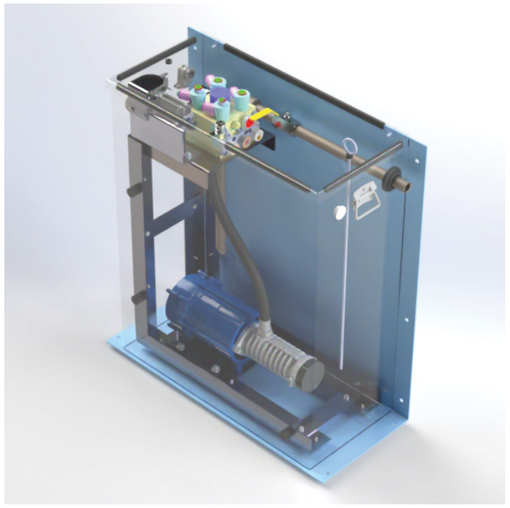
We offer a diverse range of power unit types to suit the needs of your project and specifications.



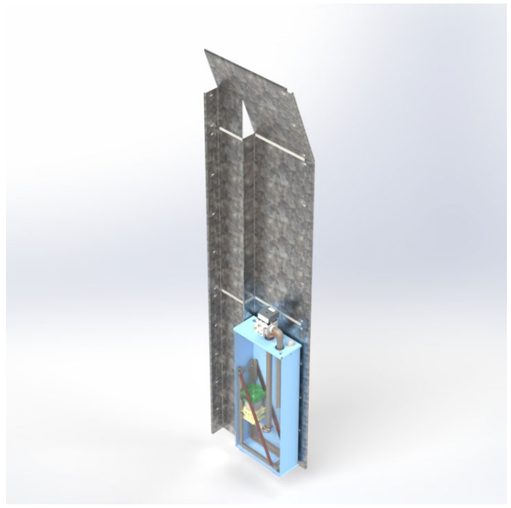
Visit our pump unit configurator to quote your custom power unit!



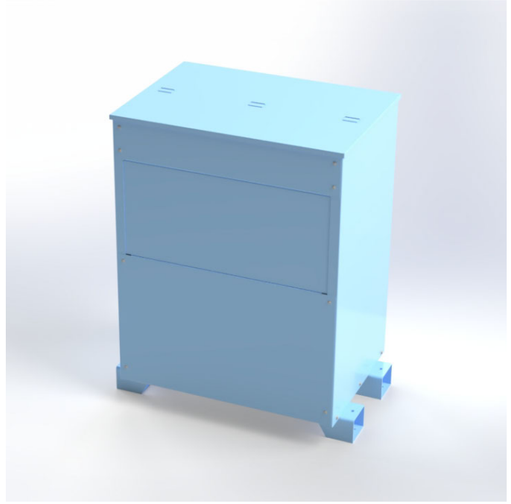
Submersible
Our most common hydraulic power unit for passenger applications, offering a proven standard design with a wide range of options to accommodate project-specific requirements.



LULA/Residential
Standardized hydraulic power units designed for LULA and residential elevator applications, providing a straightforward solution for typical installations.



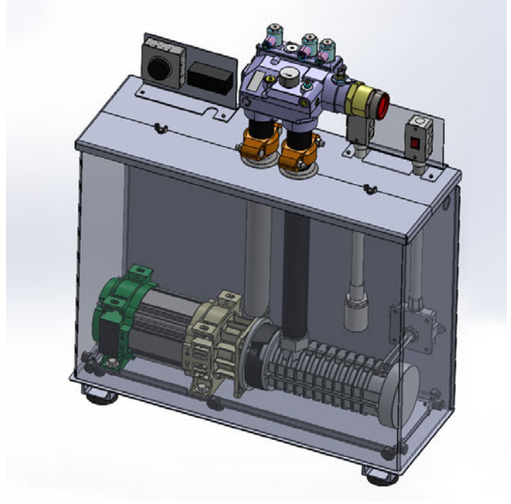
MRL Hydraulic
A submersible hydraulic power unit installed within the hoistway, typically incorporating an access door for service and maintenance while using minimal space.



Dry V-Belt
Designed for higher GPM and heavy-duty applications, with configurable options to meet the specific requirements of the project.



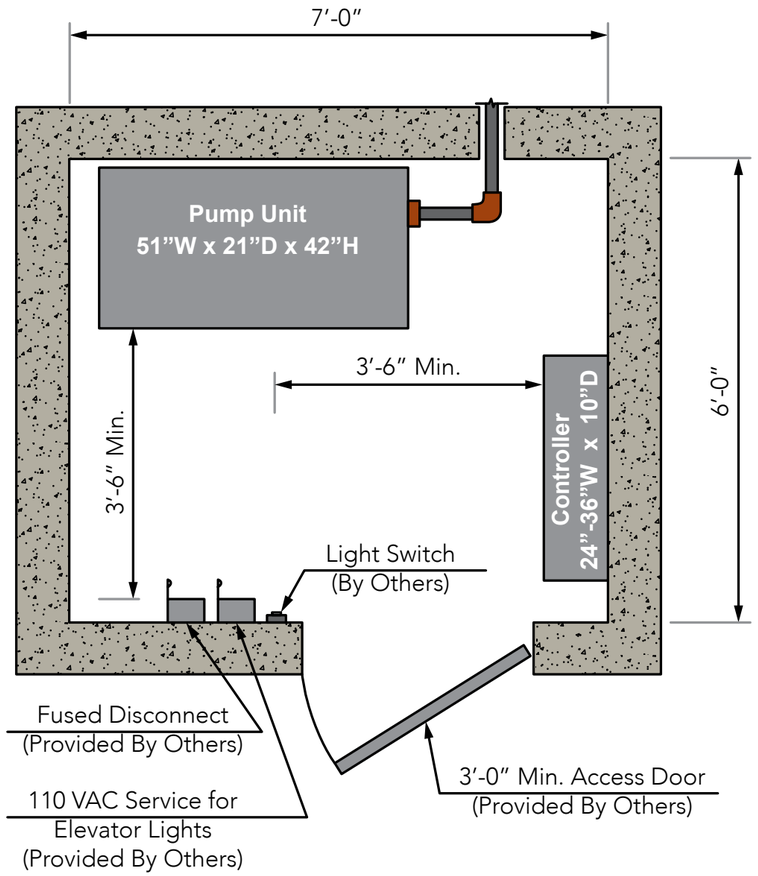
Tandem (Dry & Submersible Available)
Used for high-speed, heavy-duty, or other custom applications requiring two hydraulic power units.



Custom
Specialized power units designed around unique project requirements, including custom tank sizes, configurations, or other application-specific needs.

Commercial

Machine Room Requirements for Hydraulic Elevators



Machine Room Planning
Proper machine room planning helps ensure a safe, code-compliant installation and provides the space needed for service and maintenance. Use the following requirements as a planning reference and confirm all details with the project drawings and local authority having jurisdiction.

Items to Note
- Provide a code-compliant, enclosed, and adequately lit machine room
- Maintain a temperature of 60°F to 90°F and relative humidity below 90% non-condensing
- Provide code-required clearances around all equipment
- Install a fused disconnect for each elevator within sight of the equipment and capable of being locked in the OFF position
- Provide a separate 110 VAC service and lockable disconnect for cab lighting and accessories
- Install machine-room lighting, a light switch near the entrance, and a 110 VAC GFCI outlet
- Do not place non-elevator equipment in the machine room



Commercial

DEM STRATA™ SERIES

MACHINE ROOM-LESS ELEVATORS

Maximum performance, minimum footprint.

Rail-Supported MRL

This self-supporting configuration provides a compact, efficient solution while reducing reliance on the building structure.

Standard Equipment Capabilities

Capacity	2,100 – 3,500 lb
Travel	Up to 50’
Speed	100 – 350 FPM

Benefits

- Rail-Supported Design: Transfers machine loads through the elevator rail system
- Space Efficient: Eliminates the need for a traditional machine room
- Flexible Openings: Front or front & rear configurations available
- Multiple Configurations: Accommodates a range of passenger capacities and car sizes

Considerations

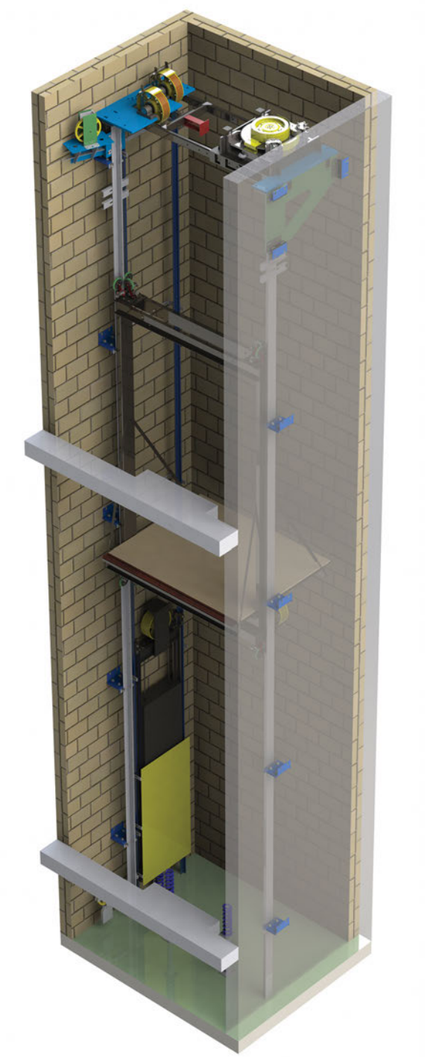
- Hoistway and car dimensions vary by capacity and opening configuration
- Structural and overhead requirements are project-specific
- Coordinate hoistway and support requirements with DEM early in planning

Machine Vendors

TORINDRIVE NORTH AMERICA

Imperial Electric®

Hollister-Whitney



	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7’-8” x 5’-10”	6’-0” x 5’-1”	5’-8” x 4’-3”	3’-0”	✓	–
	P2500-FO	8’-8” x 5’-10”	7’-0” x 5’-1”	6’-8” x 4’-3”	3’-6”	✓	–
	P3000-FO	8’-8” x 6’-3”	7’-0” x 5’-6”	6’-8” x 4’-8”	3’-6”	✓	–
	P3500-FO	8’-8” x 7’-0”	7’-0” x 6’-3”	6’-8” x 5’-5”	3’-6”	✓	–
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7’-8” x 6’-8 1/2”	6’-0” x 5’-8”	5’-8” x 4’-4”	3’-0”	✓	–
	P2500-FR	8’-8” x 6’-8 1/2”	7’-0” x 5’-8”	6’-8” x 4’-4”	3’-6”	✓	–
	P3000-FR	8’-8” x 6’-11 1/2”	7’-0” x 5’-11”	6’-8” x 4’-7”	3’-6”	✓	–
	P3500-FR	8’-8” x 7’-9 1/2”	7’-0” x 6’-9”	6’-8” x 5’-5”	3’-6”	✓	–

Pit and Overhead Minimum Requirements For Cars With 8’-0” Cab Height		
SPEED	P2100,P2500,P3000,P3500	
	PIT	O.H.
100FPM*	5’-0”	14’-6”/14’-0”
150FPM*	5’-0”	14’-7”/14’-0”
200FPM*	5’-0”	14’-9”/14’-1”
250FPM**	5’-6”	15’-0”/14’-6”
300FPM**	5’-6”	15’-1”/14’-7”
350FPM**	5’-6”	15’-4”/14’-10”

Rail Supported MRL designed with Torin TPM series machine.

* Spring buffers for car and counterweight. ** Oil buffers for car and counterweight. Based on ASME A17.1 O.H. Left Column has Spring or Oil buffers with 6" runby / Right Column has all Oil buffers with 0" runby.
Note: For cars with tall cabs, add 1" to O.H. for every inch of cab height added.

Need a Custom Configuration?

Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

Hoistway dimensions shown are not for final construction purposes. National & Local code years and variations may affect sizes shown. All dimensions should be verified with DEM Elevating Equipment prior to construction.

Commercial

DEM STRATA™ SERIES

MACHINE ROOM-LESS ELEVATORS

Maximum performance, minimum footprint.

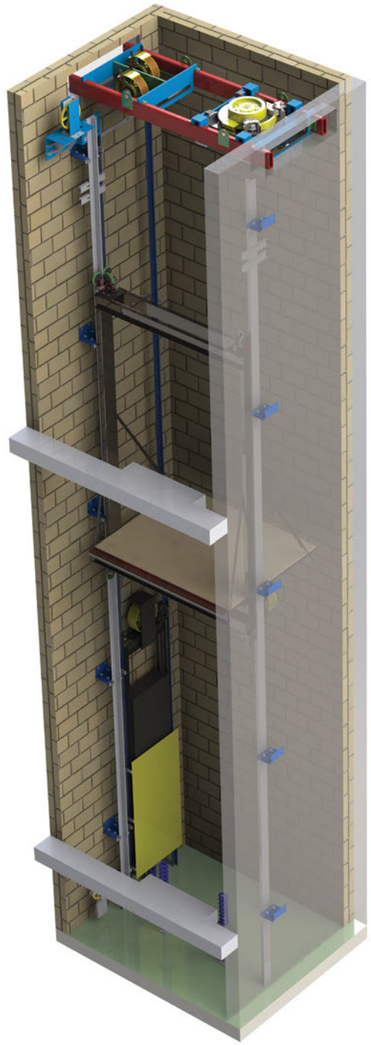
Frame Building-Supported MRL

Designed to integrate with the building structure for machine support, this configuration provides a compact, flexible solution.

Standard Equipment Capabilities

Capacity	2,100 – 4,000 lb
Travel	Up to 200’
Speed	100 – 350 FPM

Machine beam pockets are required in the hoistway walls



Benefits

- Building-Supported: Integrates machine support with the building structure
- Space Efficient: Eliminates the need for a traditional machine room
- Flexible Openings: Front or front & rear configurations available
- Multiple Configurations: Accommodates a range of capacities and car sizes

Considerations

- Building structure must accommodate required machine loads
- Hoistway dimensions vary by capacity and opening configuration
- Structural and overhead requirements are project-specific
- Coordinate structural and hoistway requirements with DEM early in planning

Machine Vendors

TORINDRIVE NORTH AMERICA

Imperial Electric®

Hollister-Whitney

	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7’-8” x 5’-10”	6’-0” x 5’-1”	5’-8” x 4’-3”	3’-0”	✓	–
	P2500-FO	8’-8” x 5’-10”	7’-0” x 5’-1”	6’-8” x 4’-3”	3’-6”	✓	–
	P3000-FO	8’-8” x 6’-3”	7’-0” x 5’-6”	6’-8” x 4’-8”	3’-6”	✓	–
	P3500-FO	8’-8” x 7’-0”	7’-0” x 6’-3”	6’-8” x 5’-5”	3’-6”	✓	–
	P4000-FO	9’-8” x 7’-0”	8’-0” x 6’-3”	7’-8” x 5’-5”	4’-0”	✓	–
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7’-8” x 6’-8 1/2”	6’-0” x 5’-8”	5’-8” x 4’-4”	3’-0”	✓	–
	P2500-FR	8’-8” x 6’-8 1/2”	7’-0” x 5’-8”	6’-8” x 4’-4”	3’-6”	✓	–
	P3000-FR	8’-8” x 6’-11 1/2”	7’-0” x 5’-11”	6’-8” x 4’-7”	3’-6”	✓	–
	P3500-FR	8’-8” x 7’-9 1/2”	7’-0” x 6’-9”	6’-8” x 5’-5”	3’-6”	✓	–
	P4000-FR	9’-8” x 7’-9 1/2”	8’-0” x 6’-9”	7’-8” x 5’-5”	4’-0”	✓	–

Pit and Overhead Minimum Requirements For Cars With 8’-0” Cab Height		
SPEED	P2100,P2500,P3000,P3500,P4000	
	PIT	O.H.
100FPM*	5’-0”	14'-5"/13'-11"
150FPM*	5’-0”	14'-6"/13'-11"
200FPM*	5’-0”	14'-8"/14'-0"
250FPM**	5’-6”	14'-11"/14'-5"
300FPM**	5’-6”	15'-0"/14'-6"
350FPM**	5’-6”	15'-3"/14'-9"

Frame Building Supported MRL designed with Torin TPM series machine.

* Spring buffers for car and counterweight. ** Oil buffers for car and counterweight. Based on ASME A17.1
O.H. Left Column has Spring or Oil buffers with 6" runby / Right Column has all Oil buffers with 0" runby.
Note: For cars with tall cabs, add 1" to O.H. for every inch of cab height added.

Need a Custom Configuration?

Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

Hoistway dimensions shown are not for final construction purposes. National & Local code years and variations may affect sizes shown. All dimensions should be verified with DEM Elevating Equipment prior to construction.

Commercial

DEM STRATA™ SERIES

MACHINE ROOM-LESS ELEVATORS

Maximum performance, minimum footprint.

Building-Supported MRL

The STRATA Building-Supported MRL provides a flexible, high-capacity solution for a wide range of passenger and service applications.

Standard Equipment Capabilities

Capacity	2,100 – 8,000 lb
Travel	Up to 300′
Speed	100 – 500 FPM

Machine beam pockets are required in the hoistway walls

Benefits

- Wide Capacity Range: Supports low-capacity passenger through high-capacity applications
- Space Efficient: Eliminates the need for a traditional machine room
- Flexible Openings: Front or front & rear configurations available
- Versatile Applications: Passenger, service, and high-capacity configurations available

Considerations

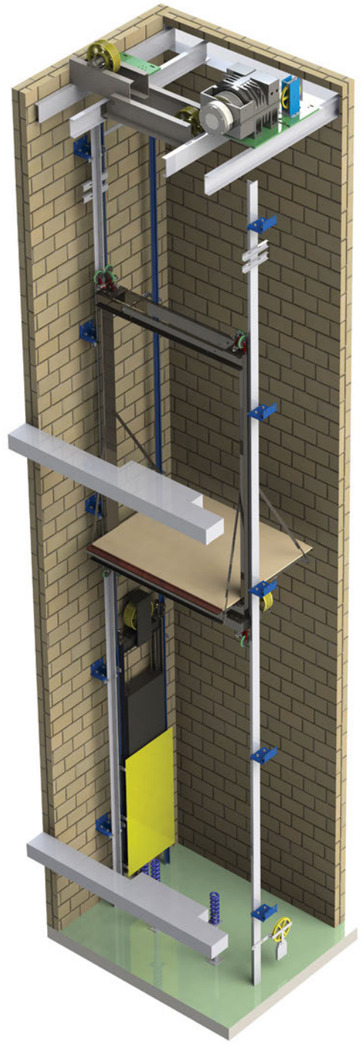
- Building structure must accommodate required machine loads
- Hoistway dimensions vary by capacity and configuration
- Higher capacities may require larger hoistways and 2-speed doors
- Coordinate structural and hoistway requirements with DEM early in planning

Machine Vendors

TORINDRIVE NORTH AMERICA

Imperial Electric®

Hollister-Whitney



	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7′-6″ x 6′-5″	6′-0″ x 5′-1″	5′-8″ x 4′-3″	3′-0″	✓	–
	P2500-FO	8′-6″ x 6′-6 1/2″	7′-0″ x 5′-1″	6′-8″ x 4′-3″	3′-6″	✓	–
	P3000-FO	8′-6″ x 6′-8″	7′-0″ x 5′-6″	6′-8″ x 4′-8″	3′-6″	✓	–
	P3500-FO	8′-6″ x 7′-2″	7′-0″ x 6′-3″	6′-8″ x 5′-5″	3′-6″	✓	–
	P4000-FO	9′-7″ x 7′-2″	8′-0″ x 6′-3″	7′-8″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FO	6′-10″ x 9′-3″	5′-4″ x 8′-4″	5′-0″ x 7′-4″	3′-6″	–	✓
	S4000-FO	7′-6″ x 9′-3″	6′-0″ x 8′-5″	5′-8″ x 7′-5″	4′-0″	–	✓
	S4500-FO	7′-6″ x 9′-7″	6′-0″ x 8′-9″	5′-8″ x 7′-9″	4′-0″	–	✓
	S5000-FO	7′-6″ x 10′-6″	6′-0″ x 9′-8″	5′-8″ x 8′-8″	4′-0″	–	✓
HIGH CAPACITY PASSENGER	HC6000-FO	9′-6″ x 10′-6″	7′-0″ x 9′-8″	6′-8″ x 8′-8″	5′-0″	–	✓
	HC7000-FO	10′-6″ x 10′-2″	8′-0″ x 9′-4″	7′-8″ x 8′-4″	5′-0″	–	✓
	HC8000-FO	10′-10″ x 10′-10″	8′-4″ x 10′-0″	8′-0″ x 9′-0″	5′-0″	–	✓
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7′-6″ x 6′-8 1/2″	6′-0″ x 5′-8″	5′-8″ x 4′-4″	3′-0″	✓	–
	P2500-FR	8′-6″ x 6′-8 1/2″	7′-0″ x 5′-8″	6′-8″ x 4′-4″	3′-6″	✓	–
	P3000-FR	8′-6″ x 7′-5 1/2″	7′-0″ x 6′-5″	6′-8″ x 5′-1″	3′-6″	✓	–
	P3500-FR	8′-10″ x 7′-9 1/2″	7′-0″ x 6′-9″	6′-8″ x 5′-5″	3′-6″	✓	–
	P4000-FR	9′-11″ x 7′-9 1/2″	8′-0″ x 6′-9″	7′-8″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FR	6′-10″ x 10′-3 1/2″	5′-4″ x 9′-0″	5′-0″ x 7′-4″	3′-6″	–	✓
	S4000-FR	7′-6″ x 10′-4 1/2″	6′-0″ x 9′-1″	5′-8″ x 7′-5″	4′-0″	–	✓
	S4500-FR	7′-6″ x 10′-9 1/2″	6′-0″ x 9′-6″	5′-8″ x 7′-10″	4′-0″	–	✓
	S5000-FR	7′-6″ x 11′-7 1/2″	6′-0″ x 10′-4″	5′-8″ x 8′-8″	4′-0″	–	✓
HIGH CAPACITY PASSENGER	HC6000-FR	10′-6″ x 11′-7 1/2″	7′-0″ x 10′-4″	6′-8″ x 8′-8″	5′-0″	–	✓
	HC7000-FR	10′-6″ x 11′-3 1/2″	8′-0″ x 10′-0″	7′-8″ x 8′-4″	5′-0″	–	✓
	HC8000-FR	10′-6″ x 11′-11 1/2″	8′-4″ x 10′-8″	8′-0″ x 9′-0″	5′-0″	–	✓

Pit and Overhead Minimum Requirements For Cars With 8′-0″ Cab Height						
SPEED	P2100,P2500,P3000,P3500		S3500,P4000,S4000,S4500,S5000		HC6000,HC7000,HC8000	
	PIT	O.H.	PIT	O.H.	PIT	O.H.
100 FPM*	5′-0″	16′-4″ / 15′-10″	5′-0″	15′-9″ / 15′-3″	5′-6″	18′-3″ / 17′-9″
150 FPM*	5′-0″	16′-5″ / 15′-11″	5′-0″	15′-10″ / 15′-3″	5′-6″	18′-4″ / 17′-9″
200 FPM*	5′-0″	16′-7″ / 15′-11″	5′-0″	16′-0″ / 15′-4″	5′-6″	18′-6″ / 17′-10″
250 FPM**	5′-6″	16′-10″ / 16′-4″	5′-6″	16′-3″ / 15′-9″	6′-0″	18′-9″ / 18′-3″
300 FPM**	5′-6″	16′-11″ / 16′-5″	5′-6″	16′-4″ / 15′-10″	6′-0″	18′-10″ / 18′-4″
350 FPM**	5′-6″	17′-2″ / 16′-8″	5′-6″	16′-7″ / 16′-1″	6′-0″	19′-1″ / 18′-7″
400 FPM**	5′-9″	16′-10″ / 16′-4″	6′-0″	16′-10″ / 16′-4″	6′-6″	19′-4″ / 18′-10″
450 FPM**	6′-3″	17′-5″ / 16′-11″	6′-6″	17′-5″ / 16′-11″	6′-6″	19′-11″ / 19′-5″
500 FPM**	6′-3″	17′-7″ / 17′-1″	6′-6″	17′-7″ / 17′-1″	6′-6″	20′-1″ / 19′-7″

Dimensions based on Torin Machine

* Spring buffers for car and counterweight. ** Oil buffers for car and counterweight. Based on ASME A17.1 O.H. Left Column has Spring or Oil buffers with 6" runby / Right Column has all Oil buffers with 0" runby.
Note: For cars with tall cabs, add 1" to O.H. for every inch of cab height added.

Need a Custom Configuration?

Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

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Commercial

DEM STRATA™ SERIES

MACHINE ROOM-LESS ELEVATORS

Maximum performance, minimum footprint.

Overslung/Cornerpost MRL

Ideal for projects requiring alternative car and hoistway configurations, this design provides greater flexibility to accommodate varying project requirements.

Standard Equipment Capabilities

Capacity	2,100 – 5,000 lb
Travel	Up to 300’
Speed	100 – 500 FPM

Machine beam pockets are required in the hoistway walls



Benefits

- Design Flexibility: Accommodates unique hoistway and building conditions
- Space Efficient: Eliminates the need for a traditional machine room
- Flexible Configuration: Cornerpost arrangement allows for greater layout versatility
- Application Versatility: Ideal for projects where standard configurations may not be the best fit

Considerations

- Hoistway and structural requirements are project-specific
- Car size, capacity, and opening configuration may impact layout
- Additional coordination may be required based on project conditions
- Consult DEM early to determine the appropriate configuration

Machine Vendors

TORINDRIVE NORTH AMERICA · Imperial Electric® · Hollister-Whitney

**** ALL OVERSLUNG/CORNERPOST MRLS ARE CUSTOM MADE ACCORDING TO YOUR SPECS ****



Commercial

DEM STRATA™ SERIES

MACHINE ROOM-LESS ELEVATORS

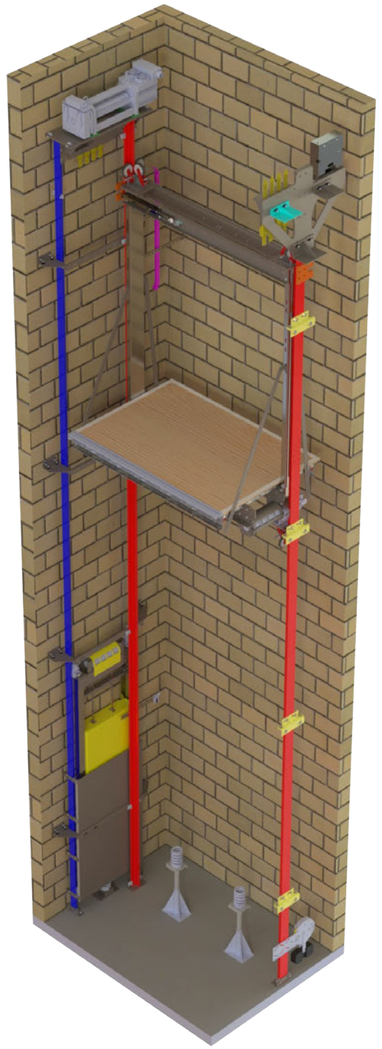
Maximum performance, minimum footprint.

Belted MRL

Smooth, quiet performance and a compact design make this STRATA configuration a versatile solution, with multiple machine options available to meet varying project needs.

Standard Equipment Capabilities

Capacity	2,100 – 5,000 lb
Travel	
Rail Supported	Up to 50′
Building Supported	Up to 200′
Speed	100 – 500 FPM



Benefits

- Low Overhead: Standard 12'-9"; options as low as 11'-8"
- Flexible Support: Rail- or building-supported
- Machine Options: Available based on capacity, speed, and application
- Fast-Track Delivery: Short lead times available
- Smooth & Quiet: Belt technology offers smooth operation with low maintenance

Considerations

- Machine selection is project-specific
- Lower overhead configurations require DEM review
- Machine beam pockets are required in the hoistway walls for building-supported configurations
- Coordinate project and hoistway requirements with DEM early

Machine Vendors

Montanari North America Inc. | TORINDRIVE North America

	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7′-10″ x 5′-10″	5′-10″ x 5′-1″	5′-6″ x 4′-3″	3′-0″	✓	–
	P2500-FO	8′-10″ x 5′-10″	6′-10″ x 5′-1″	6′-6″ x 4′-3″	3′-6″	✓	–
	P3000-FO	8′-10″ x 6′-3″	6′-10″ x 5′-6″	6′-6″ x 4′-8″	3′-6″	✓	–
	P3500-FO	8′-10″ x 7′-0″	6′-10″ x 6′-3″	6′-6″ x 5′-5″	3′-6″	✓	–
	P4000-FO	9′-10″ x 7′-0″	7′-10″ x 6′-3″	7′-6″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FO	6′-10″ x 9′-3″	4′-10″ x 8′-4″	4′-6″ x 7′-4″	3′-6″	–	✓
	S4000-FO	7′-10″ x 9′-3″	5′-10″ x 8′-5″	5′-6″ x 7′-5″	4′-0″	–	✓
	S4500-FO	7′-10″ x 9′-7″	5′-10″ x 8′-9″	5′-6″ x 7′-9″	4′-0″	–	✓
	S5000-FO	7′-10″ x 10′-6″	5′-10″ x 9′-8″	5′-6″ x 8′-8″	4′-0″	–	✓
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7′-10″ x 6′-8 1/2″	5′-10″ x 5′-8″	5′-6″ x 4′-4″	3′-0″	✓	–
	P2500-FR	8′-10″ x 6′-8 1/2″	6′-10″ x 5′-8″	6′-6″ x 4′-4″	3′-6″	✓	–
	P3000-FR	8′-10″ x 7′-5 1/2″	6′-10″ x 6′-5″	6′-6″ x 5′-1″	3′-6″	✓	–
	P3500-FR	9′-0″ x 7′-9 1/2″	6′-10″ x 6′-9″	6′-6″ x 5′-5″	3′-6″	✓	–
	P4000-FR	9′-10″ x 7′-9 1/2″	7′-10″ x 6′-9″	7′-6″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FR	6′-10″ x 10′-3 1/2″	4′-10″ x 9′-0″	4′-6″ x 7′-4″	3′-6″	–	✓
	S4000-FR	7′-10″ x 10′-4 1/2″	5′-10″ x 9′-1″	5′-6″ x 7′-5″	4′-0″	–	✓
	S4500-FR	7′-10″ x 10′-9 1/2″	5′-10″ x 9′-6″	5′-6″ x 7′-10″	4′-0″	–	✓
	S5000-FR	7′-10″ x 11′-7 1/2″	5′-10″ x 10′-4″	5′-6″ x 8′-8″	4′-0″	–	✓

Pit and Overhead Minimum Requirements For Cars With 8′-0″ Cab Height		
SPEED	P2100,P2500,P3000,P3500	
	PIT	O.H.
100FPM*	5′-0″	12′-9″/12′-2″
150FPM*	5′-0″	12′-9″/12′-3″
200FPM*	5′-0″	12′-11″/12′-3″
250FPM**	5′-6″	13′-4″/12′-10″
300FPM**	5′-6″	13′-4″/12′-10″
350FPM**	5′-6″	13′-6″/13′-0″
400FPM**	6′-0″	14′-0″/13′-6″

Designed with Montanari MBA series machines.

* Spring buffers for car and counterweight.

** Oil buffers for car and counterweight. Based on ASME A17.1

O.H. Left Column has Spring or Oil buffers with 6" runby / Right Column has all Oil buffers with 0" runby.

Note: For cars with tall cabs, add 1" to O.H. for every inch of cab height added.

Need a Custom Configuration?

Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

Hoistway dimensions shown are not for final construction purposes. National & Local code years and variations may affect sizes shown. All dimensions should be verified with DEM Elevating Equipment prior to construction.

Commercial

DEM STRATA™ SERIES

MACHINE ROOM-LESS ELEVATORS

Maximum performance, minimum footprint.

Coated Rope MRL

This compact, high-performance configuration accommodates capacities up to 5,000 lb and speeds up to 350 FPM.

Standard Equipment Capabilities

Capacity	2,100 – 5,000 lb
Travel	
Rail Supported	Up to 50′
Building Supported	Up to 200′
Speed	100 – 350 FPM

Benefits

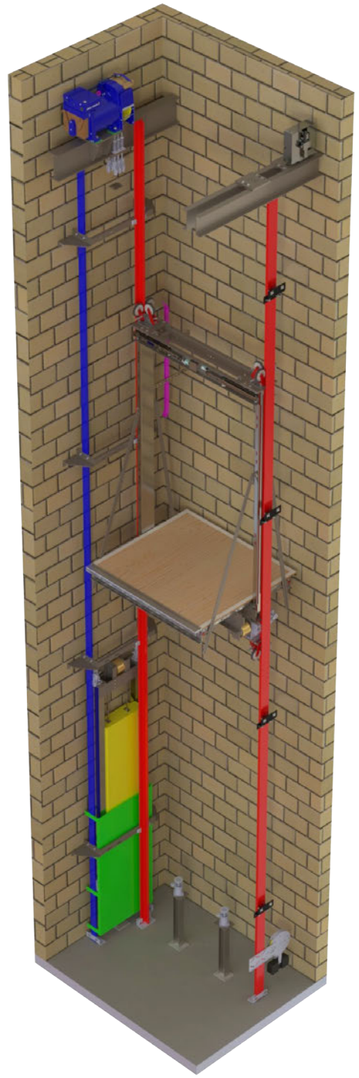
- Low Overhead: Standard 12'-9" overhead with an 8'-0" cab at 150 FPM; options as low as 11'-8"
- Flexible Support: Rail-supported or building-supported configurations
- Fast-Track Delivery: Short lead times available to help keep projects on schedule
- Smooth, Quiet Ride: PU-coated rope technology provides smooth operation with reduced maintenance
- Space Efficient: MRL design eliminates the need for a traditional machine room

Considerations

- Lower overhead configurations are project-specific; consult DEM for requirements
- Structural requirements vary by support configuration
- Machine beam pockets are required in the hoistway walls for building-supported configurations
- Coordinate hoistway dimensions, capacity, speed, and building requirements with DEM early in the planning process

Machine Vendors

ZIEHL-ABEGG



	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7′-10″ x 5′-10″	5′-10″ x 5′-1″	5′-6″ x 4′-3″	3′-0″	✓	–
	P2500-FO	8′-10″ x 5′-10″	6′-10″ x 5′-1″	6′-6″ x 4′-3″	3′-6″	✓	–
	P3000-FO	8′-10″ x 6′-3″	6′-10″ x 5′-6″	6′-6″ x 4′-8″	3′-6″	✓	–
	P3500-FO	8′-10″ x 7′-0″	6′-10″ x 6′-3″	6′-6″ x 5′-5″	3′-6″	✓	–
	P4000-FO	9′-10″ x 7′-0″	7′-10″ x 6′-3″	7′-6″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FO	6′-10″ x 9′-3″	4′-10″ x 8′-4″	4′-6″ x 7′-4″	3′-6″	–	✓
	S4000-FO	7′-10″ x 9′-3″	5′-10″ x 8′-5″	5′-6″ x 7′-5″	4′-0″	–	✓
	S4500-FO	7′-10″ x 9′-7″	5′-10″ x 8′-9″	5′-6″ x 7′-9″	4′-0″	–	✓
	S5000-FO	7′-10″ x 10′-6″	5′-10″ x 9′-8″	5′-6″ x 8′-8″	4′-0″	–	✓
Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7′-10″ x 6′-8 1/2″	5′-10″ x 5′-8″	5′-6″ x 4′-4″	3′-0″	✓	–
	P2500-FR	8′-10″ x 6′-8 1/2″	6′-10″ x 5′-8″	6′-6″ x 4′-4″	3′-6″	✓	–
	P3000-FR	8′-10″ x 7′-5 1/2″	6′-10″ x 6′-5″	6′-6″ x 5′-1″	3′-6″	✓	–
	P3500-FR	9′-0″ x 7′-9 1/2″	6′-10″ x 6′-9″	6′-6″ x 5′-5″	3′-6″	✓	–
	P4000-FR	9′-10″ x 7′-9 1/2″	7′-10″ x 6′-9″	7′-6″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FR	6′-10″ x 10′-3 1/2″	4′-10″ x 9′-0″	4′-6″ x 7′-4″	3′-6″	–	✓
	S4000-FR	7′-10″ x 10′-4 1/2″	5′-10″ x 9′-1″	5′-6″ x 7′-5″	4′-0″	–	✓
	S4500-FR	7′-10″ x 10′-9 1/2″	5′-10″ x 9′-6″	5′-6″ x 7′-10″	4′-0″	–	✓
	S5000-FR	7′-10″ x 11′-7 1/2″	5′-10″ x 10′-4″	5′-6″ x 8′-8″	4′-0″	–	✓

Pit and Overhead Minimum Requirements For Cars With 8′-0″ Cab Height		
SPEED	P2100,P2500,P3000,P3500	
	PIT	O.H.
100FPM*	5′-0″	12′-9″/12′-2″
150FPM*	5′-0″	12′-9″/12′-3″
200FPM*	5′-0″	12′-11″/12′-3″
250FPM**	5′-6″	13′-4″/12′-10″
300FPM**	5′-6″	13′-4″/12′-10″
350FPM**	5′-6″	13′-6″/13′-0″

Designed with Ziehl-Abegg ZAtop series machines.

* Spring buffers for car and counterweight.

** Oil buffers for car and counterweight. Based on ASME A17.1

O.H. Left Column has Spring or Oil buffers with 6" runby / Right Column has all Oil buffers with 0" runby.

Note: For cars with tall cabs, add 1" to O.H. for every inch of cab height added.

Need a Custom Configuration?

Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

Hoistway dimensions shown are not for final construction purposes. National & Local code years and variations may affect sizes shown. All dimensions should be verified with DEM Elevating Equipment prior to construction.

Commercial

DEM OMNI™ SERIES

OVERHEAD TRACTION ELEVATORS

Versatility without limits.

Overhead Traction (Geared/Gearless)
The OMNI Overhead Traction elevator delivers efficient, high-performance traction for applications requiring greater speed, travel, and flexibility.

Standard Equipment Capabilities

Capacity	
Rear Counterweight	2,100 – 4,000 lb
Side Counterweight	2,100 – 10,000 lb
Speed	100 – 700 FPM

Benefits

- Higher Speeds: Supports faster speeds than hydraulic applications
- Extended Travel: Ideal for longer-travel applications
- Energy Efficient: Greater efficiency than hydraulic systems
- No Hydraulic Oil: Clean traction operation without hydraulic oil
- Flexible Configurations: Multiple machine and counterweight arrangements available

Considerations

- Higher equipment and installation costs than hydraulic systems
- Typically requires approximately 16' of overhead
- Penthouse, offset, or basement machine configurations are available
- Additional rails and structural support may be required

Machine Vendors

TORINDRIVE NORTH AMERICA · Imperial Electric® · Hollister-Whitney



The penthouse machine room can be eliminated by positioning the traction machine next to the side of the hoistway at one of the landings. This arrangement is referred to as a basement or offset machine application. It requires additional hoistway sheaves and machine beam support at the landing location.

	Model	Hoistway W x D	Platform W x D	Inside Car W x D	Door Width	1-Speed	2-Speed
Counterweight at Rear - Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7′-4″ x 6′-8″	6′-0″ x 5′-1″	5′-8″ x 4′-3″	3′-0″	✓	–
	P2500-FO	8′-4″ x 6′-8″	7′-0″ x 5′-1″	6′-8″ x 4′-3″	3′-6″	✓	–
	P3000-FO	8′-4″ x 7′-1″	7′-0″ x 5′-6″	6′-8″ x 4′-8″	3′-6″	✓	–
	P3500-FO	8′-4″ x 7′-10″	7′-0″ x 6′-3″	6′-8″ x 5′-5″	3′-6″	✓	–
	P4000-FO	9′-4″ x 7′-10″	8′-0″ x 6′-3″	7′-8″ x 5′-5″	4′-0″	✓	–
Counterweight at Side - Front Opening							
LOW CAPACITY PASSENGER	P2100-FO	7′-10″ x 5′-10″	6′-0″ x 5′-1″	5′-8″ x 4′-3″	3′-0″	✓	–
	P2500-FO	8′-10″ x 5′-10″	7′-0″ x 5′-1″	6′-8″ x 4′-3″	3′-6″	✓	–
	P3000-FO	8′-10″ x 6′-3″	7′-0″ x 5′-6″	6′-8″ x 4′-8″	3′-6″	✓	–
	P3500-FO	8′-10″ x 7′-0″	7′-0″ x 6′-3″	6′-8″ x 5′-5″	3′-6″	✓	–
	P4000-FO	9′-10″ x 7′-0″	8′-0″ x 6′-3″	7′-8″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FO	7′-2″ x 9′-3″	5′-4″ x 8′-4″	5′-0″ x 7′-4″	3′-6″	–	✓
	S4000-FO	7′-10″ x 9′-3″	6′-0″ x 8′-5″	5′-8″ x 7′-5″	4′-0″	–	✓
	S4500-FO	7′-10″ x 9′-7″	6′-0″ x 8′-9″	5′-8″ x 7′-9″	4′-0″	–	✓
	S5000-FO	7′-10″ x 10′-7″	6′-0″ x 9′-8″	5′-8″ x 8′-8″	4′-0″	–	✓
HIGH CAPACITY PASSENGER	HC6000-FO	10′-6″ x 10′-7″	7′-0″ x 9′-8″	6′-8″ x 8′-8″	4′-6″	–	✓
	HC7000-FO	10′-6″ x 10′-2″	8′-0″ x 9′-4″	7′-8″ x 8′-4″	4′-6″	–	✓
	HC8000-FO	10′-6″ x 10′-10″	8′-4″ x 10′-0″	8′-0″ x 9′-0″	5′-0″	–	✓
	HC9000-FO	9′-10″ x 11′-6″	8′-4″ x 10′-8″	8′-0″ x 9′-8″	5′-0″	–	✓
	HC10000-FO	10′-10″ x 12′-10″	8′-4″ x 12′-0″	8′-0″ x 11′-0″	5′-0″	–	✓
Counterweight at Side - Front & Rear Opening							
LOW CAPACITY PASSENGER	P2100-FR	7′-10″ x 6′-8 1/2″	6′-0″ x 5′-8″	5′-8″ x 4′-4″	3′-0″	✓	–
	P2500-FR	8′-10″ x 6′-8 1/2″	7′-0″ x 5′-8″	6′-8″ x 4′-4″	3′-6″	✓	–
	P3000-FR	8′-10″ x 7′-5 1/2″	7′-0″ x 6′-5″	6′-8″ x 4′-7″	3′-6″	✓	–
	P3500-FR	8′-10″ x 7′-9 1/2″	7′-0″ x 6′-9″	6′-8″ x 5′-5″	3′-6″	✓	–
	P4000-FR	9′-10″ x 7′-9 1/2″	8′-0″ x 6′-9″	7′-8″ x 5′-5″	4′-0″	✓	–
SERVICE PASSENGER	S3500-FR	7′-2″ x 10′-3 1/2″	5′-4″ x 9′-0″	5′-0″ x 7′-4″	3′-6″	–	✓
	S4000-FR	7′-10″ x 10′-4 1/2″	6′-0″ x 9′-1″	5′-8″ x 7′-5″	4′-0″	–	✓
	S4500-FR	7′-10″ x 10′-9 1/2″	6′-0″ x 9′-6″	5′-8″ x 7′-10″	4′-0″	–	✓
	S5000-FR	7′-10″ x 11′-7 1/2″	6′-0″ x 10′-4″	5′-8″ x 8′-8″	4′-0″	–	✓
HIGH CAPACITY PASSENGER	HC6000-FR	10′-6″ x 11′-7 1/2″	7′-0″ x 10′-4″	6′-8″ x 8′-8″	4′-6″	–	✓
	HC7000-FR	10′-6″ x 11′-3 1/2″	8′-0″ x 10′-0″	7′-8″ x 8′-4″	4′-6″	–	✓
	HC8000-FR	10′-6″ x 11′-11 1/2″	8′-4″ x 10′-8″	8′-0″ x 9′-0″	5′-0″	–	✓
	HC9000-FR	11′-0″ x 12′-7 1/2″	8′-4″ x 11′-4″	8′-0″ x 9′-8″	5′-0″	–	✓
	HC10000-FR	11′-0″ x 13′-11 1/2″	8′-4″ x 12′-8″	8′-0″ x 11′-0″	5′-0″	–	✓

Requirements
An overhead machine room is required

Need a Custom Configuration?
Contact DEM for sizes, capacities, speeds, & travel heights outside the listed ranges.

Hoistway dimensions shown are not for final construction purposes. National & Local code years and variations may affect sizes shown. All dimensions should be verified with DEM Elevating Equipment prior to construction.

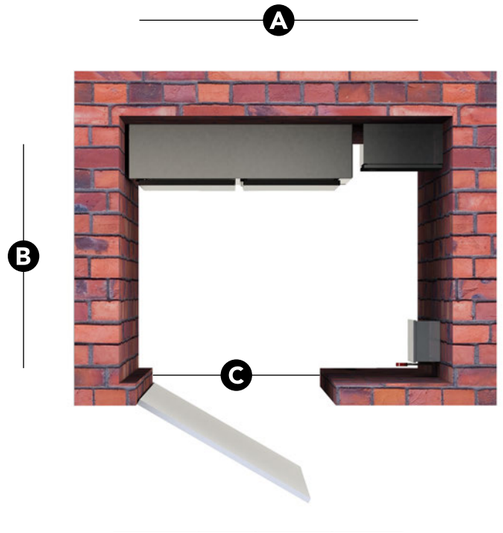
Commercial

Minimum Control Room MRL

Our Minimum Control Room MRL design provides a compact, code-conscious solution for housing essential elevator controls and equipment. Use the following guidelines to plan for space, access, electrical, and environmental requirements.

Notes:

- Provide a legally constructed and enclosed control room, adequately lighted, and conditioned to maintain temperature between 60° to 90° Fahrenheit, relative humidity is not to exceed 90% non-condensing.
- Control room must be of adequate size to provide clearances around and between equipment as required by code.
- Provide a fused disconnect switch for each elevator in the control room, located in a position based on local code and within sight of elevator equipment, and arranged to be locked in the off position.
- Provide 110 VAC service for elevator light and accessories connected to the car light service terminal on the elevator controller.
- A single disconnecting means for the car light and accessories shall be located in the control room and arranged to be locked in the open position.
- Provide light, switch and 110 VAC GFI outlet in the control room, with switch located adjacent to the door.



	A	B	C
Large	5’-6”	6’-4”	3’-0”
Small	5’-0”	5’-11”	3’-0”
(INSIDE MINIMUM DIMENSIONS)			

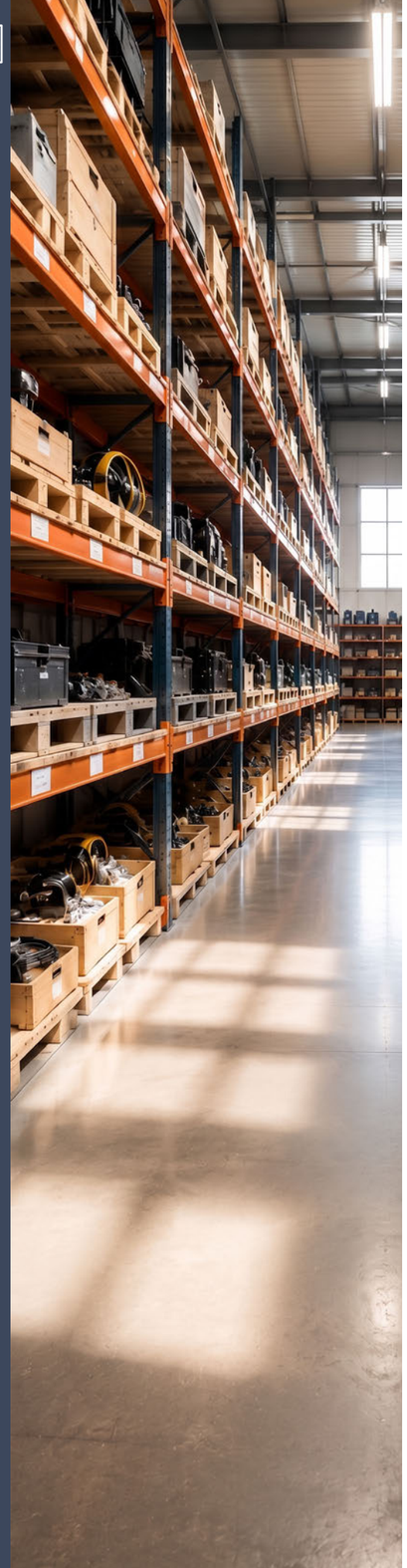
- Only elevator-related equipment is allowed inside the control room.
- Dimensional data shown above may vary from National Codes to Local Codes.
- For Duplex or Triplex applications control rooms will have different dimensions. Consult your sales representative.
- When special equipment is required, such as transformers, brake resistors, etc. sizes of control room will increase to accommodate the equipment and have the required clearances. This factor determines the Small / Large size of the Control Room.
- Transformers, resistor boxes and similar equipment are required to have 6” clearances on all sides.
- NEC work space minimum clear distances vary from 3 to 4 feet depending on nominal voltage and mounted electrical equipment condition, consult your AHJ.
- The preferred location of the Control Room is adjacent to the hoistway on the top floor, but other locations could be used.
- The linear maximum run of the encoder communication cable is 160 ft., from the machine to the controller.

Governor Access:

- Determine if your local code allows remote reset governor, if not an access up on the overhead must be provided to inspect and reset the governor. If it is not possible to provide an access up on the overhead, an option will be the use of a DEM Elevating Equipment pit mounted governor.



Commercial



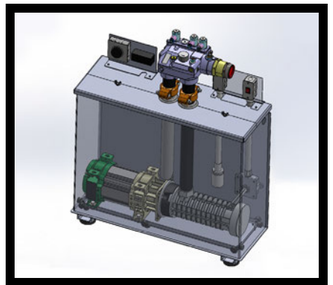
Parts & Components

At DEM Elevating Equipment, we are your complete source for elevator equipment. From complete elevator packages to individual parts and components, we provide everything elevator contractors need to get the job done.

Our product offering includes power units, valves, sheaves, pit equipment, cabs, entrances, and more. Whether you need a complete system or a specific component, we are here to provide the equipment, expertise, and support to keep your project moving.



Complete Elevator Packages



Standard & Custom Power Units



Pump Unit Parts & Accessories



Traction Machines



Rollers & Slide Guides



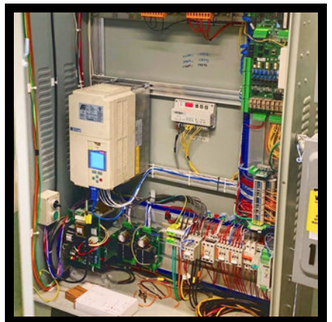
Pit Equipment



Piping & Components



Guide Rails & Brackets



Controllers



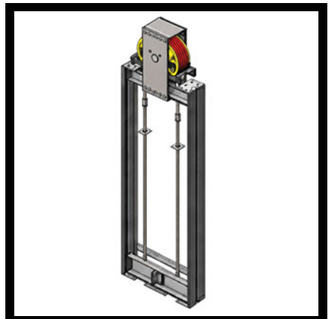
Wiring Packages



Cabs



Entrances



Sub Assemblies



Miscellaneous Parts



Car Top Handrails and More!

Visit our pump unit configurator to quote your custom power unit!

Commercial



INTEGRATED ELEVATOR SOLUTIONS

Coordinated Solutions for Every Stage of the Project

More Capabilities. One Connected Network.

At DEM Elevating Equipment, we know a successful elevator project involves more than the equipment itself. That's why we work closely with our affiliated companies, IDEC Elevator Products and Chesapeake Drilling Corporation, to connect our customers with additional capabilities that can make projects easier to coordinate from start to finish.

Together, our network brings manufacturing, drilling, elevator interiors, entrances, and specialized expertise under one connected group, helping contractors simplify coordination and keep projects moving.

DEM Elevating Equipment
Complete Elevator Packages, Equipment & Components

We serve as the equipment manufacturing core of our affiliated network, providing complete elevator packages as well as the individual products and components contractors need for their projects.

From hydraulic and traction packages to power units, cabs, entrances, pit equipment, and critical components, we combine responsive service, manufacturing expertise, and custom engineering to help our customers complete projects efficiently and confidently.

IDEC Elevator Products
Elevator Interiors, Cabs & Entrances

When a project requires specialized interiors, entrances, or architectural finishes, we work with our affiliate, IDEC Elevator Products, to provide additional capabilities for our customers.

IDEC specializes in standard and fully custom elevator cabs, doors, entrances, and interior packages. Their craftsmanship, precision manufacturing, and extensive customization capabilities allow us to connect our customers with solutions that bring both performance and design to the finished elevator.

Chesapeake Drilling Corporation
Specialized Elevator Drilling

For hydraulic elevator projects requiring specialized drilling, we work with our affiliate, Chesapeake Drilling Corporation (CDC).

CDC provides truck-mounted drilling, portable skid drilling, rock drilling, and large-diameter drilling for elevator installations and modernization projects. Their experienced team and specialized equipment allow us to connect our customers with the drilling expertise needed to navigate challenging site conditions and keep projects on track.

One Project. More Solutions.

By working across our affiliated network, we can help connect the pieces of your elevator project and provide access to trusted expertise beyond the equipment itself. Our goal is simple: fewer moving parts for our customers and a more seamless path from planning through installation.

Through our affiliates, we connect customers with trusted expertise in elevator equipment, interiors, entrances, and specialized drilling, helping make every stage of the project more seamless.

Integrated Elevator Solutions

IDEC – Engineered for Excellence

Through our affiliate, IDEC Elevator Products (Ideally Designed Elevator Components), we are able to connect our customers with even more capabilities for their elevator projects.

Since 1989, IDEC has specialized in the design and fabrication of high-quality elevator cabs, doors, entrances, and interiors. From standard products to fully custom designs, their team brings decades of craftsmanship and manufacturing expertise to new installations and modernization projects across a wide range of commercial applications.

By working closely with IDEC, we can help our customers streamline coordination between elevator equipment and the architectural elements that complete the finished project.

Our Specialties

Standard Cabs & Entrances
Durable, high-quality solutions manufactured to meet industry specifications while providing efficient turnaround times for commercial applications.

Custom Cabs & Entrances
Made-to-order solutions designed around the specific needs and vision of each project, from clean and contemporary to traditional or completely custom.

LULA Cabs & Entrances
Specialized cab and entrance solutions for Limited Use/Limited Application elevators, designed to meet applicable accessibility and code requirements without sacrificing aesthetics.

Custom Interiors
A wide range of materials, finishes, and design options, from wood paneling to contemporary stainless steel, allows IDEC to create interiors that complement virtually any space.

Interior Installations
IDEC also offers professional installation services, providing customers with an experienced team that understands both the finished interior and the elevator behind it.

Fully Custom Capabilities
When a project calls for something outside the standard offering, IDEC has the manufacturing capabilities and expertise to bring unique concepts to life.

Together, DEM and IDEC give our customers access to elevator equipment and architectural solutions through one connected network.

CabLab by IDEC

CabLab by IDEC is an interactive elevator cab configurator that allows architects, contractors, and building owners to design and customize elevator interiors with ease. Users can explore a range of materials, finishes, lighting, handrails, and panel layouts while visualizing their selections in real time.



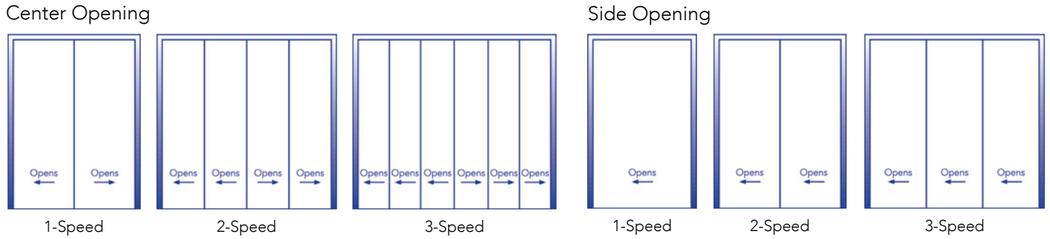
Elevator Doors

Through our affiliate, IDEC Elevator Products, we provide our customers access to elevator doors engineered for reliable performance, passenger safety, and long-term durability.

IDEC manufactures doors with precision to meet demanding industry standards while coordinating seamlessly with the complete entrance system. A variety of finish options are available to complement surrounding architectural elements and project specifications.

IDEC elevator doors are manufactured from 16-gauge material as standard, providing the strength, rigidity, and durability required for dependable performance in commercial elevator applications.

By working closely with IDEC, we can help coordinate doors, entrances, and elevator equipment to create a more streamlined solution for the complete project.



Integrated Elevator Solutions



Elevator Entrances

Working with IDEC Elevator Products allows us to provide our customers access to complete elevator entrance systems designed to deliver the safety, reliability, and appearance required for each project.

IDEC engineers and fabricates fully coordinated entrance packages with the required components for installation. Systems can be customized to project specifications, including material thickness, reinforcement, and preparation. Products are fire-tested and can be provided drilled and tapped to help simplify installation and support long-term performance.

Standard entrance frames are constructed from 16-gauge steel, with heavier gauges available for applications requiring additional structural strength or performance.

Materials & Finishes

IDEC entrances, like their elevator doors, are available in an extensive selection of colors, materials, and finishes. Options range from architectural metals and advanced powder coatings to premium custom materials, giving our customers the flexibility to coordinate entrances with virtually any architectural style.

By working with IDEC, we can help our customers coordinate elevator equipment, doors, and entrances through one connected network, creating a more seamless approach to the overall project.



Architectural Metals



Powder Coated



Custom Materials

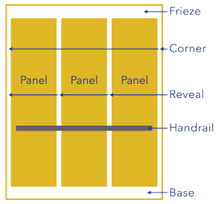
Cabs and Interiors

Every project has different priorities. Some elevator interiors are designed for durability and everyday performance, while others are intended to become an extension of the building's overall design.

IDEC offers both standard and fully custom cab and interior solutions, working with a wide range of materials including laminate, glass, marble, hardwood, stainless steel, and other architectural finishes.

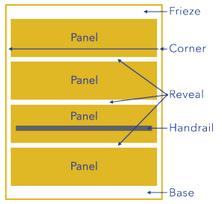
From practical commercial interiors to highly customized statement cabs, we can help connect our customers with options that meet their design vision, performance requirements, and budget.

Panel Configurations



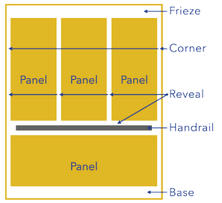


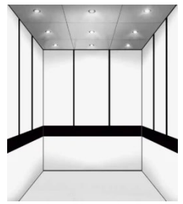
Ruxton



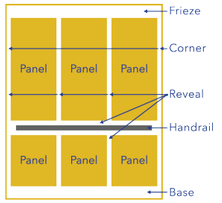


Dover



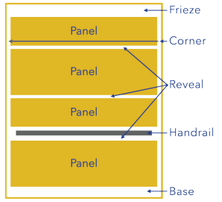


Belair

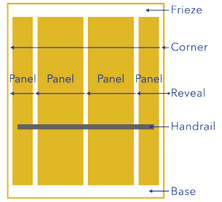




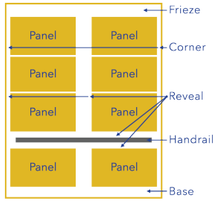
Sarasota



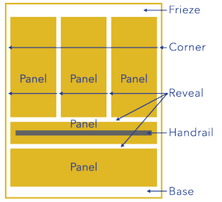
Outer Banks



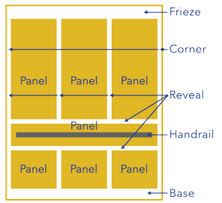
Wilmington



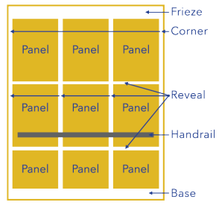
Bar Harbor



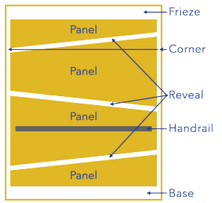
Sydney



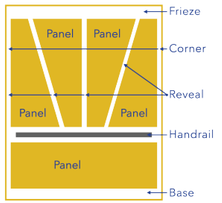
Madison



Summit



La Jolla



Miami

Integrated Elevator Solutions

Ruxton





3/4 View

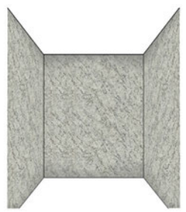
Pictured: Ruxton with All Panels in Formica® 8844 Aged Ash, LED Downlights in Stainless Steel Drop Ceiling, and 2" Stainless Steel Flat Handrails.

Reveals



Black | Brushed Stainless | Muntz/Gold

Additional Customization



Cab Panels



Handrails



Ceilings/Lighting

Scan to customize your next cab.

Cab Panels

Through IDEC, we offer a wide range of cab panel styles, materials, and finishes to help you customize your elevator interior. We can help you select options that complement your project's design, performance needs, and budget.

A sampling of available options is shown below. For even more choices and inspiration, visit CabLab on IDEC's website to explore the full range of customization possibilities.



949 - White



9476 - White Ice Granite



8844 - Aged Ash



756 - Natural Maple



909 - Black



Stainless #4



5WL Stainless

Ceilings/Lighting

To further bring your vision to life, choose from a wide selection of ceiling and lighting options available from IDEC. From clean and functional to more design-focused applications, we can help you create a ceiling system that complements the overall look and feel of your cab.

Options include LED, fluorescent, and tamper-resistant lighting in a variety of ceiling materials and configurations. We can also provide customized Lexan diffusers to meet your specific design needs.

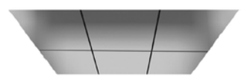
Some of our most popular ceiling and lighting options include:



LED Downlights Recessed in Canopy



LED Strip Lights with Lexan Diffusers in Drop Ceiling



Drop Ceiling with Perimeter Lights

Handrails

A wide selection of standard and custom handrails gives you the flexibility to complement your cab design and surrounding décor. With a variety of materials, finishes, and styles available, we can help you select the right handrail to complete your elevator interior.



1-1/2" Round - Straight (Brushed Stainless)



1-1/2" Round - Curved Corners (Brushed Stainless)



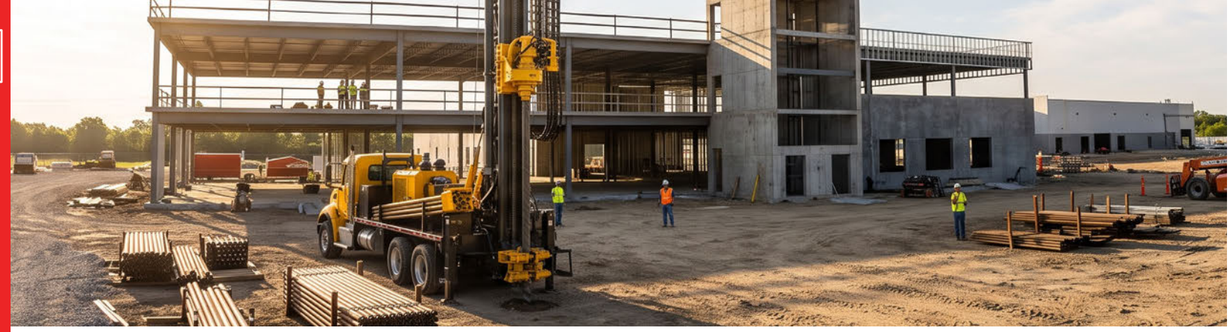
2" Flat Handrail (Brushed Stainless)



4" Flat Handrail (Brushed Stainless)

Contact Us:
IDECElevatorProducts.com
1900 Australian Ave, Riviera Beach, FL 33404
954.618.0770

Integrated Elevator Solutions



Chesapeake Drilling Corporation
SALISBURY, MD 410.33.HOLES

Hydraulic Elevator Hole Specialists

Through our relationship with Chesapeake Drilling Corporation (CDC), we can connect our customers with specialized drilling capabilities for hydraulic elevator installations and modernization projects.

CDC is a full-service drilling company with extensive experience in the elevator industry and a particular focus on hydraulic elevator holes. Their experienced team and specialized equipment allow us to support projects across a wide range of diameters, ground conditions, and site requirements throughout the Eastern United States and into the Midwest.

Whether a project requires drilling inside an existing building or outside on new construction, CDC has the equipment and expertise to navigate both rock and non-rock formations and challenging jobsite conditions.

Drilling Capabilities

Working with CDC gives our customers access to a broad range of specialized drilling services, including:

Truck-Mounted Drilling
For exterior applications and projects where direct equipment access is available.

All Phases of Modernization Drilling
Specialized drilling support for hydraulic elevator modernization projects and existing buildings.

Rock Drilling
Equipment and experience to handle challenging rock formations and difficult site conditions.

Overdrills
Additional drilling capabilities to accommodate specific project and installation requirements.

Indoor Skid Applications
Portable drilling capabilities designed for interior applications and jobsites with limited access.

Steel & PVC Watertight Installation
Installation capabilities designed to support the requirements of hydraulic elevator applications.

Large-Diameter Drilling
Capabilities for projects requiring larger-diameter elevator holes and specialized applications.

Why We Work With CDC

Experienced Team
CDC brings more than 50 years of combined experience to the projects we support, giving our customers access to a team that understands the unique demands of elevator drilling.

Complete Drilling Capabilities
From standard applications to large-diameter drilling in rock and non-rock formations, we can connect our customers with the equipment and expertise needed for a wide range of project conditions.

Inside & Outside Applications
Whether the project calls for an interior portable skid application or exterior truck-mounted drilling, CDC provides solutions for both new construction and modernization work.

Proven Experience
CDC has performed work in demanding environments including government facilities, military bases, airports, hospitals, schools, universities, and other complex jobsites.



Proven Across Complex Projects

CDC's experience includes work on notable projects and facilities across the region, demonstrating the depth of expertise we can bring into our customers' projects through our affiliated network.

Together, DEM and CDC help connect elevator equipment and specialized drilling expertise, giving our customers another way to simplify coordination and keep projects moving.

Notable Projects

- ★ Arlington National Cemetery
- ★ Smithsonian Museum of Natural History
- ★ NASA Wallops Island
- ★ U.S. Naval Academy
- ★ Ronald Reagan Washington National Airport
- ★ United States Mint at Philadelphia
- ★ National Museum of the Marine Corps
- ★ Smithsonian's National Zoo
- ★ Washington Metropolitan Area Transit Authority
- ★ Naval Station Norfolk

Contact Us:
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Integrated Elevator Solutions



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