



WE MAKE ELEVATORS EASIER FOR YOU

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OVERVIEW

ABOUT MEI

Since 1971, MEI Total Elevator Solutions has been delivering confidence in vertical transportation through expert craftsmanship and hands-on service. Headquartered in Mankato, Minnesota, MEI manufactures robust custom elevators and components used in all 50 states and throughout North America.

The company specializes in elevator manufacturing, modernization, installation, and service—with a focus on minimizing unplanned downtime. MEI's dedicated field teams serve customers throughout the Midwest, offering fast, responsive support and preventative maintenance to keep your business moving.

MEI is a licensed, insured, and bonded elevator contractor, a qualifying small business, and a proud member of the National Association of Elevator Contractors. All MEI equipment is built in the USA and engineered to meet or exceed ASME A17.1 / CSA B44 safety code standards.



MEI THROUGH THE YEARS

HISTORY & MILESTONES

Since 1971, MEI has built a legacy of reliability, innovation, and customer-focused service. From our origins as a one-man operation near Mankato, Minnesota, we've grown into a leading elevator provider throughout North America known for quality and dependability.

OUR JOURNEY

1970s – Founding Excellence

1971 John Romnes founded Minnesota Elevator Inc. (MEI) from a rented farmhouse near Mankato, MN.

1973 MEI fabricated and installed its first freight elevator.

1975 Completed and installed MEI's first custom-built passenger elevator.



John Romnes | MEI Founder and CEO | Then + Now

1980s – Rapid Growth

Workforce was expanded significantly, reaching nearly 60 employees by 1990.

Invested in a dedicated manufacturing facility, laying groundwork for future expansion.



ACQUISITIONS

- 2009** Badger Elevator | Milwaukee, WI
- 2010** Dynatron Elevator | Kansas City, KS
- 2011** Lagerquist Elevator | Duluth, MN
- 2012** CemcoLIFT | Hatfield, PA
- 2015** Precision Elevator Service | Denver, CO
- 2016** Michigan Elevator | Detroit, MI
- 2016** Wagner Scavenger Pump | Mt. Vernon, IA
- 2017** Express Elevator Co | St Joseph, MO
- 2018** Eagle Elevator Corp | Kansas City, MO
- 2018** B&D Elevator Services | Lansing, MI
- 2020** Code Data Plate | Houston, TX
- 2020** Vertitron | Mankato, MN
- 2022** Interstate Elevator | Topeka, KS
- 2023** All About Signs, Auto Trim Design of Owatonna and Sign Pro of Owatonna | Owatonna, MN
- 2025** Archi-Tread | Rosenberg, TX

1989 John acquired California based Vertitron as a separate company.

1990s – Expansion and Capability

1993 Marked the completion of the 1,000th new construction elevator.

Expanded the workforce to 178 employees.

Continued investment in and expansion of manufacturing capabilities.

2000s – Turning Point

MEI experienced significant headwinds in 2004-2007. Rick Lowenberg was brought on as a consultant and later named MEI President.

2007 Recognized by the Turnaround Management Association's "Turnaround of the Year" award after refocusing our core business initiatives.

Began developing a regional presence through strategic acquisitions in Milwaukee, WI (2009) and Kansas City, MO (2010).

2010s – National Sales Presence & Midwest Service Expansion

2012 Rebranded from Minnesota Elevator Inc. to MEI Total Elevator Solutions.

2012 Acquired CEMCO Lift, cementing a strong partnership with Otis Elevator.

Established additional service branches in Duluth (2011), Denver (2015), Detroit (2016), and St. Louis (2017).

Continued to expand Mankato headquarters, adding 20,000 sq. ft (2015) and an additional 11,000 sq. ft (2018).

2020s – Continued Growth, Innovations & Diversification

2020 Surpassed 9,000 elevators actively serviced.

2020 MEI fully acquired Vertitron Midwest, integrating elevator control manufacturing.

2024 Launched MEI Connect®, a cellular replacement for elevator emergency phone lines.

2025 Completed a 33,500 sq. ft addition, expanding headquarters to over 150,000 sq. ft of manufacturing space, and surpassing 325 employees.

COMMITTED TO THE FUTURE

MEI remains dedicated to ongoing innovation and growth. We will continue investing in advanced technologies, expanding our capabilities, and responding proactively to evolving customer needs. As your trusted elevator partner, we strive to provide reliable, forward-thinking solutions—today and well into the future.

FACILITY EXPANSIONS:

1974 - Built first shop + warehouse | 1,728 sq. ft.

1980's - 3 expansions | 6,000 + 4,200 + 1,200 sq. ft.

1990's - 3 expansions | 7,200 + 10,556 + 16,000 sq. ft.

2000's - 1 expansion | 33,244 sq. ft.
1st laser + powder coat purchase

2010's - 2 expansions | 20,000 + 11,000 sq. ft.

2025 - 2 expansions | 21,200 + 13,590 sq. ft.
2nd laser, 2nd powder coat + 2 new brakes purchased

WHO WE ARE



Finishing a home build with Habitat for Humanity in Kansas City.



A NOTE FROM OUR FOUNDER

For many years, MEI has been involved in giving and investing in various charitable organizations, both at home and abroad. We believe—and continue to see—that MEI has a purpose that goes far beyond elevators, and that purpose is simply to do good by helping others. We are not here just for ourselves. I have said many times, ‘When God blesses us, He often has others in mind.’ When we help others, it can enable them to help someone else—and that creates a ripple effect that continues on.

JOHN ROMNES - CEO & FOUNDER



Rebuilding homes with the Christian Appalachian Project in Kentucky.



Packing meals with Feed My Starving Children.



Preparing weekend food boxes with the Hunger Task Force in Wisconsin.

At MEI, giving back isn't just a side initiative—it's part of who we are. Inspired by the belief that our purpose extends far beyond elevators, we're building compassion and generosity into the core of our culture.

Through our Outreach and Engagement program, launched in 2019, employees are encouraged to learn about real needs, give their time and talents, and take action to create lasting impact. This shared commitment to doing good inspires meaningful change—within our team, our communities, and the world around us.



John Romnes,
CEO, serving at
a build site.



Visiting our Compassion
International child
development center in
the Dominican Republic.

MISSION

WORKING TOGETHER TO BE THE BEST.

CORE VALUES

CONTINUOUS IMPROVEMENT: We relentlessly pursue smarter solutions to elevate our people, processes, products, and services.

EFFECTIVENESS: We act with purpose, focus on what matters most, create win-win outcomes, listen to understand, collaborate for better solutions, and continually strengthen ourselves and our work.

TRUST: Reflected in both our character and competence, we build credibility through our intentions, integrity, capabilities, and consistency.

LISTENING FIRST: Seeking to truly understand others, their words, meaning, and perspective, before seeking to be understood.

TALENT SELECTION: We hire, develop, and promote people who are hungry, humble, and smart.

COMPASSION & GENEROSITY: We care about the needs of others and, when feasible, confirm our caring with action, giving generously without hidden agendas.

COMMUNITY OUTREACH & ENGAGEMENT

Your business enables MEI to donate a portion of our profits to help make a positive difference in lives locally, nationally and abroad.

OUR 6 PILLARS OF GIVING

VETERAN SUPPORT

We proudly honor our veteran heroes, first responders, and their families by funding housing needs, mental health care, physical therapy, education, and a range of critical services that honor their sacrifice and help them move forward with strength and dignity.

HOMELESSNESS + UNHOUSED SUPPORT

We partner with organizations that provide shelter, food, mental health services, and guidance to help unhoused individuals and families regain stability and break the cycle of homelessness.

FOOD INSECURITY + CLEAN WATER

We support food banks and community shelves across the U.S. and fund global initiatives that provide food, clean water, and long-term sustainable solutions for communities in developing countries.

HUMAN TRAFFICKING

We stand with U.S.-based and global initiatives that rescue victims, prevent exploitation, and provide trauma recovery and restoration—holding firm against trafficking and modern-day slavery.

YOUTH DEVELOPMENT

We invest in the next generation by supporting programs that meet children's basic needs and build life skills, education, spiritual growth, and resilience to equip them for lifelong success.

DISASTER RELIEF

When disaster strikes, we back the efforts of trusted organizations to provide emergency food, water, medical care, and shelter, while also aiding the long-term recovery and stability of affected communities.

[learn.give.do.](https://learn.give.do)

THE MEI DIFFERENCE



PRODUCT SUPPORT CONTACT:

Phone/Text: 507-407-6550 | Phone: 800-944-1811 | product.support@meiusa.com

FIELD OPERATIONS

From small-town schools to large healthcare campuses, MEI's field teams deliver the responsive, professional service customers count on to keep their business running smoothly.

Whether you require preventative maintenance, emergency repair, system modernization, or new construction, MEI provides expert solutions tailored to your building's needs.



EXPERTISE YOU CAN COUNT ON

Trust MEI to cover the full lifecycle of your elevator

COMPREHENSIVE ELEVATOR SOLUTIONS

Routine inspections and adjustments extend equipment life and reduce unexpected outages, keeping your business moving and protecting your investment.

24/7 EMERGENCY REPAIR

When the unexpected happens, our team is ready to respond—anytime, any day. Local mechanics are available in all service areas for a fast response.

MODERNIZATIONS

Aging elevators increase the risk of breakdowns, entrapments, and code violations. MEI upgrades equipment with cost-effective, non-proprietary solutions that improve safety, ride quality, and reliability—all while ensuring code compliance.

NEW CONSTRUCTION

From the earliest bid phase through final inspection, MEI provides complete elevator installation and site coordination.

MEI CONNECT®

A cellular-based emergency phone line that replaces outdated copper lines. MEI CONNECT® is code-compliant, cost-efficient, and installed by MEI's experienced mechanics.

KEEPING YOUR BUSINESS MOVING





WHY MEI STANDS OUT

Reliable response times from dedicated local teams

Factory-trained technicians experienced with all elevator makes and models

Flexible service plans tailored to your building's needs and budget

Proactive lifecycle planning to help avoid costly surprises

Hands-on customer service that keeps you informed every step of the way

When unplanned elevator downtime disrupts your business, MEI's team is ready to step in. Plan with confidence knowing you'll always get a fast, reliable response, have access to a local service team, and minimize downtime in your building.

SERVICE AREAS

MEI's growing network of service locations ensures that help is never far away. Each location is staffed with mechanics who understand the codes, environments, and building types unique to their region.

LOCATIONS THROUGHOUT THE MIDWEST

MANKATO, MN 507.207.2379
TWIN CITIES, MN 612.338.3774
DULUTH, MN 218.722.9600
ST. CLOUD, MN 320.200.1395
FARGO, ND 701.707.9869
MADISON, WI 608.535.4547
MILWAUKEE, WI 888.281.4062
COLORADO SPRINGS, CO 720.639.8767
DENVER, CO 720.639.8767
KANSAS CITY, KS 816.221.3778
TOPEKA, KS 816.221.3778
DETROIT, MI 248.486.4017
LANSING, MI 866.323.3538
ST. LOUIS, MO 314.282.8250
SPRINGFIELD, MO 417.450.4617



SCAN THE QR CODE
BELOW TO FIND
YOUR LOCAL SERVICE
LOCATION.





MEI CAPABILITIES

MANUFACTURING CUSTOM SOLUTIONS, BUILT TO LAST

Custom is our standard. Every elevator is individually engineered to meet the specifications and needs of the building, the user, and the environment. This approach allows us to deliver dependable solutions across a wide range of industries and project types.



OUR COMMITMENT: MEI is built on a foundation of expert engineering, dependable manufacturing, and dedicated customer support. Every project, large or small, receives the same attention to detail and commitment to quality.



CAPABILITIES + EQUIPMENT HIGHLIGHTS

SPECIALIZED CUSTOM APPLICATIONS

- Cars with front, rear, and side openings
- Uncommon platform shapes for tight or unique spaces
- Automobile and semi-truck lifts for commercial and industrial use
- Heavy-duty freight and passenger elevators capable of 120 starts per hour

VOLUME, PRODUCTION AND SPEED

- Approximately 500 elevators manufactured annually
- Built at MEI's state-of-the-art headquarters in Mankato, MN
- Custom passenger, freight, and service elevators shipped across North America
- Thousands of standalone power units, doors, oil coolers, and other components produced

CUSTOMER PARTNERSHIPS

- Major national elevator companies requiring specialized solutions
- Independent elevator contractors across the U.S.

INSTALLATION EXPERIENCE THAT INFORMS OUR DESIGNS

MEI engineers rely on direct feedback from the mechanics who install our elevators to refine equipment design—making installation easier and boosting long-term reliability. Field insights help ensure our products remain both high-performing and practical to install.

Mechanic-Friendly Design: Products engineered with the installer in mind

Hands-On Field Experience:

Engineering teams apply real-world feedback to product improvements

Reliable Product Support: Reduces onsite issues and improves project timelines

ELEVATOR PACKAGE INSTALLATION TRAINING

DESIGNED TO KEEP YOUR PROJECTS *MOVING*

At MEI, project success starts long before the first bolt is tightened. That's why MEI offers comprehensive elevator package training—ensuring your team has the knowledge, tools, and confidence to complete installations accurately and efficiently.

Available in-person or virtually, MEI's training opportunities are designed around your specific project, helping keep installations on time, within budget, and built to last.

TRAINING OPPORTUNITIES INCLUDE:

Project-Specific Training

Get hands-on, detailed instruction tailored to the elevator package you've purchased. MEI's experts ensure your installation team is familiar with every component before the work begins.

Manual Review and Walkthrough

Our trainers walk through all manuals, highlighting critical steps and installation best practices. Installers can take notes directly in the manual for quick reference during installation.

Full-Scale Demonstrations

Inspect real project components—slings, platforms, cabs, and more—before installation begins. A hands-on approach reduces surprises in the field and ensures fit and function.

Ongoing Product Support

Even after training is complete, MEI's Product Support Representatives are ready to assist with any questions during and after installation, ensuring a smooth project closeout.

Flexible Training Options

In-Person Training: Engage directly with MEI's experts at MEI's facilities.

Virtual Training: Receive instruction remotely to fit your team's schedule.



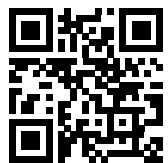
BUILD CONFIDENCE BEFORE CONSTRUCTION BEGINS

Ask your Project Manager for more information or to schedule your customized training session today.



PACKAGES

MEI partners with suppliers and vendors nationwide to engineer and manufacture robust, custom elevator packages for specialized markets. From transit systems to healthcare facilities, our code-compliant systems are built to spec and supported with expert engineering, clear communication, and dependable lead times. Each package is designed for reliability, easy installation, and long-term performance—so you can deliver with confidence.



 **MADE IN THE USA**

MARKETS SERVED

- Government facilities and those with “Buy American” requirements
- Data centers, industrial plants, and warehouses
- Churches, schools, and universities
- Convention centers, stadiums, and arenas
- Airports, transit hubs, and municipal facilities
- Hotels, healthcare campuses, and multi-family housing



WHITEFACE MOUNTAIN | WILMINGTON, NY



TARGET FIELD | MINNEAPOLIS, MN



US BANK STADIUM | MINNEAPOLIS, MN



BARCLAYS CENTER | BROOKLYN, NY



BARBER MOTORSPORTS MUSEUM | LEEDS, AL



NAT. MUSEUM OF AFRICAN AM. HISTORY & CULTURE | WASHINGTON DC



GRAND CENTRAL STATION | NYC, NY



WRIGLEY FIELD | CHICAGO, IL



WASHINGTON DULLES INTERNATIONAL AIRPORT | DULLES, VA

MEI supports a broad range of vertical transportation, providing custom elevator systems for data centers, manufacturing facilities, hospitals, academic institutions, and more. Our engineering and manufacturing teams are experienced in designing solutions that meet the distinct performance, space, and code requirements of each environment. From high-capacity freight to secure, mission-critical applications, we build for reliability where it matters most.

HEAVY DUTY FREIGHT & PASSENGER ELEVATORS

EXCEPTIONAL QUALITY & SUPPORT

MEI's heavy-duty freight & passenger elevator packages are purpose-built for the demands of data centers. Whether moving server racks, UPS modules, or air handling equipment, MEI elevators deliver robust performance and engineered reliability for 24/7 operation.

YOUR TRUSTED PARTNER
FOR DATA CENTER VERTICAL
TRANSPORTATION



DELIVERING CONFIDENCE FROM QUOTE THROUGH INSTALLATION

THE MEI ADVANTAGE

Industry-Leading Warranty

Backed by a 5-year warranty for long-term confidence and performance.

Nonproprietary Components

Built with nonproprietary components to keep service flexible, accessible, and on your terms.

Compliance-Driven Solutions

Bid to your project's specifications — no surprises.

Heavy-Duty Capabilities

Engineered for heavy loads — ask about C1, C2, and C3 loading classes and how MEI can customize solutions to meet your project's unique demands.

Made in the USA

Proudly manufactured in the U.S. for dependable quality, fast lead times, and responsive support.

Diverse package Options

Traction and Hydraulic elevators:

1. Geared Traction elevators — up to 20,000 lb. capacity
2. Roped Hydraulic elevators — up to 25,000 lb. capacity
3. Holeless Hydraulic elevators — up to 65,000 lb. capacity
4. In-Ground Hydraulic elevators — up to 80,000 lb. capacity

DATA CENTERS DEMAND MORE AND WE DELIVER

- Built for scale
- Engineered for longevity
- Supported every step of the way
- Designed for demanding environments

RECOMMENDATIONS FOR HEAVY DUTY ELEVATORS

For applications that demand reliable performance under frequent use, MEI recommends the following features to maximize durability and efficiency:

- 120 SPH (Starts Per Hour) Motor
- Single and Dual Oil Cooler Options
- Nickel Silver or Stainless-Steel Sills
- Robust Loading Class (C1, C2, or C3)
- ¼" Steel or Stainless-Steel Subfloor
- Stainless Steel or Wood Bumper Rails
- Well-Conditioned Machine Room



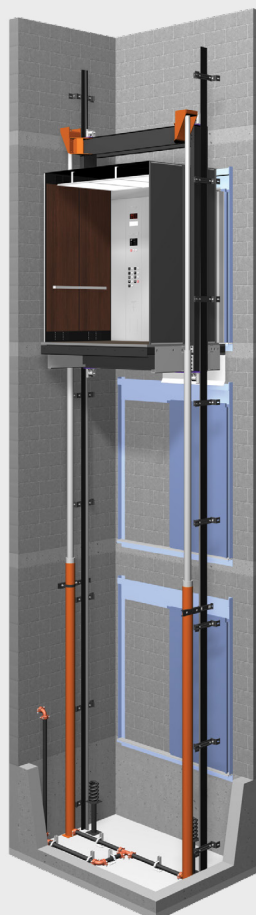
MEI is a North American leader in the design and production of elevator systems for the hydraulic and geared traction market. Below is an overview of MEI's capabilities.

		In-Ground	Holeless Twin Jack - Single Stage	Holeless Twin Jack - Two Stage	Holeless Twin Jack - Three Stage	Holeless Single Jack - Cantilevered	Roped Hydro Twin Jack	Roped Hydro Cantilevered	Traction Geared	Traction MRL Machine- Room Less
See Page #		23	25	25	26	27	28	29	32	30
PASSENGER	2,100 lb - 4,500 lb	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Standard & Custom Cabs	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Maximum Travel (ft)	130	20	45	60	40	100	75	300	200
	Maximum Car Speed (FPM)	200	200	200	200	200	200	200	500	500
	Class A, C1 & C3 Loading	✓	✓	✓	✓	Class A	✓	Class A	✓	✓
	5,000 lb - 20,000 lb	✓	✓	✓	✓	x	✓	x	✓	x
	Standard & Custom Cabs	✓	✓	✓	✓	x	✓	x	✓	x
	Maximum Travel (ft)	130	20	45	45	x	100	x	300	x
	Maximum Car Speed (FPM)	200	200	200	200	x	175	x	100-500	x
	Class A, C1 & C3 Loading	✓	✓	✓	✓	x	✓	x	✓	x
See Page #		34	36	36	37	x	38	x	39	x
FREIGHT	4,000 lb - 6,000 lb	✓	✓	✓	✓	x	✓	x	✓	x
	Class A, B, C1, C2, C3 Loading	✓	✓	✓	✓	x	✓	x	✓	x
	Maximum Travel (ft)	130	20	45	60	x	100	x	300	x
	Maximum Car Speed (FPM)	200	200	200	200	x	200	x	350	x
	6,500 lb - 20,000 lb	✓	✓	✓	✓	x	✓	x	✓	x
	Class A, B, C1, C2, C3 Loading	✓	✓	✓	✓	x	✓	x	✓	x
	Front & Rear Openings	✓	✓	✓	✓	x	✓	x	✓	x
	Maximum Travel (ft)	130	20	45	45	x	100	x	300	x
	Maximum Car Speed (FPM)	200	175	175	175	x	175	x	150-350	x
	25,000 lb - 40,000 lb	✓	x	x	x	x	x	x	x	x
	Class A, B, C1, C2, C3 Loading	✓	x	x	x	x	x	x	x	x
	Maximum Travel (ft)	130	x	x	x	x	x	x	x	x
	Maximum Car Speed (FPM)	100	x	x	x	x	x	x	x	x
	40,000 lb - 120,000 lb	✓	x	x	x	x	x	x	x	x
	Class A, B, C1, C2, C3 Loading	✓	x	x	x	x	x	x	x	x
	Maximum Travel (ft)	130	x	x	x	x	x	x	x	x
	Maximum Car Speed (FPM)	30-60	x	x	x	x	x	x	x	x

IN-GROUND



This traditional system uses a single-stage hydraulic jack centered under the platform and installed into the ground. It's a longstanding solution widely used in low- to mid-rise applications.

TWIN JACK HOLELESS
(1, 2, OR 3 STAGE)

This system uses two hydraulic jacks—single-stage or telescopic—mounted on both sides of the car. It delivers added structural stability and eliminates in-ground drilling.

ROPED HYDRAULIC



This system lifts the car at a 1:2 ratio using wire ropes and two hydraulic jacks. Jacks are mounted on both sides of the car, offering enhanced lift stability for large cars.

ADVANTAGES

- Typically lowest material cost
- Minimal pit and overhead required
- Serves low- and high-capacity cars
- Simplest system to install

- No soil contamination risk
- Supports front and rear openings
- Telescopic jacks reduce overhead requirements
- Serves low- and high-capacity cars
- Ideal for up to four-stop elevators

- No jack hole or drilling needed
- Supports front and rear openings
- Minimal pit and overhead required
- Serves high-capacity elevators
- Stable lift for wider car dimensions

AVAILABLE FOR PASSENGER & FREIGHT APPLICATIONS

TRACTION



This geared traction system uses ropes and counterweights. The drive is mounted above or beside the hoistway, offering efficient travel with long rise capability.

MRL - RAIL MOUNTED



This gearless system installs all machinery in the hoistway. Guide rails and counterweights are sidemounted. Only a small control room is needed, saving floor space.

MRL - POCKET MOUNTED



This gearless system is similar to rail-mounted MRL, but offers a reduced overhead. Equipment is housed in-hoistway, with rails and counterweights side-mounted.

ADVANTAGES

- No oil risk to ground or site
- Supports front and rear openings
- Serves low- and high-capacity cars
- Allows greater travel distances
- Higher efficiency and speed over hydraulic applications
- Available for passenger & freight applications

- Requires a compact control room
- Lower rooftop projection height
- Building doesn't carry elevator load
- More efficient than hydraulics
- Enables faster car operation speeds

- Compact control room setup only
- Lower rooftop impact than traction
- Reduced overhead vs. rail MRL
- Improved energy use vs. hydraulics
- Enables faster car operation speeds

PASSENGER ELEVATORS



Designed for high-traffic environments, MEI passenger elevators deliver smooth rides, reliable performance, and code-compliant safety. Each system is custom-built with non-proprietary components to meet your specifications—balancing durability, aesthetics, and ease of use.

RECOMMENDED OPTIONS



Submersible Power Unit
See page 54



Oil Cooler (heavy usage)
See page 62



Low Pressure Switch
See page 67

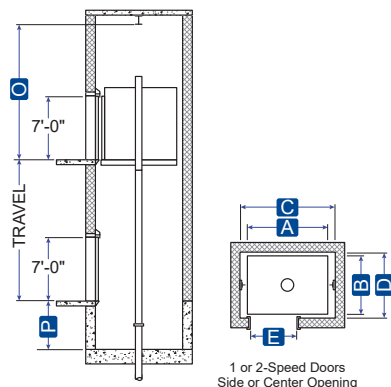


Wagner Pump
See page 67

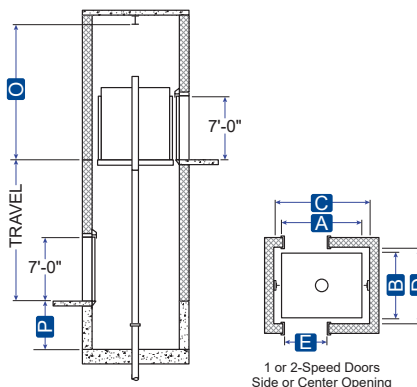
ENGINEERED TO ORDER: Contact MEI for sizes or capacities outside of listed ranges. **VERIFY:** All dimensions with MEI prior to construction. Code year adoptions, local code variations, customer options and specifications may affect the hoistway size.



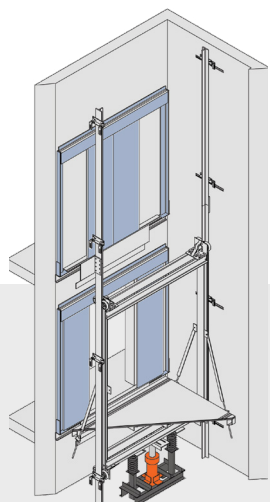
Single Opening (F)



Double Opening (F/R)



- A** = Platform Width
B = Platform Depth
C = Hoistway Width
D = Hoistway Depth
E = Clear Door Opening
O = Overhead
P = Pit Depth



APPLICATION SUMMARY

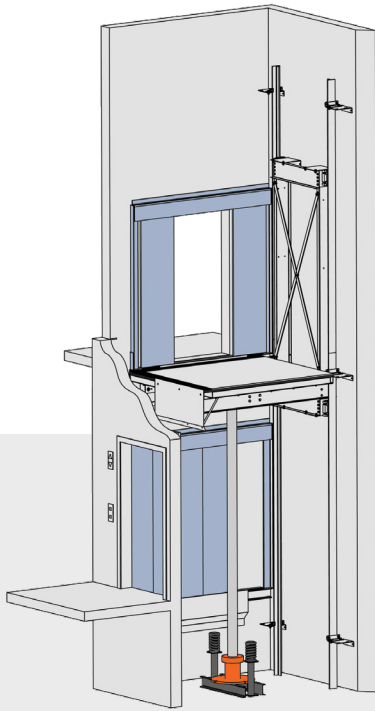
This design uses a single-stage hydraulic jack installed in the ground. The jack is placed directly under the car, near the center of the platform.

ADVANTAGES

- Typically the lowest material cost option
- Supports front and rear openings in any layout
- No need for a deep pit or extended overhead
- Suitable for both low- and high-capacity cars
- Easiest equipment package to install across applications
- Capacities up to 120,000 lbs

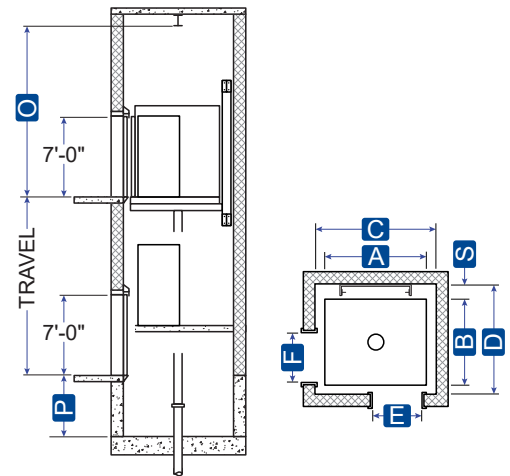
Contact MEI for sizes and options not listed.

	Capacity (lbs)	Platform A x B	Hoistway C x D	Front/ Rear	Laminate Clear Inside W x D	Door Type	Door Width E
LOW CAPACITY	2100	6'-0" x 5'-1"	7'-4" x 5'-9"	F	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2100	6'-0" x 5'-8"	7'-4" x 6'-8 1/2"	F/R	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2500	7'-0" x 5'-1"	8'-4" x 5'-9"	F	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	2500	7'-0" x 5'-8"	8'-4" x 6'-8 1/2"	F/R	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	3000	7'-0" x 5'-6"	8'-4" x 6'-2"	F	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3000	7'-0" x 6'-1"	8'-4" x 7'-1 1/2"	F/R	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-2"	8'-4" x 6'-10"	F	6'-9" x 5'-4 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-9"	8'-4" x 7'-9 1/2"	F/R	6'-9" x 5'-4 1/2"	1-SP	3'-6"
	4000	8'-0" x 6'-2"	9'-4" x 7'-0"	F	7'-9" x 5'-3"	2-SP	4'-0"
	4000	8'-0" x 6'-8"	9'-4" x 7'-11 1/2"	F/R	7'-9" x 5'-0 1/2"	2-SP	4'-0"
HOSPITAL	3500H	5'-4" x 8'-4"	6'-8" x 9'-2"	F	5'-1" x 7'-5"	2-SP	3'-6"
	3500H	5'-4" x 9'-0 1/2"	6'-8" x 10'-4"	F/R	5'-1" x 7'-5"	2-SP	3'-6"
	4000H	6'-0" x 8'-5"	7'-4" x 9'-3"	F	5'-9" x 7'-6"	2-SP	4'-0"
	4000H	6'-0" x 9'-1 1/2"	7'-4" x 10'-5"	F/R	5'-9" x 7'-6"	2-SP	4'-0"
	4500H	6'-0" x 9'-2"	7'-4" x 10'-0"	F	5'-9" x 8'-3"	2-SP	4'-0"
	4500H	6'-0" x 9'-10 1/2"	7'-4" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"
	5000H	6'-0" x 9'-7 1/2"	7'-6" x 10'-5 1/2"	F	5'-9" x 8'-8"	2-SP	4'-0"
	5000H	6'-0" x 10'-3 1/2"	7'-6" x 11'-7"	F/R	5'-9" x 8'-8"	2-SP	4'-0"
	6000	7'-0" x 8'-6"	8'-6" x 9'-4"	F	6'-9" x 7'-7"	2-SP	4'-0"
	6000	7'-0" x 9'-2 1/2"	8'-6" x 10'-6"	F/R	6'-9" x 7'-7"	2-SP	4'-0"
HIGH CAPACITY	8000	8'-4" x 10'-0"	9'-10" x 10'-10"	F	8'-1" x 9'-1"	2-SP	4'-0"
	8000	8'-4" x 10'-8 1/2"	9'-10" x 12'-0"	F/R	8'-1" x 9'-1"	2-SP	4'-0"
	10000	8'-4" x 11'-8 1/2"	9'-10" x 12'-6 1/2"	F	8'-1" x 10'-9 1/2"	2-SP	4'-0"
	10000	8'-4" x 12'-5"	9'-10" x 13'-8 1/2"	F/R	8'-1" x 10'-9 1/2"	2-SP	4'-0"
	12000	10'-4" x 11'-6"	11'-10" x 12'-4"	F	10'-1" x 10'-7"	2-SP	4'-0"
	12000	10'-4" x 12'-2 1/2"	11'-10" x 13'-6"	F/R	10'-1" x 10'-7"	2-SP	4'-0"
	15000	12'-0" x 11'-5"	13'-6" x 12'-3"	F	11'-9" x 10'-6"	2-SP	4'-0"
	15000	12'-0" x 12'-1 1/2"	13'-6" x 13'-5"	F/R	11'-9" x 10'-6"	2-SP	4'-0"
P Pit Depth = 4'-0" • O Minimum Overhead = 12'-0" • Cab Height = 8'-0"							



Double Opening (F/S) Rear Slung Shown

- A** = Platform Width
- B** = Platform Depth
- C** = Hoistway Width
- D** = Hoistway Depth
- E** = Clear Door Opening
- F** = Clear Door Opening
- O** = Overhead
- P** = Pit Depth
- S** = Platform to Wall



APPLICATION SUMMARY

This application is used with front and side opening elevators. Rails and brackets are mounted along one hoistway wall. Dimensions shown are examples only; please contact MEI for job-specific layouts.

ADVANTAGES

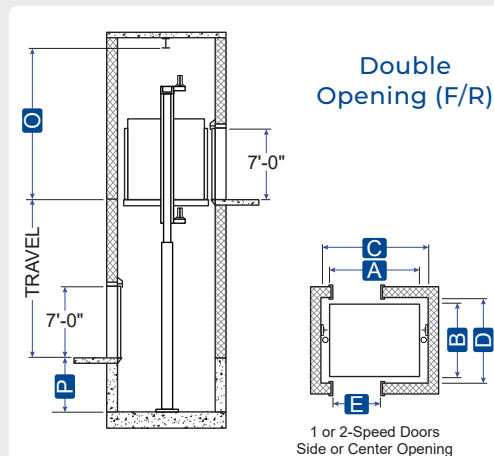
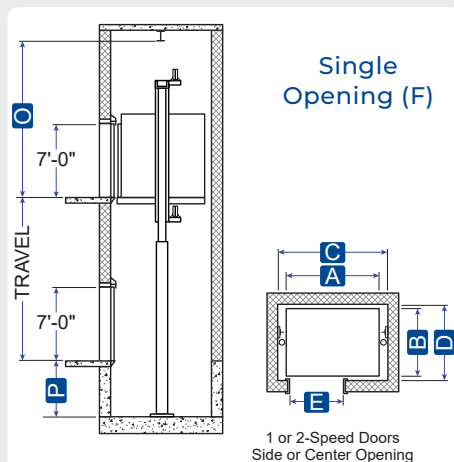
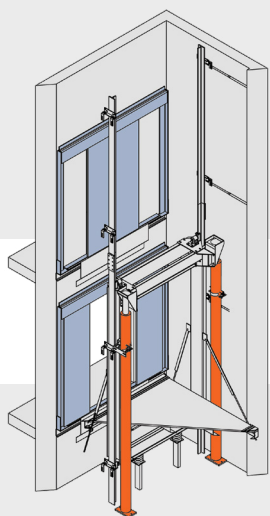
- Supports front and side openings
- No need for a deep pit or extended overhead
- Available for both low- and high-capacity cars

Contact MEI for sizes and options not listed.

	Cap. (lbs)	Platform A × B	Hoistway C × D	Laminate Clear Inside W x D	Platform to Wall S	Front Door		Side Door	
						Type	Width E	Type	Width F
LOW CAPACITY	2100	6'-5 1/2" x 5'-1 1/4"	7'-8" x 6'-8 1/2"	5'-9" x 4'-3 1/2"	13"	1-SP	3'-0"	2-SP	3'-0"
	2500	7'-5 1/2" x 5'-1 1/4"	8'-8" x 6'-8 1/2"	6'-9" x 4'-3 1/2"	13"	1-SP	3'-6"	2-SP	3'-0"
	3000	7'-5 1/2" x 5'-6 1/4"	8'-8" x 7'-1 1/2"	6'-9" x 4'-8 1/2"	13"	1-SP	3'-6"	2-SP	3'-6"
	3500	7'-5 1/2" x 6'-2 1/4"	8'-8" x 7'-9 1/2"	6'-9" x 5'-4 1/2"	13"	1-SP	3'-6"	2-SP	3'-6"
	4000	8'-5 1/2" x 6'-0 3/4"	9'-8" x 7'-8"	7'-9" x 5'-3"	13"	1-SP	4'-0"	2-SP	3'-6"
	4500	8'-0" x 6'-11 1/4"	9'-2" x 8'-6 1/2"	7'-3 1/2" x 6'-1 1/2"	13"	1-SP	3'-6"	2-SP	4'-0"
	5000	8'-0" x 7'-11 1/4"	9'-2" x 9'-6 1/2"	7'-3 1/2" x 7'-1 1/2"	13"	1-SP	3'-6"	2-SP	4'-0"
	6000	8'-0" x 8'-11 1/4"	9'-1" x 10'-6 1/2"	7'-5" x 8'-1 1/2"	13"	1-SP	3'-6"	1-SP	4'-0"
	7000	9'-0" x 8'-11 1/4"	10'-1" x 10'-8 1/2"	8'-5" x 8'-1 1/2"	15"	1-SP	4'-0"	1-SP	4'-0"
	8000	10'-0" x 8'-11 1/4"	11'-1" x 10'-10 1/2"	9'-5" x 8'-1 1/2"	17"	1-SP	4'-0"	1-SP	4'-0"

Pit Depth = 4'-0" • **O** Minimum Overhead = 12'-5" • Cab Height = 8'-0"

- A** = Platform Width
B = Platform Depth
C = Hoistway Width
D = Hoistway Depth
E = Clear Door Opening
O = Overhead
P = Pit Depth



APPLICATION SUMMARY

This design uses two hydraulic jacks for enhanced structural stability. The jacks, placed on either side of the car, may be single-stage or telescopic based on travel and site conditions. Single-stage jacks are common for two-stop jobs; two-stage telescopic units are suited for three- and four-stop projects.

ADVANTAGES

- No jack hole required—eliminates drilling cost and oil contamination risk
- Supports front and rear openings in any layout
- Suitable for both low- and high-capacity cars

Contact MEI for sizes and options not listed.

	Capacity (lbs)	Platform A x B	Hoistway (1-stage) C x D	Hoistway (2-stage) C x D	Front/ Rear	Laminate Clear Inside W x D	Door Type	Door Width E
LOW CAPACITY	2100	6'-0" x 5'-1"	7'-4" x 5'-9"	7'-9" x 5'-9"	F	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2100	6'-0" x 5'-8"	7'-4" x 6'-8 1/2"	7'-9" x 6'-8 1/2"	F/R	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2500	7'-0" x 5'-1"	8'-4" x 5'-9"	8'-9" x 5'-9"	F	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	2500	7'-0" x 5'-8"	8'-4" x 6'-8 1/2"	8'-9" x 6'-8 1/2"	F/R	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	3000	7'-0" x 5'-6"	8'-4" x 6'-2"	8'-9" x 6'-2"	F	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3000	7'-0" x 6'-1"	8'-4" x 7'-1 1/2"	8'-9" x 7'-1 1/2"	F/R	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-2"	8'-6" x 6'-10"	unchanged	F	6'-9" x 5'-4 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-9"	8'-6" x 7'-9 1/2"	unchanged	F/R	6'-9" x 5'-4 1/2"	1-SP	3'-6"
HOSPITAL	4000	8'-0" x 6'-2"	9'-6" x 7'-0"	9'-9" x 7'-0"	F	7'-9" x 5'-3"	2-SP	4'-0"
	4000	8'-0" x 6'-8"	9'-6" x 7'-11 1/2"	9'-9" x 7'-11 1/2"	F/R	7'-9" x 5'-0 1/2"	2-SP	4'-0"
	3500H	5'-4" x 8'-4"	6'-10" x 9'-2"	7'-1" x 9'-2"	F	5'-1" x 7'-5"	2-SP	3'-6"
	3500H	5'-4" x 9'-0 1/2"	6'-10" x 10'-4"	7'-1" x 10'-4"	F/R	5'-1" x 7'-5"	2-SP	3'-6"
	4000H	6'-0" x 8'-5"	7'-7" x 9'-3"	7'-9" x 9'-3"	F	5'-9" x 7'-6"	2-SP	4'-0"
	4000H	6'-0" x 9'-1 1/2"	7'-7" x 10'-5"	7'-9" x 10'-5"	F/R	5'-9" x 7'-6"	2-SP	4'-0"
	4500H	6'-0" x 9'-2"	7'-7" x 10'-0"	7'-9" x 10'-0"	F	5'-9" x 8'-3"	2-SP	4'-0"
	4500H	6'-0" x 9'-10 1/2"	7'-7" x 11'-2"	7'-9" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"
HIGH CAPACITY	5000H	6'-0" x 9'-7 1/2"	7'-8" x 10'-5 1/2"	7'-9" x 10'-5 1/2"	F	5'-9" x 8'-8"	2-SP	4'-0"
	5000H	6'-0" x 10'-3 1/2"	7'-8" x 11'-7"	7'-9" x 11'-7"	F/R	5'-9" x 8'-8"	2-SP	4'-0"
	6000	7'-0" x 8'-6"	8'-8" x 9'-4"	8'-10" x 9'-4"	F	6'-9" x 7'-7"	2-SP	4'-0"
	6000	7'-0" x 9'-2 1/2"	8'-8" x 10'-6"	8'-10" x 10'-6"	F/R	6'-9" x 7'-7"	2-SP	4'-0"
	8000	8'-4" x 10'-0"	10'-2" x 10'-10"	unchanged	F	8'-1" x 9'-1"	2-SP	4'-0"
	8000	8'-4" x 10'-8 1/2"	10'-2" x 12'-0"	unchanged	F/R	8'-1" x 9'-1"	2-SP	4'-0"
	10000 *	8'-4" x 11'-8 1/2"	10'-4" x 12'-6 1/2"	unchanged	F	8'-1" x 10'-9 1/2"	2-SP	4'-0"
	10000 *	8'-4" x 12'-5"	10'-4" x 13'-8 1/2"	unchanged	F/R	8'-1" x 10'-9 1/2"	2-SP	4'-0"
	12000 *	10'-4" x 11'-6"	12'-6" x 12'-4"	unchanged	F	10'-1" x 10'-7"	2-SP	4'-0"
	12000 *	10'-4" x 12'-2 1/2"	12'-6" x 13'-6"	unchanged	F/R	10'-1" x 10'-7"	2-SP	4'-0"
	15000 *	12'-0" x 11'-5"	14'-4" x 12'-3"	unchanged	F	11'-9" x 10'-6"	2-SP	4'-0"
	15000 *	12'-0" x 12'-1 1/2"	14'-4" x 13'-5"	unchanged	F/R	11'-9" x 10'-6"	2-SP	4'-0"

P Pit Depth = 4'-0" • **O** Minimum Overhead (See Below), * Denotes Minimum Overhead = 12'-5" • Cab Height = 8'-0"

GUIDELINES FOR DETERMINING OVERHEAD REQUIRED:

For 1 Stage Jack

- A) Car Speed = Up to 150 FPM
 B) Top Overtravel = 5"
 C) Bottom Overtravel = 12"
 D) Pit Depth = 4'-0"
 E) Cab Height = 8'-0"

For 2 Stage Jack

- A) Car Speed = Up to 150 FPM
 B) Top Overtravel = 12"
 C) Bottom Overtravel = 10"
 D) Pit Depth = 4'-0"
 E) Cab Height = 8'-0"

One Stage Jack Overhead Requirement:

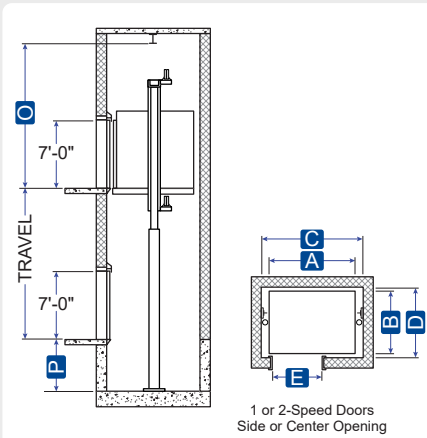
Minimum of 12'-5" overhead required for 11'-0" of travel and under. If over 11'-0" travel, overhead must be 18" greater than total travel.

Two Stage Jack Overhead Requirement:

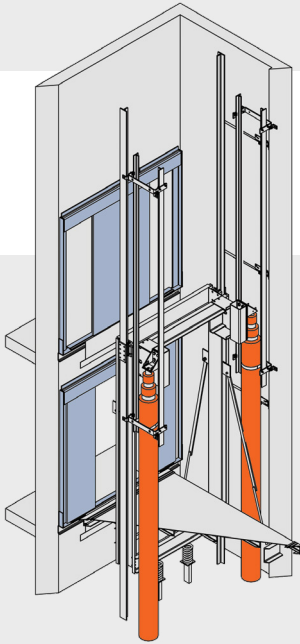
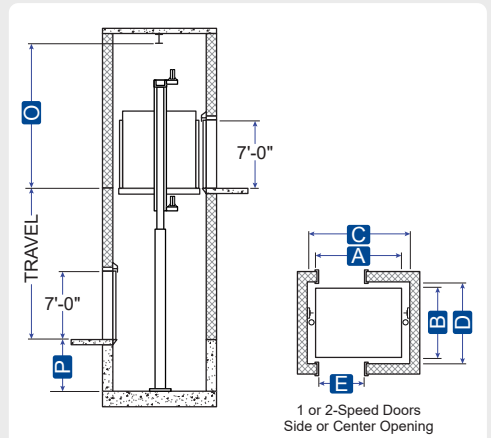
Minimum of 13'-3" overhead required for 20' of travel and under. Add 1/2" to 13'-3" for every additional 1" of travel over 20'-0".

- A** = Platform Width
B = Platform Depth
C = Hoistway Width
D = Hoistway Depth
E = Clear Door Opening
O = Overhead
P = Pit Depth

Single Opening (F)



Double Opening (F/R)



APPLICATION SUMMARY

This design uses two hydraulic jacks to provide strong structural stability. Telescopic jacks are mounted on each side of the car to support smooth, reliable operation.

ADVANTAGES

- No jack hole—avoids drilling cost and oil contamination risk
- Supports front and rear openings in any layout
- Suitable for both low- and high-capacity cars
- Requires less overhead than 2-stage holeless designs

Contact MEI for sizes and options not listed.

	Capacity (lbs)	Platform A x B	Hoistway C x D	Front/ Rear	Laminate Clear Inside W x D	Door Type	Door Width E
LOW CAPACITY	2100	6'-0" x 5'-1"	7'-11" x 5'-9"	F	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2100	6'-0" x 5'-8"	7'-11" x 6'-8 1/2"	F/R	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2500	7'-0" x 5'-1"	8'-11" x 5'-9"	F	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	2500	7'-0" x 5'-8"	8'-11" x 6'-8 1/2"	F/R	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	3000	7'-0" x 5'-6"	8'-11" x 6'-2"	F	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3000	7'-0" x 6'-1"	8'-11" x 7'-1 1/2"	F/R	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-2"	8'-11" x 6'-10"	F	6'-9" x 5'-4 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-9"	8'-11" x 7'-9 1/2"	F/R	6'-9" x 5'-4 1/2"	1-SP	3'-6"
	4000	8'-0" x 6'-2"	9'-11" x 7'-0"	F	7'-9" x 5'-3"	2-SP	4'-0"
	4000	8'-0" x 6'-8"	9'-11" x 7'-11 1/2"	F/R	7'-9" x 5'-0 1/2"	2-SP	4'-0"
HOSPITAL	3500H	5'-4" x 8'-4"	7'-3" x 9'-2"	F	5'-1" x 7'-5"	2-SP	3'-6"
	3500H	5'-4" x 9'-0 1/2"	7'-3" x 10'-4"	F/R	5'-1" x 7'-5"	2-SP	3'-6"
	4000H	6'-0" x 8'-5"	7'-11" x 9'-3"	F	5'-9" x 7'-6"	2-SP	4'-0"
	4000H	6'-0" x 9'-1 1/2"	7'-11" x 10'-5"	F/R	5'-9" x 7'-6"	2-SP	4'-0"
	4500H	6'-0" x 9'-2"	7'-11" x 10'-0"	F	5'-9" x 8'-3"	2-SP	4'-0"
	4500H	6'-0" x 9'-10 1/2"	7'-11" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"
	5000H	6'-0" x 9'-7"	7'-11" x 10'-5"	F	5'-9" x 8'-8"	2-SP	4'-0"
	5000H	6'-0" x 10'-3 1/2"	7'-11" x 11'-7"	F/R	5'-9" x 8'-8"	2-SP	4'-0"
	6000	7'-0" x 8'-6"	8'-11" x 9'-4"	F	6'-9" x 7'-7"	2-SP	4'-0"
	6000	7'-0" x 9'-2 1/2"	8'-11" x 10'-6"	F/R	6'-9" x 7'-7"	2-SP	4'-0"
HIGH CAPACITY	8000	8'-4" x 10'-0"	10'-6" x 10'-10"	F	8'-1" x 9'-1"	2-SP	4'-0"
	8000	8'-4" x 10'-8 1/2"	10'-6" x 12'-0"	F/R	8'-1" x 9'-1"	2-SP	4'-0"
	10000	8'-4" x 11'-8 1/2"	10'-6" x 12'-6 1/2"	F	8'-1" x 10'-9 1/2"	2-SP	4'-0"
	10000	8'-4" x 12'-5"	10'-6" x 13'-8 1/2"	F/R	8'-1" x 10'-9 1/2"	2-SP	4'-0"

P Pit Depth = 4'-0" • **O** Minimum Overhead (See Below) • Cab Height = 8'-0"

GUIDELINES FOR DETERMINING OVERHEAD REQUIRED:

For 3 Stage Jack

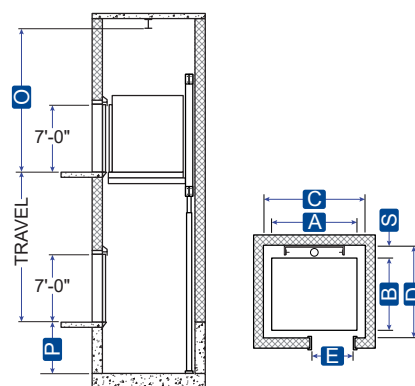
- A) Car Speed = Up to 150 FPM
 B) Top Overtravel = 12"
 C) Bottom Overtravel = 8"
 D) Pit Depth = 4'-0"
 E) Cab Height = 8'-0"

3 Stage Jack Overhead Requirement:

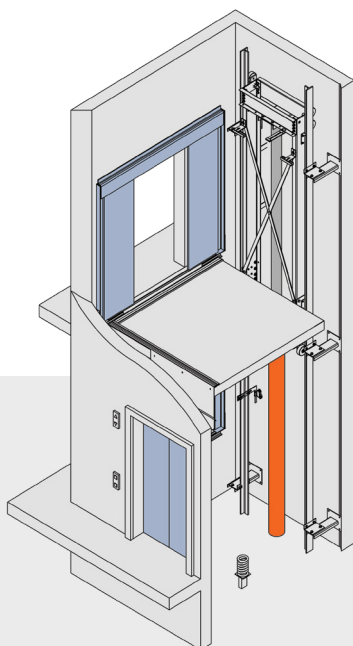
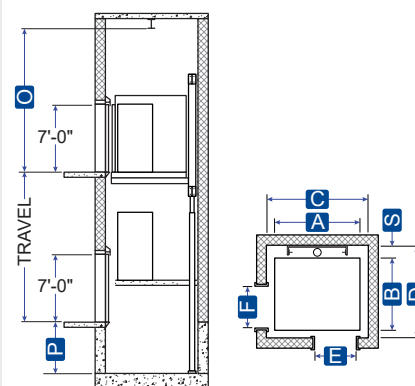
Minimum of 12'-10" overhead required for 30'-6" of travel and under. Add 1/32" to 12'-10" for every additional 1" of travel over 30'-6".

- A** = Platform Width
B = Platform Depth
C = Hoistway Width
D = Hoistway Depth
E = Clear Door Opening
F = Clear Door Opening
O = Overhead
P = Pit Depth
S = Platform to Wall

Single Opening (F)
Rear Slung Shown



Double Opening (F/S)
Rear Slung Shown



APPLICATION SUMMARY

This application is used with front and side opening elevators. Rails and brackets are mounted on one hoistway wall. Dimensions shown are examples only—please contact MEI for job-specific requirements.

ADVANTAGES

- No jack hole required.
- Supports front and side openings.

Contact MEI for sizes and options not listed.

	Cap. (lbs)	Platform A x B	Hoistway C x D	Front/ Side	Laminate Clear Inside W x D	Platform to Wall S	Front Door		Side Door	
							Type	Width E	Type	Width F
LOW CAPACITY	2100	6'-0"x5'-1"	7'-4" x 6'-11 1/4"	F	5'-9" x 4'-3 1/2"	16"	1-SP	3'-0"	-	-
	2100	6'-5 1/2" x 5'-1 1/4"	7'-8" x 6'-11 1/2"	F/S	5'-9" x 4'-3 1/2"	16"	1-SP	3'-0"	2-SP	3'-0"
	2500	7'-0"x5'-1"	8'-4" x 6'-11 1/4"	F	6'-9" x 4'-3 1/2"	16"	1-SP	3'-6"	-	-
	2500	7'-5 1/2" x 5'-1 1/4"	8'-8" x 6'-11 1/2"	F/S	6'-9" x 4'-3 1/2"	16"	1-SP	3'-6"	2-SP	3'-0"
	3000	7'-0"x5'-6"	8'-4" x 7'-4 1/4"	F	6'-9" x 4'-8 1/2"	16"	1-SP	3'-6"	-	-
	3000	7'-5 1/2" x 5'-6 1/4"	8'-8" x 7'-4 1/2"	F/S	6'-9" x 4'-8 1/2"	16"	1-SP	3'-6"	2-SP	3'-6"
	3500	7'-0"x6'-2"	8'-4" x 8'-0 1/4"	F	6'-9" x 5'-4 1/2"	16"	1-SP	3'-6"	-	-
	3500	7'-5 1/2" x 6'-2 1/4"	8'-8" x 8'-0 1/2"	F/S	6'-9" x 5'-4 1/2"	16"	1-SP	3'-6"	2-SP	3'-6"
	4000	8'-0"x6'-2"	9'-4" x 8'-3 3/4"	F	7'-9" x 5'-3"	18"	2-SP	4'-0"	-	-
	4000	8'-5 1/2" x 6'-0 3/4"	9'-8" x 8'-1"	F/S	7'-9" x 5'-3"	18"	1-SP	4'-0"	2-SP	4'-0"

P Pit Depth = 4'-0" • **O** Minimum Overhead (See Below) • Cab Height = 8'-0"

GUIDELINES FOR DETERMINING OVERHEAD REQUIRED:

For 1 Stage Jack

- A) Car Speed = Up to 150 FPM
 B) Top Overtravel = 5"
 C) Bottom Overtravel = 12"
 D) Pit Depth = 4'-6"
 E) Cab Height = 8'-0"

For 2 Stage Jack

- A) Car Speed = Up to 150 FPM
 B) Top Overtravel = 12"
 C) Bottom Overtravel = 10"
 D) Pit Depth = 4'-6"
 E) Cab Height = 8'-0"

One Stage Jack Overhead Requirement:

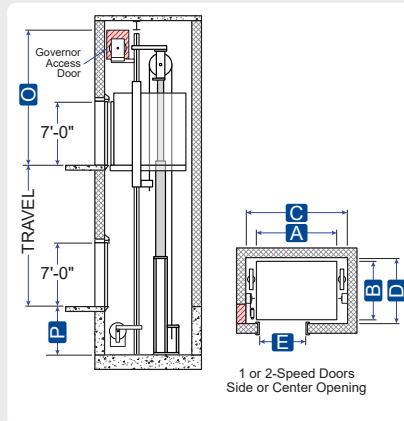
Minimum of 12'-5" overhead required for 11'-0" of travel and under. If over 11'-0" travel, overhead must be 18" greater than total travel.

Two Stage Jack Overhead Requirement:

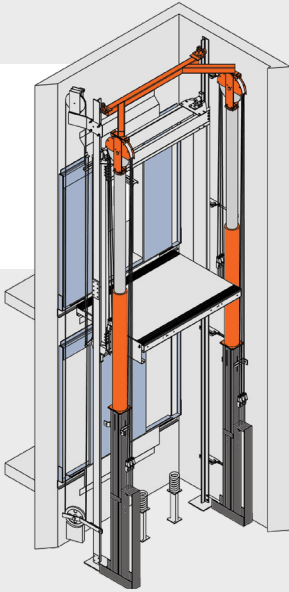
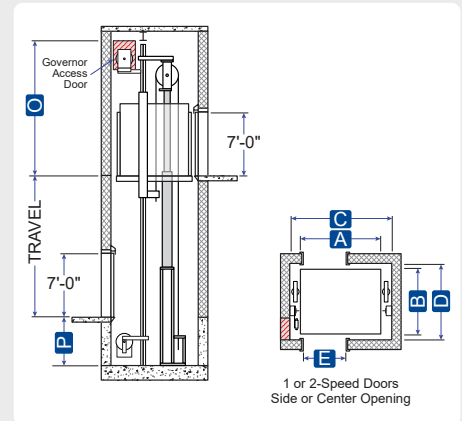
Minimum of 13'-3" overhead required for 20' of travel and under. Add 1/2" to 13'-3" for every additional 1" of travel over 20'-0".

- A** = Platform Width
B = Platform Depth
C = Hoistway Width
D = Hoistway Depth
E = Clear Door Opening
O = Overhead
P = Pit Depth
 = Gov. Access Door

Single Opening (F)



Double Opening (F/R)



APPLICATION SUMMARY

This design uses wire ropes and two hydraulic jacks to lift the car at a 1:2 ratio—each foot of jack movement raises the car two feet. Jacks are positioned on each side of the car to ensure maximum structural stability.

ADVANTAGES

- No jack hole—eliminates oil contamination risk
- Supports front and rear openings in any layout
- No need for deep pit or extended overhead
- Accommodates large platforms and high-capacity loads

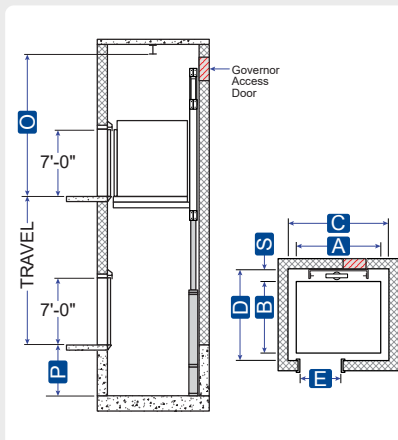
Contact MEI for sizes and options not listed.

	Capacity (lbs)	Platform A x B	Hoistway C x D	Front/Rear	Laminate Clear Inside W x D	Door Type	Door Width E
LOW CAPACITY	2100	6'-0" x 5'-1"	8'-0" x 5'-9"	F	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2100	6'-0" x 5'-8"	8'-0" x 6'-8 1/2"	F/R	5'-9" x 4'-3 1/2"	1-SP	3'-0"
	2500	7'-0" x 5'-1"	9'-0" x 5'-9"	F	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	2500	7'-0" x 5'-8"	9'-0" x 6'-8 1/2"	F/R	6'-9" x 4'-3 1/2"	1-SP	3'-6"
	3000	7'-0" x 5'-6"	9'-0" x 6'-2"	F	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3000	7'-0" x 6'-1"	9'-0" x 7'-1 1/2"	F/R	6'-9" x 4'-8 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-2"	9'-0" x 6'-10"	F	6'-9" x 5'-4 1/2"	1-SP	3'-6"
	3500	7'-0" x 6'-9"	9'-0" x 7'-9 1/2"	F/R	6'-9" x 5'-4 1/2"	1-SP	3'-6"
	4000	8'-0" x 6'-2"	10'-0" x 7'-0"	F	7'-9" x 5'-3"	2-SP	4'-0"
	4000	8'-0" x 6'-8"	10'-0" x 7'-11 1/2"	F/R	7'-9" x 5'-0 1/2"	2-SP	4'-0"
HOSPITAL	3500H	5'-4" x 8'-4"	7'-4" x 9'-2"	F	5'-1" x 7'-5"	2-SP	3'-6"
	3500H	5'-4" x 9'-0 1/2"	7'-4" x 10'-4"	F/R	5'-1" x 7'-5"	2-SP	3'-6"
	4000H	6'-0" x 8'-5"	8'-0" x 9'-3"	F	5'-9" x 7'-6"	2-SP	4'-0"
	4000H	6'-0" x 9'-1 1/2"	8'-0" x 10'-5"	F/R	5'-9" x 7'-6"	2-SP	4'-0"
	4500H	6'-0" x 9'-2"	8'-2" x 10'-0"	F	5'-9" x 8'-3"	2-SP	4'-0"
	4500H	6'-0" x 9'-10 1/2"	8'-2" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"
	5000H	6'-0" x 9'-7 1/2"	8'-2" x 10'-5 1/2"	F	5'-9" x 8'-8"	2-SP	4'-0"
	5000H	6'-0" x 10'-3 1/2"	8'-2" x 11'-7"	F/R	5'-9" x 8'-8"	2-SP	4'-0"
	6000	7'-0" x 8'-6"	9'-2" x 9'-4"	F	6'-9" x 7'-7"	2-SP	4'-0"
	6000	7'-0" x 9'-2 1/2"	9'-2" x 10'-6"	F/R	6'-9" x 7'-7"	2-SP	4'-0"
HIGH CAPACITY	8000 *	8'-4" x 10'-0"	10'-10 1/4" x 10'-10"	F	8'-1" x 9'-1"	2-SP	4'-0"
	8000 *	8'-4" x 10'-8 1/2"	10'-10 1/4" x 12'-0"	F/R	8'-1" x 9'-1"	2-SP	4'-0"
	10000 *	8'-4" x 11'-8 1/2"	11'-0 1/4" x 12'-6 1/2"	F	8'-1" x 10'-9 1/2"	2-SP	4'-0"
	10000 *	8'-4" x 12'-5"	11'-0 1/4" x 13'-8 1/2"	F/R	8'-1" x 10'-9 1/2"	2-SP	4'-0"
	12000 *	10'-4" x 11'-6"	13'-8 1/4" x 12'-4"	F	10'-1" x 10'-7"	2-SP	4'-0"
	12000 *	10'-4" x 12'-2 1/2"	13'-8 1/4" x 13'-6"	F/R	10'-1" x 10'-7"	2-SP	4'-0"
	15000 *	12'-0" x 11'-5"	15'-8 1/4" x 12'-3"	F	11'-9" x 10'-6"	2-SP	4'-0"
	15000 *	12'-0" x 12'-1 1/2"	15'-8 1/4" x 13'-5"	F/R	11'-9" x 10'-6"	2-SP	4'-0"

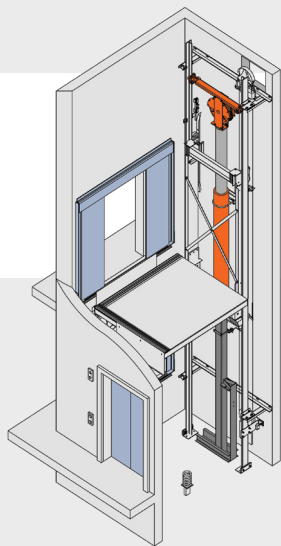
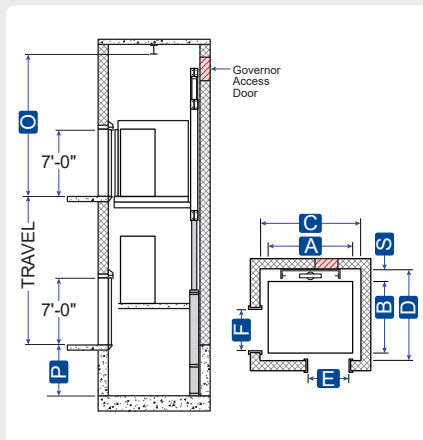
P Pit Depth = 4'-0" • **O** Minimum Overhead = 12'-5" , * Denotes Minimum Overhead = 13'-3" • Cab Height = 8'-0"

- A** = Platform Width
B = Platform Depth
C = Hoistway Width
D = Hoistway Depth
E = Clear Door Opening
F = Clear Door Opening
O = Overhead
P = Pit Depth
S = Platform to Wall
 = Gov. Access Door

Single Opening (F)
Rear Slung Shown



Double Opening (F/S)
Rear Slung Shown



APPLICATION SUMMARY

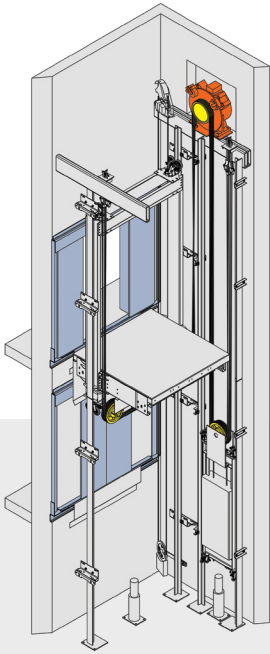
This holeless design is used for low-capacity applications. Wire ropes and a hydraulic jack lift the car at a 1:2 ratio—each foot of jack movement raises the car two feet. Jack and rail equipment are mounted on the side or rear of the car, based on the opening configuration.

ADVANTAGES

- No jack hole—eliminates oil contamination risk
- Easily accommodates front and side openings
- Requires no deep pit or extended overhead

Contact MEI for sizes and options not listed.

	Cap. (lbs)	Platform A x B	Hoistway C x D	Laminate Clear Inside W x D	Front/ Side	Front Door		Side Door	
						Type	Width E	Type	Width F
LOW CAPACITY	2100	6'-0" x 5'-1"	7'-4" x 7'-3 1/4"	5'-9" x 4'-3 1/2"	F	1-SP	3'-0"	-	-
	2100	6'-5 1/2" x 5'-1 1/4"	7'-8" x 7'-3 1/2"	5'-9" x 4'-3 1/2"	F/S	1-SP	3'-0"	2-SP	3'-0"
	2500	7'-0" x 5'-1"	8'-4" x 7'-3 1/4"	6'-9" x 4'-3 1/2"	F	1-SP	3'-6"	-	-
	2500	7'-5 1/2" x 5'-1 1/4"	8'-8" x 7'-3 1/2"	6'-9" x 4'-3 1/2"	F/S	1-SP	3'-6"	2-SP	3'-6"
	3000	7'-0" x 5'-6"	8'-4" x 7'-8 1/4"	6'-9" x 4'-8 1/2"	F	1-SP	3'-6"	-	-
	3000	7'-5 1/2" x 5'-6 1/4"	8'-8" x 7'-8 1/2"	6'-9" x 4'-8 1/2"	F/S	1-SP	3'-6"	2-SP	3'-6"
	3500	7'-0" x 6'-2"	8'-4" x 8'-4 1/4"	6'-9" x 5'-4 1/2"	F	1-SP	3'-6"	-	-
	3500	7'-5 1/2" x 6'-2 1/4"	8'-8" x 8'-4 1/2"	6'-9" x 5'-4 1/2"	F/S	1-SP	3'-6"	2-SP	3'-6"
	4000	8'-0" x 6'-2"	9'-4" x 8'-5 3/4"	7'-9" x 5'-3"	F	2-SP	4'-0"	-	-
	4000	8'-5 1/2" x 6'-0 1/4"	9'-8" x 8'-3"	7'-9" x 5'-3"	F/S	1-SP	4'-0"	2-SP	4'-0"
P Pit Depth = 4'-0" • O Minimum Overhead = 12'-5" • Cab Height = 8'-0" • S Platform to Wall = 20"									



APPLICATION SUMMARY

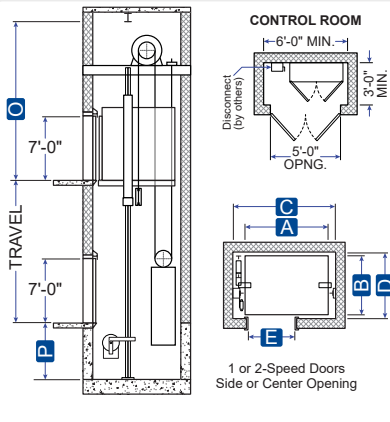
This design uses a gearless machine, ropes, and counterweights instead of hydraulic equipment. Main guide rails are mounted on each side of the car, with counterweight rails on one side. The gearless machine and drive components are installed within the hoistway, removing the need for a machine room and saving floor space.

ADVANTAGES

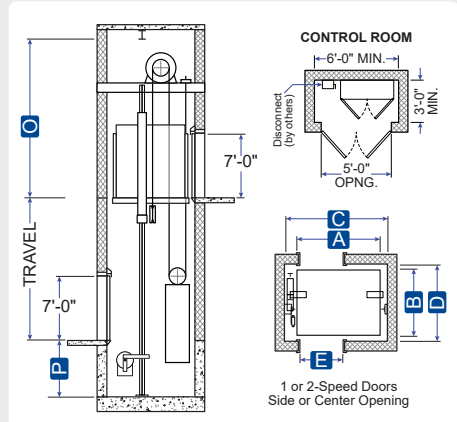
- Requires only a small control room—not a full machine room
- Lower rooftop projection compared to traditional traction systems
- Reduced overhead compared to rail-mounted MRL options
- Compared to hydraulic:
 - Lower power demand
 - Greater energy efficiency
 - Supports significantly higher car speeds

Contact MEI for sizes and options not listed.

Under Slung Single Opening (F) (CWT at Side)



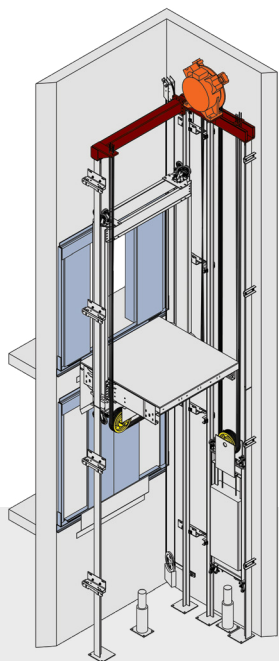
Under Slung Double Opening (F/R) (CWT at Side)



- A** = Platform Width
- B** = Platform Depth
- C** = Hoistway Width
- D** = Hoistway Depth
- E** = Clear Door Opening
- O** = Overhead
- P** = Pit Depth

Note: These charts apply to both the left and right pages.

	Cap. (lbs)	Platform A x B	Hoistway C x D	Front /Rear	Laminate Clear	Door Type	Door Width E	Max Speed	Mach. Mount	Min OH O	Min Pit P
LOW CAPACITY	2100	6'-0" x 5'-1"	8'-10" x 6'-9"	F	5'-9" x 4'-3 1/2"	2-SP	3'-0"	500	Pocket	13'-8"	5'-8"
	2500	7'-0" x 5'-1"	9'-10" x 6'-9"	F	6'-9" x 4'-3 1/2"	2-SP	3'-6"	500	Pocket	13'-8"	5'-8"
	3000	7'-0" x 5'-6"	9'-10" x 7'-2"	F	6'-9" x 4'-8 1/2"	2-SP	3'-6"	500	Pocket	13'-8"	5'-8"
	3000	7'-0" x 6'-1"	9'-10" x 7'-4 1/2"	F/R	6'-9" x 4'-8 1/2"	2-SP	3'-6"	500	Pocket	13'-8"	5'-8"
Based on car speed of 350 FPM • Cab Height = 8'-0"											
500 FPM = add 13" of overhead and 8" of pit depth Depending on job specifics, the overhead or pit on pocket mounted machines may need to be increased.											
Note: Counterweight safeties also available.											



APPLICATION SUMMARY

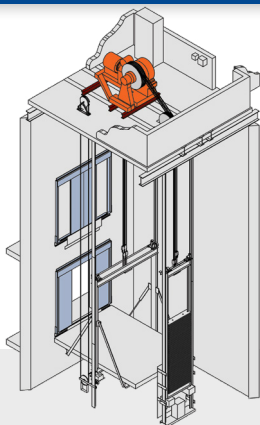
This design uses a gearless machine, ropes, and counterweights in place of hydraulic equipment. Main guide rails are mounted on each side of the car, with counterweight rails on one side. All drive equipment is installed within the hoistway, eliminating the machine room and preserving floor space.

ADVANTAGES

- Requires only a small control room—not a full machine room
- Reduced rooftop projection versus traction applications
- Does not require the building structure to support elevator load
- Compared to hydraulic:
 - Lower power demand
 - Greater energy efficiency
 - Supports significantly higher car speeds

Contact MEI for sizes and options not listed.

	Cap. (lbs)	Platform A × B	Hoistway C × D	Front/ Rear	Laminate Clear	Door Type	Door Width E	Max Speed	Mach. Mount	Min OH O	Min Pit P
LOW CAPACITY	2100	6'-0" x 5'-1"	8'-2" x 6'-9"	F	5'-9" x 4'-3 ½"	1-SP	3'-0"	500	Rail	18'-3"	5'-8"
	2500	7'-0" x 5'-1"	9'-2" x 6'-9"	F	6'-9" x 4'-3 ½"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3000	7'-0" x 5'-6"	9'-2" x 7'-4 ½"	F	6'-9" x 4'-8 ½"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3000	7'-0" x 6'-4"	9'-10" x 7'-4 ½"	F/R	6'-9" x 4'-11 ½"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3500	7'-0" x 6'-2"	9'-2" x 7'-4 ½"	F	6'-9" x 5'-4 ½"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3500	7'-0" x 6'-9"	9'-10" x 7'-9 ½"	F/R	6'-9" x 5'-4 ½"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	4000	8'-0" x 6'-2"	10'-9" x 7'-4 ½"	F	7'-9" x 5'-3"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	4000	8'-0" x 6'-8"	10'-9" x 7'-11 ½"	F/R	7'-9" x 5'-0 ½"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
HOSPITAL	4000H	6'-0" x 8'-5"	8'-9" x 9'-2 ½"	F	5'-9" x 7'-6"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	4000H	6'-0" x 9'-1 ½"	8'-9" x 10'-5"	F/R	5'-9" x 7'-6"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	4500H	6'-0" x 9'-2"	8'-9" x 9'-11 ½"	F	5'-9" x 8'-3"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	4500H	6'-0" x 9'-10 ½"	8'-9" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	5000H	6'-0" x 9'-7 ½"	8'-9" x 10'-5"	F	5'-9" x 8'-8"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	5000H	6'-0" x 10'-3 ½"	8'-9" x 11'-7"	F/R	5'-9" x 8'-8"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
Based on car speed of 350 FPM • Cab Height = 8'-0"											
500 FPM = add 13" of overhead and 8" of pit depth Depending on job specifics, the overhead or pit on pocket mounted machines may need to be increased.											
Note: Counterweight safeties also available. Rear counterweight design also available.											



APPLICATION SUMMARY

This design uses a geared machine, ropes, and counterweights instead of hydraulic equipment. Main guide rails are mounted on both sides of the car, with counterweight rails on one side or at the rear. The geared machine and drive components are typically located above the hoistway in a penthouse machine room, though they may also be placed beside the hoistway at a lower level—this is known as basement traction.

ADVANTAGES

- No risk of ground oil contamination
- Supports front and rear openings in any layout
- Available for both low- and high-capacity cars
- Allows for significantly greater travel
- More energy efficient than hydraulic systems
- Supports significantly higher speeds than hydraulic designs

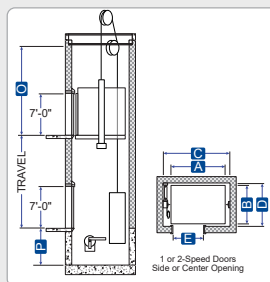
Contact MEI for sizes and options not listed.

*Speeds exceeding 200 FPM require additional overhead and pit depth. Minimum pit depth is based on the use of spring buffers. Add 5" to pit depth if oil buffers are required or car speed exceeds 200 FPM.

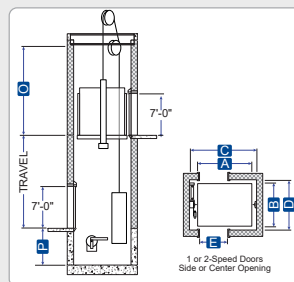
225 FPM = add 6" of overhead & 5" of pit depth
250 FPM = add 7" of overhead & 5" of pit depth
300 FPM = add 8" of overhead & 5" of pit depth
350 FPM = add 10" of overhead & 5" of pit depth

MEI also provides gearless traction elevators for overhead and adjacent machine room arrangements.

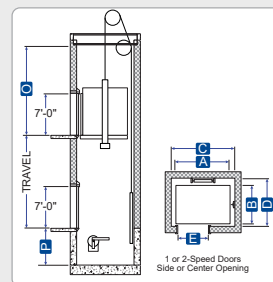
Single Opening
(F) (CWT at Side)



Double Opening
(F/R) (CWT at Side)



Single Opening
(F) (CWT at Rear)



A = Platform Width
B = Platform Depth
C = Hoistway Width

D = Hoistway Depth
E = Clear Door Opening

O = Overhead
P = Pit Depth

	Cap. (lbs)	Platform A x B	Hoistway C x D	Front /Rear	Cwt. Location	Laminate Clear Inside W x D	Door Type	Door Width E	Max Speed FPM	Min. Overhead O	Min. Pit Depth P
LOW CAPACITY	2100	6'-0" x 5'-1"	7'-4" x 6'-7 1/2"	F	Rear	5'-9" x 4'-3 1/2"	1-SP	3'-0"	350	16'-0" *	5'-2" *
	2500	7'-0" x 5'-1"	8'-4" x 6'-7 1/2"	F	Rear	6'-9" x 4'-3 1/2"	1-SP	3'-6"	350	16'-0" *	5'-2" *
	3000	7'-0" x 5'-6"	8'-4" x 7'-0 1/2"	F	Rear	6'-9" x 4'-8 1/2"	1-SP	3'-6"	350	16'-0" *	5'-2" *
	3500	7'-0" x 6'-2"	8'-4" x 7'-8 1/2"	F	Rear	6'-9" x 5'-4 1/2"	1-SP	3'-6"	350	16'-0" *	5'-2" *
	4000	8'-0" x 6'-2"	9'-4" x 7'-8 1/2"	F	Rear	7'-9" x 5'-4 1/2"	1-SP	4'-0"	350	16'-0" *	5'-2" *
	2100	6'-0" x 5'-1"	7'-10" x 5'-9"	F	Side	5'-9" x 4'-3 1/2"	1-SP	3'-0"	350	16'-0" *	5'-2" *
	2500	7'-0" x 5'-1"	8'-10" x 5'-9"	F	Side	6'-9" x 4'-3 1/2"	1-SP	3'-6"	350	16'-0" *	5'-2" *
	3000	7'-0" x 5'-6"	8'-10" x 6'-2"	F	Side	6'-9" x 4'-8 1/2"	1-SP	3'-6"	350	16'-0" *	5'-2" *
	3500	7'-0" x 6'-2"	8'-10" x 6'-10"	F	Side	6'-9" x 5'-4 1/2"	1-SP	3'-6"	350	16'-0" *	5'-2" *
	3500	7'-0" x 6'-9"	8'-10" x 7'-9 1/2"	F/R	Side	6'-9" x 5'-4 1/2"	1-SP	3'-6"	350	16'-0" *	5'-2" *
HOSPITAL	4000	8'-0" x 6'-2"	9'-10" x 6'-10"	F	Side	7'-9" x 5'-4 1/2"	1-SP	4'-0"	350	16'-0" *	5'-2" *
	4000	8'-0" x 6'-8"	9'-10" x 7'-8 1/2"	F/R	Side	7'-9" x 5'-3 1/2"	1-SP	4'-0"	350	16'-0" *	5'-2" *
	3500H	5'-4" x 8'-4"	7'-2" x 9'-2"	F	Side	5'-1" x 7'-5"	2-SP	3'-6"	350	16'-0" *	5'-2" *
	3500H	5'-4" x 9'-0 1/2"	7'-2" x 10'-4"	F/R	Side	5'-1" x 7'-5"	2-SP	3'-6"	350	16'-0" *	5'-2" *
	4000H	6'-0" x 8'-5"	7'-10" x 9'-3"	F	Side	5'-9" x 7'-6"	2-SP	4'-0"	350	16'-0" *	5'-2" *
	4000H	6'-0" x 9'-1 1/2"	7'-10" x 10'-5"	F/R	Side	5'-9" x 7'-6"	2-SP	4'-0"	350	16'-0" *	5'-2" *
	4500H	6'-0" x 9'-2"	7'-10" x 10'-0"	F	Side	5'-9" x 8'-3"	2-SP	4'-0"	350	16'-0" *	5'-2" *
	4500H	6'-0" x 9'-10 1/2"	7'-10" x 11'-2"	F/R	Side	5'-9" x 8'-3"	2-SP	4'-0"	350	16'-0" *	5'-2" *
	5000H	6'-0" x 9'-7 1/2"	7'-10" x 10'-5 1/2"	F	Side	5'-9" x 8'-8"	2-SP	4'-0"	350	16'-6" *	5'-2" *
	5000H	6'-0" x 10'-3 1/2"	7'-10" x 11'-7"	F/R	Side	5'-9" x 8'-8"	2-SP	4'-0"	350	16'-6" *	5'-2" *
HIGH CAPACITY	6000	7'-0" x 8'-6"	8'-10" x 9'-4"	F	Side	6'-9" x 7'-7"	2-SP	4'-0"	350	16'-6" *	5'-2" *
	6000	7'-0" x 9'-2 1/2"	8'-10" x 10'-6"	F/R	Side	6'-9" x 7'-7"	2-SP	4'-0"	350	16'-6" *	5'-2" *
	8000	8'-4" x 10'-0"	10'-2" x 10'-8 1/2"	F	Side	8'-1" x 9'-2 1/2"	1-SP	4'-0"	350	16'-6" *	5'-2" *
	8000	8'-4" x 10'-8 1/2"	11'-5" x 11'-9"	F/R	Side	8'-1" x 9'-4"	1-SP	4'-0"	350	16'-6" *	5'-2" *
	10000	8'-4" x 11'-8 1/2"	10'-8" x 12'-5"	F	Side	8'-1" x 10'-11"	1-SP	4'-6"	225	16'-6" *	6'-0" *
	10000	8'-4" x 12'-5"	11'-7 1/2" x 13'-5 1/2"	F/R	Side	8'-1" x 11'-0 1/2"	1-SP	4'-6"	225	16'-6" *	6'-0" *
	12000	10'-3" x 11'-6"	12'-7 1/2" x 12'-2 1/2"	F	Side	10'-1" x 10'-8 1/2"	1-SP	5'-0"	200	16'-6" *	6'-0" *
	12000	10'-3" x 12'-0"	13'-9 1/2" x 13'-0 1/2"	F/R	Side	10'-1" x 10'-7 1/2"	1-SP	5'-0"	200	16'-6" *	6'-0" *
	15000	12'-0" x 11'-6"	14'-6" x 12'-2 1/2"	F	Side	11'-9" x 10'-8 1/2"	1-SP	6'-0"	150	17'-0" *	6'-0" *
	15000	12'-0" x 12'-1 1/2"	15'-10 1/2" x 13'-2"	F/R	Side	11'-9" x 10'-9"	1-SP	6'-0"	150	17'-0" *	6'-0" *

Based on car speed of 200 fpm • Cab Height = 8'-0" • For seismic applications add 3" to hoistway width and 1" to hoistway depth. Note: Visit our website for downloadable elevation and plan view drawings.

FREIGHT ELEVATORS



Designed for maximum weight capacity and spacious transport, MEI freight elevators deliver rugged performance, dependable operation, and code-compliant safety. Each system is custom engineered with non-proprietary components to meet your specifications—balancing strength, efficiency, and long-term durability.

PACKAGES

RECOMMENDED OPTIONS



Dry Power Unit
(high capacity, heavy usage)
See page 55



Oil Cooler (heavy usage)
See page 62



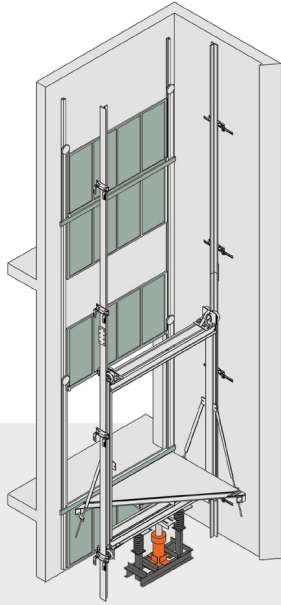
Low Pressure Switch
See page 67



"Y" Strainer
See page 68

ENGINEERED TO ORDER: Contact MEI for sizes or capacities outside of listed ranges. **VERIFY:** All dimensions with MEI prior to construction. Code year adoptions, local code variations, customer options and specifications may affect the hoistway size.





APPLICATION SUMMARY

This design uses a single-stage hydraulic jack installed in the ground. The jack is placed directly under the car, near the center of the platform.

ADVANTAGES

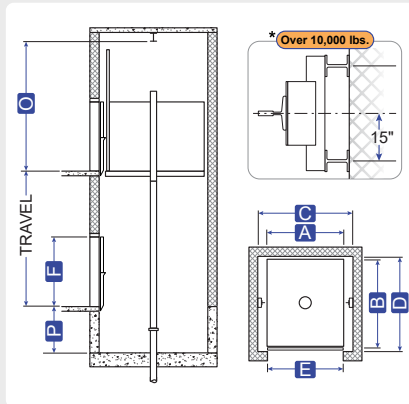
- Typically the lowest material cost option
- Supports front and rear openings in any layout
- No need for a deep pit or extended overhead
- Suitable for both low- and high-capacity cars
- Easiest equipment package to install across applications

Contact MEI for sizes and options not listed.

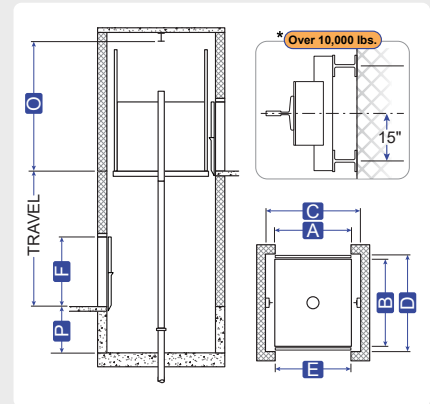
Notes:

- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.
- Standard Cab Height H = 8'-0"
- Minimum Overhead for Single Section Gates:
O = 14'-6"
- Minimum Overhead for Two Section Gates:
O = 12'-4"

Single Opening (F)



Double Opening (F/R)



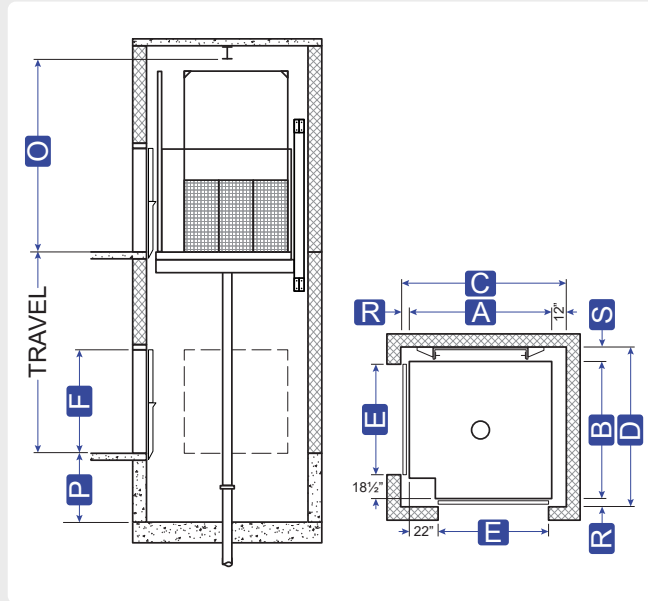
A = Platform Width
B = Platform Depth
C = Hoistway Width

D = Hoistway Depth
E = Clear Door Opening
F = Clear Door Opening

O = Overhead
P = Pit Depth

Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Front (F) Rear (R)	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate W x D	Door Width And Height E x F
4000	7'-0" x 8'-0"	8'-8" x 8'-8"	8'-8" x 8'-9 3/4"	4'-6"	F	6'-8" x 7'-7"	6'-8" x 7'-4 1/2"	6'-8" x 8'-0"
4000	7'-0" x 8'-0"	8'-8" x 8'-10"	8'-8" x 9'-1 1/2"	4'-6"	F/R	6'-8" x 7'-6"	6'-8" x 7'-1"	6'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-10" x 9'-8"	9'-10" x 9'-9 3/4"	4'-6"	F	7'-8" x 8'-7"	7'-8" x 8'-4 1/2"	7'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-10" x 9'-10"	9'-10" x 10'-1 1/2"	4'-6"	F/R	7'-8" x 8'-6"	7'-8" x 8'-1"	7'-8" x 8'-0"
6000	10'-4" x 10'-0"	12'-2" x 10'-8"	12'-2" x 10'-9 3/4"	4'-6"	F	10'-0" x 9'-7"	10'-0" x 9'-4 1/2"	10'-0" x 8'-0"
6000	10'-4" x 10'-0"	12'-2" x 10'-10"	12'-2" x 11'-1 1/2"	4'-6"	F/R	10'-0" x 9'-6"	10'-0" x 9'-1"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-4" x 12'-8"	12'-4" x 12'-9 3/4"	4'-6"	F	10'-0" x 11'-7"	10'-0" x 11'-4 1/2"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-4" x 12'-10"	12'-4" x 13'-1 1/2"	4'-6"	F/R	10'-0" x 11'-6"	10'-0" x 11'-1"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-4" x 14'-8"	12'-4" x 14'-9 3/4"	4'-6"	F	10'-0" x 13'-7"	10'-0" x 13'-4 1/2"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-4" x 14'-10"	12'-4" x 15'-1 1/2"	4'-6"	F/R	10'-0" x 13'-6"	10'-0" x 13'-1"	10'-0" x 8'-0"
12000	12'-4" x 12'-0"	14'-4" x 12'-8"	14'-4" x 12'-9 3/4"	4'-6"	F	12'-0" x 11'-7"	12'-0" x 11'-4 1/2"	12'-0" x 8'-0"
12000	12'-4" x 12'-0"	14'-4" x 12'-10"	14'-4" x 13'-1 1/2"	4'-6"	F/R	12'-0" x 11'-6"	12'-0" x 11'-1"	12'-0" x 8'-0"
15000	12'-4" x 16'-0"	14'-4" x 16'-8"	14'-4" x 16'-9 3/4"	5'-0"	F	12'-0" x 15'-7"	12'-0" x 15'-4 1/2"	12'-0" x 8'-0"
15000	12'-4" x 16'-0"	14'-4" x 16'-10"	14'-4" x 17'-1 1/2"	5'-0"	F/R	12'-0" x 15'-6"	12'-0" x 15'-1"	12'-0" x 8'-0"
20000	12'-4" x 20'-0"	14'-4" x 20'-8"	14'-4" x 20'-9 3/4"	5'-0"	F	12'-0" x 19'-7"	12'-0" x 19'-4 1/2"	12'-0" x 8'-0"
20000	12'-4" x 20'-0"	14'-4" x 20'-10"	14'-4" x 21'-1 1/2"	5'-0"	F/R	12'-0" x 19'-6"	12'-0" x 19'-1"	12'-0" x 8'-0"
25000	14'-4" x 20'-0"	16'-4" x 20'-8"	16'-4" x 20'-9 3/4"	5'-6"	F	14'-0" x 19'-5 1/2"	14'-0" x 19'-3"	14'-0" x 8'-0"
25000	14'-4" x 20'-0"	16'-4" x 20'-10"	16'-4" x 21'-1 1/2"	5'-6"	F/R	14'-0" x 19'-3"	14'-0" x 18'-10"	14'-0" x 8'-0"

Double Opening (F/S) - Rear Slung Shown



A = Platform Width	D = Hoistway Depth	O = Overhead
B = Platform Depth	E = Clear Door Opening	P = Pit Depth
C = Hoistway Width	F = Clear Door Opening	S = Platform to Wall

APPLICATION SUMMARY

This application is used when a side opening is in addition to a front opening. Rails and brackets are mounted along one hoistway wall. Dimensions shown are examples only; please contact MEI for job-specific layouts.

ADVANTAGES

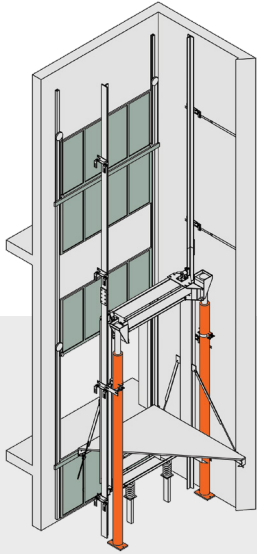
- Supports front and side openings
- No need for deep pit or extended overhead
- Available for both low- and high-capacity cars

Contact MEI for sizes and options not listed.

Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Platform to Wall S	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate W x D	Door Width And Height E x F
4000	9'-0" x 8'-8 1/2"	10'-5" x 10'-3 1/2"	10'-6 3/4" x 10'-5 1/4"	4'-6"	13"	8'-5 1/2" x 8'-2"	8'-3 1/2" x 8'-0"	7'-0" x 8'-0"
6000	10'-0" x 9'-8 1/2"	11'-5" x 11'-3 1/2"	11'-6 3/4" x 11'-5 1/4"	4'-6"	13"	9'-5 1/2" x 9'-2"	9'-3 1/2" x 9'-0"	8'-0" x 8'-0"
8000	11'-0" x 10'-8 1/2"	12'-5" x 12'-7 1/2"	12'-6 3/4" x 12'-9 1/4"	4'-6"	17"	10'-5 1/2" x 10'-2"	10'-3 1/2" x 10'-0"	9'-0" x 8'-0"
10000	12'-0" x 11'-8 1/2"	13'-5" x 13'-7 1/2"	13'-6 3/4" x 13'-9 1/4"	4'-6"	17"	11'-5 1/2" x 11'-2"	11'-3 1/2" x 11'-0"	10'-0" x 8'-0"

Notes:

- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.
- Standard Cab Height H = 8'-0"
- Minimum Overhead for Single Section Gates: **O** = 14'-6"
- Minimum Overhead for Two Section Gates: **O** = 12'-4"



APPLICATION SUMMARY

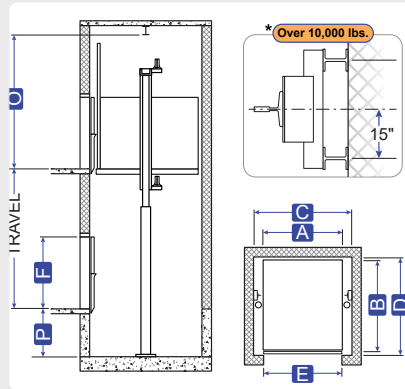
This design uses two hydraulic jacks for enhanced structural stability. The jacks, placed on either side of the car, may be single-stage or telescopic based on travel and site conditions. Single-stage jacks are common for two-stop jobs; two-stage telescopic units are suited for three- and four-stop projects.

ADVANTAGES

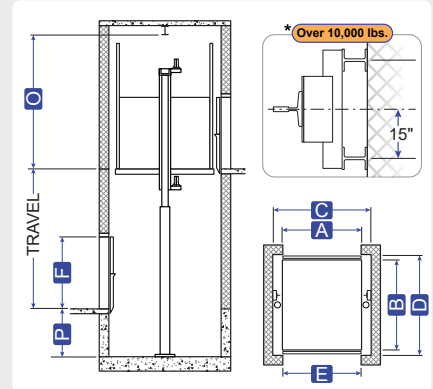
- No jack hole required—eliminates drilling cost and oil contamination risk
- Supports front and rear openings in any layout
- Suitable for both low- and high-capacity cars

Contact MEI for sizes and options not listed.

Single Opening (F)



Double Opening (F/R)



A = Platform Width
B = Platform Depth
C = Hoistway Width

D = Hoistway Depth
E = Clear Door Opening
F = Clear Door Opening

O = Overhead
P = Pit Depth
S = Platform to Wall

Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Front (F) Rear (R)	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate W x D	Door Width And Height E x F
4000	7'-0" x 8'-0"	8'-8" x 8'-8"	8'-8" x 8'-9 3/4"	4'-6"	F	6'-8" x 7'-7"	6'-8" x 7'-4 1/2"	6'-8" x 8'-0"
4000	7'-0" x 8'-0"	8'-8" x 8'-10"	8'-8" x 9'-1 1/2"	4'-6"	F/R	6'-8" x 7'-6"	6'-8" x 7'-1"	6'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-10" x 9'-8"	9'-10" x 9'-9 3/4"	4'-6"	F	7'-8" x 8'-7"	7'-8" x 8'-4 1/2"	7'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-10" x 9'-10"	9'-10" x 10'-1 1/2"	4'-6"	F/R	7'-8" x 8'-6"	7'-8" x 8'-1"	7'-8" x 8'-0"
6000	10'-4" x 10'-0"	12'-2" x 10'-8"	12'-2" x 10'-9 3/4"	4'-6"	F	10'-0" x 9'-7"	10'-0" x 9'-4 1/2"	10'-0" x 8'-0"
6000	10'-4" x 10'-0"	12'-2" x 10'-10"	12'-2" x 11'-1 1/2"	4'-6"	F/R	10'-0" x 9'-6"	10'-0" x 9'-1"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-4" x 12'-8"	12'-4" x 12'-9 3/4"	4'-6"	F	10'-0" x 11'-7"	10'-0" x 11'-4 1/2"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-4" x 12'-10"	12'-4" x 13'-1 1/2"	4'-6"	F/R	10'-0" x 11'-6"	10'-0" x 11'-1"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-4" x 14'-8"	12'-4" x 14'-9 3/4"	4'-6"	F	10'-0" x 13'-7"	10'-0" x 13'-4 1/2"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-4" x 14'-10"	12'-4" x 15'-1 1/2"	4'-6"	F/R	10'-0" x 13'-6"	10'-0" x 13'-1"	10'-0" x 8'-0"
12000	12'-4" x 12'-0"	14'-4" x 12'-8"	14'-4" x 12'-9 3/4"	4'-6"	F	12'-0" x 11'-7"	12'-0" x 11'-4 1/2"	12'-0" x 8'-0"
12000	12'-4" x 12'-0"	14'-4" x 12'-10"	14'-4" x 13'-1 1/2"	4'-6"	F/R	12'-0" x 11'-6"	12'-0" x 11'-1"	12'-0" x 8'-0"

Notes:

- Overhead based on 6'-0" car gate height
- Two-section car gates not advised for high-use or wide openings
- For tall door openings or unique conditions, contact MEI
- Standard cab height: 8'-0"

Guidelines for determining overhead required:

For 1 Stage Jack

- A) Car Speed = Up to 150 FPM
- B) Top Overtravel = 5"
- C) Bottom Overtravel = 12"
- D) Pit Depth = 4'-6"
- E) Cab Height = 8'-0"

For 2 Stage Jack

- A) Car Speed = Up to 150 FPM
- B) Top Overtravel = 12"
- C) Bottom Overtravel = 10"
- D) Pit Depth = 4'-6"
- E) Cab Height = 8'-0"

Overhead Requirements:

One Stage Jack with Single Section Gate:

Minimum of 14'-6" overhead required for 14'-6" of travel and under. If over 14'-6" travel, overhead must equal or be greater than total travel.

One Stage Jack with Two Section Gate:

Minimum of 12'-4" overhead required for 12'-4" of travel and under. Add 1" to 12'-4" for every additional 1" of travel over 12'-4".

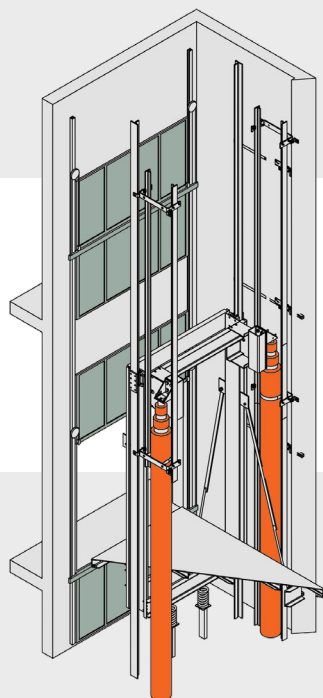
Two Stage Jack with Single Section Gate:

Minimum of 15'-1" overhead required for 26'-8" of travel and under. Add 12" to 15'-1" for every additional 1" of travel over 26'-8".

Two Stage Jack with Two Section Gate:

Minimum of 13'-0" overhead required for 22'-6" of travel and under. Add 12" to 13'-0" for every additional 1" of travel over 22'-6".

- A** = Platform Width
B = Platform Depth
C = Hoistway Width
D = Hoistway Depth
E = Clear Door Opening
F = Clear Door Opening
O = Overhead
P = Pit Depth



APPLICATION SUMMARY

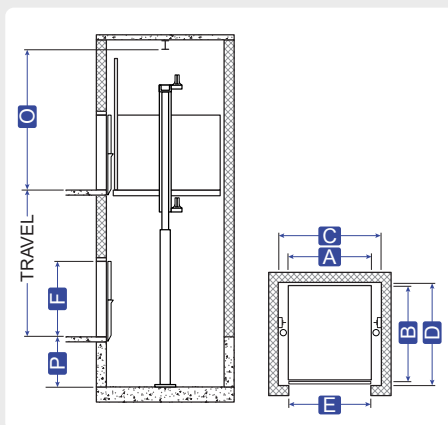
This design uses two hydraulic jacks to provide strong structural stability. Telescopic jacks are mounted on each side of the car to support smooth, reliable operation.

ADVANTAGES

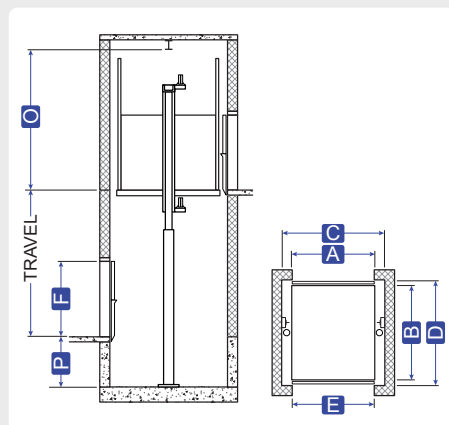
- No jack hole—avoids drilling cost and oil contamination risk
- Supports front and rear openings in any layout
- Suitable for both low- and high-capacity cars
- Requires less overhead than 2-stage holeless designs
- 2 stage holeless.

Contact MEI for sizes and options not listed.

Single Opening (F)



Double Opening (F/R)



Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Front (F) Rear (R)	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate W x D	Door Width And Height E x F
4000	7'-0" x 8'-0"	8'-11" x 8'-8"	8'-11" x 8'-9 3/4"	4'-6"	F	6'-8" x 7'-7"	6'-8" x 7'-4 1/2"	6'-8" x 8'-0"
4000	7'-0" x 8'-0"	8'-11" x 8'-10"	8'-11" x 9'-1 1/2"	4'-6"	F/R	6'-8" x 7'-6"	6'-8" x 7'-1"	6'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-11" x 9'-8"	9'-11" x 9'-9 3/4"	4'-6"	F	7'-8" x 8'-7"	7'-8" x 8'-4 1/2"	7'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-11" x 9'-10"	9'-11" x 10'-1 1/2"	4'-6"	F/R	7'-8" x 8'-6"	7'-8" x 8'-1"	7'-8" x 8'-0"
6000	10'-4" x 10'-0"	12'-6" x 10'-8"	12'-6" x 10'-9 3/4"	4'-6"	F	10'-0" x 9'-7"	10'-0" x 9'-4 1/2"	10'-0" x 8'-0"
6000	10'-4" x 10'-0"	12'-6" x 10'-10"	12'-6" x 11'-1 1/2"	4'-6"	F/R	10'-0" x 9'-6"	10'-0" x 9'-1"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-6" x 12'-8"	12'-6" x 12'-9 3/4"	4'-6"	F	10'-0" x 11'-7"	10'-0" x 11'-4 1/2"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-6" x 12'-10"	12'-6" x 13'-1 1/2"	4'-6"	F/R	10'-0" x 11'-6"	10'-0" x 11'-1"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-6" x 14'-8"	12'-6" x 14'-9 3/4"	4'-6"	F	10'-0" x 13'-7"	10'-0" x 13'-4 1/2"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-6" x 14'-10"	12'-6" x 15'-1 1/2"	4'-6"	F/R	10'-0" x 13'-6"	10'-0" x 13'-1"	10'-0" x 8'-0"

Guidelines for determining overhead required:

For 3 Stage Jack

- A) Car Speed = Up to 150 FPM
 B) Top Overtravel = 12"
 C) Bottom Overtravel = 8"
 D) Pit Depth = 4'-6"
 E) Cab Height = 8'-0"

Overhead Requirements:

3 Stage Jack with Single Section Gate:

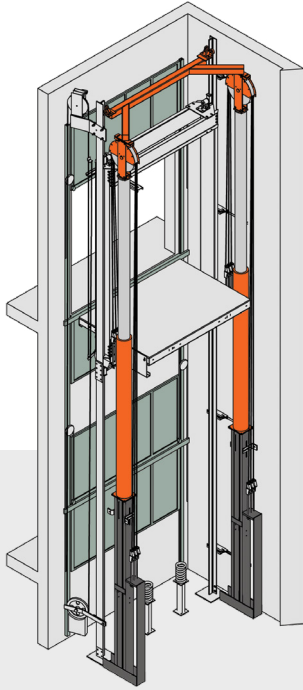
Minimum of 15'-1" overhead required for 38'-9" of travel and under. Add 1 1/32" for every additional 1" of travel over 38'-8".

3 Stage Jack with Two Section Gate:

Minimum of 13'-0" overhead required for 32'-0" of travel and under. Add 1 1/32" to 13'-0" for every additional 1" of travel over 32'-9".

Notes:

- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.
- Standard Cab Height H = 8'-0"



APPLICATION SUMMARY

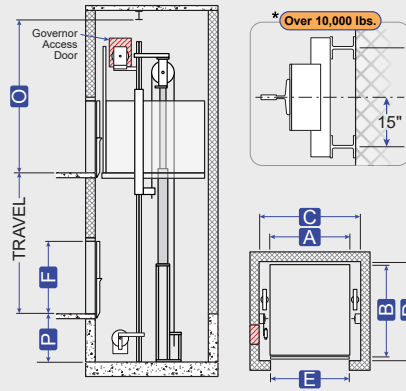
This design uses wire ropes and two hydraulic jacks to lift the car at a 1:2 ratio—each foot of jack movement raises the car two feet. Jacks are positioned on each side of the car to ensure maximum structural stability.

ADVANTAGES

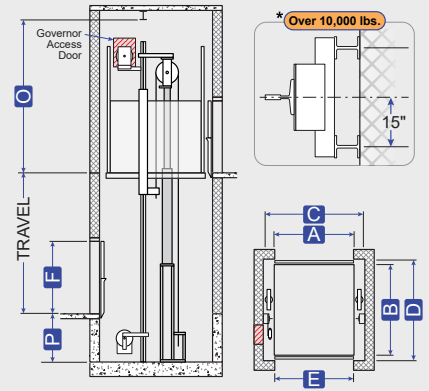
- No jack hole—eliminates oil contamination risk
- Supports front and rear openings in any layout
- No need for deep pit or extended overhead
- Accommodates large platforms and high-capacity loads

Contact MEI for sizes and options not listed.

Single Opening (F)



Double Opening (F/R)



A = Platform Width

D = Hoistway Depth

O = Overhead

B = Platform Depth

E = Clear Door Opening

P = Pit Depth

C = Hoistway Width

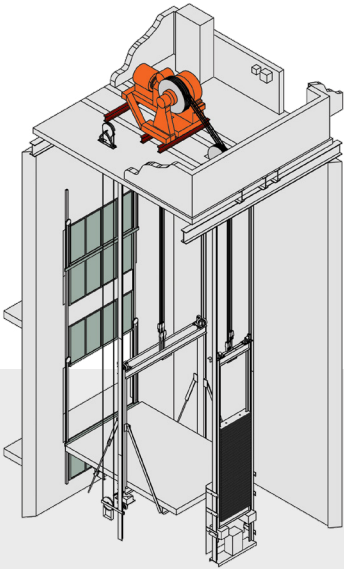
F = Clear Door Opening

Required in New York City and possibly other jurisdictions

Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Front (F) Rear (R)	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate W x D	Door Width And Height E x F
4000	7'-0" x 8'-0"	9'-0" x 8'-8"	9'-0" x 8'-9 3/4"	4'-6"	F	6'-8" x 7'-7"	6'-8" x 7'-4 1/2"	6'-8" x 8'-0"
4000	7'-0" x 8'-0"	9'-0" x 8'-10"	9'-0" x 9'-1 1/2"	4'-6"	F/R	6'-8" x 7'-6"	6'-8" x 7'-1"	6'-8" x 8'-0"
5000	8'-0" x 9'-0"	10'-2" x 9'-8"	10'-2" x 9'-9 3/4"	4'-6"	F	7'-8" x 8'-7"	7'-8" x 8'-4 1/2"	7'-8" x 8'-0"
5000	8'-0" x 9'-0"	10'-2" x 9'-10"	10'-2" x 10'-1 1/2"	4'-6"	F/R	7'-8" x 8'-6"	7'-8" x 8'-1"	7'-8" x 8'-0"
6000	10'-4" x 10'-0"	12'-6" x 10'-8"	12'-6" x 10'-9 3/4"	4'-6"	F	10'-0" x 9'-7"	10'-0" x 9'-4 1/2"	10'-0" x 8'-0"
6000	10'-4" x 10'-0"	12'-6" x 10'-10"	12'-6" x 11'-1 1/2"	4'-6"	F/R	10'-0" x 9'-6"	10'-0" x 9'-1"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-10 1/4" x 12'-8"	12'-10 1/4" x 12'-9 3/4"	4'-6"	F	10'-0" x 11'-7"	10'-0" x 11'-4 1/2"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-10 1/2" x 12'-10"	12'-10 1/2" x 13'-1 1/2"	4'-6"	F/R	10'-0" x 11'-6"	10'-0" x 11'-1"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	13'-4 1/4" x 14'-8"	13'-4 1/4" x 14'-9 3/4"	4'-6"	F	10'-0" x 13'-7"	10'-0" x 13'-4 1/2"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	13'-4 1/4" x 14'-10"	13'-4 1/4" x 15'-1 1/2"	4'-6"	F/R	10'-0" x 13'-6"	10'-0" x 13'-1"	10'-0" x 8'-0"
12000	12'-4" x 12'-0"	15'-8 1/4" x 12'-8"	15'-8 1/4" x 12'-9 3/4"	4'-6"	F	12'-0" x 11'-7"	12'-0" x 11'-4 1/2"	12'-0" x 8'-0"
12000	12'-4" x 12'-0"	15'-8 1/4" x 12'-10"	15'-8 1/4" x 13'-1 1/2"	4'-6"	F/R	12'-0" x 11'-6"	12'-0" x 11'-1"	12'-0" x 8'-0"
15000	12'-4" x 16'-0"	16' 1/4" x 16'-8"	16' 1/4" x 16'-9 3/4"	5'-0"	F	12'-0" x 15'-7"	12'-0" x 15'-4 1/2"	12'-0" x 8'-0"
15000	12'-4" x 16'-0"	16' 1/4" x 16'-10"	16' 1/4" x 17'-1 1/2"	5'-0"	F/R	12'-0" x 15'-6"	12'-0" x 15'-1"	12'-0" x 8'-0"
20000	12'-4" x 20'-0"	16' 3/4" x 20'-8"	16' 3/4" x 20'-9 3/4"	5'-0"	F	12'-0" x 19'-7"	12'-0" x 19'-4 1/2"	12'-0" x 8'-0"
20000	12'-4" x 20'-0"	16' 3/4" x 20'-10"	16' 3/4" x 21'-1 1/2"	5'-0"	F/R	12'-0" x 19'-6"	12'-0" x 19'-1"	12'-0" x 8'-0"
25000	14'-4" x 20'-0"	18' 1/2" x 20'-8"	18' 1/2" x 20'-9 3/4"	5'-6"	F	14'-0" x 19'-7"	14'-0" x 19'-4 1/2"	14'-0" x 8'-0"
25000	14'-4" x 20'-0"	18' 1/2" x 20'-10"	18' 1/2" x 21'-1 1/2"	5'-6"	F/R	14'-0" x 19'-6"	14'-0" x 19'-1"	14'-0" x 8'-0"

Notes:

- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.
- Standard Cab Height H = 8'-0"
- Minimum Overhead for Single Section Gates: **O** = 14'-6"
- Minimum Overhead for Two Section Gates: **O** = 13'-11"



APPLICATION SUMMARY

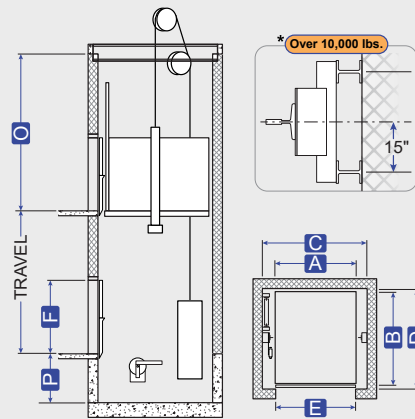
This design uses a geared machine, ropes, and counterweights instead of hydraulic equipment. Main guide rails are mounted on both sides of the car, with counterweight rails on one side or at the rear. The geared machine and drive components are typically located above the hoistway in a penthouse machine room, though they may also be placed beside the hoistway at a lower level—this is known as basement traction.

ADVANTAGES

- No risk of ground oil contamination
- Supports front and rear openings in any layout
- Available for both low- and high-capacity cars
- Allows for nearly unlimited travel
- More energy efficient than hydraulic systems
- Supports significantly higher speeds than hydraulic designs

Contact MEI for sizes and options not listed.

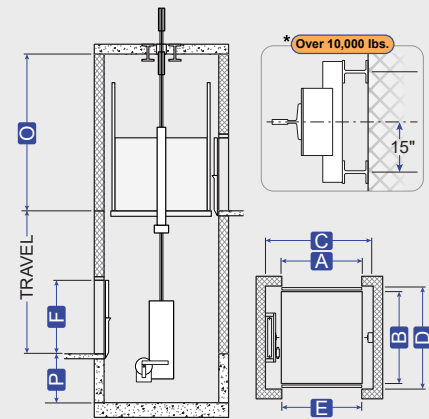
Single Opening (F)



A = Platform Width
B = Platform Depth
C = Hoistway Width

D = Hoistway Depth
E = Clear Door Opening
F = Clear Door Opening

Double Opening (F/R)



O = Overhead
P = Pit Depth
S = Platform to Wall

Cap. (lbs)	Platform A × B	Hoistway With Power Regular Type Doors C × D	Hoistway With Power Pass Type Doors C × D	Front/ Rear	Pit Depth	Minimum Overhead With One Section Gate	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate W x D	Door Width E	Max. Speed FPM
4000	7'-0" x 8'-0"	9'-2" x 8'-8"	9'-2" x 8'-10"	F	5'-2"	16'-0" *	6'-8" x 7'-7"	6'-8" x 7'-4 1/2"	6'-8"	350
4000	7'-0" x 8'-0"	9'-9 1/2" x 8'-10"	9'-7" x 9'-2"	F/R	5'-2"	16'-0" *	6'-8" x 7'-6"	6'-8" x 7'-1"	6'-8"	350
5000	8'-0" x 9'-0"	10'-2" x 9'-8"	10'-2" x 9'-10"	F	5'-2"	16'-0" *	7'-8" x 8'-7"	7'-8" x 8'-4 1/2"	7'-8"	350
5000	8'-0" x 9'-0"	10'-9 1/2" x 9'-10"	10'-7" x 10'-2"	F/R	5'-2"	16'-0" *	7'-8" x 8'-6"	7'-8" x 8'-1"	7'-8"	350
6000	10'-4" x 10'-0"	12'-6" x 10'-8"	12'-6" x 10'-10"	F	5'-2"	16'-0" *	10'-0" x 9'-7"	10'-0" x 9'-4 1/2"	10'-0"	350
6000	10'-4" x 10'-0"	13'-1 1/2" x 10'-10"	12'-11" x 11'-2"	F/R	5'-2"	16'-0" *	10'-0" x 9'-6"	10'-0" x 9'-1"	10'-0"	350
8000	10'-4" x 12'-0"	12'-6" x 12'-8"	12'-6" x 12'-10"	F	5'-2"	16'-0" *	10'-0" x 11'-7"	10'-0" x 11'-4 1/2"	10'-0"	350
8000	10'-4" x 12'-0"	13'-8" x 12'-10"	13'-1" x 13'-2"	F/R	5'-2"	16'-0" *	10'-0" x 11'-6"	10'-0" x 11'-1"	10'-0"	350
10000	10'-4" x 14'-0"	12'-9" x 14'-8"	12'-9" x 14'-10"	F	6'-0"	17'-6" *	10'-0" x 13'-7"	10'-0" x 13'-4 1/2"	10'-0"	225
10000	10'-4" x 14'-0"	12'-9" x 14'-10"	12'-9" x 15'-2"	F/R	6'-0"	17'-6" *	10'-0" x 13'-6"	10'-0" x 13'-1"	10'-0"	225
12000	12'-4" x 12'-0"	14'-9" x 12'-8"	14'-9" x 12'-10"	F	6'-0"	17'-6" *	12'-0" x 11'-7"	12'-0" x 11'-4 1/2"	12'-0"	200
12000	12'-4" x 12'-0"	15'-10 1/2" x 12'-10"	15'-6" x 13'-2"	F/R	6'-0"	17'-6" *	12'-0" x 11'-6"	12'-0" x 11'-1"	12'-0"	200
15000	12'-4" x 16'-0"	14'-10" x 16'-8"	14'-10" x 16'-10"	F	6'-0"	18'-0" *	12'-0" x 15'-7"	12'-0" x 15'-4 1/2"	12'-0"	150
15000	12'-4" x 16'-0"	14'-10" x 16'-10"	14'-10" x 17'-2"	F/R	6'-0"	18'-0" *	12'-0" x 15'-6"	12'-0" x 15'-1"	12'-0"	150

Based on car speed of 200 fpm • **F** = 8'-0" • Cab Height = 8'-0" • For seismic applications add 3" to hoistway width

Notes:

- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.
- Standard Cab Height H = 8'-0"

*Speeds exceeding 200 FPM require additional overhead and pit depth. Minimum pit depth is based on the use of spring buffers. Add 5" to pit depth if oil buffers are required or car speed exceeds 200 FPM.

225 FPM = add 6" of overhead & 5" of pit depth
 250 FPM = add 7" of overhead & 5" of pit depth
 300 FPM = add 8" of overhead & 5" of pit depth
 350 FPM = add 10" of overhead & 6" of pit depth

STEPHENS GARAGE NEW ORLEANS, LA

Rimex 5SM cab walls, painted white canopy with recessed LED lighting, 1/4" aluminum checker plate flooring and wainscoting with 2 rows of 1/2" x 4" solid rectangular handrails



CAB CONSTRUCTION FEATURES

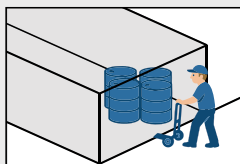
- Cabs are built with durable 14-gauge steel (12 and 10 gauge also available)
- Standard 24" wall panels simplify installation
- Powder coat finishes available in a wide range of colors
- #4 brushed stainless steel finish available
- Wood, steel, or stainless steel wall bumpers
- LED lighting recessed into the canopy
- Finished floor options include checker plate steel, hardwood, and more

ADVANTAGES

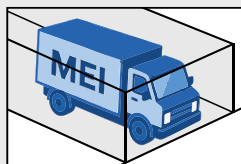
- Openings are pre-drilled for the car gates
- Handrail & bumper installation from inside cab
- Wall and canopy panels are interchangeable for ease of installation
- Wall and canopy panels are individually replaceable if damaged
- Variety of durable finishes and thicknesses available
- Steel checker plate flooring is welded to the stringers as a standard for a clean look and superior strength

CLASS OF LOADING DEFINITIONS

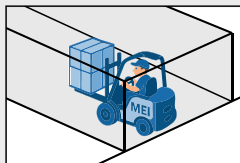
CLASS A



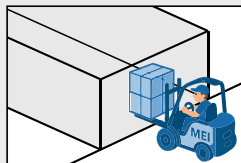
CLASS B



CLASS C1



CLASS C2



ASME A17.1 code requirements for minimum rated capacity are as follows:

CLASS A (General Freight Loading) – 50 lbs. per sq. ft.

CLASS B (Motor Vehicle Loading) – 30 lbs. per sq. ft.

CLASS C1 (Industrial Truck Loading – truck carried by elevator) – 50 lbs. per sq. ft., but not less than load, including weight of truck.

CLASS C2 (Industrial Truck Loading – truck is normally used for loading and unloading only, and is not usually carried by elevator) – for elevators of 25,000 lbs. capacity or less capacity shall equal the weight of the loaded truck – maximum load on platform during loading and unloading not exceed 150% of rated load.

CLASS C3 (Other loading with heavy concentrations where truck is not usually used) – 50 lbs. w per sq. ft., but not less than load.

NOTE: Square feet area of platform is determined by net inside area.

GENERAL NOTE: 1 lb. = 0.454 kg. 1 ft² = 9.29 E-2m²



CABS ENTRANCES DOORS

MEI provides complete cabs, entrances, and doors engineered for performance, durability, and ease of installation. Each component is designed to integrate seamlessly across a range of elevator configurations and building types. With field-proven construction and customizable finishes, MEI delivers solutions that meet the demands of both new construction and modernization projects.



 **MADE IN THE USA**

PASSENGER CABS

Raised panel design advantages:

- Clip-on panels simplify installation
- Lightweight metal walls with reveal finish
- Slotted alignment improves panel fit
- Lightweight drop ceiling reduces load
- Handrails install from inside the cab
- Multi-piece canopy panels standard for easier handling



Kansas City VA Medical Center

- Horizontal COP
- Pewter-brush laminate raised panels with stainless-steel reveals
- Stainless-steel fronts, sills, and cab doors
- ½" x 1½" stainless-tube handrails
- Stainless-steel drop ceiling with LED lighting



HOM Furniture - Bloomington, MN

- ½" laminate panels over painted black reveals
- Painted steel canopy
- Aluminum T-frame ceiling with LED lights mounted on the canopy
- SS #4 fronts and aluminum sills



Milwaukee Central Library - Milwaukee, WI

- 14 GA #4 stainless steel cab
- Painted steel canopy
- Aluminum T-frame ceiling with LED lights mounted on the canopy
- SS #4 fronts and aluminum sills

SERVICE CABS

Advantages:

- Durable passenger cab construction with high-quality finishes
- Optional heavy-gauge steel walls and added wall protection
- Includes standard passenger door configurations
- Broad selection of interior finishes available
- Vandal-resistant options offered
- Commonly used in hospitals, universities, airports, transit hubs, and hotels



John Michael Kohler Art Center's Art Preserve - Sheboygan, WI

- Rimex 5SM cab walls, fronts, and doors (SS #4)
- Painted black canopy
- SS #4 drop ceiling with high-voltage LED downlights
- ½" x 1½" rectangular-tube handrails (SS #4 finish)
- ¼" x 6" solid bumpers (SS #4 finish)
- Nickel-silver sills
- Gray canvas pads and hooks

GLASS CABS

Advantages:

- Every glass cab is 3D modeled and assembled at MEI to ensure fit and design
- Tamperproof sash fasteners allow efficient glass panel installation
- Ball-and-slot wall fastening system improves installation speed
- 3D models are accessible via mobile devices for field mechanics
- Constructed with high-quality stainless steel for a sharp, cost-effective finish

MEI Headquarters - Mankato, MN

- Glass panels set in SS #4 framing
- 1½" round handrail with returned ends
- SS #4 fronts
- SS #4 drop ceiling with LED lights



HOM Furniture - Bloomington, MN

- Glass cab walls wrapped in SS #4 framing
- SS #4 fronts
- SS #4 drop ceiling with LED lighting
- ½" x 1½" rectangular-tube handrails (SS #4 finish)
- Aluminum sills

STANDARD SERVICE CAB

Engineered for high-traffic commercial environments, this cab features a reinforced steel shell with customizable finishes that combine strength and adaptability. Ideal for public buildings, parking structures, and service-heavy applications.

Walls: Formed steel with a durable painted finish.

Door: #4 stainless steel

Lighting: LED perimeter lighting

Ceiling: #4 stainless steel drop ceiling

Handrail: Round stainless steel

Bumpers: 2" x 6" solid oak

PLASTIC LAMINATE CAB

Designed for low- to medium-traffic environments, this passenger cab features a cost-effective interior featuring flush wall panels and modern laminate finishes. Ideal for residential and commercial settings where budget and style must align.

Walls: Wood core Solar Oak plastic laminate

Door: #4 stainless steel

Lighting: Recessed LED lights with black trim

Ceiling: #4 stainless steel drop ceiling

Handrail: Round stainless steel

Base: Painted black

RAISED PANEL CAB

Built for high-traffic use, this cab combines steel construction with raised panel design for an elevated appearance.

Walls: #4 stainless steel cab walls

Door: #4 stainless steel

Lighting: Recessed LED lights with black trim

Ceiling: #4 stainless steel drop ceiling

Handrail: Round stainless steel

Panels: Features upper raised panels in Atlantis plastic laminate, complemented by lower raised panels in 5th Ave. Elm plastic laminate

GLASS WALL CAB



Premium Option for Showcase Installations

MEI's flagship cab features a glass rear wall and stainless framing for a clean, architectural look—ideal for high profile projects.

Walls: Rear and side glass walls with stainless mullions

Door: #4 stainless steel

Lighting: Recessed LED lights with black trim

Ceiling: #4 stainless steel drop ceiling

Handrail: Round stainless steel

Custom Options: Full or partial glass side walls, matched metal finishes, customizable glass height

STANDARD AVAILABLE FEATURES

All MEI passenger cabs include the following components or options:

Other options are available. Contact our sales department for more information.

Sill: Hidden fastener design; materials available in aluminum, nickel-silver, stainless steel, or bronze

Front Return: 12-14-gauge #4 or #8 stainless steel, patterned stainless steel, or painted steel

Canopy: 12-14 gauge #4 or #8 stainless steel, patterned stainless steel, or painted steel

Raised Panels: #4 or #8 stainless steel, patterned stainless steel, painted steel, or laminate

Lighting: Recessed LED fixtures

Handrail: See page 47

Drop ceilings: See page 46

Door: Painted, stainless steel, glass, or patterned (all paint is powder coated)

Options:

- Sound-deadening for walls, door, or canopy
- Light-proof joints
- #4, #8 stainless steel, painted, patterned, or painted wall base
- Concealed wall vents (where applicable)
- Car top shrouding
- Wainscoting

MEI CAB DESIGN STUDIO

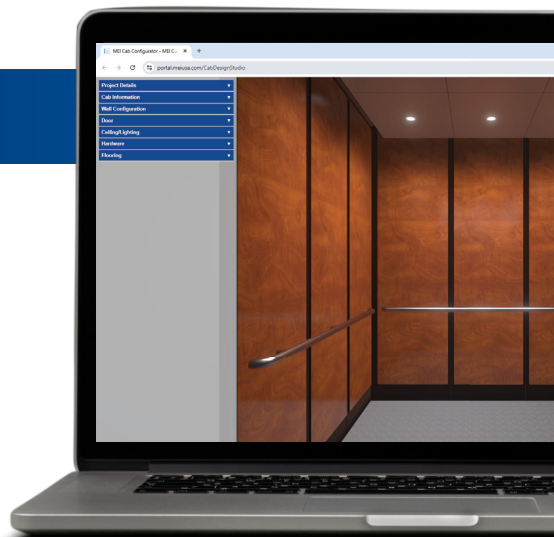
With the MEI Cab Design Studio, creating your ideal elevator interior is just the beginning. Once your design is set, MEI builds it with precision, using premium materials like glass, stainless steel, and laminated panels — all available in custom sizes.



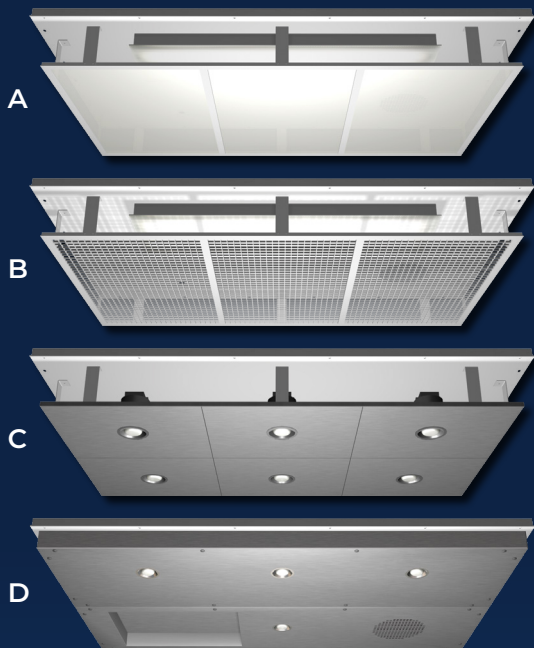
DESIGN YOUR ELEVATOR CAB TODAY!

portal.meiusa.com/cabdesignstudio

For best results, view on a desktop.



DROP CEILINGS



CEILING OPTIONS:

- A.** LED lights above aluminum painted T-bar with polycarbonate diffusers
- B.** LED lights above aluminum painted T-bar with aluminum eggcrate diffusers
- C.** Drop ceiling textured or stainless-steel panels and recessed LED lighting
- D.** LED downlights with decorative trim and vandal-resistant edge

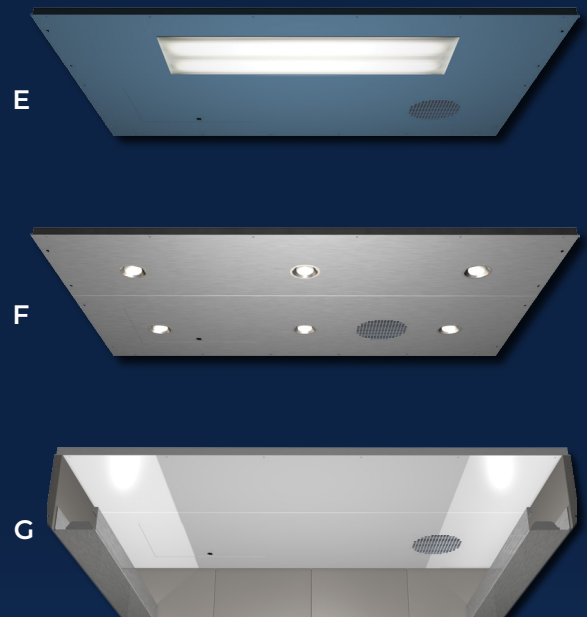
Canopy Standard Specifications:

- 14-gauge reinforced steel canopy
- Combination single-speed/two-speed fan
- Emergency exit panel with electrical contact switch

Optional Canopy Features:

- 12-gauge canopy material

LIGHTS IN CANOPY



LIGHTING OPTIONS:

- E.** Recessed LED lights
- F.** LED downlights
- G.** Cove/trough-style LED lighting

Canopy Standard Specifications:

- 14-gauge reinforced steel construction
- Integrated single-speed/two-speed fan
- Emergency exit panel with electrical contact switch

Optional Features:

- 12-gauge canopy material
- Brushed or textured stainless-steel finish

Other options are available.
Contact our sales department for more information.

HANDRAILS & BUMPERS

Round Handrail with Returned or Straight Ends

Diameter	Finishes
1-1/2"	Brushed Stainless Steel or Brushed Bronze
2"	Brushed Stainless Steel or Brushed Bronze

Hollow Flat Bar Handrail with Returned Ends

Thickness	Height	Finishes
1/2"	1-1/2"	Brushed Stainless Steel Only

Solid Flat Bar Handrail with Returned or Straight Ends

Thickness	Height	Finishes
1/2"	1-1/2"	Brushed Stainless Steel or Brushed Bronze
3/8"	2"	Brushed Stainless Steel or Brushed Bronze
3/8"	3"	Brushed Stainless Steel or Brushed Bronze
3/8"	4"	Brushed Stainless Steel or Brushed Bronze
3/8"	6"	Brushed Stainless Steel or Brushed Bronze
1/4"	4"	Brushed Stainless Steel or Brushed Bronze
1/4"	6"	Brushed Stainless Steel or Brushed Bronze

Wood Handrail or Bumper

Thickness	Height	Finishes
1-1/2"	5-1/2"	Hardwood Maple or Oak with Clear Coat Finish
1-1/2"	7-1/2"	Hardwood Maple or Oak with Clear Coat Finish
1-1/2"	9-1/2"	Hardwood Maple or Oak with Clear Coat Finish
1-1/2"	11-1/2"	Hardwood Maple or Oak with Clear Coat Finish

Solid Flat Bar Bumper with Returned or Straight Ends

Thickness	Height	Finishes
3/8"	8"	Brushed Stainless Steel Only
1/4"	8"	Brushed Stainless Steel Only



CAR STATIONS

All MEI COP designs include removable flush-mounted plates for the Capacity/No Smoking signs and the Phase II Fire Instructions. This feature makes wording changes convenient and inexpensive.

SWING PANEL

- **Position Indicator:** Each PI features two alphanumeric characters and is field-programmable.
- **Emergency Light**
- **Capacity/No Smoking Plate:** Stud-mounted removable plate with laser-cut joints and etched signage.
- **Phase II Fire Instructions:** Stud-mounted plate with laser-cut joints and engraved signage.
- **Key Switches:** All standard key switches are included. Additional key switches are available for specific applications.
- **Factory-Wired COP:** All key switch and pushbutton modules can be factory-wired to a terminal strip. Fastening points are clearly identified.
- **Buttons with Braille:** All required pushbuttons are provided with corresponding Braille.
- **Push-to-Talk Phone:** ADA-compliant hands-free phone with battery backup.

AVAILABLE DESIGNS



SWING PANEL
Size: 13" W x 84" H



APPLIED
Size: 10" W x 65 1/2" H

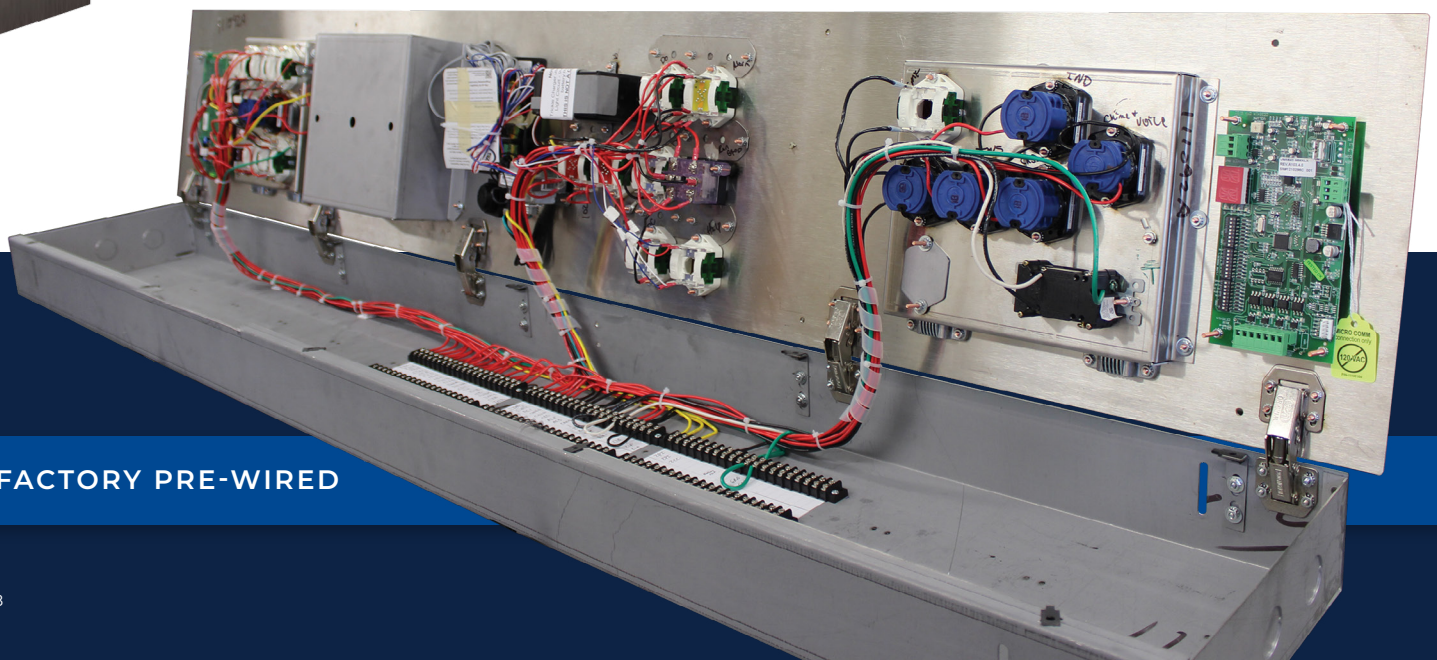


FULL SWING RETURN
Size: Varies by cab



TILT
Size: 10" W x 84" H

FACTORY PRE-WIRED



CAB FRONTS

The transom, jambs, and return filler are available in 14 gauge material. Brushed stainless steel, polished stainless steel, patterned stainless steel, painted steel, or brushed bronze finishes are available. Auxiliary COP designs are also available.



SINGLE-SPEED SIDE OPEN



TWO-SPEED SIDE OPEN



TWO-SPEED CENTER OPEN



SINGLE-SPEED CENTER OPEN

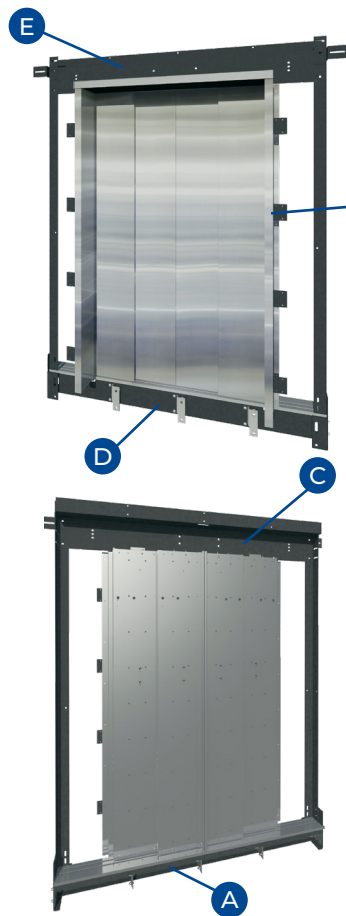
CAB DOORS

Doors are available in single-speed side slide, two-speed side slide, center-opening, and two-speed center-opening configurations.

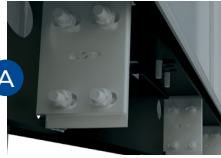
Various door widths and heights are available to accommodate your project's needs.

Brushed stainless steel, polished stainless steel, patterned stainless steel, painted steel, laminated steel (with stainless leading edge), or brushed bronze finishes are available.

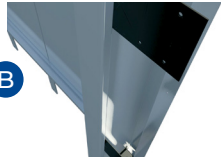
Door cladding is available in 20 gauge or 16 gauge material.



INSTALLATION ADVANTAGES

**Groutless Adjustable Sill Option**

Sill angle brackets adjust to hoistway imperfections for quick, level installation—no grouting required. Traditional grouted sill also available.

**Innovative Drywall Frame Clips**

Front-facing fasteners on mounting brackets simplify and speed up installation.

**Universal Opening**

Strike jambs are reversible for universal right- or left-hand configurations.

**Raised Frame Attachment**

Includes ½" clearance to eliminate masonry modification during installation.

**Masonry and Gypsum Compatible**

Frame construction and mounting are consistent across wall types for seamless fit in both masonry and gypsum construction.

GENERAL SPECIFICATIONS FOR ALL ENTRANCES

FRAME

- Bolted construction; 16ga. stainless or steel standard, 14ga. optional
- UL listed for gypsum walls; clips used for gypsum attachment
- 2" return, strike, and header
- Left, right, or center hand; 1-speed or 2-speed doors
- Powder-coated or stainless finish

STRUT

- 10ga. steel; extensions available for gypsum

SILLS

- Materials: Aluminum (std), Nickel Silver, Stainless
- Groutless: Up to 10,000 lbs (Class A), 6,000 lbs (Class C1/C3); includes wedge anchors
- Grouted: Unlimited capacity; adjustable leveling

HEADER

- 10ga. steel, drilled for GAL (others by request)

DOORS

- 1.5-hour UL fire-rated
- Right or left hand
- 20ga. stainless standard, 16ga. Optional
- Painted doors require sheet steel skin for gloss
- Slide guides and safety gibs standard
- Pre-drilled for GAL, OEM, or custom door operators
- Sight guard matches door finish

FASCIA

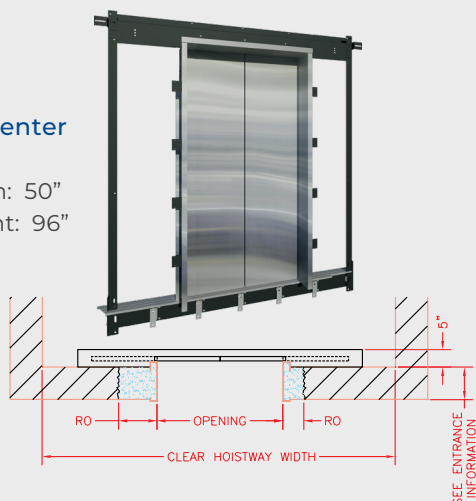
- 14ga. galvanized steel; max 58" per section

CENTER OPENING ENTRANCES

Offered as Full Entrance Packages or Doors Only

1-Speed Center Opening

Max. Width: 50"
Max. Height: 96"



2-Speed Center Opening

Max. Width: 96"
Max. Height: 96"

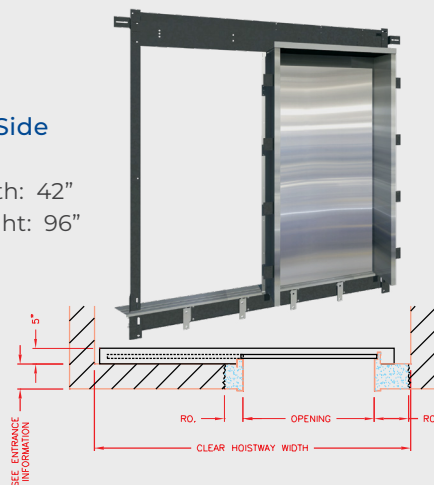


SIDE OPENING ENTRANCES

Offered as Full Entrance Packages or Doors Only

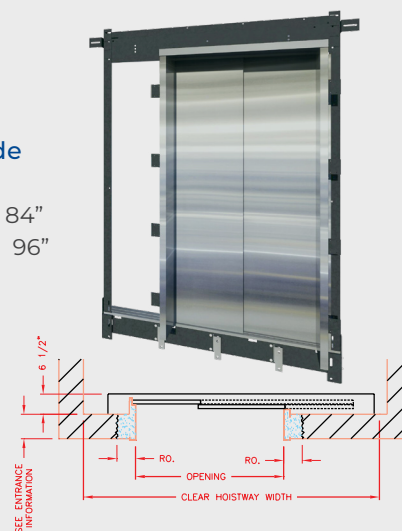
1-Speed Side Opening

Max. Width: 42"
Max. Height: 96"



2-Speed Side Opening

Max. Width: 84"
Max. Height: 96"

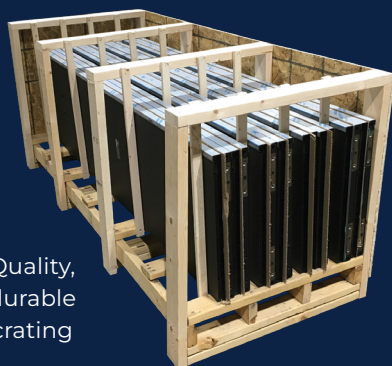


INSTALLATION FEATURES

Allen set screws secure blocks—no drilling or tapping required

No More Drilling and Tapping...
Adjust with Ease!

- Adjustable Door Roller Blocks
- Hex Nutserts on Trailing Edge Linkage



Quality,
durable
crating

ENTRANCE/CAB REPLACEMENT DOORS



Powder
Coated or
Stainless
Finish



ENTRANCE & CAB

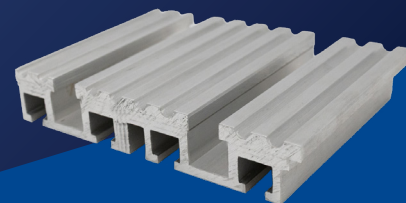
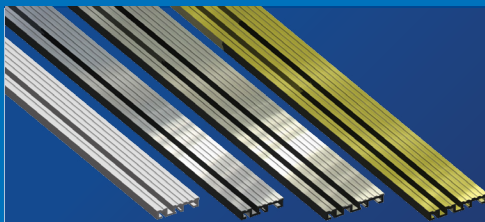
- Competitive pricing
- Robust design
- UL labeled entrance doors
- 1- or 2-speed configurations
- Side or center opening

LEAD TIME OPTIONS

- Standard: 5 weeks
- Expedited: 2-3 weeks

STANDARD PARTS

- Door gibs
- Sight guards
- Astragals
- Bumpers



STANDARD SILLS

READY-TO-SHIP PROFILES FOR FAST, RELIABLE REPLACEMENT

MEI – Archi-Tread has the widest variety of sill profiles available. Our standard sills are stocked and ready to ship, giving you fast, reliable options when you need them.

BENEFITS:

- Multiple profiles in stock for fast turnaround
- Offered in standard lengths or custom-cut
- Available in a variety of finish options

CUSTOM SILLS

PRECISION-MADE FOR UNIQUE PROJECTS

Not every project fits a standard profile. MEI – Archi-Tread custom sills are made to order and built to your exact dimensions, speeds, widths, and configurations. We deliver a perfect fit without the delays or compromises of off-the-shelf solutions.

BENEFITS:

- Fully customizable to meet your project's exact requirements
- Precision fabrication for a perfect fit and hassle-free installation
- Available in a variety of finish options

No minimums - purchase what you need, exactly when you need it.

SILLSKIN®

ELEVATOR SILL OVERLAYS FOR MODERNIZATION AND NEW CONSTRUCTION

SILLSKIN® is a patented, field-installed overlay system that delivers a premium finish with minimal disruption. Whether you're upgrading an existing entrance or finishing a new installation, SILLSKIN® provides a sleek, durable solution—quickly and cost-effectively.



MODERNIZATION

Upgrade Without the Tear-Out

SILLSKIN® enhances the look of existing elevator sills without the need to remove the original. Installed directly over the current sill, this patented system eliminates demolition, reduces downtime and disruption—making it a fast, clean upgrade.

Benefits:

- Applied over existing sill—no removal required
- Avoids mess, noise, and surface damage to floors
- Fast turnaround with minimal impact to operations
- Modern, high-end appearance
- Seamless fit



NEW CONSTRUCTION

Protect During Buildout. Finish at Turnover.

SILLSKIN® for new construction is a two-part system designed to protect and finish sills at the right stage of the project. A durable base sill is installed with the elevator equipment, followed by the overlay after construction wraps—delivering a pristine, turnover-ready result.

Benefits:

- Base sill installed during elevator installation
- Finished overlay applied post-construction
- Eliminates sill damage during construction
- Clean, consistent look at turnover
- Engineered for durability and visual impact



POWER UNITS

MEI offers a full line of reliable, field-proven hydraulic power units engineered for smooth, efficient elevator operation. Each unit is designed for compatibility with a wide range of elevator systems and site conditions. With modular components, simplified service access, and customizable configurations, MEI power units deliver performance you can depend on—from standard applications to high-capacity demands.



 **MADE IN THE USA**



Advantages

- Cost effective
- Attractive compact design
- All components are located in the tank
- Shortest lead times

Standard Equipment

- 80 starts per hour motor
- Compact silencer with proprietary noise suppression
- Oil level dip stick
- Isolation between the pump/motor assembly and the tank
- Oil temperature sensor (ASME 2010 code only)

POWER UNIT SIZES

Model	Width	Depth	Height	Motors	Transferable Oil	Lead Time
SS-29	41"	20-3/4"	38"	Single	35 gal.	7-10 Days
SS-38	33-1/2"	18-3/8"	44-7/8"	Single	38 gal.	3-6 Weeks
SS-88	51"	24-3/4"	47"	Single	87 gal.	7-10 Days
SS-88 Tall	51"	24-3/4"	53"	Single	116 gal.	7-10 Days
ST-109	51"	34"	50-3/8"	Single or Tandem	128 gal.	3-6 Weeks
ST-109 Tall	51"	34"	56-3/8"	Single or Tandem	168 gal.	3-6 Weeks
ST-200	63"	34"	55-5/8"	Single or Tandem	202 gal.	3-6 Weeks
ST-200 Tall	63"	34"	61-5/8"	Single or Tandem	253 gal.	3-6 Weeks
Custom Tank Sizes Available						Expedited options available



Additional Parts Available Online



Top Mounted Valve Option



Advantages

- High reliability
- Cooling of the motor with air rather than oil
- Easy serviceability
- Larger available capacities
- Accurate speed control

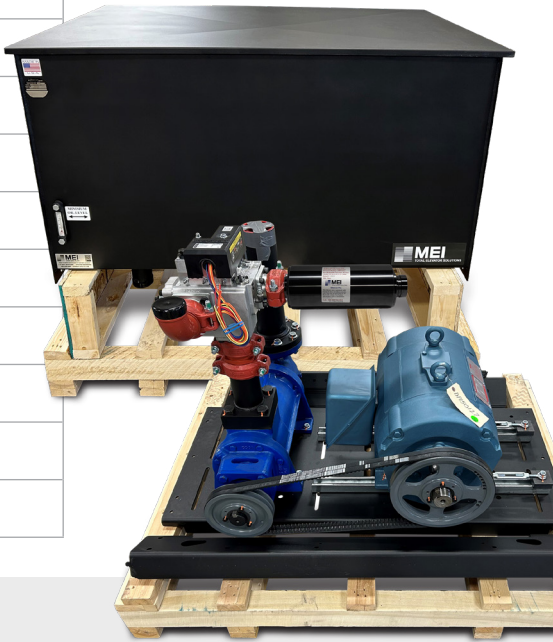
Standard Equipment

- Multiple motors per tank - 80 starts per hour
- Compact silencer with proprietary noise suppression
- Oil level sight gauge
- Drip pan included with each pump and motor assembly
- Isolation between pump/motor assembly and main Framework
- Anchoring holes for frame to floor attachment
- Junction box
- Unit can be disassembled to fit through small openings
- Oil temperature sensor (ASME 2010 code only)
- Bolt together frame
- Panels with insulation (panels not shown on image)

POWER UNIT SIZES

Model	Width	Depth	Height	Motors	Transferable Oil
DS-60	44.25"	33.5"	66"	Single	59 gal.
DS-72	54"	35"	72"	Single	63 gal.
DS-72 Tall	54"	35"	78"	Single	106 gal.
DS-96	62"	41"	72"	Single	87 gal.
DS-96 Tall	62"	41"	78"	Single	145 gal.
DS-110	62"	47"	72"	Single	100 gal.
DS-110 Tall	62"	47"	78"	Single	167 gal.
DT-120	91"	33.5"	66"	Single or Tandem	118 gal.
DT-192	119"	41"	72"	Single or Tandem	174 gal.
DT-192 Tall	119"	41"	78"	Single or Tandem	291 gal.
DT-221	119"	47"	72"	Single or Tandem	201 gal.
DT-221 Tall	119"	47"	78"	Single or Tandem	335 gal.
Custom Tank Sizes Available LEAD TIME: 4-6 Weeks Expedited options available					

Additional Parts
Available Online

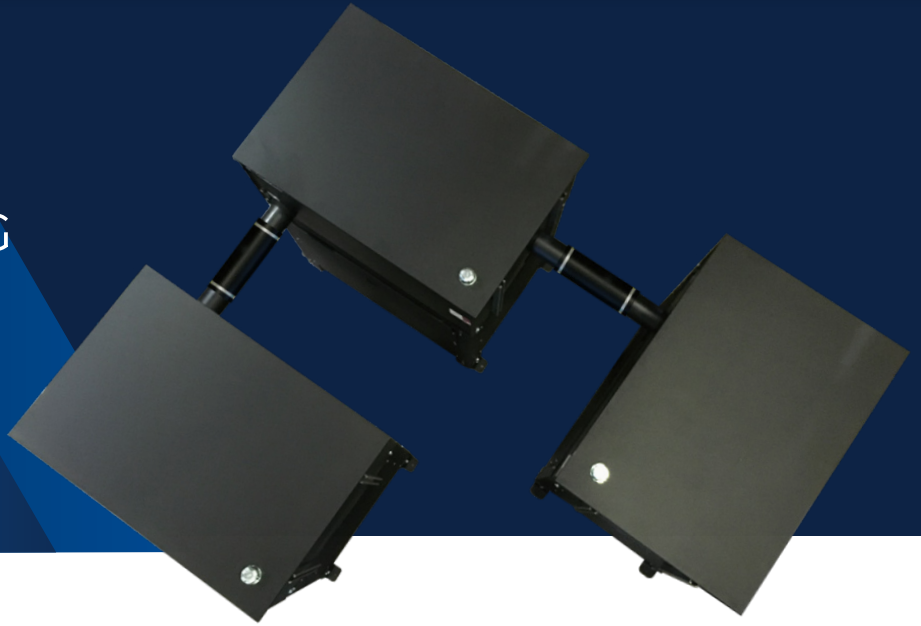


Dry Power Units Can be Shipped Disassembled for Easier Installation

READY TO BUILD YOUR CUSTOM POWER UNIT? CONTACT US TODAY AT 507-245-4245.

CUSTOM POWER UNITS FOR DEMANDING APPLICATIONS

MEI manufactures power units built to perform in the toughest environments, with configurations and layouts designed around your specific needs.



Capabilities Include:

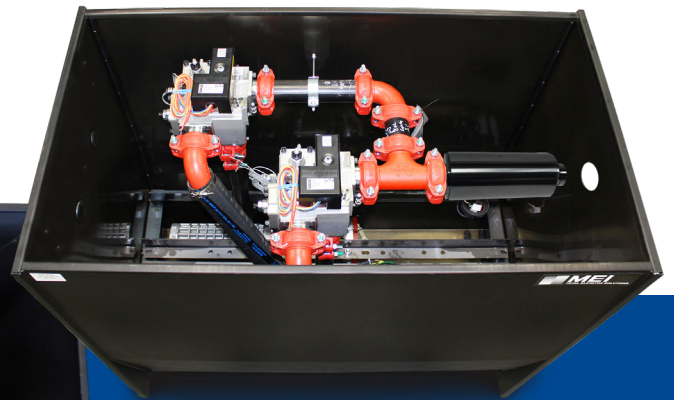
- Submersible or dry configurations – available in tandem or triple setups
- Two- or three-pump, motor, and valve combinations – housed in a single tank or across multiple tanks
- High flow and pressure performance – engineered to minimize wear for heavy-duty or high-traffic use

Engineered for Your Space:

- We design power units to fit the unique constraints of any machine room
- Narrow-profile units for tight spaces
- Parallel-linked assemblies for efficiency and access
- Other space-saving layouts tailored to your site

The MEI Advantage:

- Flexible designs that meet your exact requirements
- Reliable, serviceable systems without compromise
- Proven performance in the most restrictive site conditions



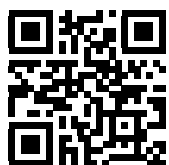
READY TO BUILD YOUR IDEAL POWER UNIT?

Contact MEI today at 507-245-4245 to discuss your project and discover how our custom solutions can meet your exact needs.



CONTROLLERS

MEI offers reliable, non-proprietary elevator controllers built for precision, flexibility, and long-term support. Each controller is engineered for dependability and compatibility with both standard and complex elevators. With simplified diagnostics, expert support, and detailed documentation, MEI controllers deliver dependable performance for new installations and modernizations.



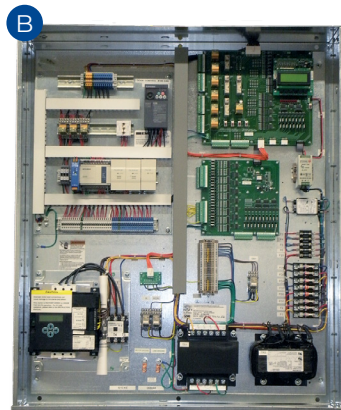
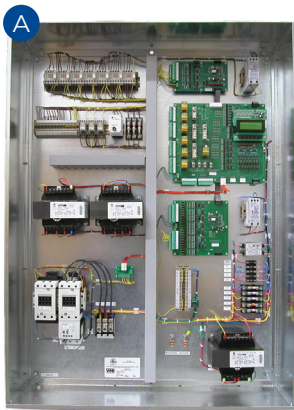
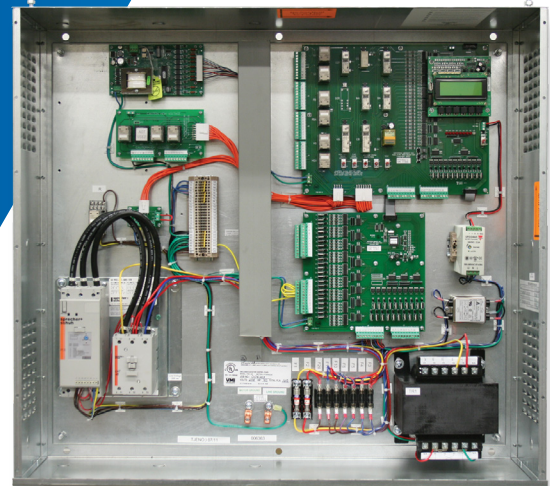
 **MADE IN THE USA**

HYDRAULIC CONTROLS

VHC-102

Hydraulic Passenger Controller

- Non-proprietary design requires no special software or tools to troubleshoot
- Passenger and freight
- Integrated freight door controller - Peelle and EMS
- 4 x 20 character display for easy to understand information
- Serial COP communication
- Expedited delivery available
- Optional 3 year extended warranty (includes all boards, power supply, transformer, and solid state starter)



VHC-102 (INTEGRATED)

Hydraulic Freight Controller

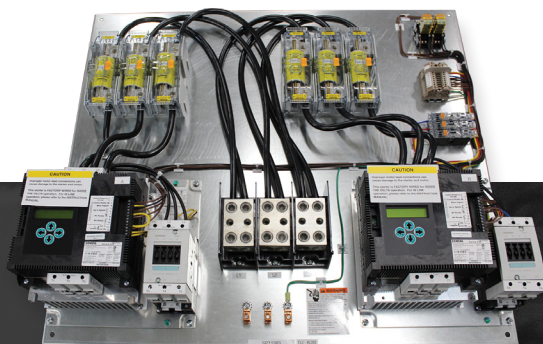
- Vertitron/Peelle **A**
- Vertitron/EMS **B**
- Integrated panel reduces field labor by 8-12 hours
- Single disconnect required - reduces building costs and increases safety

VHC-102

Hydraulic freight controller interfaces to the following freight doors.

- Peelle & Peelle Wireless
- EMS
- Courion

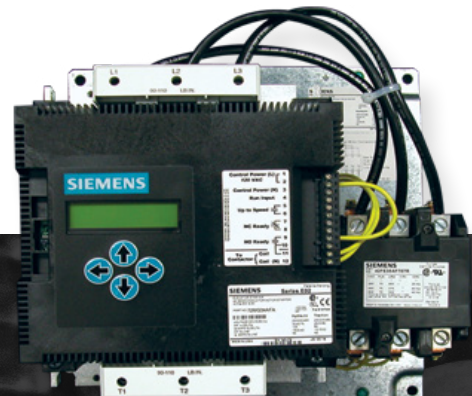
MULTI-MOTOR PANEL



SOLID STATE STARTERS

Single or Multi-Motor Starter Panels

- UL Label
- Branch Fusing on multi-motor units
- Fused for 120 Volt Supply
- NEMA 1 or 4 enclosure



STAND ALONE STARTERS

- Siemens Class 72
- Competitive Pricing
- Interface Drawing Included



MAKES SLOW ELEVATORS **FAST**



```

R.06 UP Acc1 Dn .05P
↓.09 UP Tran Dn .07P
↑ 6fpm U LV D 7fpm
172fpm U SP D 139fpm
  
```

Control Valve Adjust

Acceleration, transition and speed feedback saves adjusting time and ensures consistent performance.

The Reflex elevator leveling system significantly cuts floor to floor times. This improves the rider experience, saves energy and reduces wear and tear.

- Reduces rider wait times for convenience and productivity gains
- Less elevator run time means energy savings and reduced wear
- Interfaces with most control systems
- Easy to install
- Fast return on investment

ENERGY COST SAVINGS

Based on actual installation results

Time saved per trip	4 Seconds
Average up trips per day	325 trips
Motor HP	40
Motor Draw	29.8 kW
Annual kW saved	3928 kW
kWh Rate	\$0.1327

Annual Energy Savings **\$521**

The patented Reflex system monitors oil temperature, load and position and constantly adjusts slowdown distance based on current conditions. The stabilized leveling time is drastically reduced, resulting in a significantly faster floor to floor time, reduced energy usage and a cooler running power unit.

EMPLOYEE PRODUCTIVITY

Based on actual installation results - 1 employee per elevator trip.

Average hourly wage with benefits	\$52
Elevator annual running hours reduced	264
Employee productivity savings	\$13,650

*U.S. Bureau of Labor Statistics data March 2025

- Leveling times reduced to 1.5 seconds or less
- Oil temperatures reduced by an average of 15 degrees
- Reduced wear on pump and motor
- Provides absolute position
- Easy installation, saving significant labor



QUICKER

Decreases floor to floor time



COOLER

Decreases oil temperatures



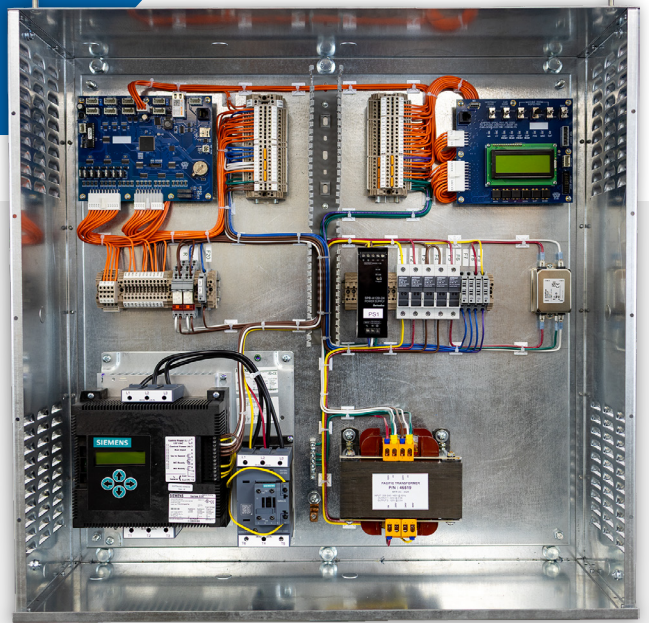
LOWER COSTS

Decreases energy and maintenance costs

MAVERICK CONTROLLER

SMART. FLEXIBLE. BUILT FOR PERFORMANCE.

The Maverick Controller delivers advanced technology in a compact, easy-to-install design. With reduced wiring, flexible configuration, and built-in diagnostics, it streamlines installation, simplifies troubleshooting, and adapts to a wide range of applications—from new construction to modernization.



PERFORMANCE & EFFICIENCY

COMPACT DESIGN
Fits tight spaces with ease

SIMPLIFIED WIRING
Full serial communication
reduces wires

SMOOTH RIDE
Precise landings in 1.5
seconds or less

QUICK SETUP
No jumpers needed for
temporary operation



DIAGNOSTICS & SAFETY

ADVANCED DIAGNOSTICS
Built-in trip, status & event
logging

SAFETY MONITORING
Hall lock monitoring at
each floor

PANEL DESIGN
Touch-safe layout



FLEXIBILITY & SCALABILITY

CUSTOMIZABLE SETUP
Inputs/outputs via software

**SAME HARDWARE, ANY
CONFIGURATION**
Scales without added
components

MULTI-MOTOR READY
Supports up to 4 motors

CAPACITY
Up to 25 floors with front &
rear landings

TECHNICAL SPECIFICATIONS

Communication: Full serial communication

Leveling: Absolute positioning system.

Safety Monitoring: Hall lock monitoring at each floor.

Capacity: Up to 25 floors, front and rear landings.

Operation at Launch: Passenger hydraulic simplex.

Panel Design: Touch-safe capable.

Board Capabilities:

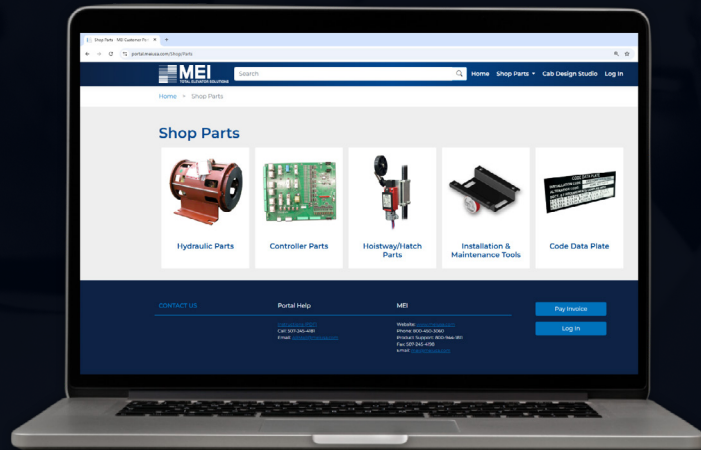
- Hall Board – 1 input, 4 bidirectional I/O
- Fire Lobby Board – 12 inputs, 4 outputs, 4 bidirectional I/O
- Car Operating Panel (COP) Board – 16 inputs, 16 outputs, 32 bidirectional I/O (expandable by +16)
- Up to 2 hall boards per landing
- Up to 8 COP boards per car



PARTS & TOOLS

MEI manufactures and stocks a comprehensive selection of elevator parts and tools to support efficient maintenance, repair, and installation. From field-proven components to job-specific tools, each item is selected for quality, compatibility, and reliability. With responsive service and fast delivery, MEI helps elevator professionals keep systems operating safely and effectively.

partsales@meiusa.com
507.245.4245



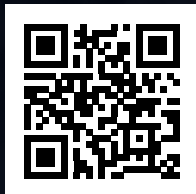
SHOP PARTS & TOOLS ONLINE

MEI's e-commerce platform makes ordering elevator parts and tools simple and efficient. Log in to:

- Shop our full selection of parts and tools
- Access product information, technical documents, & more
- Manage orders and pay invoices

portal.meiusa.com/Shop/Parts

Fast, convenient, and backed by MEI's expert service
THE BEST WAY TO GET PARTS, FAST.



AOC 2.0 OIL COOLER — AVOID UNEXPECTED SHUTDOWNS, LEVELING

DIRECT MOUNT



The AOC 2.0 Oil Cooler mounts directly to the power unit, venting exhaust heat back into the equipment room. It is designed for climate-controlled environments where stable room temperatures are maintained to support efficient cooling.

TECHNICAL DATA

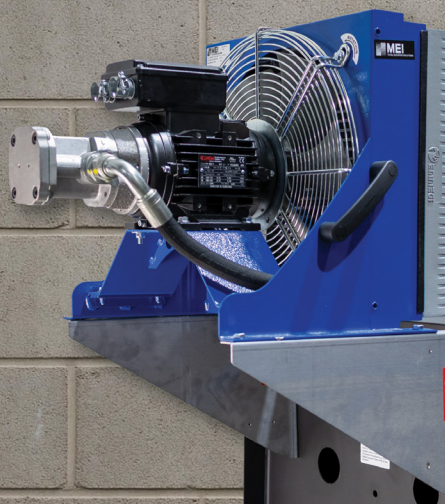
AOC 2.0 Oil Cooler:	Part #31567
Dimensions:	18" x 20" x 24"
Weight:	67 lbs
Heat removal:	21,300 BTU/hr
Circulation Rate:	12.7 GPM
Decibels:	69 db
Max Pressure:	87 PSI
Electrical:	115 or 208 VAC
Filter:	10 micron
External Airflow:	1266 CFM
Motor:	1 HP, 115 VAC, 1 phase, 9.61 Amp motor Or 1 HP, 208-220 VAC, 1 phase, 5.20 Amp motor

IMPROVEMENT OVER PREVIOUS MODEL

- Reduced size for easier installation
- 73 lbs. lighter lowers freight cost
- 3,800 greater BTU removal
- Increased circulation by 4.7 GPM
- Decreased decibel level by 11 db

FEATURES & BENEFITS

- ✓ Lowers oil temperature by up to 40°F
- ✓ Smoother stops & starts
- ✓ Integrated oil filter
- ✓ Extended component life
- ✓ Designed to be mounted on the power unit for easy installation



PROBLEMS, AND OIL ODOR WITH AN MEI OIL COOLER — **BOL OIL COOLER**



REMOTE MOUNT



The **BOL Oil Cooler's** heat exchanger mounts **remotely from the power unit** and vents air outside the equipment room, with an option to connect to the building's ventilation system. It's ideal for applications needing maximum cooling or where it's critical to keep heat from re-entering the building.

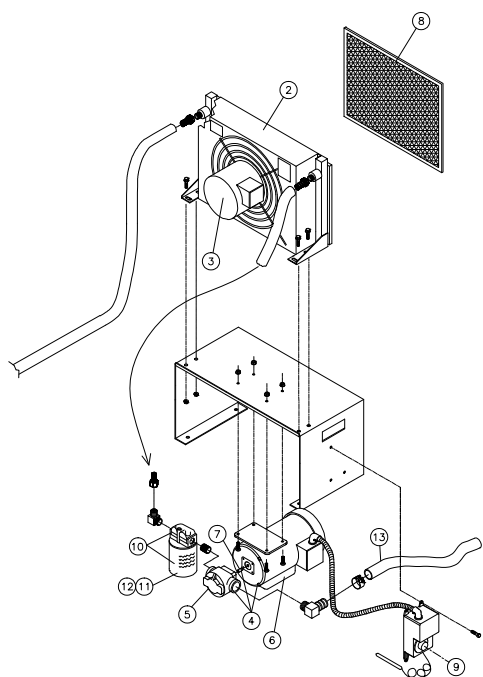
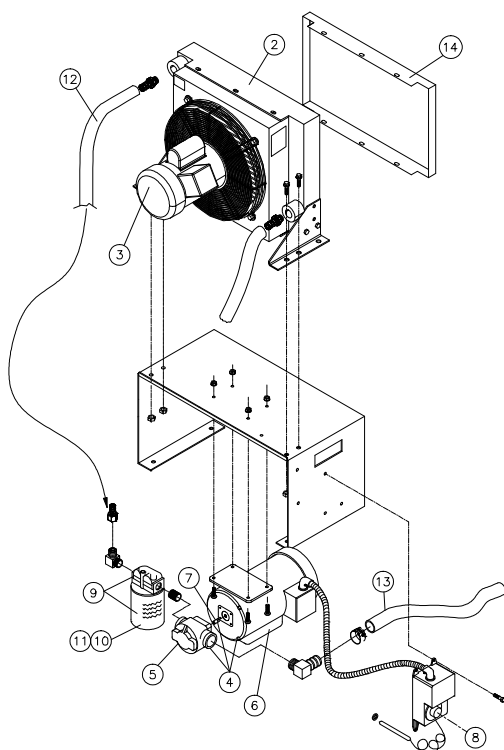
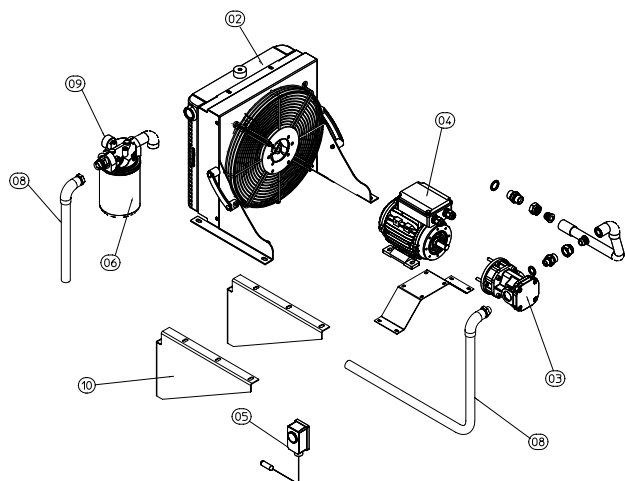
TECHNICAL DATA

BOL Oil Cooler:	Part #20856
Dimensions:	24" x 28" x 29"
Weight:	145 lbs
Heat removal:	21,600 BTU/hr
Circulation Rate:	8 GPM
Decibels:	80 db
Max Pressure:	75 PSI
Electrical:	115 or 208 VAC
Filter:	10 micron
External Airflow:	1425 CFM
Motor:	3/4 HP, 115 VAC, 1 phase, 7.2 FLA Pump Motor Or 208-230 VAC, 1 phase, 3.6 FLA pump motor 1/2 HP, 115 VAC, 1 phase, 3.7 FLA fan motor Or 208-230 VAC, 1 phase, 2.2 FLA fan motor



FEATURES & BENEFITS

- ✓ Smoother stops & starts
- ✓ Extended component life
- ✓ Fewer shutdowns
- ✓ Overall performance improvement
- ✓ Integrated oil filter



AOC 2.0 - Oil Cooler Parts

Item	Part No.	Description
	31567	Complete Oil Cooler - AOC 2.0
2	31583	Heat exchanger, w/ element, housing, fan guard & blade
3	31580	Pump, screw
4	31577	Motor, 115-208/239V 60HZ
5	890-6929-001	Thermostat for Oil Cooler
6	31579	Filter head assembly
7	1953	Filter 10 Micron (sold in packs of 6)
8	31578	Hose assembly
9	31582	Gauge, pressure, 0-100 PSI, 1/8" NPT
10	31568	Base oil cooler (2pk)

BOL - Oil Cooler Parts

Item	Part No.	Description
	20856	Complete Oil Cooler Assembly - BOL
2	20916	Heat Exchanger and Motor Assembly
3	20917	Motor for Heat Exchanger (Motor Only)
4	1890	Motor & Pump Combination with Coupling
5	13412	Oil Pump (Pump Only)
6	13411	Oil Pump Motor (Motor Only)
7	15527	Oil Pump & Motor Coupling (Between Motor & Pump)
8	890-6929-001	Thermostat for Oil Cooler
9	19119	Filter Head with Sight Gauge
10	1953	Oil Filter Replacement (10 Micron Filter - Standard)
11	17465	Oil Filter Replacement (3 Micron Filter - Optional)
12	12793	Hose 3/4" I.D. x 50' Long Hydraulic Low Pressure
13	19340	Suction Hose 1" I.D. x 8'-0" Long (U416 1" ID SEA 100R4)
14	20982	Duct Screwing Flange

Item Part No. Description - Options

	21755	Remote Weather Protection Housing
	19919	Cold Weather Kit

10248 Replacement Parts

Item	Part No.	Description
2	1916	Heat Exchanger and Motor Assembly
3	1463	Motor for Heat Exchanger (Motor Only)
4	1890	Motor & Pump Combination with Coupling
5	13412	Oil Pump (Pump Only)
6	13411	Oil Pump Motor (Motor Only)
7	15527	Oil Pump & Motor Coupling (Between Motor & Pump)
8	13410	Air Filter for Front of Heat Exchanger
9	890-6929-001	Thermostat for Oil Cooler
10	19119	Filter Head with Sight Gauge
11	1953	Oil Filter Replacement (10 Micron Filter - Standard)
12	17465	Oil Filter Replacement (3 Micron Filter - Optional)
13	19340	Suction Hose 1" x 8'-0" Long (U416 1" I.D. SEA 100R4)

Item Part No. Description - Options

	21755	Remote Weather Protection Housing
	19919	Cold Weather Kit

SILENCER PRO



✓ EASY INSTALLATION

✓ 40-60% REDUCTION IN SYSTEM NOISE & VIBRATION

✓ LOWER SYSTEM MAINTENANCE COST

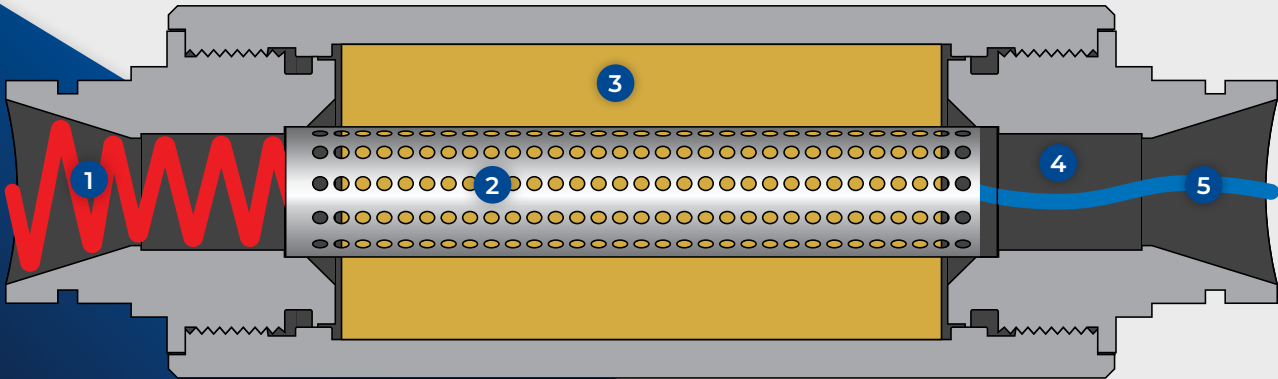
✓ DROP-IN REPLACEMENT FOR AIR BLADDER SILENCER

Maintenance Free

The Silencer Pro reduces power unit noise using a proprietary, hydraulically stable urethane foam. Designed as a maintenance-free, drop-in replacement for MEI's air bladder-style silencers, the Silencer Pro reduces effective stiffness in the hydraulic system, ensuring reliable noise reduction without requiring regular maintenance.

Part #	Description	Length	Ends	Width
30987	2" GRV × 2" GRV (220 max. GPM)	13 ¼"	1 ¼"	4 ⅝"
30988	2 ½" GRV × 2 ½" GRV (325 max. GPM)	13 ¼"	1 ¼"	4 ⅝"
30989	3" GRV × 2 ½" GRV (350 max. GPM)	13 ¼"	1 ¼"	4 ⅝"
30990	3" GRV × 3" GRV (350 max. GPM)	13 ¼"	1 ¼"	4 ⅝"
30991	2 ½" THD × 2 ½" THD (300 max. GPM)	10 ½"	NA	4 ⅝"
30992	2" THD × 2" THD (220 max. GPM)	10 ½"	NA	4 ⅝"

CROSS SECTIONAL VIEW



1. UNTREATED NOISE

2. DIFFUSER

3. SOLID LINER
4. HYDRAULIC OIL

5. ATTENUATED NOISE



MEI OFFERS MOTORS, VALVES, AND PUMPS BY KNOWN AND TRUSTED ELEVATOR SUPPLIERS

COMMON MODELS:

MOTORS

 **Imperial Electric®**



 Lift Motor



Imperial Dry Motor



Submersible Motor

VALVES





Maxton Valve

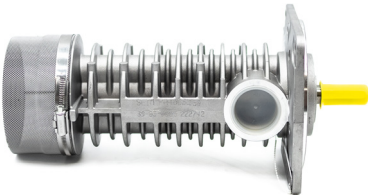
PUMPS



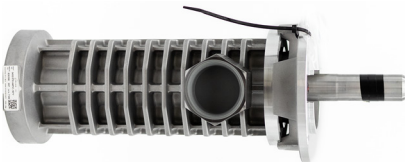








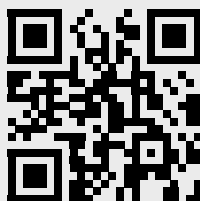
Submersible Pump (SEIM)



Submersible Pump (IMO)



Dry Pump (IMO)



A



B



C



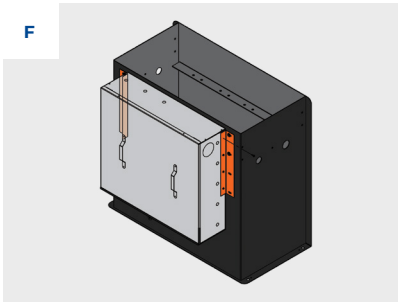
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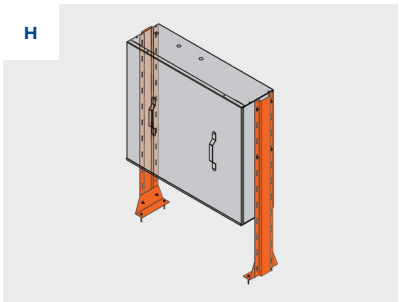
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I



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M



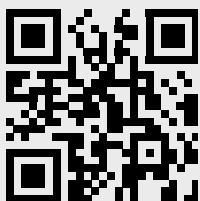
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O



Item	Description
A	MEI-Wagner Oil Return Pump with Flood Control - 100' Lift - Plastic Tube Check Valve
B	Copper Tubing Kit for Oil Return Pump (50' Tubing with Fittings)
C	Low Pressure Switch (Required if jack head is above power unit)
D	Frame to Floor Isolation Pads
E	Power Unit Installation Kit
F	Controller Field Mounting Kit (Tank)
G	Vent/Fill Strainer
H	Controller Field Mounting Kit (Floor)
I	Low Oil Level Switch (in tank)
J	Tank Heater
K	Pressure Gauge - 600 PSI
L	Oil Level Sight Gauge with Thermostat (on tank)
M	Hot Oil Sensor
N	Thermostat
O	Loadweigh Switch PS75 (150-650) PSI



A



Standard Flexible



Zero Flex Rigid

B



C



D



E



F



G



Item	Description
A	Couplings - Grooved
B	Couplings - Threaded
C	Isolation Couplings
D	Pipe Stands & Clamps
E	Elbows
F	Tee Fittings
G	Unions
H	"Y" Strainers
I	Rupture Valves
J	Reducers
K	Pipe (10'-6" Sections Grooved on Both Ends)
L	Shut-Off Valve

H



I



J

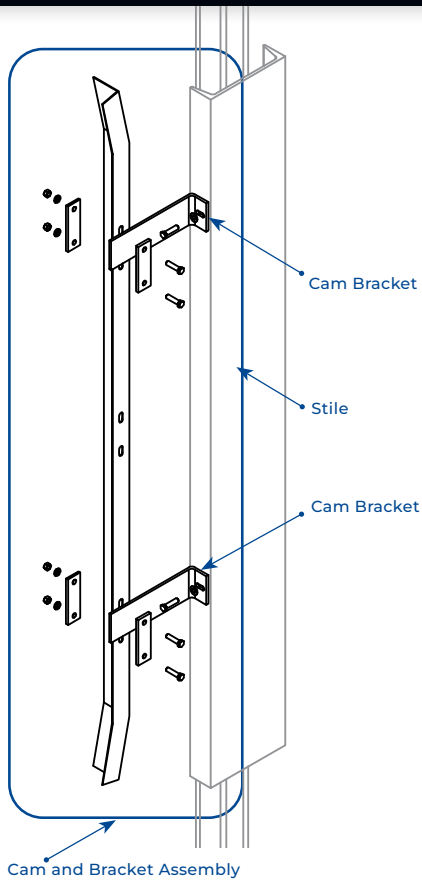


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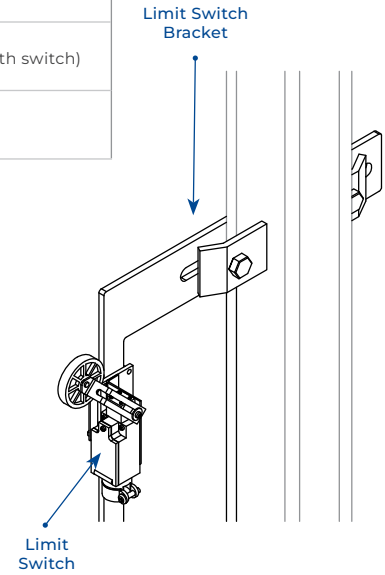
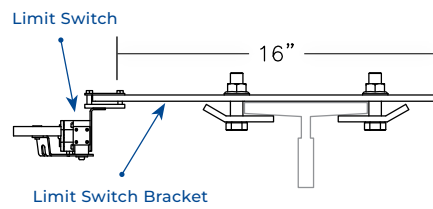
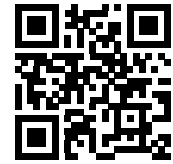


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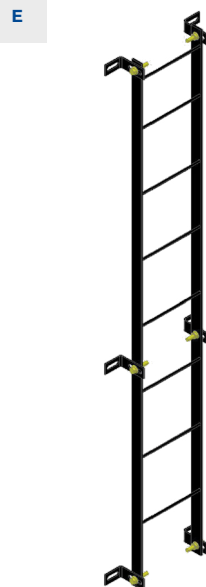




Part No.	Description
25072-001	Cam Assembly 72 1/4" w/Bracket Cam (Auxiliary)
25072-002	Cam Assembly 119 1/2" w/Bracket Cam (Auxiliary)
14354	Limit Switch Bracket Assembly Single 16" (with switch)
3088	Limit Switch



A	Car Top Station
B	Signal Device
C	Under Car Light
D	Pit Switch
E	Pit Ladder
F	Spring Buffer Stands
G	Oil Buffer Stands
H	Limit Switch



Oil Buffer Not Included



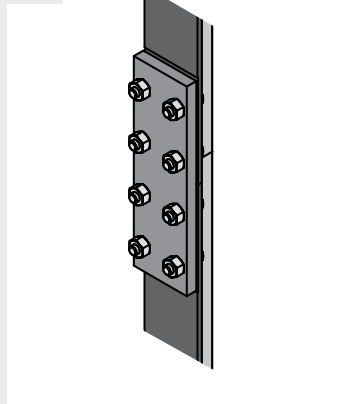
A	Rails
B	Rail Splice Plate with Hardware
C	Rail Clips
D	Rail Lubricators

E	Toe Guards
F	Sill Support Angles
G	Strike Plates
H	Platen Plates
I	Wall Inserts

A



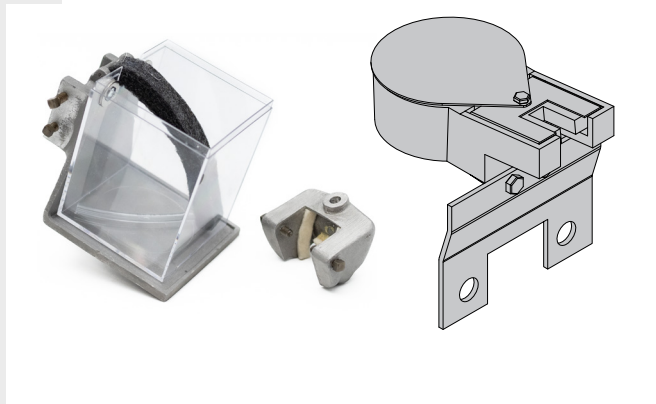
B



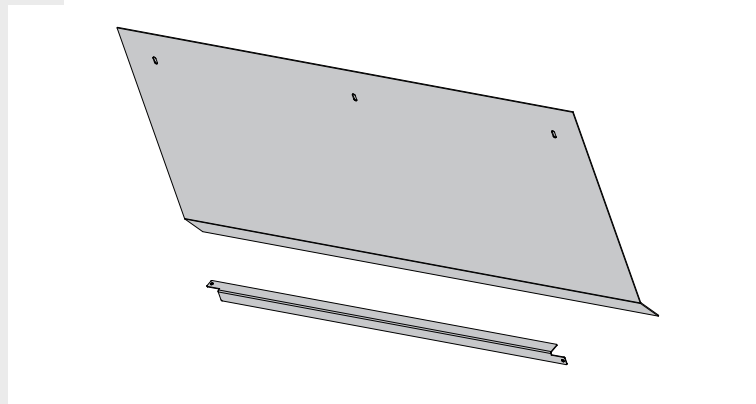
C



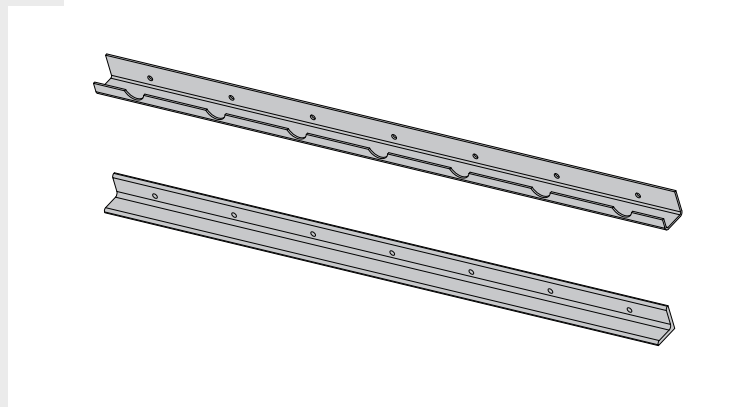
D



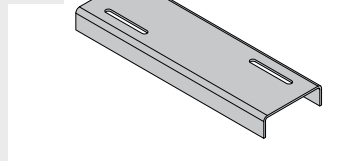
E



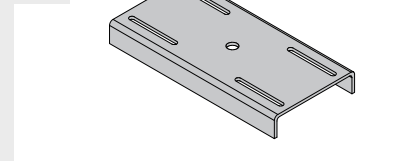
F



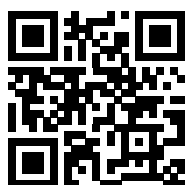
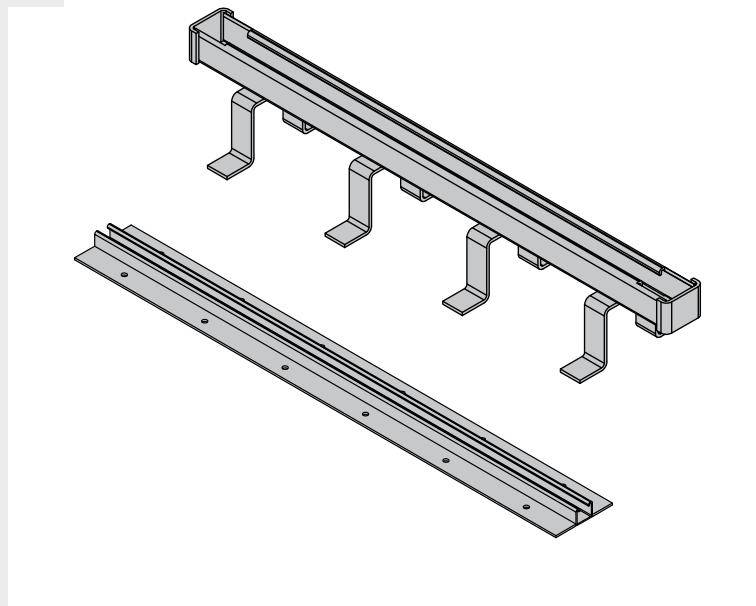
G



H

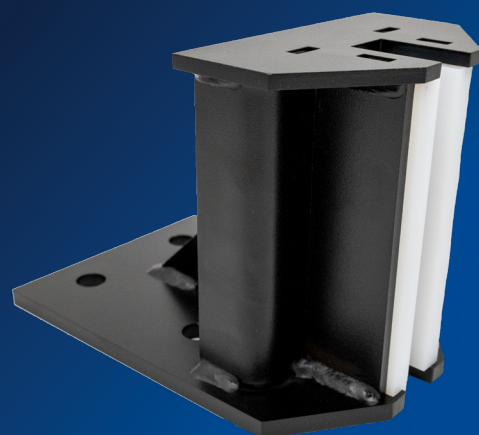


I





MEI'S NEW LINE OF IN-HOUSE GUIDE SHOES



NOW OFFERING BOTH MEI-MANUFACTURED OPTIONS AND A FULL RANGE OF TRUSTED ROLLER AND SLIDE GUIDE SHOES FROM LEADING ELEVATOR SUPPLIERS.

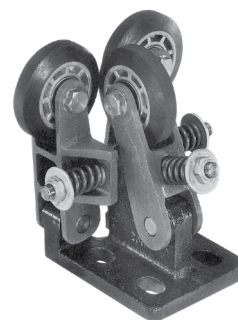
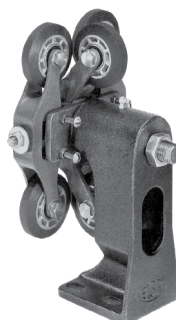
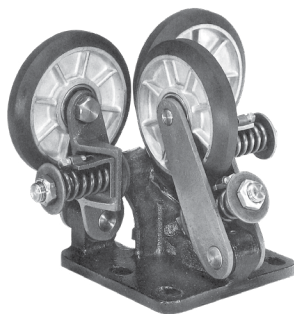
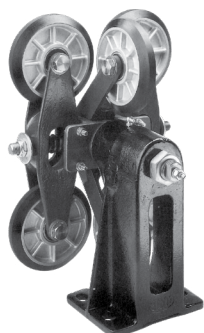


COMMON MODELS:

ELPRO



ELSCO



ACLA



MEI's Submersible Pully Bully simplifies submersible pump or motor replacements. This safe, cost-effective tool reduces time and effort on every service call.

SUBMERSIBLE PULLY BULLY

Benefits

- Safe Operation
- Reduced Labor Hours
- Lightweight Design
- Fast Setup
- Simple Cleanup
- Portable Cart

Specifications

- Lifting Capacity: 500 lbs.
- Meets ASME B30.17-1998
- Unit Weight: 185 lbs.
- Includes Detailed Instructions

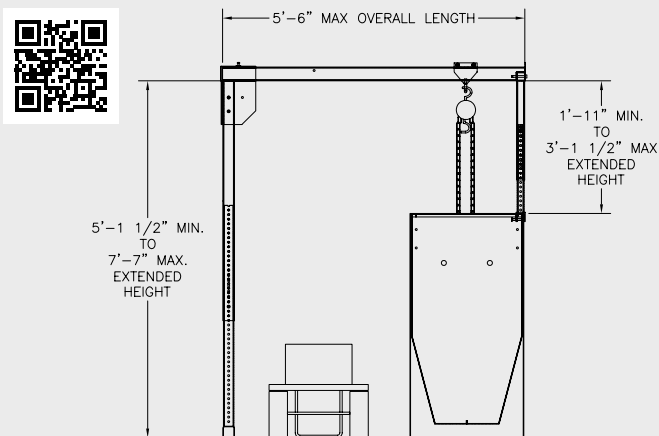
Operation

1. Roll the Pully Bully into the machine room.
2. Detach the hoisting frame from its cart (the cart then serves as a drip pan and workbench).
3. Assemble the hoisting frame in place.
4. Use the chain hoist to lift the pump/motor assembly from the power unit.
5. Position the assembly on the cart/drip pan to perform required service.

This clear, direct process ensures fast, safe removal and reinstallation with minimal downtime.

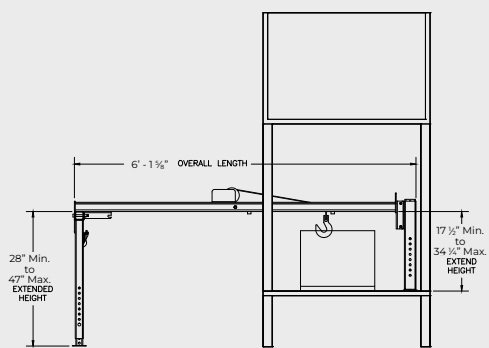
Easy Cleanup

Excess oil is captured in a removable receptacle beneath the drip pan. Simply slide out the receptacle and pour the oil back into the tank.



MEI's Dry Pully Bully simplifies dry-motor replacements with a safe, efficient design that cuts service time and effort.

DRY PULLY BULLY



Benefits

- Safe Operation
- Reduced Labor Hours
- Lightweight Design
- Fast Setup

Specifications

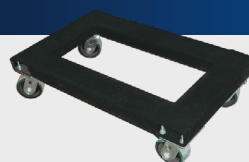
- Lifting Capacity: 750 lbs.

Operation

1. Roll the Dry Pully Bully into the machine room.
2. Secure the winch hook to the tank wall's top edge and align the frame.
3. Adjust the hoisting-frame legs for optimal lifting position.
4. Winch the motor and trolley onto the machine-room floor for service.



FOUR WHEELED CART



Great for every job site! Certified for capacity of up to 2,500 lbs.

Part No. 22505

CODE DATA PLATE

CUSTOM, ONLINE ELEVATOR CODE DATA PLATES, TAGS, AND SIGNS FOR COMPLIANCE AND SAFETY.

YOUR JURISDICTION IS OUR BUSINESS

With a user-friendly website and customizable options, Code Data Plate makes the process easy to ensure your customer's elevator meets data tag regulatory requirements without the need to open a code book.

✓ SINGLE-YEAR ALTERATION PLATES

✓ PERIODIC TAGS

✓ ACCEPTANCE TAGS



Easy ordering

Codes and code years auto-populate online based on your jurisdiction and alteration type.



Custom Options

From door lock monitoring and runby plates, to custom, UV-printed or etched signs, we have what you need, fast.



Code Compliant

Data tags and plates meet code requirements for a permanent plate to display alterations & inspections.



Fast lead times

Same day shipping is available, with standard lead times of one to three business days.



ELECTRIC ELEVATOR - PERIODIC TEST REQUIREMENTS TAG					
PERSON OR FIRM PERFORMING TEST:		MEI Total Elevator Solutions			
		TEST CATEGORY: 5		A=ALT. TESTING	
REQ.#<2007	a-2008>T	EST ITEM.	AT	ESTD DATES	
8.11.2.3.1	8.6.4.20.1	CAR SAFETY			
8.11.2.3.1	8.6.4.20.1	COUNTERWEIGHT SAFETY			
8.11.2.3.2	8.6.4.20.2	CAR GOVERNOR			
8.11.2.3.2	8.6.4.20.2	COUNTERWEIGHT GOVERNOR			
8.11.2.3.3	8.6.4.20.3	CAR OILB UFFER			
8.11.2.3.3	8.6.4.20.3	COUNTERWEIGHT OILB UFFER			
8.11.2.3.4	8.6.4.20.4	BRAKING SYSTEM(LOAD)			
8.11.2.3.5	8.6.4.20.5	STANDBY POWER OPER <2010			
8.11.2.3.6	8.6.4.20.6	EMERG. & TERM. SPD. LIM.			
8.11.2.3.7	8.6.4.20.7	POWER OPENING OF DOORS			
8.11.2.3.8	8.6.4.20.8	LEVELING ZONE AND SPEED			
8.11.2.3.9	8.6.4.20.9	INNERLANDING ZONE			
8.11.2.3.10(a)	8.6.4.20.10(a)	EMERGENCY STOPPING DISTANCE			
8.11.2.3.10(b)	8.6.4.20.10(b)	TRACTION TEST			
(2016> 18	8.6.4.20.11(a)E	B RAKE -A COSP TEST			
(2016> 18	8.6.4.20.11(b)E	B RAKE -U IMP TEST			
(2022 >)	8.6.4.20.11(c)E	B RAKE -A LTERNATIVE TEST			



**MEI MANKATO, MN
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