



MEI

TOTAL ELEVATOR SOLUTIONS

Working Together to be the Best

MANUFACTURING | ELEVATOR PACKAGES | PARTS | NEW CONSTRUCTION | MODERNIZATION | SERVICE | REPAIR

CUSTOM ELEVATORS ENGINEERED TO ORDER



PACKAGE & PARTS CATALOG

About MEI

Since 1971, MEI has specialized in the manufacturing, installation, modernization, and servicing of various types of elevators. Our manufactured equipment is found in every US state as well as several foreign countries. In addition, we install, modernize, and service equipment within the Midwest. MEI is a licensed, insured, and bonded elevator contractor and a member of the National Association of Elevator Contractors. Our equipment meets the requirements of the ASME A17.1 code / CSA B44.

Customer Focus

We provide several packages for standard applications, however, we specialize in adapting our product to customer requirements. Each elevator produced by MEI is individually engineered. This process allows us to customize each application without costly fees or extensive lead times. Examples of our work include passenger cars with front and side openings, elevators with unusual platform shapes, automobile lifts, 40,000# capacity freight cars, and 80,000# capacity semi truck lifts.

Currently, MEI manufactures about 500 elevators annually at their Mankato, MN headquarters location. A variety of passenger, freight, and service applications are built and shipped to locations in both the public and private sectors. Job sites include churches, schools, convention centers, hotel complexes, airport expansions, transit stations, stadiums, hospitals, industrial plants, and shopping centers. Many of our customers are independent contractors, but we also provide equipment to major elevator companies.

Installation Experience

Since we receive direct feedback from the mechanics working with our equipment, we are able to continually fine-tune our designs for easier installation. MEI engineers also visit various jobsites for valuable hands-on experience. Our expertise in this area results in dependable, practical equipment and smooth installation.

At MEI, we pride ourselves on delivering expert engineering, quality equipment, and excellent customer service.

We look forward to hearing from you.

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

 Field Operations  Manufacturing, Engineering, and Field Operations

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Founded in 1971, MEI was born of the dreams and aspirations of John Romnes. What started as a one-man operation in a rented farmhouse has now grown to a multi-million dollar company with more than 300 employees.

Before starting MEI, John had nine-and-a-half years of industry experience. He was the only full-time employee of MEI for the first seven months. In the early '70s, with two full-time employees, including John and a part-time employee, he began to expand his business splitting MEI time between service, repair, modernizing and installing elevators. MEI built and installed its first freight elevator in 1973 and its first passenger elevator in 1975 in Mankato; both were new elevators, built from scratch.

From 1971 - 1981, MEI's service base grew to 110 service contracts, consisting of approximately 330 elevators serviced by two technicians. "During the first decade of MEI, I feel we were blessed in many ways and experienced God's favor, which helped lay the groundwork for our future success," John said.

MEI experienced rapid growth in the '80s, adding more employees, building more elevators, acquiring more service contracts and constructing its first factory building. From 10 employees in 1981 the company grew to employing 59 workers by 1990.

In 1989, as a result of the company's growth, John purchased Vertitron and renamed it to Vertitron Midwest.

From 1982 - 1991, MEI's service base continued to grow to 409 contracts, more than 1,200 elevators and 8 service technicians. In the '90s, MEI's service department sold nearly 500 new service contracts.

A major effort was made to start diversifying the company's customer base for National Sales and carve out MEI's niche for custom work.

MEI grew from 59 employees in the early '90s to 178 in 2001. In 2001, MEI's service base had grown to 765 contracts, 2,300 elevators and approximately 14 service technicians. After experiencing hard times from 2004 - 2006, John turned to Rick Lowenberg, a lead turnaround consultant. MEI was armed with a new business plan and in 2007; MEI won the Turnaround of the Year Award from the Upper Midwest chapter of the Turnaround Management Association and Rick was named President of MEI. In February 2008, Twin Cities Business magazine featured MEI in an article "Going Back Up," which underscored that MEI did all the right things to achieve a turnaround. Even in a down economy, MEI's prospects were still rising thanks to the dedication of the ownership, leadership and employees toward continuous improvement. MEI headquarters in Mankato, MN added 20,000 sq ft to their manufacturing facility in 2015 and another 11,000 sq ft in 2018. In 2017, MEI opened up an office in St Louis, MO to provide elevator maintenance, repair and modernization services. MEI is focused on continuous improvement to provide a great customer experience and is looking forward to the future.

Acquisitions 2008-2018

- | | |
|---|--|
| 2008 - Highland Electric
St Paul, MN | 2016 - Michigan Elevator
Detroit, MI |
| 2009 - Badger Elevator
Milwaukee, WI | 2016 - Wagner Scavenger Pump
Mount Vernon, IA |
| 2010 - Dynatron Elevator
Kansas City, KS | 2017 - Express Elevator Co
St Joseph, MO |
| 2011 - Lagerquist Elevator
Duluth, MN | 2018 - Eagle Elevator Corp
Kansas City, MO |
| 2012 - CemcoLIFT
Hatfield, PA (backlog) | 2018 - B&D Elevator Services
Lansing, MI |
| 2015 - Precision Elevator Service
Denver, CO | |



Don Jacobson painting a power unit drive assembly, before MEI had a shop building.

Don Jacobson winning a "used power unit" out of the pickup box in 1972



In 1974, MEI built its first building - a 32ft. x 54 ft. structure that served as a shop and warehouse and was heated with a wood stove. The office and bathroom were still in the family home.



MEI gets rolling. The red truck bears MEI's first logo.



This structure is currently part of the main entry, front office.



Second addition of shop/warehouse space in 1986.



1995 shop expansion



2020 shop view





John Romnes- MEI Founder and CEO
(younger years)



John Romnes- MEI Founder and CEO
(current)



Original Farm Site



1979



1990



1998



2002



2011



2015



2018

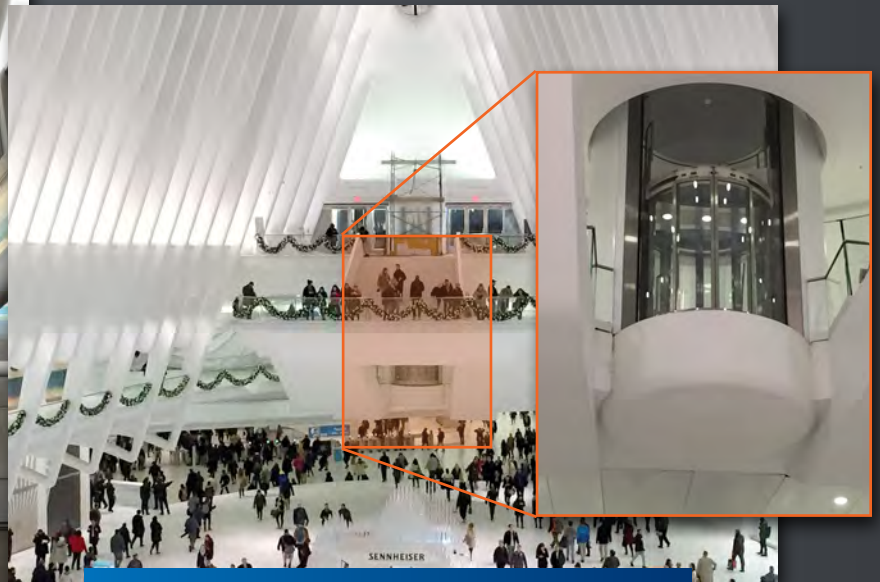
◇ AIRPORTS ◇



AIRPORT ELEVATORS

MEI has provided custom elevators to many major airports, including large projects with dozens of cars.

◇ PUBLIC TRANSIT ◇

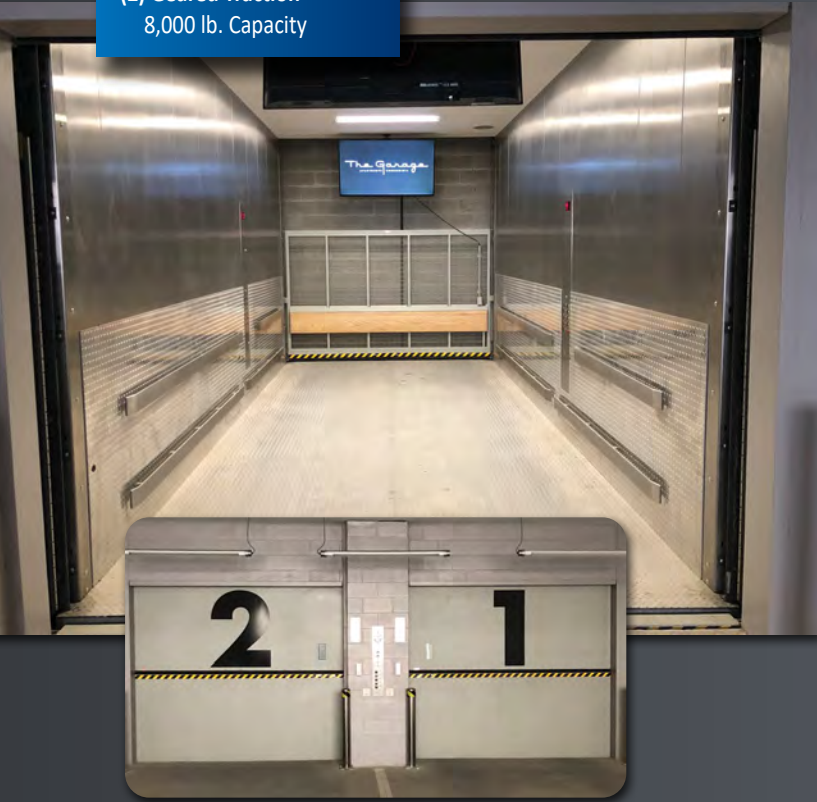


PUBLIC TRANSIT SYSTEMS

MEI manufactures equipment for public transportation systems throughout the United States and Canada. We promote transit through membership in the American Public Transportation Association (APTA). We actively participate in creation of APTA elevator design guidelines.

◇ FREIGHT ◇

STEPHENS GARAGE
New Orleans, LA
(2) Geared Traction
8,000 lb. Capacity



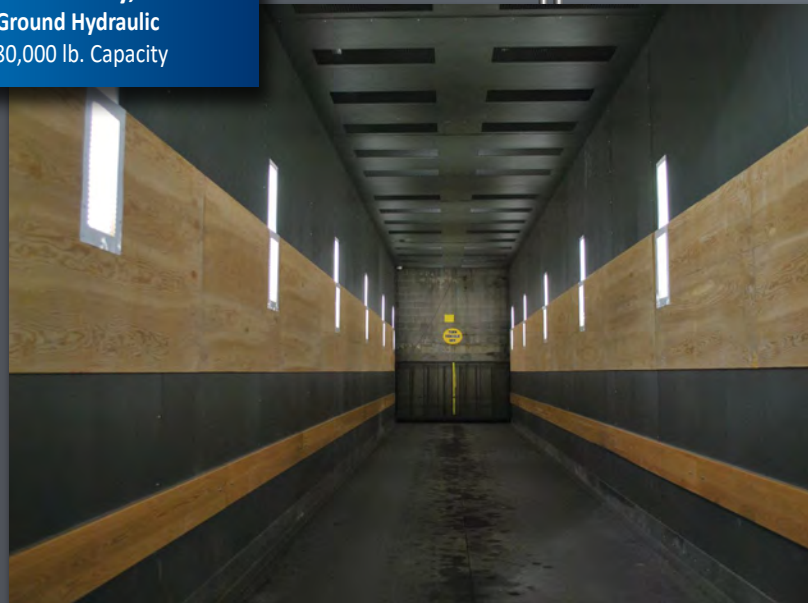
SEMINOLE HARD ROCK CASINO
Ft. Lauderdale, FL
Twin Jack Holeless
10,000 lb. Capacity

◇ SEMI LIFTS ◇

BARCLAYS CENTER
Brooklyn, NY
In-Ground Hydraulic
80,000 lb. Capacity



CITY CREEK CENTER
Salt Lake City, UT
In-Ground Hydraulic
80,000 lb. Capacity



◇ OFFICE ◇

ONE WORLD TRADE CENTER

(1) Roped Hydraulic Elevator

5,000 lb. Capacity

3 WORLD TRADE CENTER

(6) Geared Traction Elevators

(2) 3,500 lb. Capacity

(2) 4,500 lb. Capacity (Full Glass Cab, Glass Flooring)

(2) 10,000 lb. Capacity

(1) Roped Hydraulic Elevator

2,500 lb. Capacity



2 WORLD TRADE CENTER

(2) Geared Traction Elevators

10,000 lb. Capacity

4 WORLD TRADE CENTER

(2) Geared Traction Elevators

10,000 lb. Capacity

(1) In-Ground Elevator

3,500 lb. Capacity, 70 ft. Travel, Full Glass on Back Half of Cab. Under-Car Door Operator

◇ STADIUMS / TOURIST VENUES ◇



WHITEFACE MOUNTAIN
Wilmington, NY
Geared Traction Passenger
2,000 lb. Capacity



US BANK STADIUM
Minneapolis, MN
(3) Geared Traction Freight
10,000 lb. & 12,000 lb. Capacity

TARGET FIELD
Minneapolis, MN
Twin Jack Holeless
3,500 lb. Capacity



BC PLACE - OLYMPIC VENUES
Vancouver, British Columbia, Canada
Twin Jack Holeless 2-Stage
3,500 lb. & 17,000 lb. Capacity



◇ **MALLS & RETAIL** ◇



APPLE STORE
Michigan Avenue, Chicago, IL
In-Ground Hydraulic Passenger
4,000 lb. Capacity



WORLD TRADE CENTER
New York City, NY
Geared Traction Passenger
4,500 lb. Capacity



RETAIL
Miami, FL
Twin Jack Roped
4,500 lb. Capacity



LIBERTY CENTER
Liberty Township, OH
Twin Jack Holeless 2-Stage
6,000 lb. Capacity, Reflex Landing System

MALL OF AMERICA
Bloomington, MN
In-Ground Rear Slung
10,000 lb. Capacity, 175 FPM
Reflex Landing System



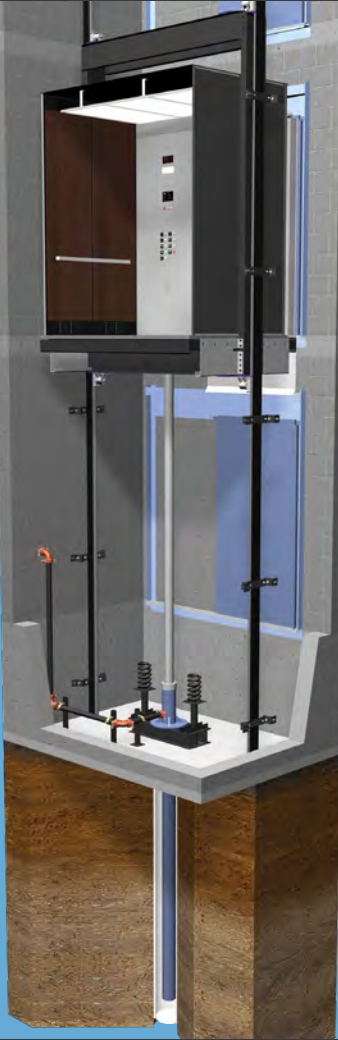
◇ MUSEUMS ◇



SMITHSONIAN
National Museum African American History and Culture
Washington D.C.
In-Ground, 4 Corner Rails Allowing Full View of Glass on All Sides
21,500 lb. Capacity



BARBER RACECAR MUSEUM
Birmingham, AL
In-Ground Hydraulic
25,000 lb. Capacity



In-Ground

This is the traditional design used for decades. It utilizes a single-stage hydraulic jack installed in the ground. The jack is located directly under the car, near the center of the platform.

Advantages

- Usually the lowest material cost application.
- Accommodates front and rear openings in any configuration.
- No extensive pit or overhead is required.
- Available for both low and high capacity cars.
- Of all the application types, this equipment package is the easiest to install.

Twin Jack Holeless (1, 2, or 3 Stage)

This design utilizes two hydraulic jacks and provides maximum structural stability. The jacks, located on each side of the car, are either single-stage or telescopic. The appropriate jack type is determined by the amount of travel and the project conditions. The single-stage jacks are popular for two-stop arrangements, while telescopic jacks are generally used for three- and four-stop projects.

Advantages

- No jack hole is required. This eliminates the cost of drilling and the risk of oil contamination.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.
- Less overhead required than 2 stage holeless. (3 stage)

Roped Hydraulic

This design utilizes wire ropes in conjunction with two hydraulic jacks to lift the car at a 1:2 ratio. For every foot that the jacks rise, the car rises two feet. The use of two jacks, one on each side of the car, provides maximum structural stability.

Advantages

- No jack hole is required and with that there is no risk of oil contamination in the ground.
- Accommodates front and rear openings in any configuration.
- No extensive pit or overhead is required.
- Large platform designs and high capacity projects can be accommodated.



Traction

This design utilizes a geared machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side or at the rear. The geared machine, along with the related drive equipment, is generally located above the hoistway in a penthouse machine room. In some limited situations, it can be located next to the hoistway at a lower landing. This latter arrangement is referred to as a basement traction.

Advantages

- No risk of oil contamination to the ground.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.
- Nearly unlimited floor travel is possible.
- Has greater power efficiency than hydraulic applications.
- Allows significantly higher car speeds than hydraulic designs.

MRL - Rail Mounted

This design utilizes a gearless machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side. The gearless machine, along with the related drive equipment is all installed inside the hoistway eliminating the need for a machine room saving you valuable floor space.

Advantages

- Requires a smaller control room rather than a full size machine room
- Reduces height of rooftop projection versus Traction applications
- Building structure not required to support the weight of the elevator
- Advantages over hydraulic applications:
 - Lower power requirements
 - Greater energy efficiency
 - Allows significantly higher car speeds

MRL - Pocket Mounted

This design utilizes a gearless machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side. The gearless machine, along with the related drive equipment is all installed inside the hoistway eliminating the need for a machine room saving you valuable floor space.

Advantages

- Requires a smaller control room rather than a full size machine room
- Reduces height of rooftop projection versus Traction applications
- Shorter minimum overhead than Rail Mounted MRL application
- Advantages over hydraulic applications:
 - Lower power requirements
 - Greater energy efficiency
 - Allows significantly higher car speeds



Retail
 Michigan Avenue, Chicago, IL



What Customers Say:

"We all left [our training] with a high level of comfort and a real value to "you get what you pay for". Included in this comfort is the level of knowledge, customer support, and high quality response MEI provides Eagle.

We know we are not your only customer, yet we thank you for making us feel like number one!"

- Project Manager | Eagle Elevator -



MADE IN THE USA
 AMERICAN OWNED AND OPERATED

WHO WE ARE

- ▶ Founded in 1971 in Mankato, MN
- ▶ Family owned and operated
- ▶ Custom manufacturer for full and partial elevator packages, cabs and entrances, power units, replacement doors, oil coolers and more
- ▶ Committed to giving back to the community
- ▶ Employee culture of continuous improvement paves the way for innovation and ongoing process efficiencies

VALUE & SERVICE

- ▶ Outstanding customer service & communication
- ▶ Clear and detailed quoting per specification
- ▶ In-house training (as available) for mechanics, superintendents and sales personnel
- ▶ Product Support is readily available for any technical jobsite assistance

EQUIPMENT & MANUFACTURING

- ▶ Made in the USA
- ▶ Robust designs and packaging are built from field mechanic perspective
- ▶ Non-proprietary equipment
- ▶ All jobs are reviewed by a licensed Professional Engineer

Mission

Working Together to be the Best!



Values

Trust

Build relationships on mutual trust

Listening

Listen first

Talent Selection

Hire smart, hungry and humble employees

Improvement

Continuous pursuit to improve



Vision

Community Outreach

learn. give. do.

Generosity

We believe in being generous

Compassion

We care about the suffering of others



MEI's vision of building compassion and generosity into the core of our business starts with us having INSIGHT – an accurate and deep understanding of the needs of our communities. To help develop this foundational step, we launched our INSIGHT TEAMS to give MEI employees the opportunity to learn about and fully experience the impact MEI's support is having with our partner organizations by volunteering.

INSIGHTTEAM

learn. give. do.





HYDRAULIC HOLELESS FREIGHT
50,000 lb. Capacity

We Love Mechanics! *Installation Training for your Mechanics*

- Save time on your installation
- Review of the installation manual with the Engineering team and MEI Installation Mechanic
- Controller training by vendors
- Freight Door training by vendors as applicable
- MEI shop tour and mockup viewing
- Contact your Project Manager to schedule training. Training is offered based on availability.

MEI is invested in your project being a success!

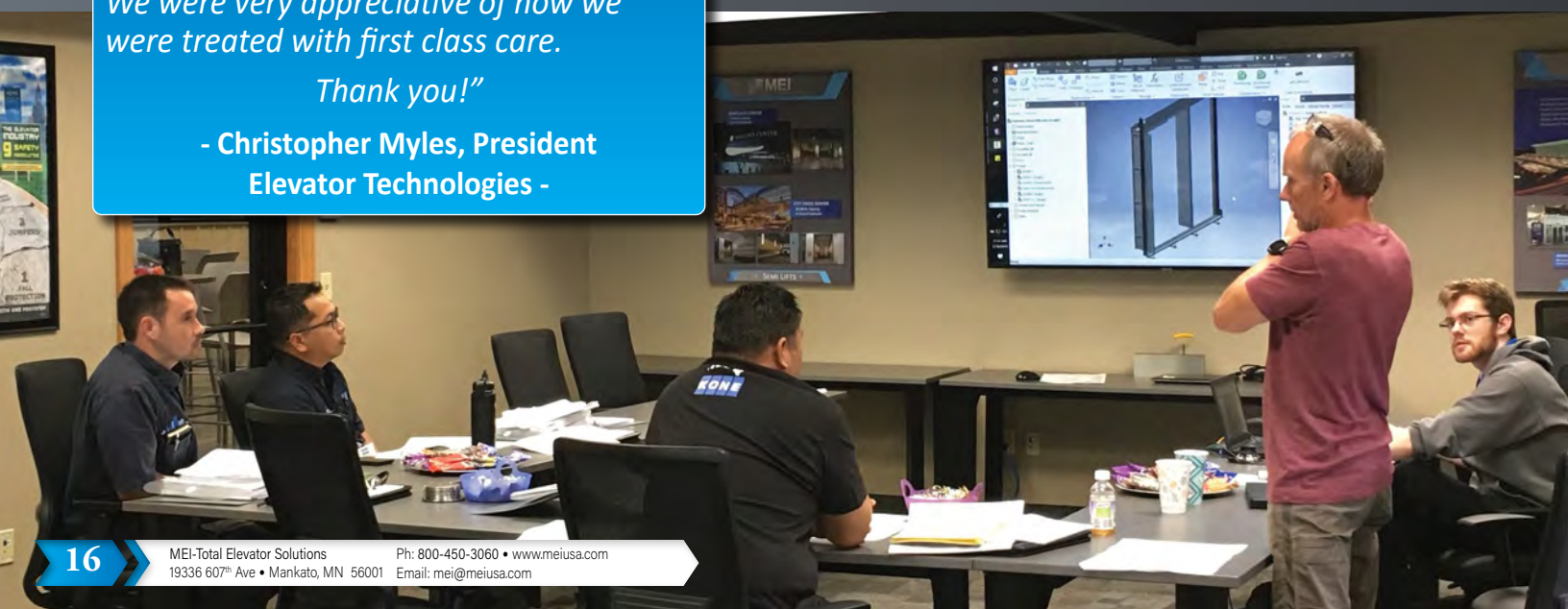


What our customers are saying...

“Every base was covered and then some. We were very appreciative of how we were treated with first class care.

Thank you!”

**- Christopher Myles, President
Elevator Technologies -**



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.

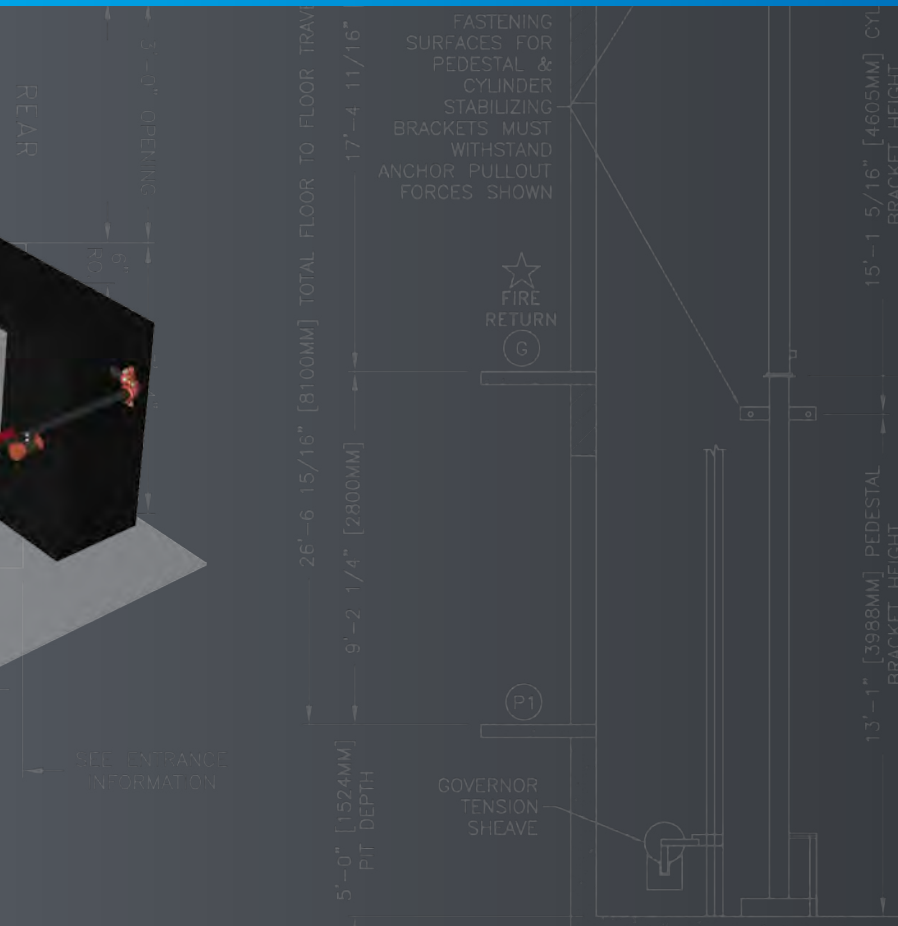
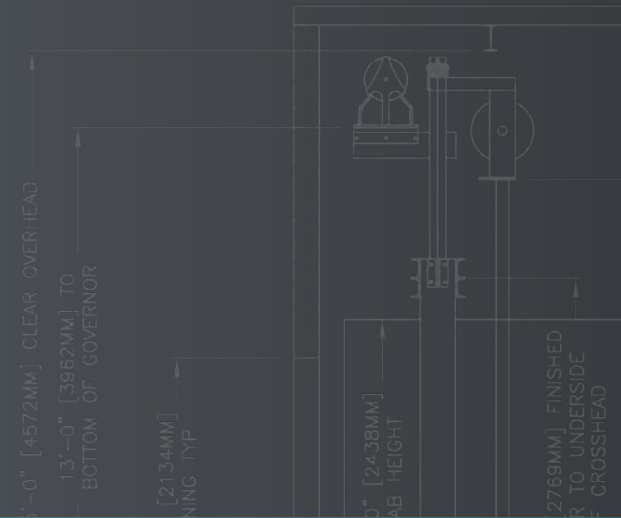
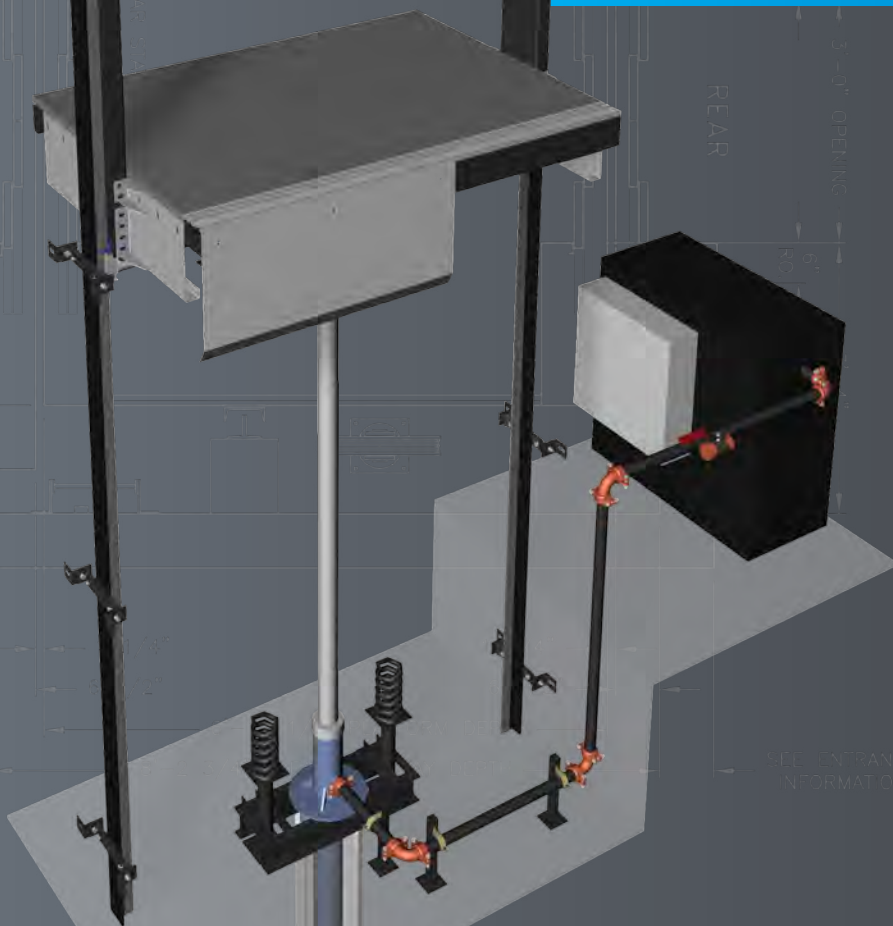
		In-Ground	Holeless Twin Jack - Single Stage	Holeless Twin Jack - Two Stage	Holeless Twin Jack - Three Stage	Holeless Single Jack - Cantilevered	Roped Hydro Twin Jack	Roped Hydro Cantilevered	Traction Geared	Traction MRL Machine-Room Less
Passenger	2,100 lb - 4,500 lb	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Standard & Custom Cabs	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Front & Rear Openings	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Maximum Travel (ft)	75	20	40	60	40	75	75	350	200
	Maximum Car Speed (FPM)	200	200	200	200	200	200	200	350	500
	Class A, C1 & C3 Loading	✓	✓	✓	✓	Class A	✓	Class A	✓	✓
	5,000 lb - 20,000 lb	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Standard & Custom Cabs	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Front & Rear Openings	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Maximum Travel (ft)	75	20	30	45	✗	100	✗	350	✗
Maximum Car Speed (FPM)	200	200	200	200	✗	175	✗	100-350	✗	
Class A, C1 & C3 Loading	✓	✓	✓	✓	✗	✓	✗	✓	✗	
Freight	4,000 lb - 6,000 lb	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Class A, B, C1, C2, C3 Loading	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Front & Rear Openings	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Maximum Travel (ft)	75	20	40	60	✗	100	✗	350	✗
	Maximum Car Speed (FPM)	200	200	200	200	✗	200	✗	350	✗
	6,500 lb - 20,000 lb	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Class A, B, C1, C2, C3 Loading	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Front & Rear Openings	✓	✓	✓	✓	✗	✓	✗	✓	✗
	Maximum Travel (ft)	75	20	30	45	✗	100	✗	350	✗
	Maximum Car Speed (FPM)	200	175	175	175	✗	175	✗	150-350	✗
	25,000 lb - 40,000 lb	✓	✗	✗	✗	✗	Contact MEI	✗	Contact MEI	✗
	Class A, B, C1, C2, C3 Loading	✓	✗	✗	✗	✗	Contact MEI	✗	Contact MEI	✗
	Front & Rear Openings	✓	✗	✗	✗	✗	Contact MEI	✗	Contact MEI	✗
	Maximum Travel (ft)	50	✗	✗	✗	✗	Contact MEI	✗	Contact MEI	✗
	Maximum Car Speed (FPM)	100	✗	✗	✗	✗	Contact MEI	✗	Contact MEI	✗
	40,000 lb - 80,000 lb	✓	✗	✗	✗	✗	✗	✗	✗	✗
	Class A, B, C1, C2, C3 Loading	✓	✗	✗	✗	✗	✗	✗	✗	✗
Front & Rear Openings	✓	✗	✗	✗	✗	✗	✗	✗	✗	
Maximum Travel (ft)	50	✗	✗	✗	✗	✗	✗	✗	✗	
Maximum Car Speed (FPM)	30-60	✗	✗	✗	✗	✗	✗	✗	✗	

ENGINEERED TO ORDER
 CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

Typical Group 1 Hoistway Package

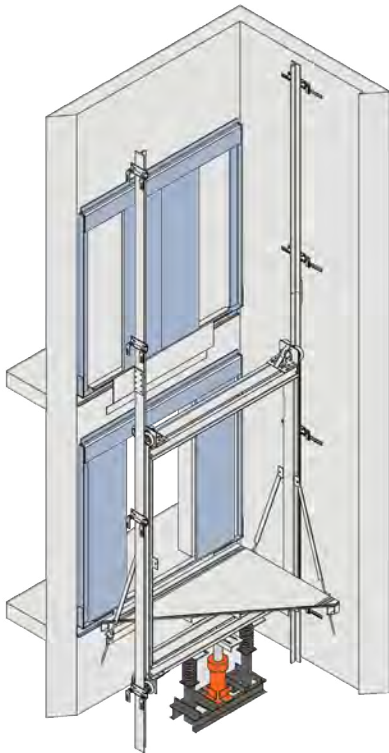
MEI Group 1 Packages!

MEI Group 1 packages are perfect for the customer that is looking to piece together their own specific solution. Every application in the MEI catalog can be provided as a Group 1 package.

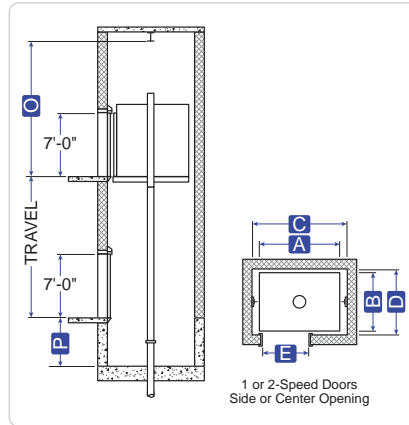




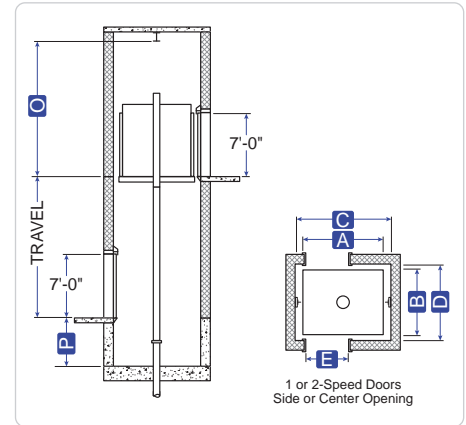
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AMERICAN OWNED AND OPERATED



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 is the traditional design used for decades. It utilizes a single-stage hydraulic jack installed in the ground. The jack is located directly under the car, near the center of the platform.

Advantages

- Usually the lowest material cost application.
- Accommodates front and rear openings in any configuration.
- No extensive pit or overhead is required.
- Available for both low and high capacity cars.
- Of all the application types, this equipment package is the easiest to install.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Pressure Switch
see page 52

ENGINEERED TO ORDER

CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

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"	
	High Capacity	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"
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"		

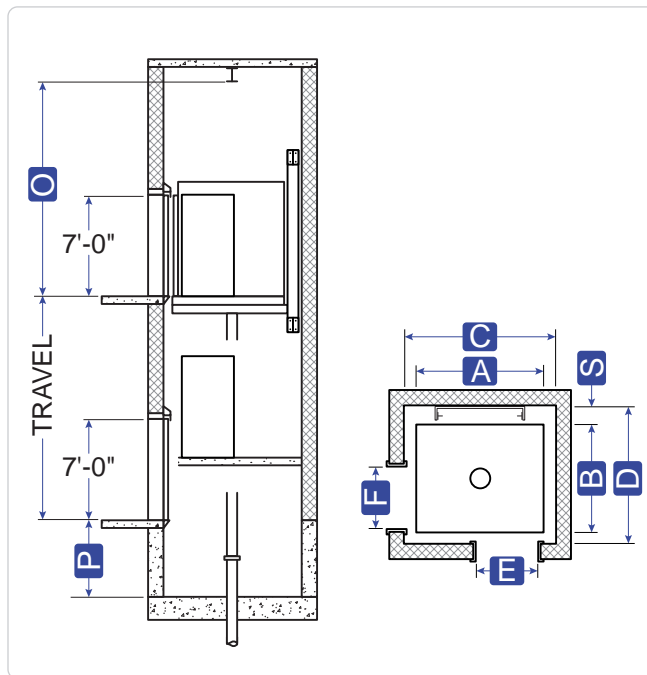
P Pit Depth = 4'-0" • **O** Minimum Overhead = 12'-0" • Cab Height = 8'-0"



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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

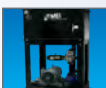
This application is used when a side opening is required in addition to a front opening. The rails and brackets are located on one wall of the hoistway. Please note that the dimensions shown are only examples of applications possible. Please call MEI for job-specific dimensions.

Advantages

- Accommodates front and side openings.
- No extensive pit or overhead is required.
- Available for both low and high capacity cars.

! Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



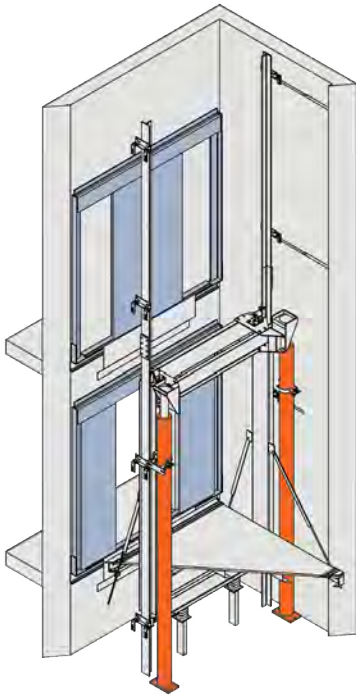
Low Pressure Switch
see page 52

ENGINEERED TO ORDER									
CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES									
Rear Slung									
Capacity (lbs)	Platform A x B	Hoistway C x D	Laminate Clear Inside W x D	Platform to Wall S	Front Door Type	Front Door Width E	Side Door Type	Side Door 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"

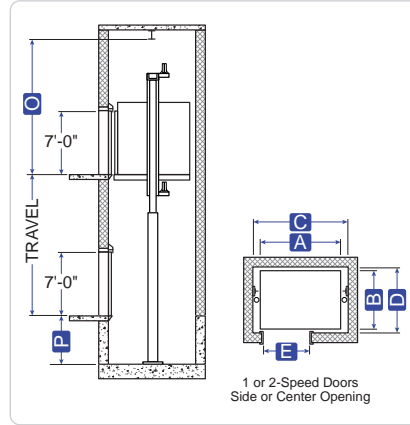
P Pit Depth = 4'-0" • **O** Minimum Overhead = 12'-5" • Cab Height = 8'-0"



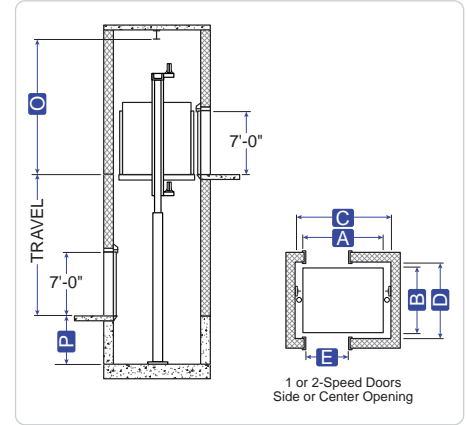
MADE IN THE USA
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Single Opening (F)



Double Opening (F/R)



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

Application Summary

This design utilizes two hydraulic jacks and provides maximum structural stability. The jacks, located on each side of the car, are either single-stage or telescopic. The appropriate jack type is determined by the amount of travel and the project conditions. The single-stage jacks are popular for two-stop arrangements, while telescopic jacks are generally used for three- and four-stop projects.

Advantages

- No jack hole is required. This eliminates the cost of drilling and the risk of oil contamination.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Oil Level Switch
see page 52

ENGINEERED TO ORDER

CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

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:

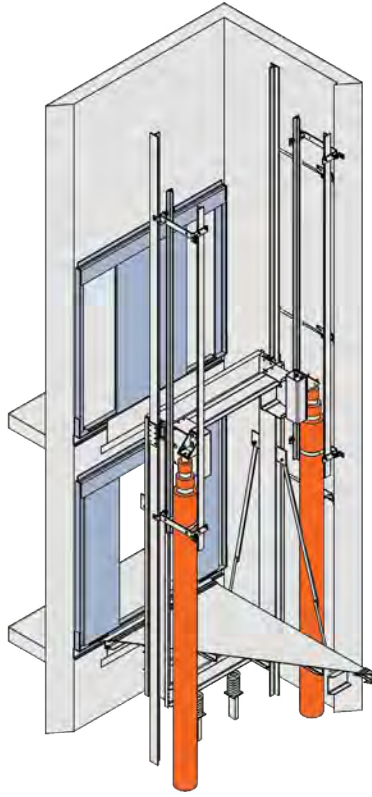
Minimum of 12'-0" overhead required for 12'-0" of travel and under. If over 12'-0" travel, overhead must equal or be greater than total travel.

Two Stage Jack Overhead Requirement:

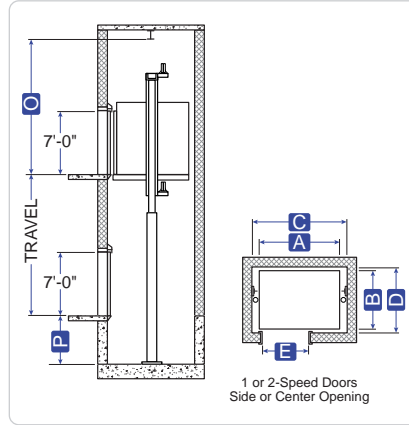
Minimum of 12'-8" overhead required for 20' of travel and under. Add 1/2" to 12'-8" for every additional 1" of travel over 20'-0".



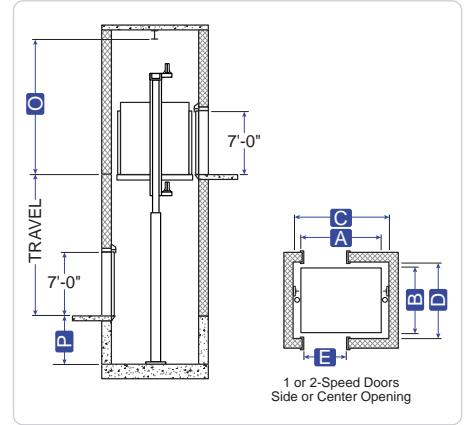
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AMERICAN OWNED AND OPERATED



Single Opening (F)



Double Opening (F/R)



A = Platform Width
B = Platform Depth

C = Hoistway Width
D = Hoistway Depth

E = Clear Door Opening
P = Pit Depth
O = Overhead

Application Summary

This design utilizes two hydraulic jacks and provides maximum structural stability. The telescopic jacks are located on each side of the car.

Advantages

- No jack hole is required. This eliminates the cost of drilling and the risk of oil contamination.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.
- Less overhead required than 2 stage holeless.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Oil Level Switch
see page 52

ENGINEERED TO ORDER

CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

	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"
Hospital	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"
	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"
High Capacity	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"
	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

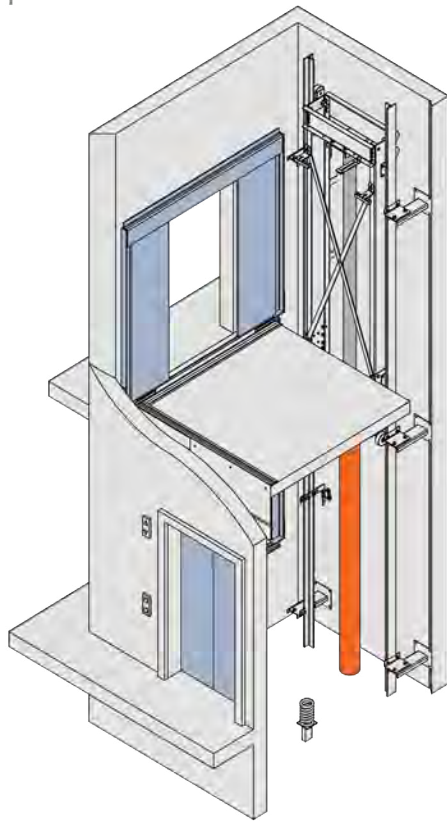
- A) Car Speed = Up to 150 FPM
- B) Top Overtravel = 12"
- C) Bottom Overtravel = 8"
- D) Pit Depth = 4'-0"
- E) Cab Height = 8'-0"

3 Stage Jack Overhead Requirement:

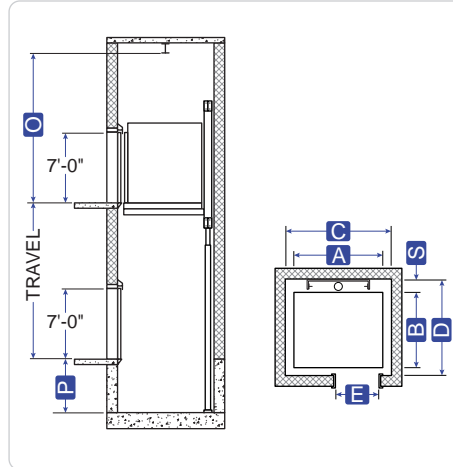
Minimum of 12'-10" overhead required for 30'-6" of travel and under.
Add 1/2" to 12'-10" for every additional 1" of travel over 30'-6".



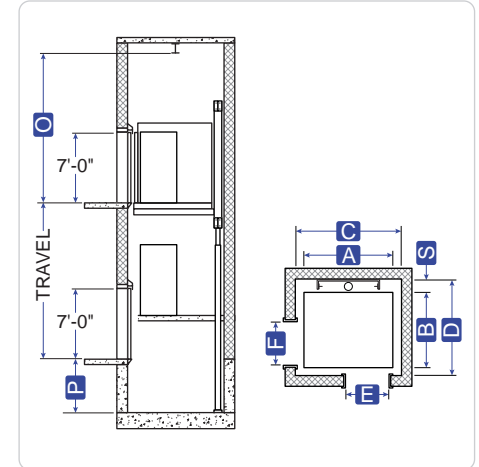
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Single Opening (F) - Rear Slung Shown



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 when a side opening is required in addition to a front opening. The rails and brackets are located on one wall of the hoistway. Please note that the dimensions shown are only examples of applications possible. Please call MEI for job-specific dimensions.

Advantages

- No jack hole is required.
- Accommodates front and side openings.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

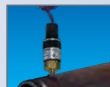
Recommended Options



Oil Cooler
(heavy usage)
see page 54



Low Oil Level Switch
see page 52



Load Weigh Switch
see page 52

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CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

Rear Slung									
Capacity (lbs)	Platform A x B	Hoistway C x D	Front/ Side	Laminate Clear Inside W x D	Platform to Wall S	Front Door Type	Width E	Side Door Type	Width F
Low Capacity	2100	6'-0" x 5'-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" x 5'-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" x 5'-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" x 6'-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" x 6'-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"

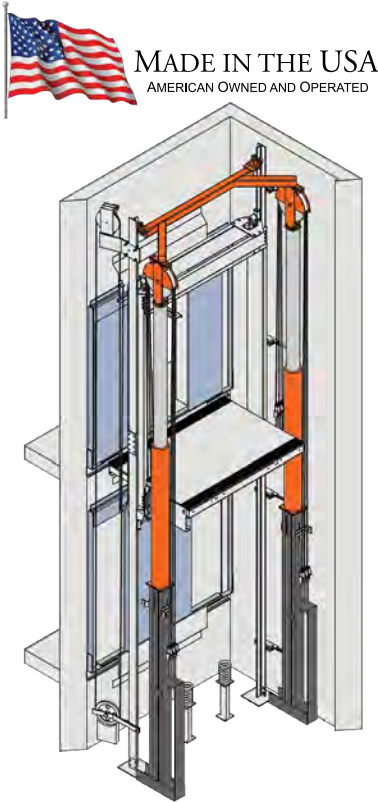
P Pit Depth = 4'-0" • **O** Minimum Overhead (See Below) • Cab Height = 8'-0"

Guidelines for determining overhead required:

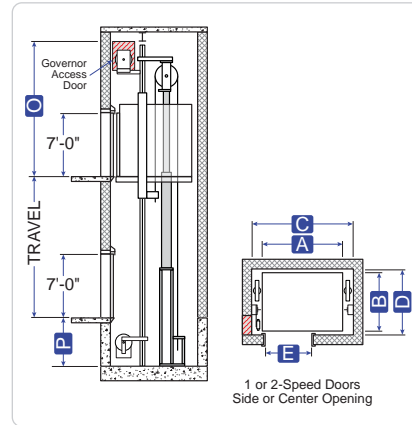
For 1 Stage Jack
 A) Car Speed = Up to 150 FPM
 B) Top Overtravel = 5"
 C) Bottom Overtravel = 12"
 D) Pit Depth = 4'-0"
 E) Cab Height = 8'-0"

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"

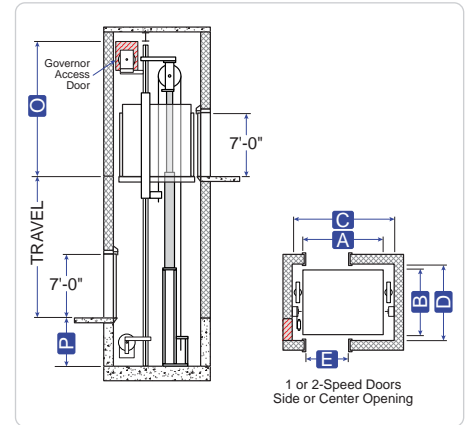
One Stage Jack Overhead Requirement:
 Minimum of 12'-5" overhead required for 11'-0" of travel and under. If over 11'-0" travel, overhead must be 18" greater than total travel.
Two Stage Jack Overhead Requirement:
 Minimum of 13'-3" overhead required for 20' of travel and under. Add 1/2" to 13'-3" for every additional 1" of travel over 20'-0".



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
 = Gov. Access Door
Required in New York City and possibly other jurisdictions

Application Summary

This design utilizes wire ropes in conjunction with two hydraulic jacks to lift the car at a 1:2 ratio. For every foot that the jacks rise, the car rises two feet. The use of two jacks, one on each side of the car, provides maximum structural stability.

Advantages

- No jack hole is required and with that there is no risk of oil contamination in the ground.
- Accommodates front and rear openings in any configuration.
- No extensive pit or overhead is required.
- Large platform designs and high capacity projects can be accommodated.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Oil Level Switch
see page 52

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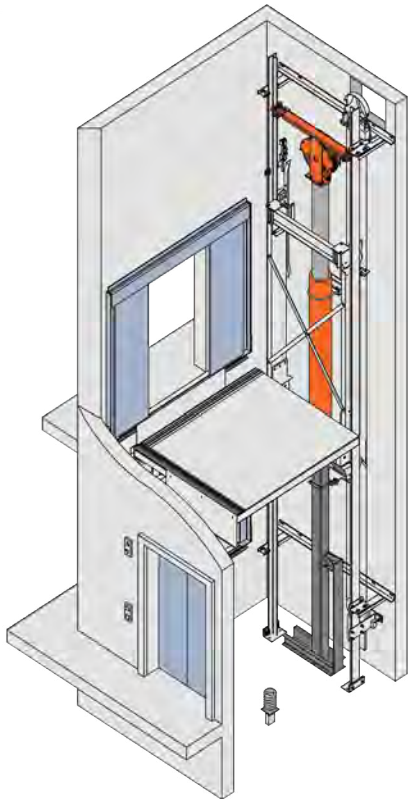
CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

	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"
Hospital	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"
	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"
High Capacity	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"
	8000 *	8'-4" x 10'-0"	10'-10" x 10'-10"	F	8'-1" x 9'-1"	2-SP	4'-0"
	8000 *	8'-4" x 10'-8 1/2"	10'-10" x 12'-0"	F/R	8'-1" x 9'-1"	2-SP	4'-0"
	10000 *	8'-4" x 11'-8 1/2"	11'-0" 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" 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" x 12'-4"	F	10'-1" x 10'-7"	2-SP	4'-0"	
12000 *	10'-4" x 12'-2 1/2"	13'-8" x 13'-6"	F/R	10'-1" x 10'-7"	2-SP	4'-0"	
15000 *	12'-0" x 11'-5"	15'-8" x 12'-3"	F	11'-9" x 10'-6"	2-SP	4'-0"	
15000 *	12'-0" x 12'-1 1/2"	15'-8" x 13'-5"	F/R	11'-9" x 10'-6"	2-SP	4'-0"	

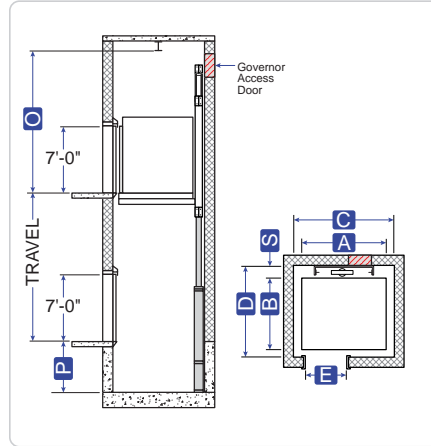
P Pit Depth = 4'-0" • **O** Minimum Overhead = 12'-5" , * Denotes Minimum Overhead = 13'-3" • Cab Height = 8'-0"



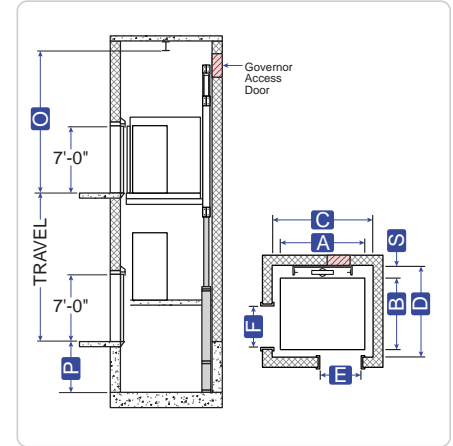
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Single Opening (F) - Rear Slung Shown



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
- = Gov. Access Door
Required in New York City and possibly other jurisdictions

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CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

Rear Slung									
Cap. (lbs)	Platform A x B	Hoistway C x D	Laminate Clear Inside W x D	Front/ Side	Front Door Type	Front Door Width E	Side Door Type	Side Door 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 3/4"	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 is a holeless design limited to low capacity applications. Wire ropes are utilized in conjunction with a hydraulic jack to lift the car at a 1:2 ratio. For every foot that the jack rises, the car rises two feet. The jack and rail equipment is mounted either to the side or to the rear of the car, depending upon the opening configuration.

Advantages

- No jack hole is required and with that there is no risk of oil contamination in the ground.
- Front & side openings can be easily accommodated.
- No extensive pit or overhead is required.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Oil Cooler
(heavy usage)
see page 54



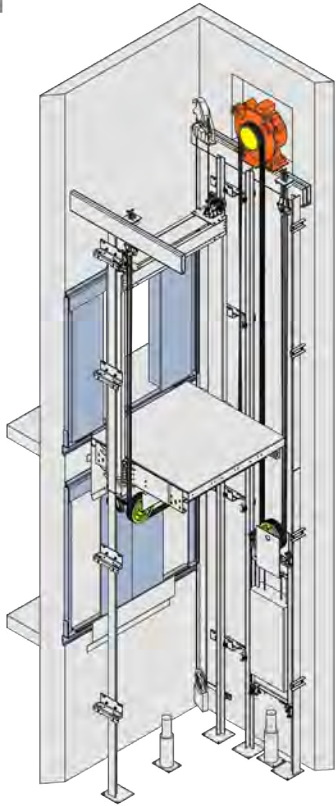
Low Oil Level Switch
see page 52



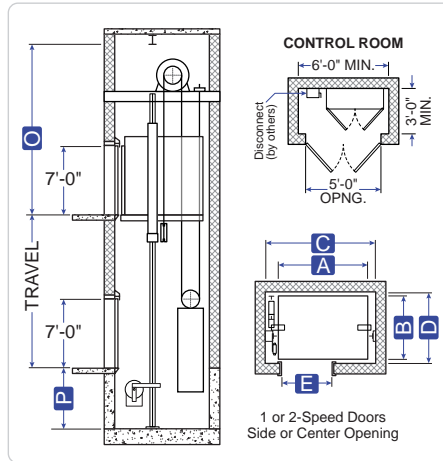
Load Weigh Switch
see page 52



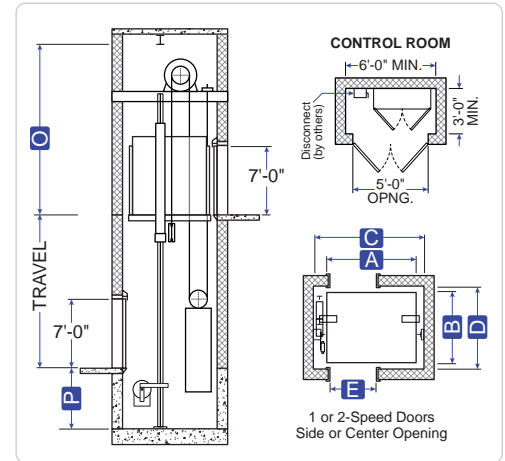
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Under Slung Single Opening (F) (CWT at Side)



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

Application Summary

This design utilizes a gearless machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side. The gearless machine, along with the related drive equipment is all installed inside the hoistway eliminating the need for a machine room saving you valuable floor space.

Advantages

- Requires a smaller control room rather than a full size machine room
- Reduces height of rooftop projection versus Traction applications
- Shorter minimum overhead than Rail Mounted MRL application
- Advantages over hydraulic applications:
 - Lower power requirements
 - Greater energy efficiency
 - Allows significantly higher car speeds

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CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

Pocket Mounted Machine - Side CWT

	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.

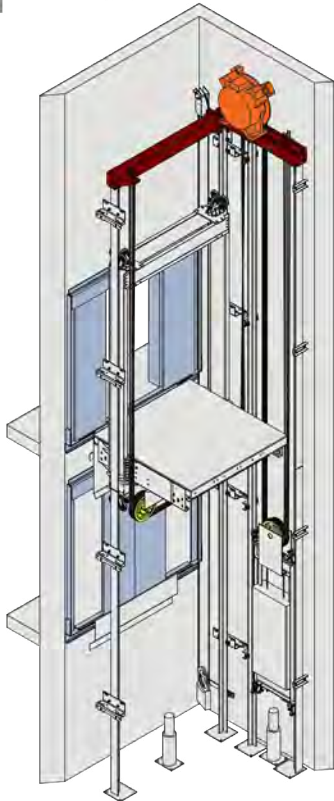
Note: Counterweight safeties also available.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.



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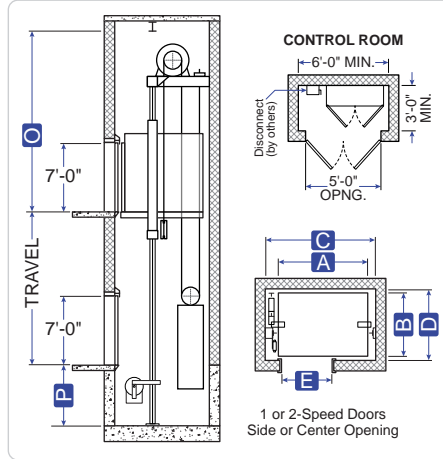
Application Summary

This design utilizes a gearless machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side. The gearless machine, along with the related drive equipment is all installed inside the hoistway eliminating the need for a machine room saving you valuable floor space.

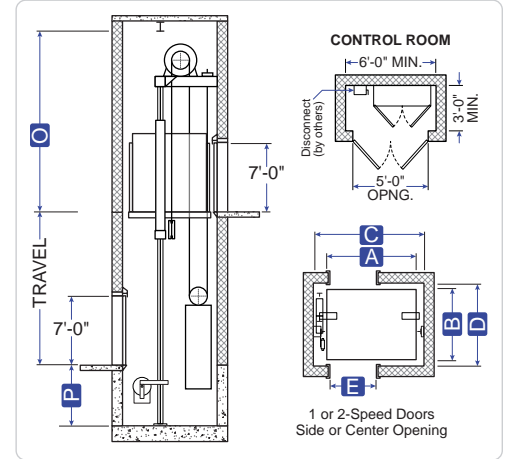
Advantages

- Requires a smaller control room rather than a full size machine room
- Reduces height of rooftop projection versus Traction applications
- Building structure not required to support the weight of the elevator
- Advantages over hydraulic applications:
 - Lower power requirements
 - Greater energy efficiency
 - Allows significantly higher car speeds

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

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CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

Rail Mounted Machine - Side CWT

	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'-2" x 6'-9"	F	5'-9" x 4'-3 1/2"	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 1/2"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3000	7'-0" x 5'-6"	9'-2" x 7'-4 1/2"	F	6'-9" x 4'-8 1/2"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3000	7'-0" x 6'-4"	9'-10" x 7'-4 1/2"	F/R	6'-9" x 4'-11 1/2"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3500	7'-0" x 6'-2"	9'-2" x 7'-4 1/2"	F	6'-9" x 5'-4 1/2"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
	3500	7'-0" x 6'-9"	9'-10" x 7'-9 1/2"	F/R	6'-9" x 5'-4 1/2"	1-SP	3'-6"	500	Rail	18'-3"	5'-8"
Hospital	4000	8'-0" x 6'-2"	10'-9" x 7'-4 1/2"	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 1/2"	F/R	7'-9" x 5'-0 1/2"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	4000H	6'-0" x 8'-5"	8'-9" x 9'-2 1/2"	F	5'-9" x 7'-6"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	4000H	6'-0" x 9'-1 1/2"	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 1/2"	F	5'-9" x 8'-3"	2-SP	4'-0"	350	Rail	18'-3"	5'-8"
	4500H	6'-0" x 9'-10 1/2"	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 1/2"	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 1/2"	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.

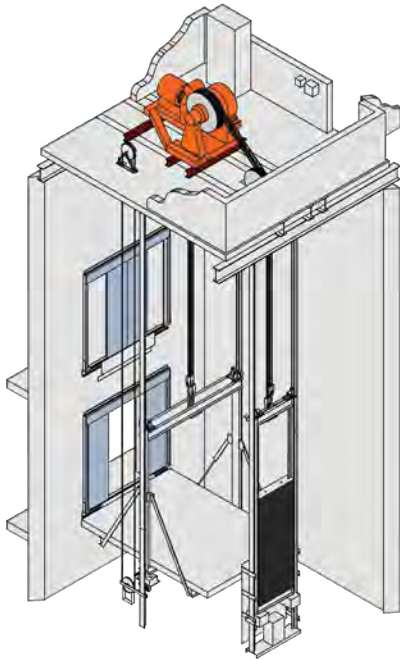
**Note: Counterweight safeties also available.
Rear counterweight design also available.**



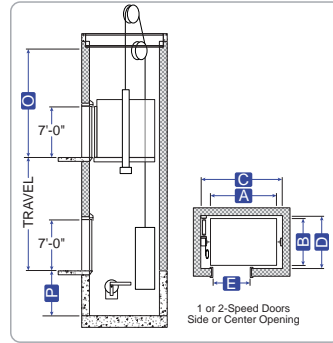
Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.



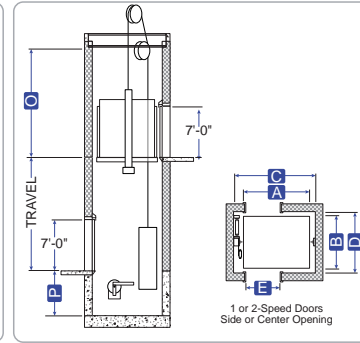
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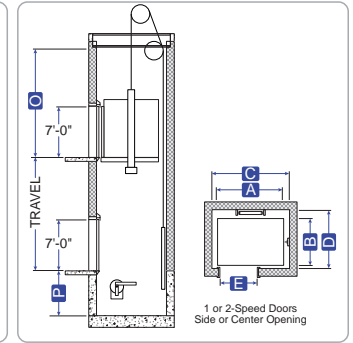
Single Opening (F) (CWT at Side)



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

Application Summary

This design utilizes a geared machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side or at the rear. The geared machine, along with the related drive equipment, is generally located above the hoistway in a penthouse machine room. In some limited situations, it can be located next to the hoistway at a lower landing. This latter arrangement is referred to as a basement traction.

Advantages

- No risk of oil contamination to the ground.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.
- Nearly unlimited floor travel is possible.
- Has greater power efficiency than hydraulic applications.
- Allows significantly higher car speeds than hydraulic designs.

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CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

	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	Minimum Overhead O	Minimum 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" *
Hospital	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" *
	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" *
High Capacity	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" *
	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"	10'-2" 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"	10'-8" 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"	12'-7 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"	14'-6" 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

* 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.

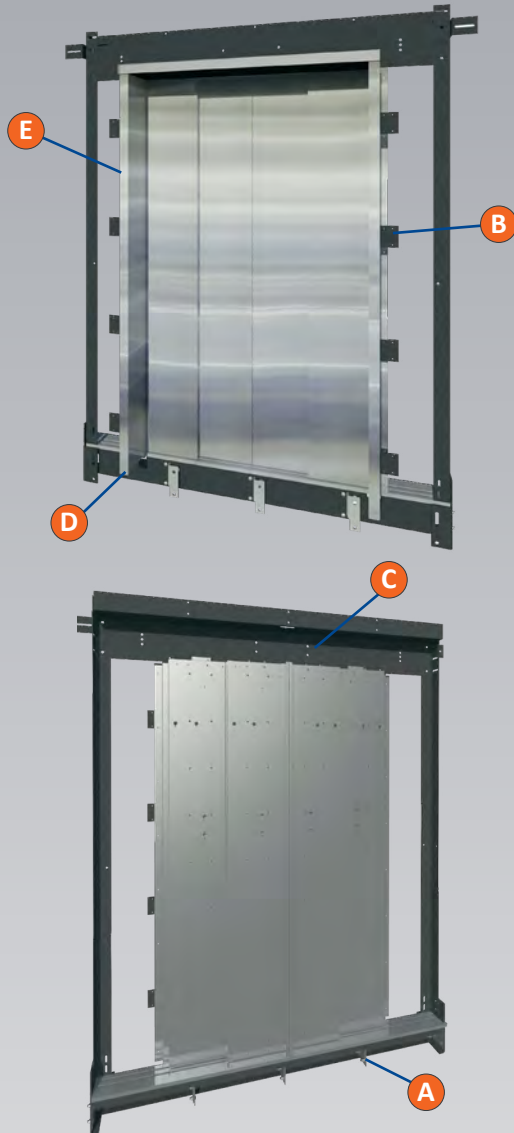
225 FPM = add 6" of overhead & 5" of pit depth
250 FPM = add 7" of overhead & 5" of pit depth
300 FPM = add 8" of overhead & 5" of pit depth
350 FPM = add 10" of overhead & 5" of pit depth

Contact us for your next custom Gearless elevator package. MEI provides gearless cars up to 9,000 lb. capacity at 450 FPM.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

INSTALLATION ADVANTAGES



Groutless Adjustable Sill Option

The sill angle brackets can accommodate imperfections in the hoistway allowing quick and easy levelling of the sill.

Traditional grouted option available.



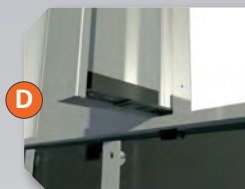
Innovative Drywall Frame Clips

Fastening is easy and simple because the fasteners are on the front side of mounting brackets.



Universal Opening

Strike jambs can be reversed for a universal right or left hand fit.



Raised Frame Attachment

Designed with 1/2" clearance, these attachments eliminate the need to chisel away masonry for a correct fit.



Compatible with Masonry and Gypsum Walls

Frames are constructed the same, and mount easily regardless of wall construction material.

GENERAL SPECIFICATIONS FOR ALL ENTRANCES

FRAME

- Bolted Frame Construction

MATERIAL

Painted or stainless frames and doors

SILL - GROUTLESS DESIGN

Loading

Maximum 10,000 class A loading

Maximum 6,000 class C1 & C3 loading

SILL MATERIAL

Aluminum (Standard)

Nickel Silver (Optional)

Stainless (Optional)

FRAME CONSTRUCTION

- Bolted construction
- 16ga. stainless or sheet steel standard - 14ga. optional
- Accommodates any wall thickness
- UL labeled for Gypsum construction

- 2" wide return, strike, and header perimeter
- Sheet steel is powder painted
- Bolted entrance frames in left hand, right hand, and center. 1 speed or 2 speed.
- For Gypsum wall construction, front of frames attach using frame clips.

STRUT CONSTRUCTION

- 10ga. sheet steel
- Strut extensions may be needed for gypsum construction

SILL SUPPORT CONSTRUCTION

- Groutless design
 - 10,000 class A loading
 - 6,000 class C1 & C3 loading
- Grouted design
 - No loading limit
- Fully adjustable for easy leveling
- Groutless Sill angles are 7ga. sheet steel with 1/4" wall mounting feet and 10ga. gussets
- 1/2" x 3 3/4" concrete wedge anchors included

HEADER CONSTRUCTION

- 10ga. sheet steel
- Drilled for GAL mounting (contact MEI for other drilling)

DOOR CONSTRUCTION

- 1.5 hour fire rating UL label
- Doors are right- left-hand specific
- Standard doors are clad in 20ga. stainless -16ga. optional
- Painted doors have no cladding - gloss paint requires sheet steel skin
- Use (2) Nylube slide door guides (gibs) with (1) 14ga. safety retainer gib (per door panel)
- Drilled for GAL door operator. (contact MEI for other drilling)
- Sight guard finish matches door finish
- See page 31 for stand alone doors and accessories.

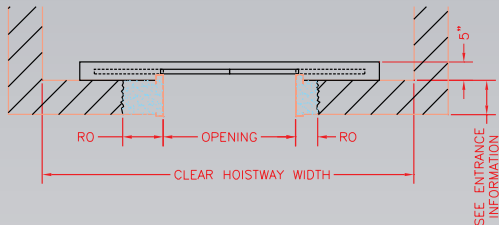
FASCIA CONSTRUCTION

- 14ga. galvanized
- 48" maximum height per section

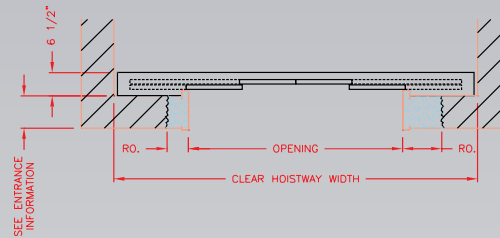
CENTER OPENING ENTRANCES Offered as Full Entrance Packages or Doors Only



1-Speed Center Opening
Maximum Width: 50" | Maximum Height: 96"



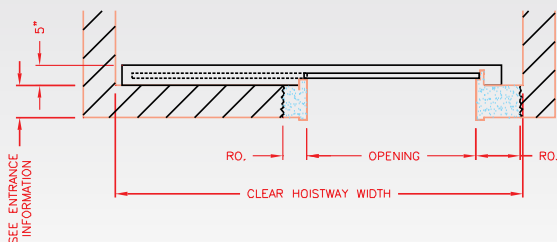
2-Speed Center Opening
Maximum Width: 96" | Maximum Height: 96"



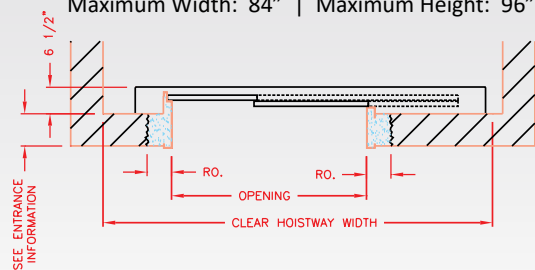
SIDE OPENING ENTRANCES Offered as Full Entrance Packages or Doors Only



1-Speed Side Opening
Maximum Width: 42" | Maximum Height: 96"



2-Speed Side Opening
Maximum Width: 84" | Maximum Height: 96"



ENTRANCE & CAB

- ▶ Competitive pricing
- ▶ Heavy duty design you have come to expect from MEI
- ▶ UL labeled entrance doors
- ▶ 1 or 2 Speed
- ▶ Side or center opening
- ▶ Quality crating

LEAD TIME OPTIONS

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

STANDARD PARTS

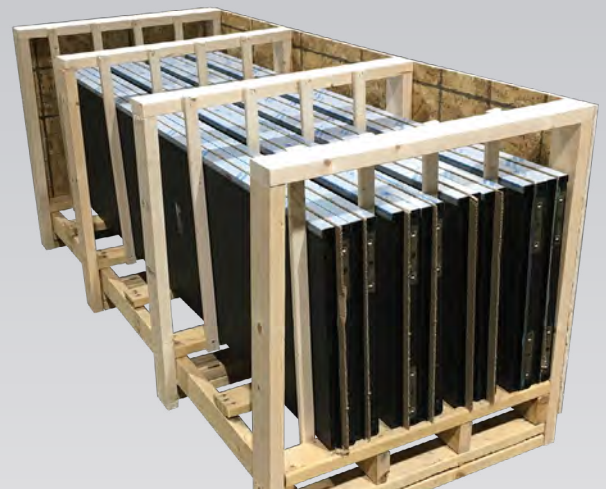
- ▶ Door gibs
- ▶ Sight guards
- ▶ Astragals
- ▶ Bumpers



**Powder Coating or
Stainless Finish!**

Standard Pre-Engineered Door Options or Custom Options Available

Door Configuration	Standard Operator Drilling	Standard Opening Size (wide x tall)
1SSO - Right Hand	Cab: GAL 8231	36" x 84"
	Entrance: GAL 8241	42" x 84"
1SSO - Left Hand	Cab: GAL 8231	36" x 84"
	Entrance: GAL 8241	42" x 84"
1SCO	Cab: GAL 8233	42" x 84"
	Entrance: GAL 8243	48" x 84"
2SSO - Right Hand	Cab: GAL 8232	42" x 84"
	Entrance: GAL 8242	48" x 84"
2SSO - Left Hand	Cab: GAL 8232	42" x 84"
	Entrance: GAL 8242	48" x 84"
2SCO	Cab: GAL 8235	60" x 84"
	Entrance: GAL 8245	72" x 84"

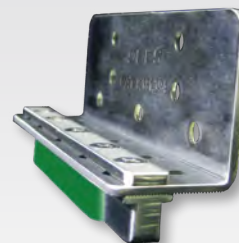


**Quality Crating Keeps
the Doors Straight!**

**Allen Set Screws hold
blocks in place.**

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

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



The Enforcer

Optional Enforcer Gibs available.
Can handle over 18,000 lbs. of force!



Standard Service Cab

MEI's Service Cab is our most robust passenger cab and features a painted steel shell.

Walls - The walls are 14 gauge formed steel (shown in Light Ivory). Choose from our standard paint colors or define your own. The walls are also available in 12 gauge steel and brushed stainless steel finish.

Door - The door can be skinned in painted steel, brushed stainless steel, polished stainless steel, or patterned stainless steel.

Sill - The sill incorporates hidden fasteners and is available in aluminum, nickel-silver, stainless steel, or bronze.

Front - The front features 14 gauge stainless steel. The front is also available in 12 gauge material, polished or patterned stainless steel, brushed bronze finishes, or painted steel to match the walls.

Canopy - The canopy is 14 gauge painted steel (shown here in white). Additional options include 12 gauge steel and any of the standard ceilings shown on page 36.

Lighting - Fluorescent lights are recessed into the canopy for maximum space inside the cab.

Handrail - The handrail is a hollow bar (½" x 1 ½") with returned ends and brushed stainless steel finish. See page 37 for additional handrail options.

Optional Features
Sound Deadening for walls, door, or canopy
Light-proof joints



Plastic Laminate Cab

MEI's Plastic Laminate Cab is our most economical cab and features flush walls with laminate finish.

Walls - The walls are wood core with laminate finish (shown in 5th Ave Elm). Choose from our standard laminate colors or define your own.

Door - The door can be skinned in plastic laminate, brushed stainless steel, polished stainless steel, patterned stainless steel, or brushed bronze.

Sill - The sill incorporates hidden fasteners and is available in aluminum, nickel-silver, stainless steel, or bronze.

Front - The front features 14 gauge stainless steel. The front is also available in 12 gauge material, polished or patterned stainless steel, and brushed bronze finishes.

Canopy - The canopy is available in 14 gauge or 12 gauge painted steel.

Ceiling - The drop ceiling features an aluminum frame with eggcrate diffusers. See page 36 for additional ceiling options.

Lighting - LED lights are bolted to the canopy above the eggcrate panels. See page 36 for additional lighting options.

Handrail - The handrail is round (1 ½" diameter) with returned ends and brushed stainless steel finish. See page 37 for additional handrail options.

Optional Features
Sound Deadening for walls, door, or canopy
Brushed stainless or painted steel wall base



Raised Panel Cab

MEI's Raised Panel Cab is our most popular passenger cab. It features a steel shell with raised panels.

Walls - The walls are 14 gauge formed steel (shown in Flat Black). Choose from our standard paint colors or define your own. The walls are also available in 12 gauge steel and brushed bronze or stainless steel finish.

Panels - The panels are finished with plastic laminate (shown above in Wild Cherry), stainless mesh, textured stainless steel, or patterned stainless steel.

Door - The door can be skinned in brushed stainless steel, polished stainless steel, patterned stainless steel, brushed bronze, or painted steel.

Sill - The sill incorporates hidden fasteners and is available in aluminum, nickel-silver, stainless steel, or bronze.

Front - The front features 14 gauge stainless steel. The front is also available in 12 gauge material, polished or patterned stainless steel, and brushed bronze finishes.

Canopy - The canopy is available in 14 gauge or 12 gauge painted steel.

Ceiling - The island ceiling features a brushed stainless frame with high-voltage downlights. See page 36 for additional ceiling options.

Lighting - The LED downlights are integrated with the stainless frame. See page 36 for additional lighting options.

Handrail - The handrail is a hollow bar (½" x 1 ½") with returned ends and brushed stainless steel finish. See page 37 for additional handrail options.

Optional Features

Sound Deadening for walls, door, or canopy

Light-proof joints

Various reveal width between panels

Horizontal panel configurations

Vertical panels with wainscot below

Brushed stainless or painted steel wall base

Concealed vents behind panels



Glass Wall Cab

MEI's Glass Panel Cab is our most luxurious passenger cab. It features a 9/16" laminated glass rear wall with stainless mullions and a support beam for the handrail.

Walls - The glass rear wall complements all of our other cab styles. The side walls are available in flush laminate, raised panel, steel shell, or glass wall. The glass can either be above the handrail or full height. The framing is constructed of formed stainless steel. The handrail support beam is an integral part of this design and is included even if handrails are not needed.

Door - The door can be skinned in brushed stainless steel, polished stainless steel, patterned stainless steel, painted steel, brushed bronze, or it can incorporate 9/16" safety glass.

Sill - The sill incorporates hidden fasteners and is available in aluminum, nickel-silver, stainless steel, or bronze.

Front - The front features 14 gauge stainless steel. The front is also available in 12 gauge material, polished or patterned stainless steel, and brushed bronze finishes.

Canopy - The canopy is available in 14 gauge or 12 gauge painted steel.

Ceiling - The island ceiling features a brushed stainless frame with high-voltage downlights. See page 36 for additional ceiling options.

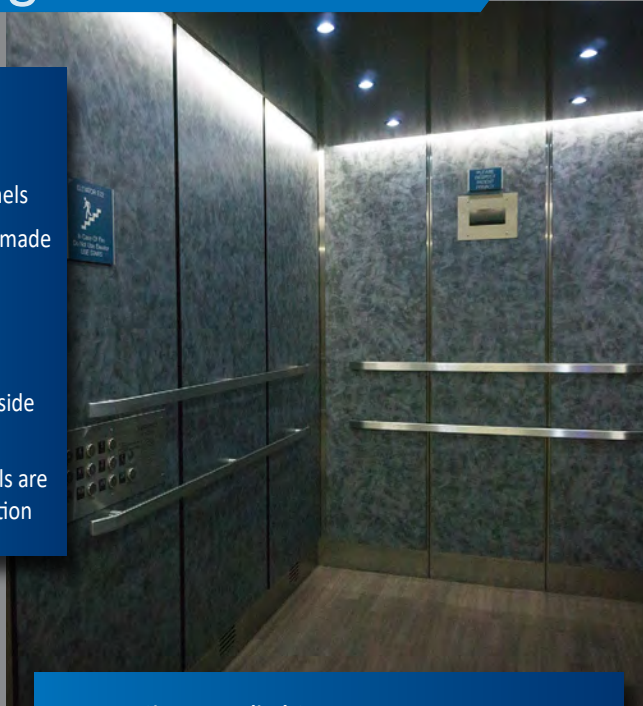
Lighting - The LED downlights are integrated with the stainless frame. See page 36 for additional lighting options.

Handrail - The handrail is round (1 ½" diameter) with returned ends and brushed stainless steel finish. See page 37 for additional handrail options.

Passenger Cabs

Raised panel design advantages:

- Easy to install clip on panels
- Light weight metal walls made of reveal finish
- Easy to align slots
- Lightweight drop ceiling
- Handrails mount from inside the cab
- Multi piece canopy panels are standard to ease installation



Kansas City VA Medical Center
Horizontal COP, Pewter Brush laminate raised panels with stainless steel reveals, fronts, sills and cab doors, 1/2" x 1 1/2" stainless tube handrails, stainless steel drop ceiling with low voltage LED lighting in the canopy



HOM Furniture - Bloomington, MN
1/2" 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

Service Cabs

Advantages:

- Robust passenger cab construction and finishes
- Heavier gauge steel cab walls and wall protection available
- Passenger doors
- Wide variety of finishes available
- Vandal resistant features available
- Often used in: hospitals, universities, airports, transit, hotels, etc

John Michael Kohler Art Center's Art Preserve - Sheboygan, WI
Rimex 5SM cab walls, fronts and cab doors are SS # 4, painted black canopy, SS #4 drop ceiling with high voltage LED downlights, 1/2" x 1 1/2" rectangular tube handrails and 1/4" x 6" solid bumpers both with a SS #4 finish both with a SS #4 finish, nickel silver sills, Gray Canvas pads and hooks



Glass Cabs



HOM Furniture - Bloomington, MN
Glass cab walls wrapped in SS #4 framing, SS#4 fronts, SS #4 drop ceiling with low voltage light, 1/2" x 1 1/2" rectangular tube handrails in a SS #4 finish, aluminum sills

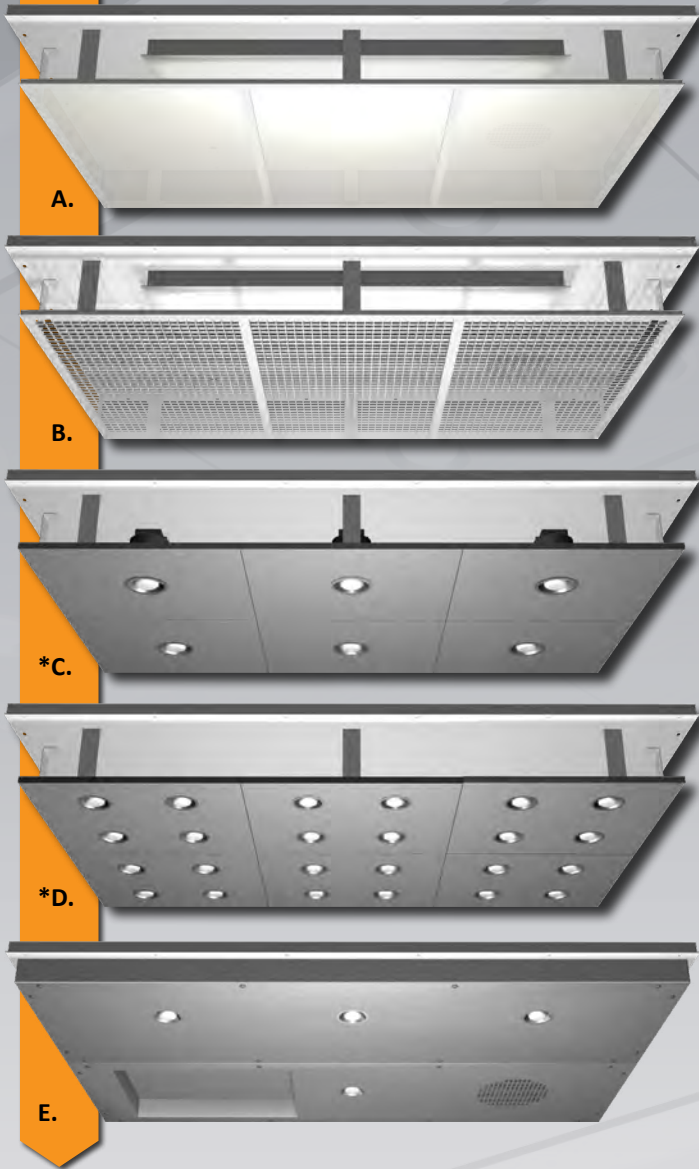


Advantages:

- Every glass cab is 3D modeled and setup at MEI to ensure fit and design
- Tamperproof fasteners in sash for easier installation of glass panels
- Ball/slot fastening cab wall design for installation efficiency
- 3D model link accessible from mobile devices for Mechanics
- Glass cabs use high quality stainless steel materials to create a sharp looking cost effective cab

MEI Headquarters - Mankato, MN - Glass panels set in SS #4 framing, concealed vents, 1 1/2" round handrail with returned ends, SS #4 fronts and a SS #4 drop ceiling with low voltage LED lights

DROP CEILING LIGHTING



CANOPY LIGHTING



Drop Ceilings

- A. LED lights above aluminum T-bar with polycarbonate diffusers
- B. LED lights above aluminum T-bar with aluminum eggcrate diffusers
- C. High voltage LED downlights with decorative trim
- D. Low voltage LED downlights with decorative trim
- *Perimeter LED lighting can be added to option C or D
- E. Low voltage LED with decorative trim and vandal-resistant edge

Decorative trim options for downlights: painted steel, laminate, brushed stainless steel, polished stainless steel, brushed bronze.

Canopy Standard Specifications:

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

Optional Features:

- 12 gauge material
- Man-D-Tec AA or OE blower
- 5-pin lock in emergency exit (seismic)

Lights in Canopy

- F. Recessed fluorescent lights
- G. High voltage LED downlights
- H. Low voltage LED downlights
- I. Cove/trough LED lighting

Canopy Standard Specifications:

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

Optional Features:

- 12 gauge material
- Brushed stainless steel finish
- Man-D-Tec AA or OE blower
- 5-pin lock in emergency exit (seismic)
- For standalone orders all MEI needs to know is the outside dimensions and escape hatch location.

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





Swing Panel Illustration

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.

Vertitron Digital Position Indicator

Each Vertitron PI is equipped with two alphanumeric characters. The Vertitron PI is field-programmable.

Emergency Light

Capacity/No Smoking Plate

This is a stud-mounted removable plate with laser-cut joints and etched signage.

Phase II Fire Instructions

This is a stud-mounted plate with laser-cut joints and engraved signage.

Key Switches

All standard key switches are included. Additional key switches for unique circumstances are also available.

Factory Wired COP

All key switch and pushbutton modules can be wired into a terminal strip in our factory. Fastening points are clearly identified.

Buttons With Braille

All required pushbuttons are included with the corresponding Braille.

Push to Talk Phone

The ADA hands-free phone includes battery backup.



Swing Panel

Size: 13" W x 84" H



Applied

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



Full Swing Return

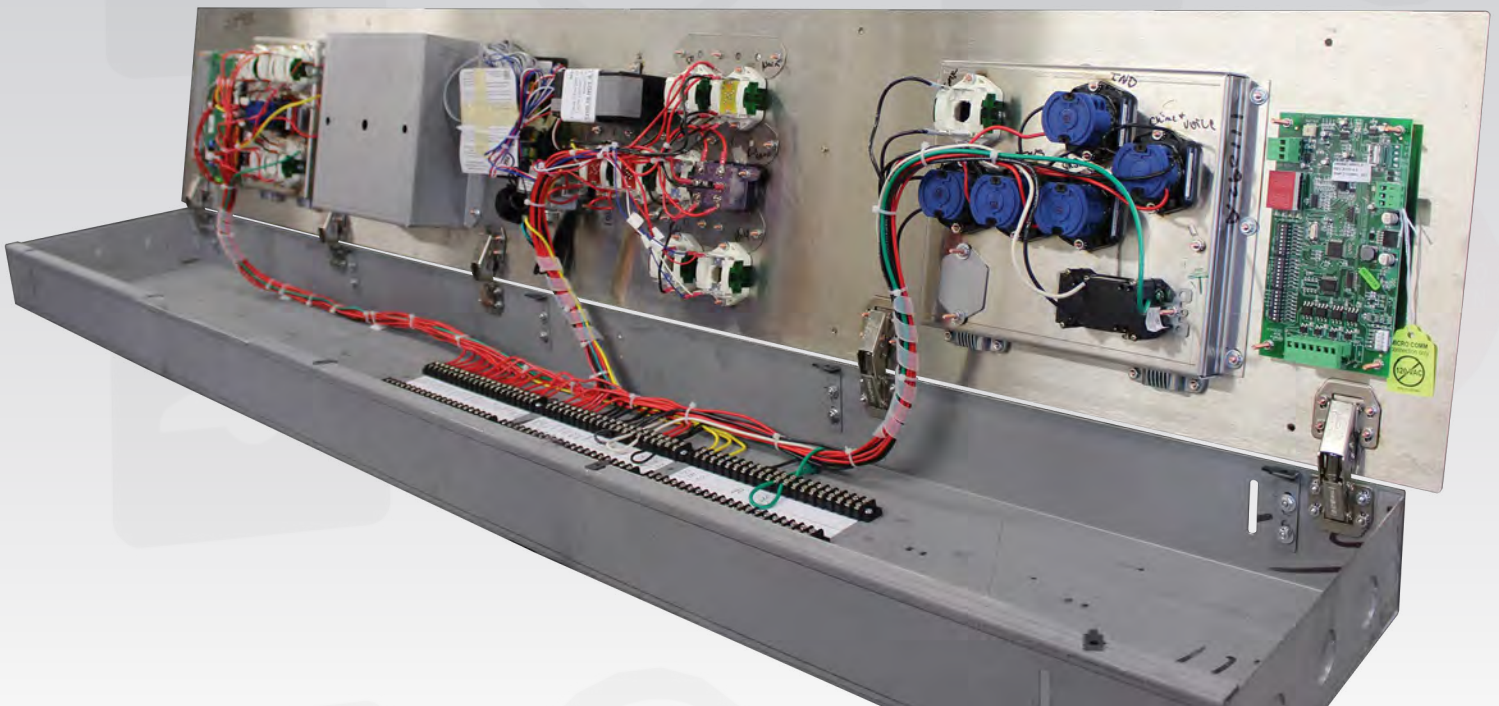
Size: varies by cab



Tilt

Size: 10" W x 84" H

Factory Pre-Wired





Single-Speed Side Open



Two-Speed Side Open



Single-Speed Center Open



Two-Speed Center Open

Cab Fronts

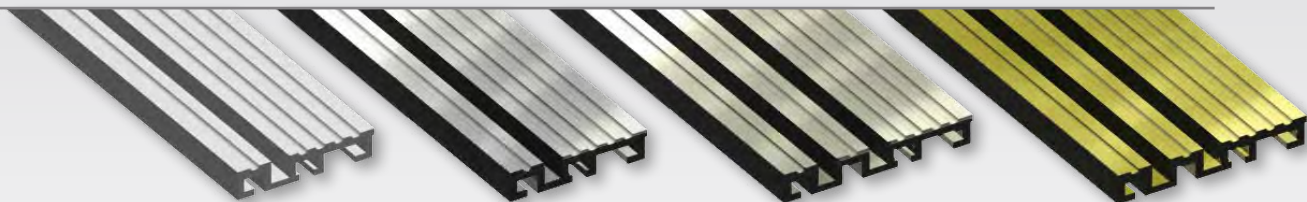
- The transom, jambs, and return filler are available in either 16 gauge or 14 gauge material.
- Brushed stainless steel, polished stainless steel, patterned stainless steel, painted steel, or brushed bronze finishes are available.
- Auxiliary COP designs are also available.

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.

Cab Sill

- The sill incorporates hidden fasteners and is available in aluminum, stainless steel, nickel-silver, or bronze.

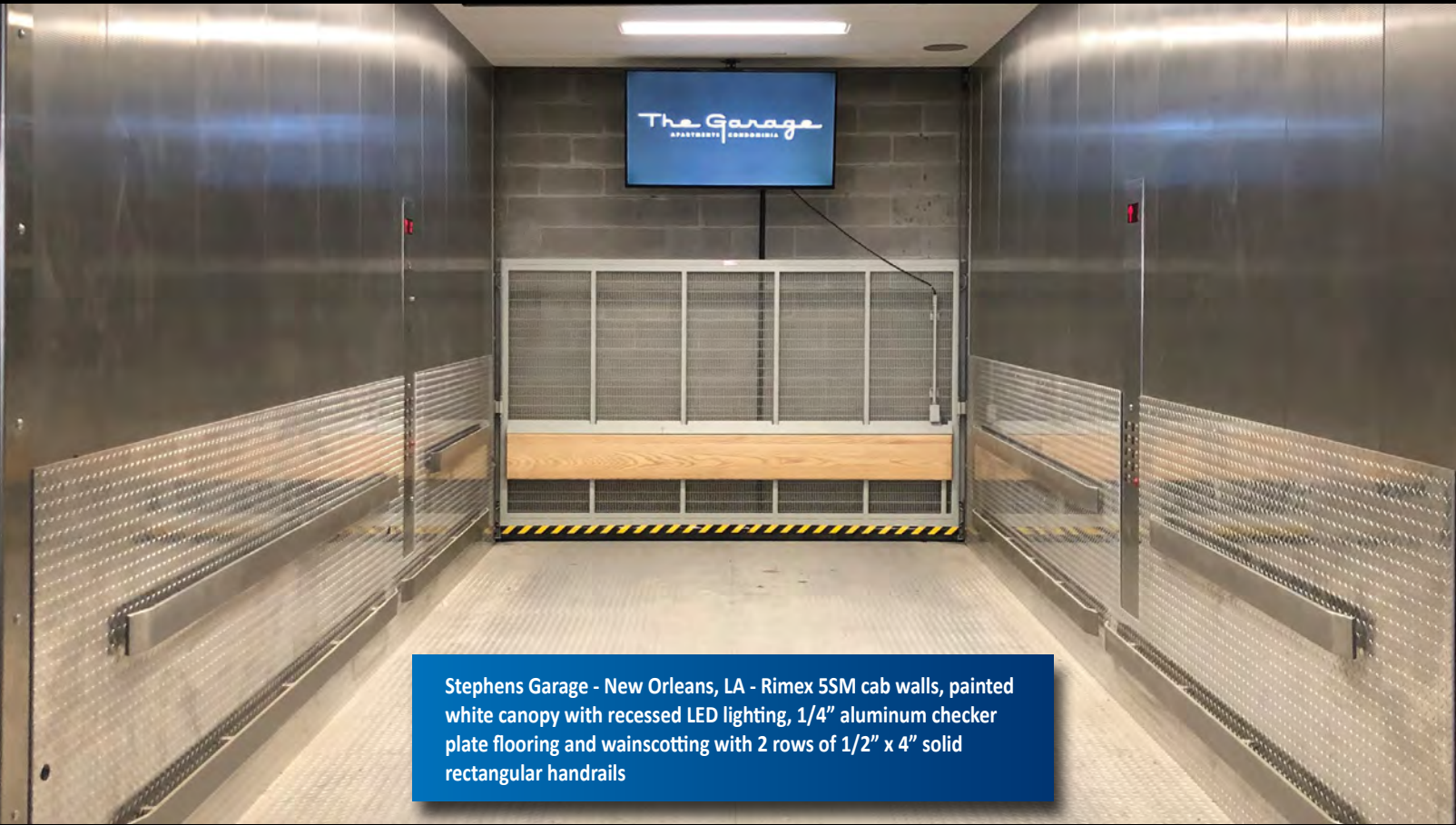


*Single-Speed Sill
Aluminum*

*Single-Speed Sill
Stainless Steel*

*Two-Speed Sill
Nickel-Silver*

*Two-Speed Sill
Bronze*

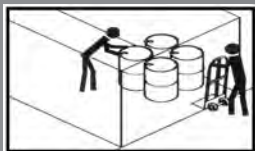


Stephens Garage - New Orleans, LA - Rimex 5SM cab walls, painted white canopy with recessed LED lighting, 1/4" aluminum checker plate flooring and wainscoting with 2 rows of 1/2" x 4" solid rectangular handrails

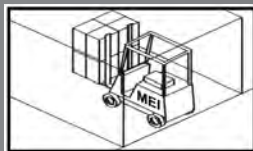
- ### Standard Freight Cab Features
- MEI cabs are manufactured using 14-gauge steel.
 - Standard wall panels are 24" sections for ease of installation.
 - Powder coat finish is available in a wide range of colors.
 - #4 Stainless Steel finish is also available upon request.
 - Wall bumpers are available in wood, steel, or stainless steel.
 - Fluorescent lights are recessed into the canopy.
 - Finished floors are available in a variety of materials, including checkerplate steel and hardwood.
 - Ceiling and wall panel seams match on standard 24" panels.

- ### 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

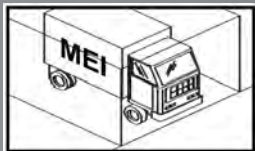
Class of Loading Definitions



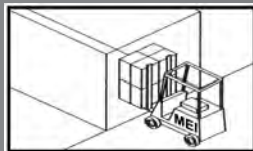
Class A



Class C1



Class B



Class C2

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

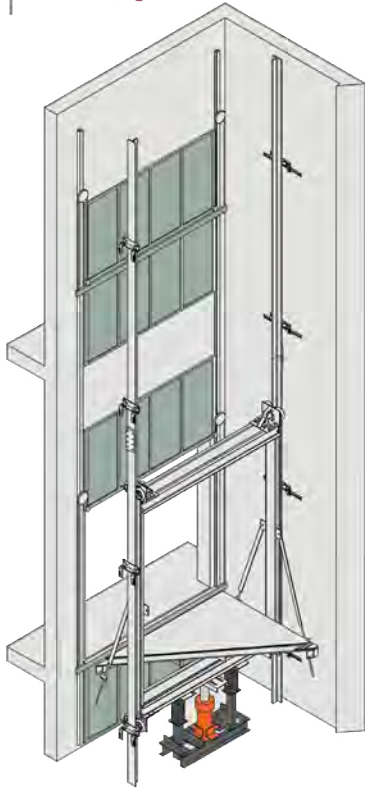
- Class A (General Freight Loading) – 50 lbs. per sq. ft.
- Class B (Motor Vehicle Loading) – 30 lbs. per sq. ft.
- Class C-1 (Industrial Truck Loading – truck carried by elevator) – 50 lbs. per sq. ft., but not less than load, including weight of truck.
- Class C-2 (Industrial Truck Loading – truck is normally used for loading and unloading only, and is not usually carried by elevator) – for elevators of 20,000 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 C-3 (Other loading with heavy concentrations where truck is not usually used) – 50 lbs. per sq. ft., but not less than load.

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

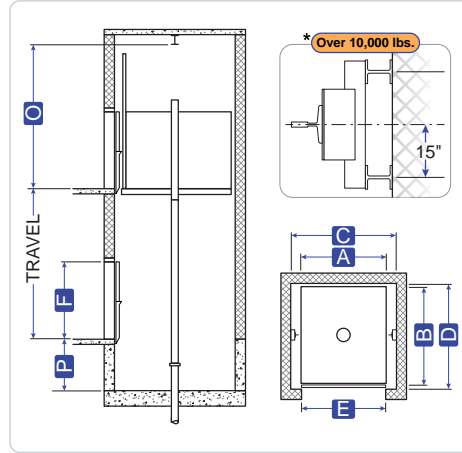
General Note: 1 lb. = 0.454 kg. 1ft² = 9.29 E-2m²



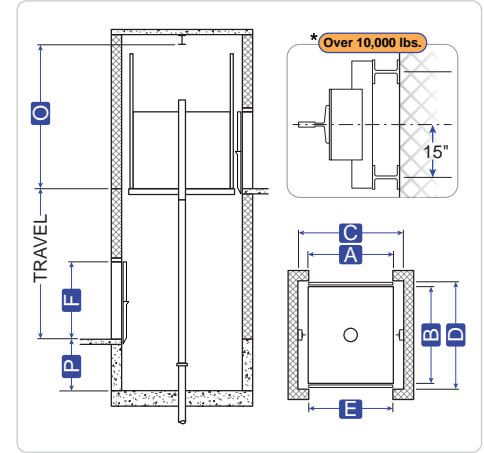
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Single Opening (F)



Double Opening (F/R)



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

E = Clear Door Width
F = Clear Door Height
O = Overhead
P = Pit Depth

R = Door Clearance
R = 5" for Regular Type Doors
R = 6 3/4" for Pass Type Doors

*** Over 10,000 lbs.**
For capacities over 10,000 lbs., rail bracket fastening may require beam support as shown. Hoistway width on each side will need to increase by the width of the rail support beam.

Application Summary

This is the traditional design used for decades. It utilizes a hydraulic jack installed in the ground. The jack is located directly under the car, near the center of the platform.

Advantages

- Usually the lowest material cost application.
- Accommodates front and rear openings in any configuration.
- No extensive pit or overhead is required.
- Available for both low and high capacity cars.
- Of all the application types, this equipment package is the easiest to install.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Pressure Switch
see page 52

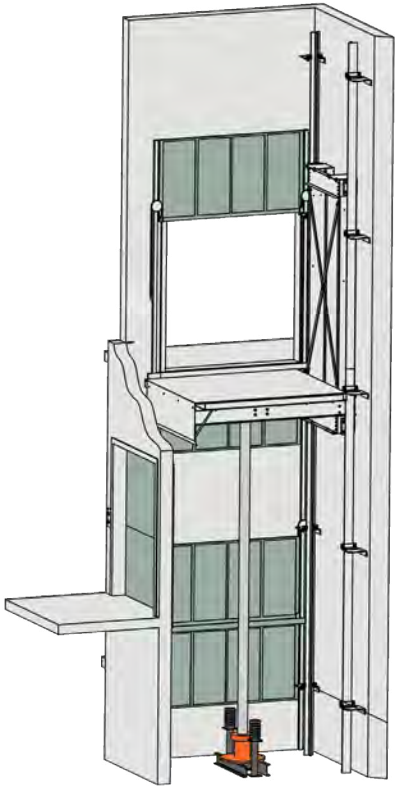
ENGINEERED TO ORDER								
CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES								
Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Front (F) Rear (R)	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate 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"

Notes:

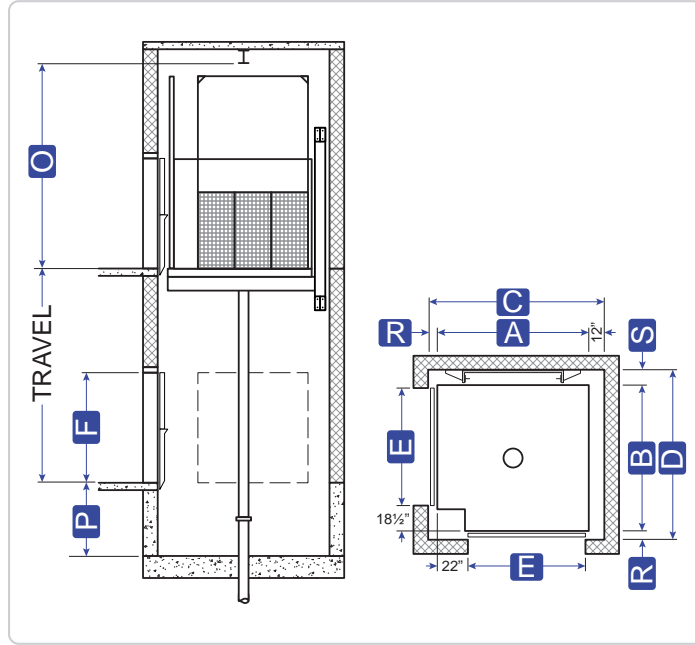
- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.
- Standard Cab Height H = 8'-0"
- Minimum Overhead for Single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



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Double Opening (F/S) - Rear Slung Shown



- A** = Platform Width
- E** = Clear Door Width
- R** = Door Clearance
- B** = Platform Depth
- F** = Clear Door Height
- R** = 5" for Regular Type Doors
- C** = Hoistway Width
- O** = Overhead
- R** = 6 3/4" for Pass Type Doors
- D** = Hoistway Depth
- P** = Pit Depth
- S** = Platform to Wall

Application Summary

This application is used when a side opening is required in addition to a front opening. The rails and brackets are located on one wall of the hoistway. Please note that the dimensions shown are only examples of applications possible. Please call MEI for job-specific dimensions.

Advantages

- Accommodates front and side openings.
- No extensive pit or overhead is required.
- Available for both low and high capacity cars.

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Rear Slung

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"



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



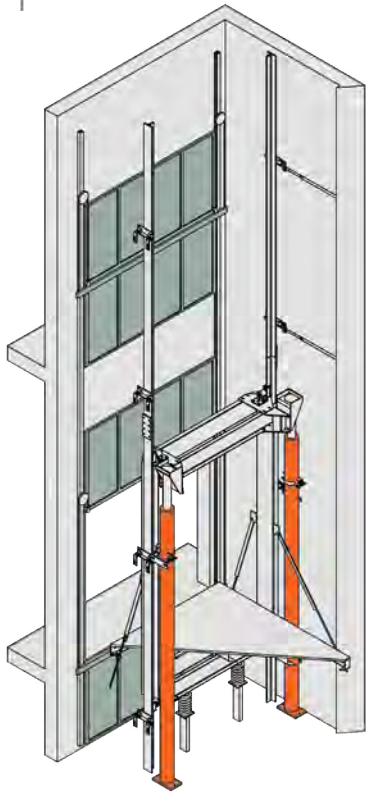
Oil Cooler
(heavy usage) see page 54



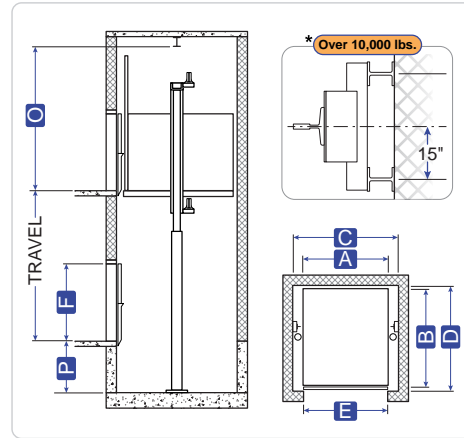
Low Pressure Switch
see page 52



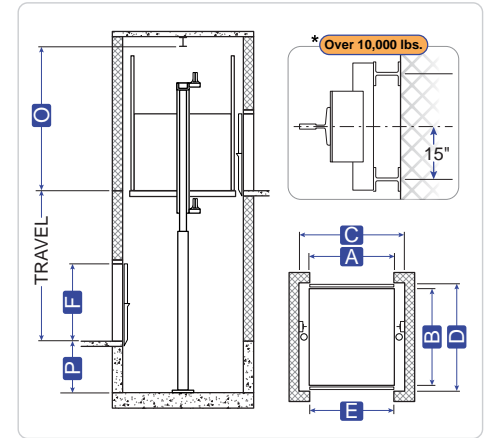
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Single Opening (F)



Double Opening (F/R)



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

E = Clear Door Width
F = Clear Door Height
O = Overhead
P = Pit Depth

R = Door Clearance
R = 5" for Regular Type Doors
R = 6 3/4" for Pass Type Doors

*** Over 10,000 lbs.**
For capacities over 10,000 lbs., rail bracket fastening may require beam support as shown. Hoistway width on each side will need to increase by the width of the rail support beam.

Application Summary

This design utilizes two hydraulic jacks and provides maximum structural stability. The jacks, located on each side of the car, are either single-stage or telescopic. The appropriate jack type is determined by the amount of travel and the project conditions. The single-stage jacks are popular for two-stop arrangements, while telescopic jacks are generally used for three- and four-stop projects.

Advantages

- No jack hole is required. This eliminates the cost of drilling and the risk of oil contamination.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Oil Level Switch
see page 52

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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 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"

Guidelines for determining overhead required:

For 1 Stage Jack

- Car Speed = Up to 150 FPM
- Top Overtravel = 5"
- Bottom Overtravel = 12"
- Pit Depth = 4'-6"
- Cab Height = 8'-0"

For 2 Stage Jack

- Car Speed = Up to 150 FPM
- Top Overtravel = 12"
- Bottom Overtravel = 10"
- Pit Depth = 4'-6"
- 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:

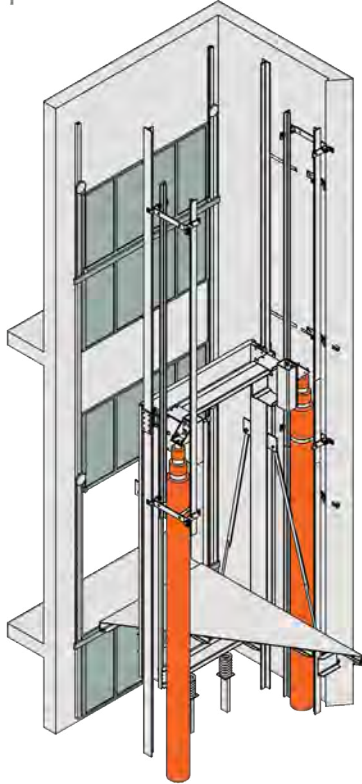
Minimum of 15'-1" overhead required for 26'-8" of travel and under. Add 1/2" to 15'-1" for every additional 1" of travel over 26'-8".

Two Stage Jack with Two Section Gate:

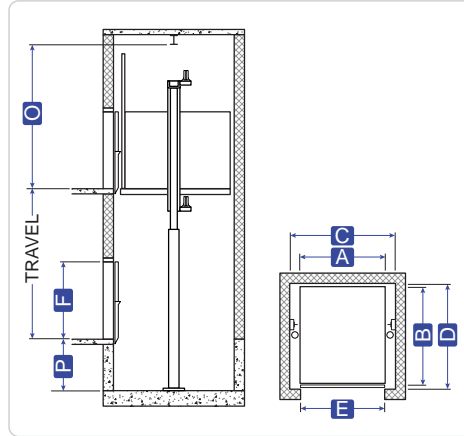
Minimum of 13'-0" overhead required for 22'-6" of travel and under. Add 1/2" to 13'-0" for every additional 1" of travel over 22'-6".



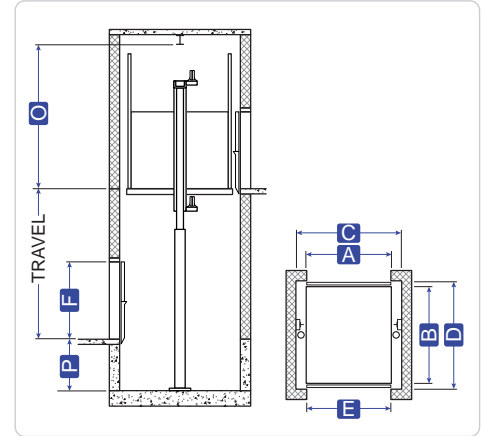
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Single Opening (F)



Double Opening (F/R)



- A** = Platform Width
- B** = Platform Depth
- C** = Hoistway Width
- D** = Hoistway Depth
- E** = Clear Door Width
- F** = Clear Door Height
- O** = Overhead
- P** = Pit Depth
- R** = Door Clearance
- R** = 5" for Regular Type Doors
- R** = 6 3/4" for Pass Type Doors

Application Summary

This design utilizes two hydraulic jacks and provides maximum structural stability. The telescopic jacks are located on each side of the car.

Advantages

- No jack hole is required. This eliminates the cost of drilling and the risk of oil contamination.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.
- Less overhead required than 2 stage holeless.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Oil Level Switch
see page 52

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CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

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"

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"

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"

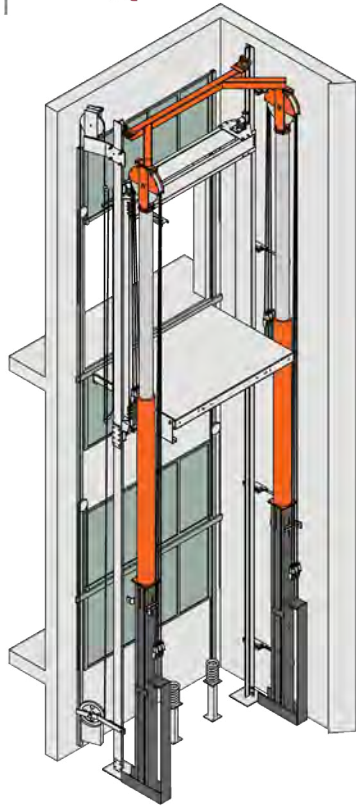
Overhead Requirements:

3 Stage Jack with Single Section Gate:

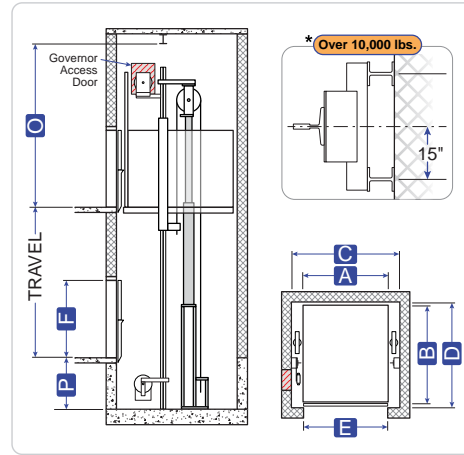
Minimum of 15'-1" overhead required for 38'-9" of travel and under. Add 1/2" for every additional 1" of travel over 38'-8".

3 Stage Jack with Two Section Gate:

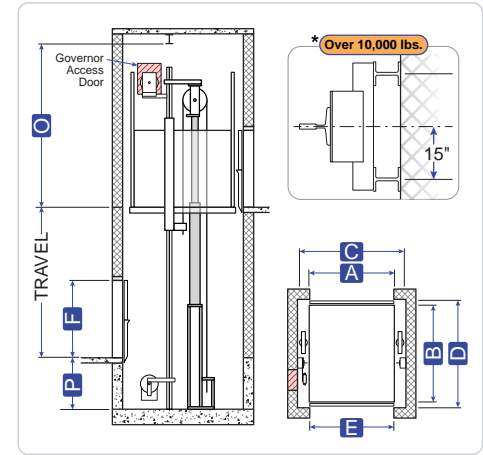
Minimum of 13'-0" overhead required for 32'-0" of travel and under. Add 1/2" to 13'-0" for every additional 1" of travel over 32'-9".



Single Opening (F)



Double Opening (F/R)



- A** = Platform Width
- B** = Platform Depth
- C** = Hoistway Width
- D** = Hoistway Depth
- E** = Clear Door Width
- F** = Clear Door Height
- O** = Overhead
- P** = Pit Depth
- R** = Door Clearance
- R** = 5" for Regular Type Doors
- R** = 6 3/4" for Pass Type Doors
- = Gov. Access Door
Required in New York City and possibly other jurisdictions

*** Over 10,000 lbs.**
For capacities over 10,000 lbs., rail bracket fastening may require beam support as shown. Hoistway width on each side will need to increase by the width of the rail support beam.

Application Summary

This design utilizes wire ropes in conjunction with two hydraulic jacks to lift the car at a 1:2 ratio. For every foot that the jacks rise, the car rises two feet. The use of two jacks, one on each side of the car, provides maximum structural stability.

Advantages

- No jack hole is required and with that there is no risk of oil contamination in the ground.
- Accommodates front and rear openings in any configuration.
- No extensive pit or overhead is required.
- Large platform designs and high capacity projects can be accommodated.



Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.

Recommended Options



Dry Power Unit
(high capacity, heavy usage) see page 49



Oil Cooler
(heavy usage) see page 54



Low Oil Level Switch
see page 52

ENGINEERED TO ORDER

CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

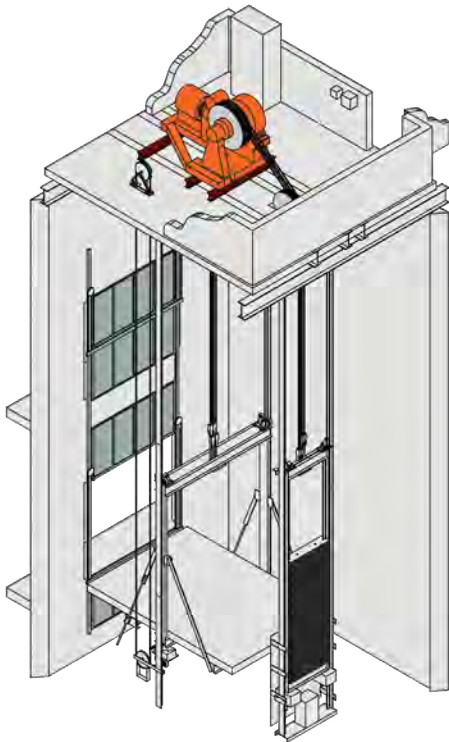
Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Front (F) Rear (R)	Clear Inside With Single Section Gate W x D	Clear Inside With Two Section Gate W x D	Door Width And Height E x F
4000	7'-0" x 8'-0"	9'-0" x 8'-8"	9'-0" x 8'-9 3/4"	4'-6"	F	6'-8" 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" x 12'-8"	12'-10" 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" x 12'-10"	12'-10" 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" x 14'-8"	13'-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" x 14'-10"	13'-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" x 12'-8"	15'-8" 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" x 12'-10"	15'-8" 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'-0" x 16'-8"	16'-0" 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'-0" x 16'-10"	16'-0" 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'-0" x 20'-8"	16'-0" 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'-0" x 20'-10"	16'-0" 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'-0" x 20'-8"	18'-0" 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'-0" x 20'-10"	18'-0" 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:

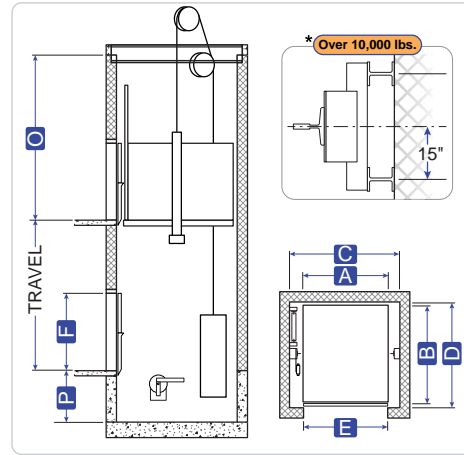
- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.
- Standard Cab Height H = 8'-0"
- Minimum Overhead for Single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



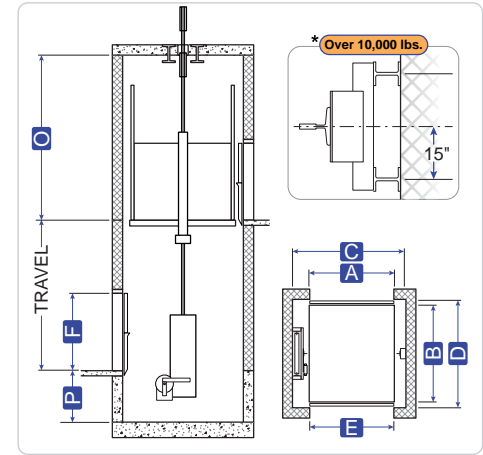
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Single Opening (F)



Double Opening (F/R)



- A** = Platform Width
- B** = Platform Depth
- C** = Hoistway Width
- D** = Hoistway Depth
- E** = Clear Door Width
- F** = Clear Door Height
- OP** = Overhead
- P** = Pit Depth
- R** = Door Clearance
- RR** = 5" for Regular Type Doors
- RR** = 7" for Pass Type Doors

*** Over 10,000 lbs.**
For capacities over 10,000 lbs., rail bracket fastening may require beam support as shown. Hoistway width on each side will need to increase by the width of the rail support beam.

Application Summary

This design utilizes a geared machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side or at the rear. The geared machine, along with the related drive equipment, is generally located above the hoistway in a penthouse machine room. In some limited situations, it can be located next to the hoistway at a lower landing. This latter arrangement is referred to as a basement traction.

Advantages

- No risk of oil contamination to the ground.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.
- Nearly unlimited floor travel is possible.
- Has greater power efficiency than hydraulic applications.
- Allows significantly higher car speeds than hydraulic designs.

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Cap. (lbs)	Platform A x B	Hoistway With Power Regular Type Doors C x D	Hoistway With Power Pass Type Doors C x 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'-7" 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'-7" 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"	12'-11" 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'-1" 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'-6" 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.

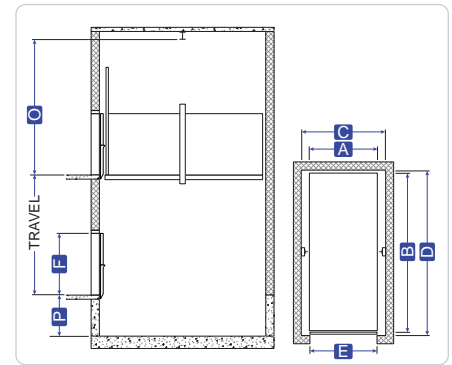
- 225 FPM = add 6" of overhead & 5" of pit depth
- 250 FPM = add 7" of overhead & 5" of pit depth
- 300 FPM = add 8" of overhead & 5" of pit depth
- 350 FPM = add 10" of overhead & 6" of pit depth



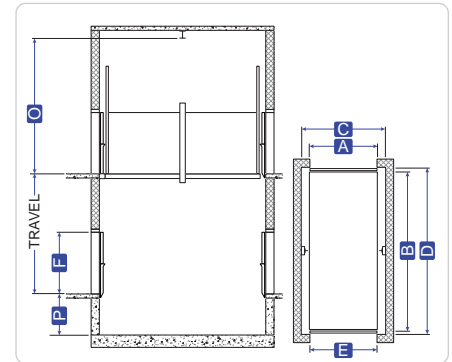
Code year adoptions, local code variations, customer options and specifications may affect the hoistway size. Verify all dimensions with MEI prior to construction.



Single Opening (F)



Double Opening (F/R)



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

E = Clear Door Width
F = Clear Door Height
O = Overhead
P = Pit Depth

R = Door Clearance
R = 5" for Regular Type Doors
R = 7" for Pass Type Doors

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CONTACT MEI FOR SIZES OR CAPACITIES OUTSIDE LISTED RANGES

Cap. (lbs)	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	Min. Overhead With One Section Gate	Max. Speed FPM
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In-Ground

8000	9'-4" x 21'-8"	11'-0" x 22'-4"	11'-0" x 22'-6"	4'-6"	F	9'-0" x 21'-3"	9'-0" x 21'-0 1/2"	9' x 9'	14'-7"	150
8000	9'-4" x 21'-8"	11'-0" x 22'-6"	11'-0" x 22'-10"	4'-6"	F/R	9'-0" x 21'-2"	9'-0" x 20'-9"	9' x 9'	14'-7"	150
10000	10'-4" x 23'-0"	12'-0" x 23'-8"	12'-0" x 23'-10"	4'-6"	F	10'-0" x 22'-7"	10'-0" x 22'-4 1/2"	10' x 9'	14'-7"	150
10000	10'-4" x 23'-0"	12'-0" x 23'-10"	12'-0" x 24'-2"	4'-6"	F/R	10'-0" x 22'-6"	10'-0" x 22'-1"	10' x 9'	14'-7"	150

Twin Jack Holeless, 1 & 2-Stage | *For 2-Stage: add 2" to hoistway width and 6" to overhead (see page 43 for more overhead requirements)

8000	9'-4" x 21'-8"	*11'-4" x 22'-4"	*11'-4" x 22'-6"	4'-6"	F	9'-0" x 21'-3"	9'-0" x 21'-0 1/2"	9' x 9'	14'-7"	150
8000	9'-4" x 21'-8"	*11'-4" x 22'-6"	*11'-4" x 22'-10"	4'-6"	F/R	9'-0" x 21'-2"	9'-0" x 20'-9"	9' x 9'	14'-7"	150
10000	10'-4" x 23'-0"	*12'-4" x 23'-8"	*12'-4" x 23'-10"	4'-6"	F	10'-0" x 22'-7"	10'-0" x 22'-4 1/2"	10' x 9'	14'-7"	150
10000	10'-4" x 23'-0"	*12'-4" x 23'-10"	*12'-4" x 24'-2"	4'-6"	F/R	10'-0" x 22'-6"	10'-0" x 22'-1"	10' x 9'	14'-7"	150

Twin Jack Holeless, 3-Stage (see page 44 for more overhead requirements)

8000	9'-4" x 21'-8"	11'-10" x 22'-4"	11'-10" x 22'-6"	4'-6"	F	9'-0" x 21'-3"	9'-0" x 21'-0 1/2"	9' x 9'	15'-1"	150
8000	9'-4" x 21'-8"	11'-10" x 22'-6"	11'-10" x 22'-10"	4'-6"	F/R	9'-0" x 21'-2"	9'-0" x 20'-9"	9' x 9'	15'-1"	150
10000	10'-4" x 23'-0"	12'-10" x 23'-8"	12'-10" x 23'-10"	4'-6"	F	10'-0" x 22'-7"	10'-0" x 22'-4 1/2"	10' x 9'	15'-1"	150
10000	10'-4" x 23'-0"	12'-10" x 23'-10"	12'-10" x 24'-2"	4'-6"	F/R	10'-0" x 22'-6"	10'-0" x 22'-1"	10' x 9'	15'-1"	150

Twin Jack Roped

8000	9'-4" x 21'-8"	12'-0" x 22'-4"	12'-0" x 22'-6"	4'-6"	F	9'-0" x 21'-3"	9'-0" x 21'-0 1/2"	9' x 9'	14'-7"	150
8000	9'-4" x 21'-8"	12'-0" x 22'-6"	12'-0" x 22'-10"	4'-6"	F/R	9'-0" x 21'-2"	9'-0" x 20'-9"	9' x 9'	14'-7"	150
10000	10'-4" x 23'-0"	14'-0" x 23'-8"	14'-0" x 23'-10"	5'-6"	F	10'-0" x 22'-7"	10'-0" x 22'-4 1/2"	10' x 9'	14'-7"	150
10000	10'-4" x 23'-0"	14'-0" x 23'-10"	14'-0" x 24'-2"	5'-6"	F/R	10'-0" x 22'-6"	10'-0" x 22'-1"	10' x 9'	14'-7"	150

Traction, Low Rise Geared

8000	9'-4" x 21'-8"	11'-9" x 22'-4"	11'-9" x 22'-6"	6'-0"	F	9'-0" x 21'-3"	9'-0" x 21'-0 1/2"	9' x 9'	19'-0"	250
8000	9'-4" x 21'-8"	11'-9" x 22'-6"	11'-9" x 22'-10"	6'-0"	F/R	9'-0" x 21'-2"	9'-0" x 20'-9"	9' x 9'	19'-0"	250
10000	10'-4" x 23'-0"	12'-9" x 23'-8"	12'-9" x 23'-10"	6'-0"	F	10'-0" x 22'-7"	10'-0" x 22'-4 1/2"	10' x 9'	19'-0"	225
10000	10'-4" x 23'-0"	12'-9" x 23'-10"	12'-9" x 24'-2"	6'-0"	F/R	10'-0" x 22'-6"	10'-0" x 22'-1"	10' x 9'	19'-0"	225

Standard Manufacturing Lead Time
 SS-29, SS-88, SS-88 Tall = 7-10 Days
 All Other Power Unit Sizes = 3-6 Weeks
 Expedited Manufacturing Available

Advantages

- Cost Effective
- Attractive Compact Design
- All Components are Located in the Tank
- Shortest Lead Times

Standard Equipment

- Lincoln Motor / Maxton Valve / IMO Pump
- 80 Starts Per Hour Motor
- Compact Silencer with Pneumatic Noise Suppression
- Oil Level Dip Stick
- Isolation Between the Pump/Motor Assembly and the Tank
- Oil Temperature Sensor (ASME 2010 Code Only)

Optional Features

- Loadweigh Sensor
- Tank Heater
- Thermostat
- Oil Level Sight Gauge with Thermometer (*on tank*)
- Pressure Gauge (*mounted on valve*)
- Low Oil Level Switch (*in tank*)
- Low Pressure Switch (*required if jack head is above power unit*)
- Hot Oil Sensor
- Oil Cooler
- Vent/Fill Strainer
- Down Speed Regulated Valve
- 120 Starts Per Hour Available (*up to 40 HP*)
- Overflow Connection
- Junction Box
- Power Unit Installation Kit
- **Extended 3 Year Warranty Available**



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Power Unit Sizes

Model	Width	Depth	Height	Motors	Transferable Oil
SS-29	41"	20-3/4"	38"	Single	35 gal.
SS-88	51"	24-3/4"	47"	Single	87 gal.
SS-88 Tall	51"	24-3/4"	53"	Single	116 gal.
ST-109	51"	34"	50-7/8"	Single or Tandem	128 gal.
ST-109 Tall	51"	34"	56-3/8"	Single or Tandem	168 gal.
ST-200	63"	34"	55-5/8"	Single or Tandem	202 gal.
ST-200 Tall	63"	34"	61-5/8"	Single or Tandem	253 gal.

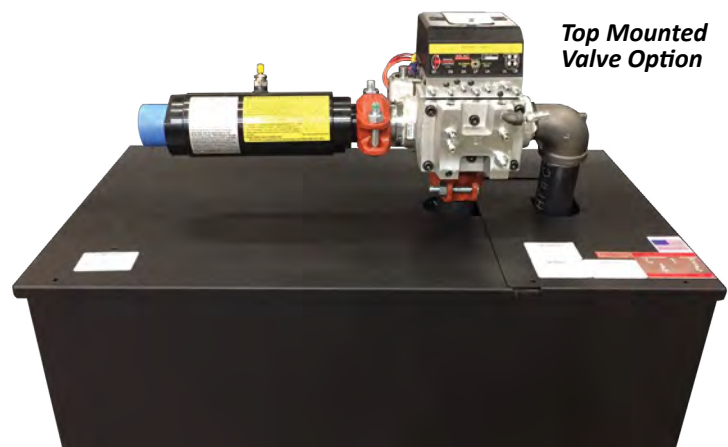
Custom Tank Sizes Available

Power Unit Installation Kit



Everything you need in one convenient kit

See page 53 for more information



Top Mounted Valve Option

Standard Manufacturing Lead Time = 4-6 Weeks
Expedited Manufacturing Available

Advantages

- High Reliability and Longer Motor Life
- Cooling of the Motor with Air Rather than Oil
- Easy Serviceability
- Larger Available Capacities
- Higher HP Availability (up to 100 HP)
- Accurate Speed Control



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Standard Equipment

- Imperial Motor / Maxton Valve / IMO Pump
- Up to 2 Motors Per Tank - 80 Starts Per Hour
- Compact Silencer with Pneumatic 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)

Optional Features

- 120 Starts Per Hour Available (*up to 75 HP*)
- Tank Heater
- Loadweigh Sensor
- Thermostat
- Pressure Gauge (*mounted on valve*)
- Low Oil Level Switch (*in tank*)
- Low Pressure Switch (*required if jack head is above power unit*)
- Hot Oil Sensor
- Oil Cooler
- Vent/Fill Strainer
- Down Speed Regulated Valve
- Drain Valve
- Over Flow Connection
- Caster Wheels
- Power Unit Installation Kit
- **Extended 3 Year Warranty Available**



Power Unit Sizes

Model	Width	Depth	Height	Motors	Transferable Oil
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-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

Dry Power Units Can be Shipped Disassembled for Easier Installation



Easily maneuver the power unit with Caster Wheels!

Part No. **24321** (set of 4)

MEI Power Unit Advantages

- Quoting within minutes
- Friendly and responsive customer service
- Competitive lead time
- Quality certified welding
- Every tank is leak tested
- Tanks constructed from 12 ga sheet steel
- MEI air bladder silencer - reduces noise in elevator
- Under tank isolation pads - reduces vibration in machine room
- Tank design prevents oil canning
- Victaulic fittings

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Registration is free and access is immediate!

Visit www.meiusa.com and click on the "Go Configure!" button, then click on the "Sign Up Now" link!

Or contact a sales representative for a quote today!

Ph: **800-450-3060** Fax: 507-245-4198

or e-mail powerunitsales@meiusa.com

Go Configure!

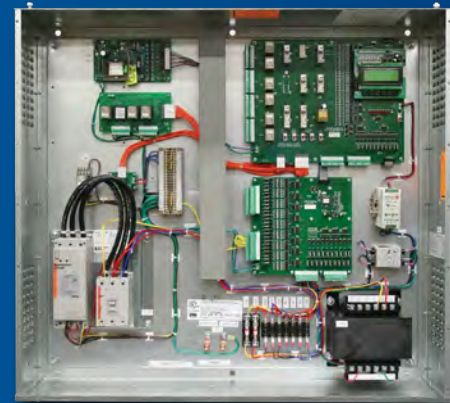
Look for the "Go Configure!" button on our website.

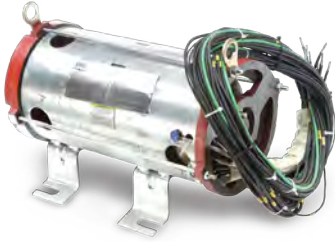


PARTS & TOOLS



Power Unit Parts **51-53**
 Oil Coolers **54-56**
 Silencer/Muffler **57**
 Piping Accessories **58-60**
 Limit Switches **61**
 Pit Equipment & Car Top Station **62**
 Installation & Maintenance Tools **63-67**
 Miscellaneous Elevator Accessories **68**
 Rails & Accessories **69**
 Rail Guides **70-71**
 Vertitron Control Systems **72-75**





Submersible Motors

HP	Phase	SPH	200 Volt Part No.	230/460 Volt Part No.	575 Volt Part No.
15/10	3	80/120	24727	24728	24729
20/15	3	80/120	24730	24731	24732
25/20	3	80/120	24733	24734	24735
30/25	3	80/120	24736	24737	24738
40/30	3	80/120	24739	24740	24741
50/40	3	80/120	24742	24743	24744



Dry/Belt-Driven Motors (Imperial)

HP	Phase	SPH	200 Volt Part No.	230/460 Volt Part No.	575 Volt Part No.
20/15	3	80/120	21729	21730	N/A
25/20	3	80/120	21732	21733	N/A
30/25	3	80/120	21735	21736	N/A
40/30	3	80/120	21738	21739	21740
50/40	3	80/120	21741	21742	21743
60/50	3	80/120	21744	21745	21746
75/60	3	80/120	21747	21748	21749
100/75	3	80/120	N/A	21750	21751



Submersible Pumps (IMO)

Part No.	Pump	GPM	Part No.	Pump	GPM
16945	40 USNP 49	24	16950	A4PIC-217P	96
15728	80 USNP 36	32	16951	A4PIC-217M	104
15729	80 USNP 42	38	16952	A4PIC-217	121
22883	A4PIC-187AJ	50	16953	A4PIC-236G	141
16946	A4PIC-187Y	55	16954	A4PIC-236	159
16947	A4PIC-187P	60	16955	A4PIC-236AS	185
16948	A4PIC-187M	66	21958	A4PIC-276P	200
16949	A4PIC-187	76	21957	A4PIC-276G	230
16956	A4PIC-217Y	86	21956	A4PIC-276	253



Dry/Belt-Driven Pumps (IMO)

Part No.	Pump Description	GPM (Max.)
2064	G3D-187	100
2065	G3D-218	148
2066	G3D-250	190
2067	G3D-275	220
2068	G3D-312	295



Control Valves (Maxton) without coils

Part No. 115 VAC	Part No. 230 VAC	Part No. 115 VDC	Valve	GRV
25016-001	25017-001	25018-001	UC1-A	2 1/2"
25016-002	25017-002	25018-002	UC2-A	2 1/2"
25016-003	25017-003	25018-003	UC4	2"
25016-004	25017-004	25018-004	UC4-E1	2"
25016-005	25017-005	25018-005	UC4-E2	2"
25016-006	25017-006	25018-006	UC4M	2"
25016-007	25017-007	25018-007	UC4M-E1	2"
25016-008	25017-008	25018-008	UC4M-E2	2"
25016-009	25017-009	25018-009	UC4MR	2"
25016-010	25017-010	25018-010	UC4MR-E2	2"

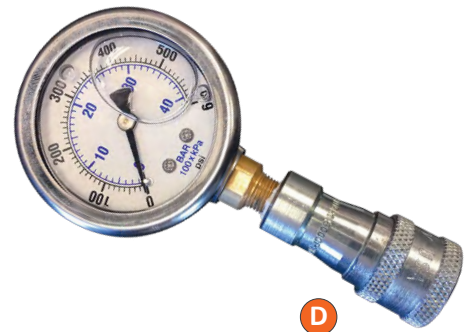


Control Valve Coils (Maxton) 4 Needed Per Valve

Part No.	Description
4558	Coil 115V AC Maxton (Red)
4559	Coil 115V DC Maxton (Black)
4493	Coil 230V AC Maxton (Green)

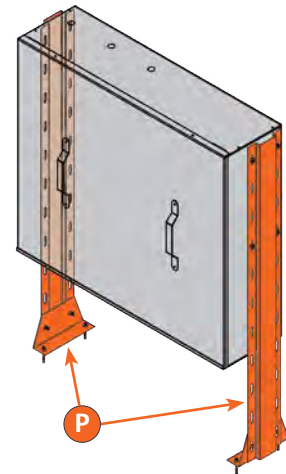
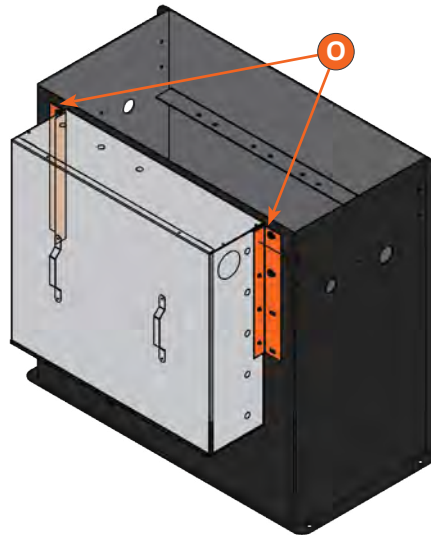
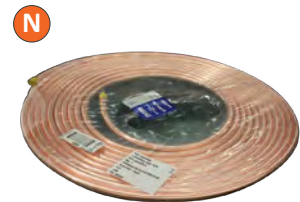
Power Unit Accessories

Item	Part No.	Description
A	5448	Low Oil Level Switch (in tank)
B	12642	Low Pressure Switch (required if jack head is above power unit)
C	1889	Tank Heater
D	24527	Pressure Gauge - 600 PSI (mounted on control valve)
E	1655	Oil Level Sight Gauge with Thermometer (on tank)
F	13639	Vent/Fill Strainer
G	19475	Thermostat
H	23069	Hot Oil Sensor
I	22048-001	Loadweigh Switch PSW-807 (130 - 500 PSI)
I	22048-002	Loadweigh Switch PSW-808 (250 - 600 PSI)
J	see below	1972 - Item H with 2" GRV Pipe
J	see below	1974 - Item H with 3" GRV Pipe
J	see below	1976 - Item H with 4" GRV Pipe



Power Unit Accessories

Item	Part No.	Description
J	24300-003	SS29 - SS88 Frame to Floor Isolation (4 Pads)
J	24300-004	SS88T - ST109 - ST109T Frame to Floor Isolation (4 Pads)
J	24300-005	ST200 - ST200T Frame to Floor Isolation (4 Pads)
K	10248	Oil Cooler - AOC (see page 54 for more information)
L	20856	Oil Cooler - BOL (see page 55 for more information)
M	25088	MEI-Wagner Oil Return Pump with Flood Control - 100' Lift - Plastic Tube Check Valve
N	17015	Copper Tubing Kit for Oil Return Pump (50' Tubing with Fittings)
O	22371	Controller Field Mounting Kit (Tank)
P	24432	Controller Field Mounting Kit (Floor)



(kit accommodates 2" or 3" oil lines)

Power Unit Installation Kit

MEI's Power Unit installation kit has you covered with everything you will need... oil line fittings to electrical supplies that allows you to successfully complete your power unit installation.

- No more trips away from the jobsite to gather materials
- One stop shop instead of ordering through multiple vendors
- Reduction in elevator downtime
- Improves field efficiencies
- Improves profitability
- All items come conveniently shipped inside your new power unit

Simply ask for MEI's job specific installation kit with your next power unit order.

For a complete list of materials, please contact MEI.



Extend the Life of your Hydraulic Elevator System!

Avoid hot oil problems like nuisance shutdowns, leveling problems, and oil odor by installing the MEI AOC Oil Cooler.

Benefits

- Smoother stops and starts
- Extended component life
- Fewer shutdowns
- Overall performance improvement
- Filters oil

Recommended Applications

- Twin jack holeless applications with two- or three-stage telescopic jacks.
- Heavily used single-stage twin jack holeless projects.
- Roped hydraulic applications with moderate usage and travel exceeding 25 feet.
- Any hydraulic elevator with high usage.

Specifications:

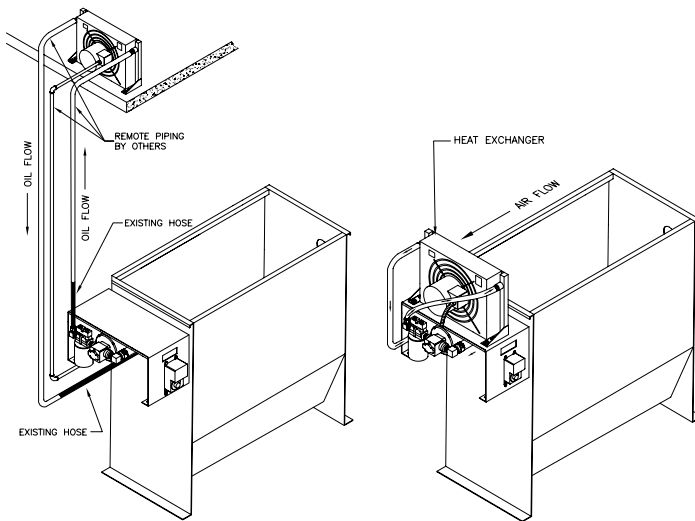
- Heat removal: **17,500 BTU/hr @ 40°F temp delta**
- 3/4 HP, 115 VAC, 1 phase, 7.2 FLA pump motor
or 208-230 VAC, 1 phase, 3.6 FLA pump motor
- 1/2 HP, 115VAC, 1 phase, 3.6 FLA 1900 CFM fan motor
or 208-230 VAC, 1 phase, 1.4 FLA 1900 CFM fan motor
- 8 GPM, 75 PSI cast iron pump
- Weighs approximately 140 lbs
- Adjustable thermostat control
- 80db at 3 ft.
- Electrical requirement, 115 or 208 VAC, 1 phase, 20amp separate circuit
- 10 micron filter in hydraulic oil line
- Filter head with sight gauge to indicate when the filter needs to be changed
- Heavy gauge frame construction
- Includes all fittings and hardware needed for adjacent-mount installation
- Includes instructions for installation

How it Works

The Oil Cooler can be mounted to the power unit or located in a remote location*. When the oil temperature in the reservoir reaches a preset limit, it is circulated through the radiator. This process reduces the oil temperature by nearly 40°F, depending on site conditions. The oil is also filtered as it runs through the system, which results in enhanced performance and extended component life. The filter head has a sight gauge to indicate when the filter needs to be changed.

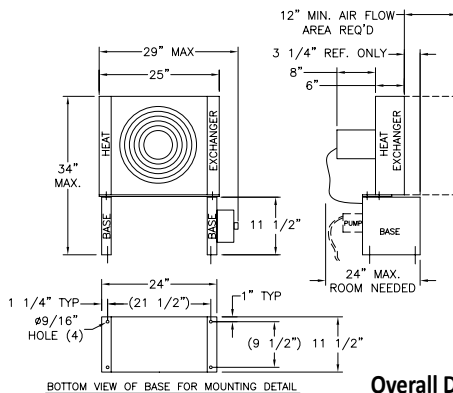
*Remote location must be within 110 feet horizontally or 55 feet vertically from the power unit. Piping, wiring, and conduit to remote location are not included.

- MEI recommends our Cold Weather Kit (Part No. **19919**) when your heat exchanger is installed where the temperature gets below 50°F.



Remote Mount

Direct Mount



Overall Dimensions

This is MEI's Standard Oil Cooler

Extend the Life of your Hydraulic Elevator System!

Avoid hot oil problems like nuisance shutdowns, leveling problems, and oil odor by installing the MEI BOL Oil Cooler.

Designed to be mounted in a remote location in order to connect to the duct/ventilation system of the building.

Benefits

- Smoother stops and starts
- Extended component life
- Fewer shutdowns
- Overall performance improvement
- Filters oil

Recommended Applications

- Twin jack holeless applications with two- or three-stage telescopic jacks.
- Heavily used single-stage twin jack holeless projects.
- Roped hydraulic applications with moderate usage and travel exceeding 25 feet.
- Any hydraulic elevator with high usage.

Specifications

- Heat removal: **21,600 BTU/hr @ 40°F temp delta**
- ¼ HP, 115 VAC, 1 phase, 7.2 FLA pump motor or 208-230 VAC, 1 phase, 3.6 FLA pump motor
- ½ HP, 115 VAC, 1 phase, 3.7 FLA 1425 CFM fan motor or 208-230 VAC, 1 phase, 2.2 FLA 1425 CFM fan motor
- 8 GPM, 75 PSI cast iron pump
- Weighs approximately 145 lbs
- Adjustable thermostat control
- 80db at 3 ft.
- Electrical requirement, 115 or 208 VAC, 1 phase, 20amp separate circuit
- 10 micron filter in hydraulic oil line
- Filter head with sight gauge to indicate when the filter needs to be changed
- Heavy gauge frame construction
- Includes all fittings and hardware needed for ventilation duct mount installation
- Includes instructions for installation

How it Works

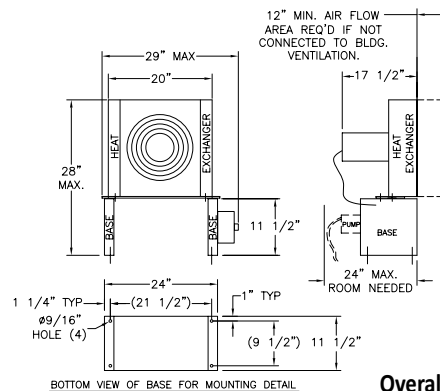
This Oil Cooler is designed to be mounted in a remote location* in order to connect to the duct/ventilation system of the building. When the oil temperature in the reservoir reaches a preset limit, it is circulated through the radiator. This process reduces the oil temperature by nearly 40°F, depending on site conditions. The oil is also filtered as it runs through the system, which results in enhanced performance and extended component life. The filter head has a sight gauge to indicate when the filter needs to be changed.

*Remote location must be within 110 feet horizontally or 55 feet vertically from the power unit. Piping, wiring, and conduit to remote location are not included.

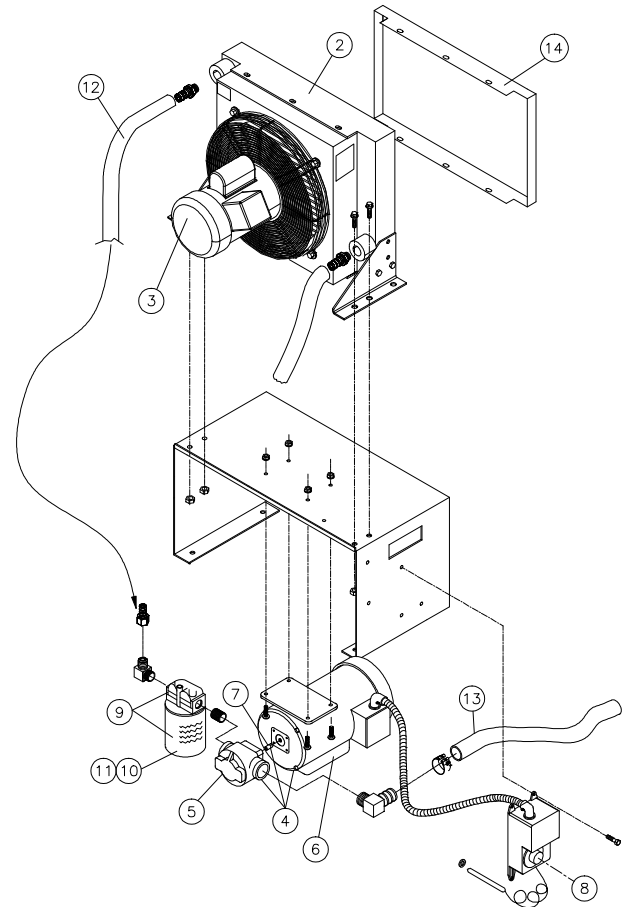
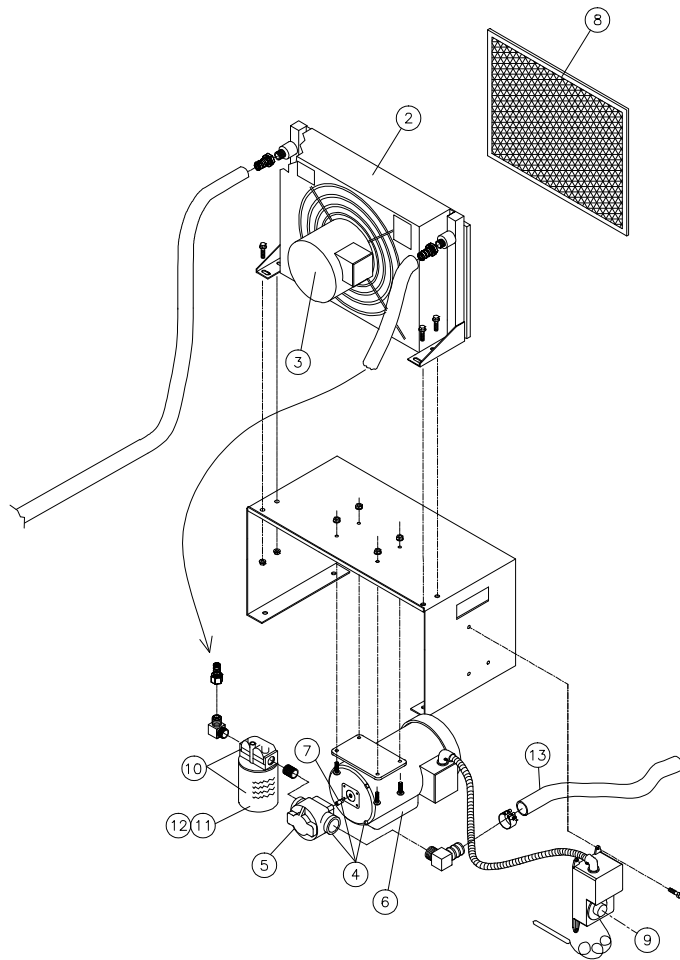
- MEI recommends our Cold Weather Kit (Part No. 19919) when your heat exchanger is installed where the temperature gets below 50°F.



Typical Installation Shown



Overall Dimensions



AOC - Oil Cooler Parts

Item	Part No.	Description
	10248	Complete Oil Cooler Assembly - AOC (Direct or Remote Mount)
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	19475	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

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	19475	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

Extend the Life of your Hydraulic Elevator System!

The MEI Silencer is an in-line device that reduces the noise and vibration of any hydraulic power unit (similar to the muffler on an automobile).

Reduced Pulsations = Reduced Noise, Leakage, and Component Wear.

Pump pulsations cause vibrations. Transmitted by the piping throughout the system, vibrations cause noise, leakage, and early component failure. When the MEI Silencer stops the pulsations, it stops the source of the vibrations. This improves system performance and reduces service calls, pleasing your client and improving your reputation.

Benefits

- 40-60% reduction in system noise and vibration
- Extended component life
- Fewer leaks
- Lower long-term system maintenance costs
- Smoother system operation

How it Works

Hydraulic pulsations (noise) enter the silencer and go through three different noise baffles or diffusers. After passing through these baffles, the pulsations then strike a rubber tube, or bladder, charged with air to 35% to 50% of the hydraulic operating pressure. Hit by a pulsation, the bladder deflects slightly, reducing the size of the pulsation and therefore, the noise.

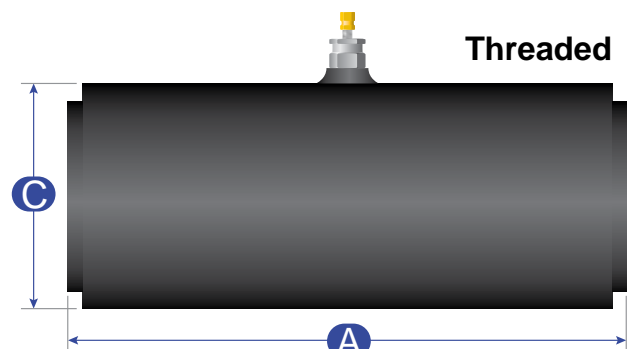
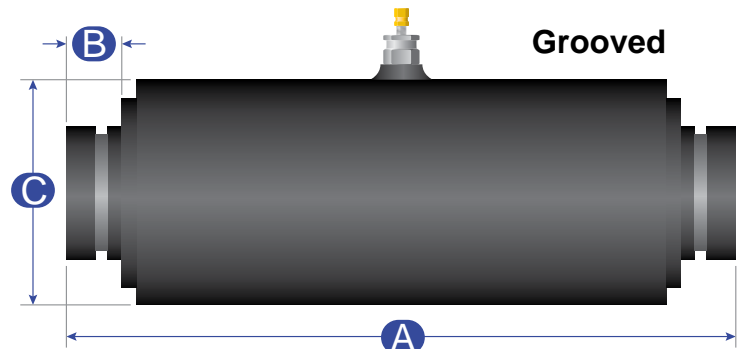
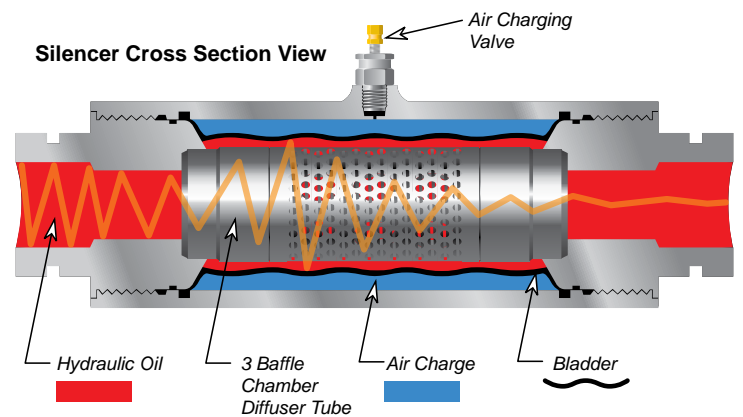
Recommended Applications

- Dry or submersible hydraulic power units for all hydraulic elevator car types.

Part No.	Description	A	B	C
19316	Silencer 2" GRV x 2" GRV (100 max. GPM)	13 1/4"	1 1/4"	3 7/8"
19317	Silencer 2" GRV x 2" GRV (220 max. GPM)	13 1/4"	1 1/4"	4 5/8"
19318	Silencer 2 1/2" GRV x 2 1/2" GRV (325 max. GPM)	13 1/4"	1 1/4"	4 5/8"
19319	Silencer 3" GRV x 2 1/2" GRV (350 max. GPM)	13 1/4"	1 1/4"	4 5/8"
19320	Silencer 3" GRV x 3" GRV (350 max. GPM)	13 1/4"	1 1/4"	4 5/8"
19321	Silencer 2 1/2" THD x 2 1/2" THD (300 max. GPM)	10 1/2"	NA	4 5/8"
2530	Silencer 2" THD x 2" THD (220 max. GPM)	10 1/2"	NA	4 5/8"
19315	Valve Stem Retrofit Kit			



**Step-by-Step
Silencer Charging
Video**





Standard Flexible



Zero Flex Rigid

Couplings - Grooved

Part No.	Description (Grooved Victaulic)
23483-001	2" GRV 750 PSI 107H Zero Flex Rigid
3206	2" GRV 1000 PSI 77 Standard Flexible
23483-002	2 1/2" GRV 750 PSI 107H Zero Flex Rigid
3205	2 1/2" GRV 1000 PSI 77 Standard Flexible
23483-003	3" GRV 750 PSI 107H Zero Flex Rigid
3207	3" GRV 1000 PSI 77 Standard Flexible
23483-004	4" GRV 750 PSI 107H Zero Flex Rigid
3209	4" GRV 1000 PSI 77 Standard Flexible

Isolation Couplings

Part No.	Description (Grooved)
13608	Isolation Coupling 2" 1000 PSI
14390	Isolation Coupling 3" 1000 PSI
3196	Isolation Coupling 4" 1000 PSI

Part No.	Description (Threaded)
10291	Isolation Coupling 2" 1000 PSI
10316	Isolation Coupling 3" 1000 PSI



Elbows

Part No.	Description (Grooved)
3214	Elbow (90) 2" GRV x 2" GRV
3213	Elbow (90) 2 1/2" GRV x 2 1/2" GRV
3215	Elbow (90) 3" GRV x 3" GRV

Part No.	Description (Threaded)
19602	Elbow (90) 2" THD x 2" THD (ASME B16.11)
19603	Elbow (90) 3" THD x 3" THD (ASME B16.11)



"Y" Strainers

Part No.	Description
2166	"Y" Strainer THD Steel 2" 600 with Magnet
2182	"Y" Strainer THD Steel 3" 600 with Magnet
3180	"Y" Strainer Flanged Steel 4" 300 with Magnet 740 PSI

Unions

Part No.	Description
19611	Union 2" THD (MSS SP83) use with ASME B16.11
19612	Union 3" THD ASME B16.11





Couplings - Threaded

Part No.	Description (Threaded)
14778	2" THD Class 300
19608	2" THD ASME B16.11
21126	2 1/2" THD ASME B16.11
10319	3" THD Class 300
19609	3" THD ASME B16.11
19610	4" THD ASME B16.11



Rupture Valves

Part No.	Description (Grooved)
21943	Valve Rupture 2" GRV x GRV Maxton OSV STD (OSV STD (100-300 GPM))
21944	Valve Rupture 2" GRV x GRV Maxton OSV E1 (20-100 GPM)
22922	Valve Rupture 3" GRV x GRV Maxton OSV STD (100-300 GPM)
5086	Valve Rupture 3" GRV x GRV with Pilot Port



Part No.	Description (Threaded)
21945	Valve Rupture 2" THD x THD Maxton OSV STD (100-300 GPM)
21946	Valve Rupture 2" THD x THD Maxton OSV E1 (20-100 GPM)
16558	Valve Rupture 3" THD x THD



Tee Fittings

Part No.	Description (Grooved)
7035	Tee 2" GRV
7034	Tee 2 1/2" GRV
7036	Tee 3" GRV
7037	Tee 4" GRV

Part No.	Description (Threaded)
11474	Tee 2" THD x THD x THD
19605	Tee 2" THD x THD x THD (ASME B16.11)
14394	Tee 3" THD x THD x THD Class 300
19606	Tee 3" THD x THD x THD x (ASME B16.11)



Pipe Stands & Clamps

Part No.	Description
22104-001	Pipe Stand Kit 2" Pipe
22104-002	Pipe Stand Kit 3" Pipe
22104-003	Pipe Stand Kit 4" Pipe
7777	Pipe Assembly Clamp for 2" Pipe (Strut Clamp with Isolation)
7776	Pipe Assembly Clamp for 3" Pipe (Strut Clamp with Isolation)
17316	Pipe Assembly Clamp for 4" Pipe (Strut Clamp with Isolation)
22023	Pipe Stand Base



Shut-Off Valves

Part No.	Part Description	Pipe Size	Grooved (GRV) or Threaded Pipe (THD)	PSI
11558	Shut-Off Valve - Carbon Steel with Handle	2"	GRV	1000
7006	Shut-Off Valve - Carbon Steel with Handle	2"	THD	2000
11559	Shut-Off Valve - Carbon Steel with Handle	3"	GRV	1000
7004	Shut-Off Valve - Carbon Steel with Handle	3"	THD	1000
11560	Shut-Off Valve - Carbon Steel with Handle	4"	GRV	750



Reducers

Part No.	Description
7028	Reducer 2 1/2" GRV x 2" THD
7017	Reducer 2 1/2" GRV x 2" GRV
20470	Reducer 2 1/2" THD x 2" THD 300#
7018	Reducer 2" GRV x 1 1/2" GRV
7027	Reducer 2" GRV x 1 1/2" THD
12362	Reducer 3" Female THD x 2 1/2" Female
7019	Reducer 3" GRV x 2 1/2" GRV
7020	Reducer 3" GRV x 2" GRV
19551	Reducer 3" THD x 2 1/2" THD 300#
21125	Reducer 3" THD x 2 1/2" THD (B16.11)
7021	Reducer 4" GRV x 2 1/2" GRV
7022	Reducer 4" GRV x 3" GRV

MEI recommends the use of
X-Pando Pipe Sealant on threaded joints.
Part No. 22154



Pipe (10'-6" Sections Grooved on Both Ends)

Part No.	Description
3302	2" Schedule 40 ERW A 53 Grade B
3336	2" Schedule 80 ERW A 53 Grade B
3304	3" Schedule 40 ERW A 53 Grade B
3338	3" Schedule 80 ERW A 53 Grade B
3305	4" Schedule 40 ERW A 53 Grade B
3339	4" Schedule 80 ERW A 53 Grade B

Quality You Can't Hear

MEI's solid design and manufacturing feature a soft rubber wheel that results in very quiet cam operation.

Reliability You Can Count On

MEI limit switches come pre-wired from the factory and are CSA certified, meeting ANSI requirements. Built-in contact wiper enhances long-term performance.

Don't Let Our Low Price Fool You

Top quality components at competitive pricing make the MEI switch an even better value.

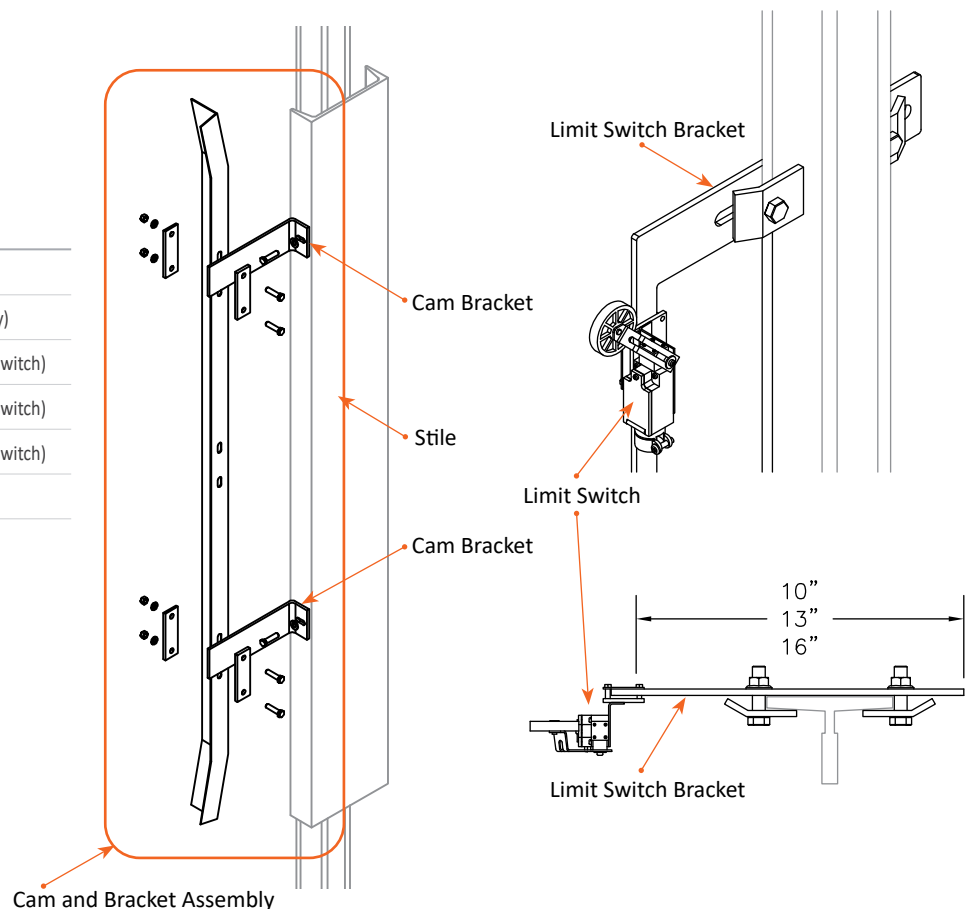
Compatible Design for Replacement Application

- 2 sets of contacts: 1-NO and 1-NC
- Direct replacement for other major manufacturer's switches
- Easy adjustment



Call Now! A technical representative can provide more information on how easy it is to modernize with new limit switches from MEI.

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)
21149	Limit Switch Bracket Assembly Single 10" (with switch)
14727	Limit Switch Bracket Assembly Single 13" (with switch)
14354	Limit Switch Bracket Assembly Single 16" (with switch)
3088	Limit Switch



A Pit Ladders

Part No. Part Description

24645	Ladder Pit Assembly 8'-0" Tall w/Brackets & Fasteners
24643	Ladder Pit Assembly 10'-0" Tall w/Brackets & Fasteners

B Signal Device

Part No. Part Description

3082	Signal Device Alarm Bell 6V DC 6"
5035	Signal Device Alarm Bell 120V DC 6"
18678	Signal Device Buzzer 30-120V Warble Adams

C Pit Switch Options

Part No. Part Description

16055	Pit Switch PS4-Push/Pull
3095	Pit Switch Run/Stop 20 Amp 250 VAC #PS2

D Under Car Light

Part No. Part Description

11359	Lamp Holder with GFI Outlet Under Car Light 120V Outlet
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E Car Top Station

Part No. Part Description

3022	Nylube Car Top Station
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F Spring Buffer Stands

Part No. Part Description

N/A	Call MEI for survey form. 1 1/2" - 4 1/4" stroke available.
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G Oil Buffer Stands

Part No. Part Description

N/A	Call MEI for survey form. Stands available to sit below oil buffers to achieve correct runby.
-----	---





Rope Tension Gauge

Ensure equal rope tension

Proper rope tension is critical to obtaining a quality ride and ensuring the maximum life of ropes and sheaves. Use the simple and effective MEI Rope Tension Gauge to measure relative tension in hoist ropes. Contact MEI for pricing and availability.

Part No. **21954**

Channel Cart

Move jacks, crates, door panels, wall panels and more with ease!

This light-weight channel cart has a non-slip surface, an integrated handle at each end for easy carrying, and holes in each corner for rope attachment. The wheels are entirely below the cart frame, which allows for easy maneuvering and handling of cumbersome materials.

Contact MEI for pricing and availability.

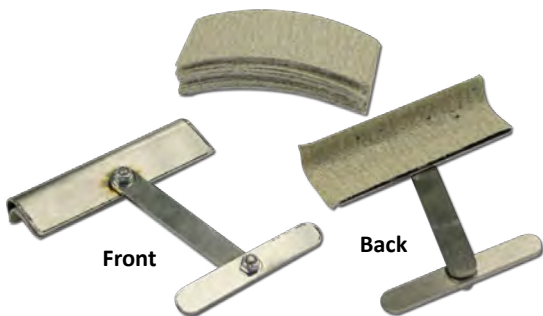
Part No. **22061**



Door Track Cleaner

Clean up your door tracks for smoother operation!

Part No. **22291**



Calipers

Gather dimensional data on hard-to-measure items!

Small - Part No. **22294-001**

Large - Part No. **22294-002**



Four Wheeled Cart

Great for every jobsite!

Certified for capacity of up to 2,500 lbs.

Part No. **22505**



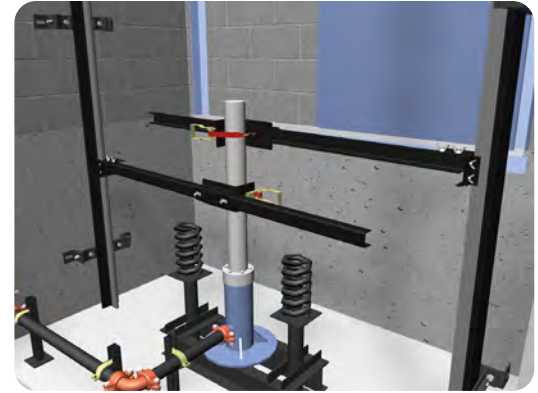
Adjustable Piston Stabilizer (2 Required Per Application)

Stabilize piston during a cylinder replacement

This versatile piston stabilizer is an essential tool for safe and efficient cylinder replacements. Simply attach to the upper portion of the piston to maintain a secure, accurately-aligned piston during retrieval of the car from the overhead. This tool installs in less than 5 minutes!

During a cylinder replacement, the elevator is typically hoisted and secured in the top of the hoistway. The old piston and cylinder are then removed and the new piston is installed. To complete the procedure, the new piston is run up and attached to the bottom of the car sling (located in the top of the hoistway). The further the piston is extended out of the cylinder, the more unstable it becomes.

MEI's Adjustable Piston Stabilizer ensures the safe, secure, and plumb travel of the piston to the bottom of the car and eliminates the potential for seal damage caused by excess movement. Save time and money by using this tool instead of building custom stabilizers at each job site! The MEI Adjustable Piston Stabilizer will accommodate a wide range of field situations. Contact MEI for capabilities and pricing.



Part No. **21981** - In-Ground



Piston Stabilizers

Stabilize pistons while checking for damage prior to seal replacement

This fully-adjustable piston stabilizer ensures a safe packing seal replacement and eliminates the possibility of damaging the new packing seal. This simple tool keeps the piston secure during the entire seal replacement process.

When changing out a seal, it is necessary to check the entire length of the piston for damage and make any repairs prior to installing the new seal. This is typically done by running the piston from the car top to the upper limit of its travel. The risk when doing this is that the further the piston is extended out of the cylinder, the more unstable it becomes. The excess movement puts considerable pressure and wear on the packing seal, and the piston could also potentially catch a bracket or hoistway obstruction. Use the MEI Piston Stabilizer on your next seal replacement for an easier, safer repair! Contact MEI for pricing and availability.



Part No. **22070** - Holeless Hydraulic



Part No. **22076** - Roped Hydraulic



Top of Hoistway Target Bracket

Align rails easily with this versatile bracket

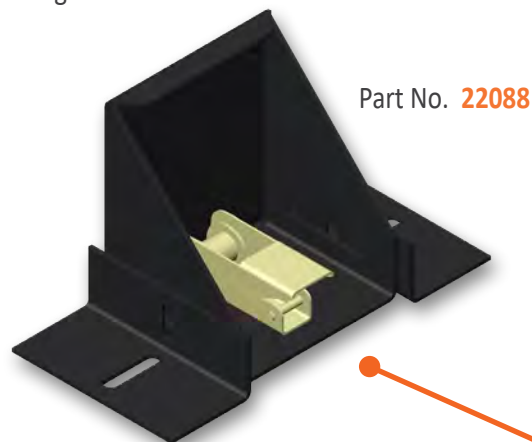
Nothing is more reliable and accurate than dropping plumb lines for rail alignment. This efficient bracket attaches easily to the top of the hoistway wall or to the underside of the hoist beam. Secure the music wire for rail alignment. Eliminate the laborious, costly task of building wooden targets on each and every project! Contact MEI for pricing and availability.



Pit Target and Plumb Line Tension Device

Secure music wire and apply tension easily with this versatile bracket

This plumb line tension device is designed to be used in conjunction with the Top of Hoistway Bracket. Simply locate, secure to the pit floor, and run the music wire through the hole in the top of the bracket. Attach to a ratchet and apply tension to the alignment wire. Eliminate the need to build custom, cumbersome targets in the pit! Contact MEI for pricing and availability.



Submersible Pully Bully

MEI's Pully Bully will make changing a submersible pump or motor a snap! The Pully Bully is a safe, economical method that will save you time and frustration on your next service call.

Benefits

- Safe Operation
- Reduced Labor Hours
- Light Weight
- Quick & Easy Setup
- Easy Clean Up
- Portable Cart

Specifications

- Lifting Capacity: 500 lbs.
- Complies with ASME B30.17 - 1998
- Weight: 185 lbs.
- Instructions Included

How it Works

Roll the Pully Bully into the machine room. Detach the hoisting frame from the cart (the cart/drip pan will later serve as a workbench that collects the excess oil). Set up the hoisting frame (see photos below). Use the chain hoist to rig and pull the pump/motor combination out of the power unit. Set the pump/motor combination on the cart/drip pan, and make the necessary repairs.



Part No. 17936

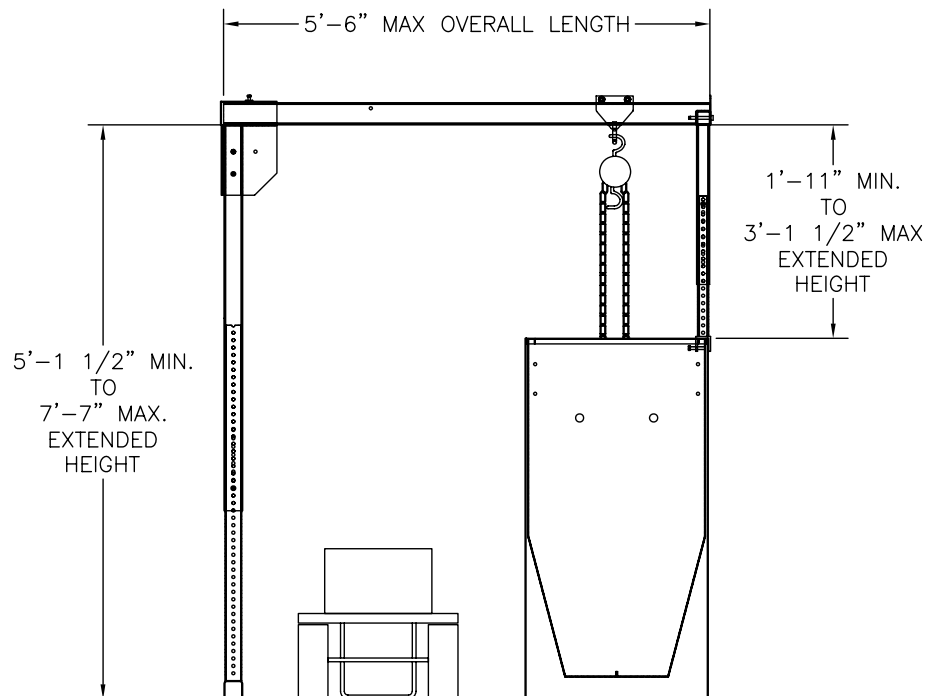


Easy Clean Up

The excess oil funnels into a removable container located under the drip pan. Simply remove the container and pour the excess oil back into the tank.



How it Works
Video!



Dry Pully Bully

MEI's NEW! Dry Pully Bully makes changing a dry motor an easy proposition. The Dry Pully Bully is a safer, more streamlined method that will save you time and stress on your next service call.

Benefits

- Safe Operation
- Reduced Labor Hours
- Light Weight
- Quick & Easy Setup

Specifications

- Lifting Capacity: 750 lbs.

How it Works

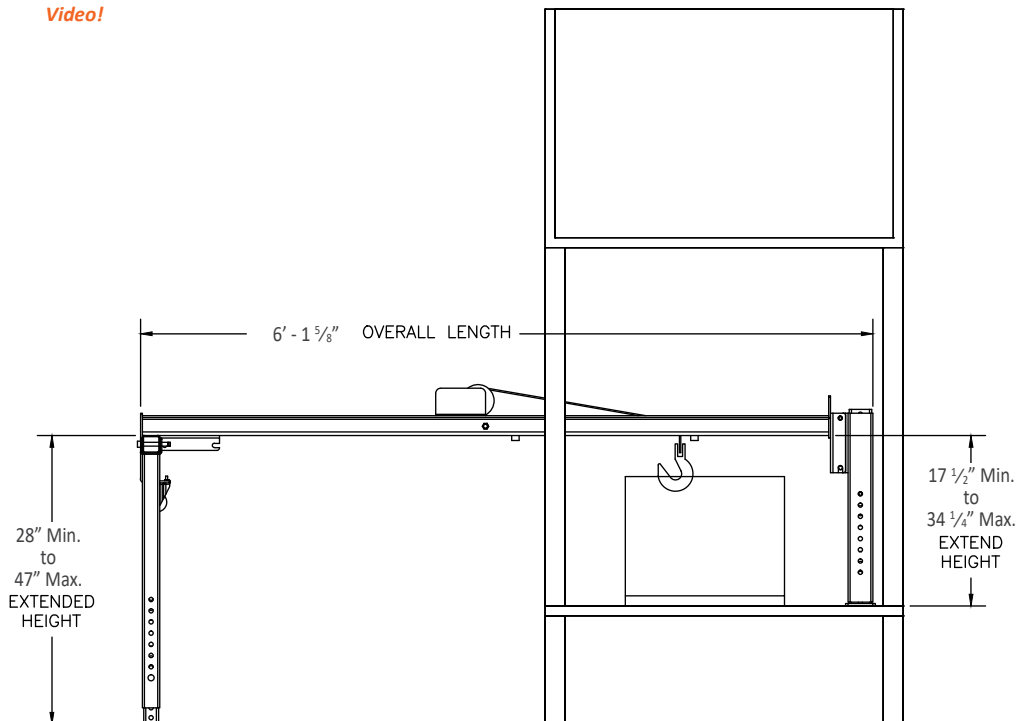
Roll the Dry Pully Bully into the machine room. Attach the winch hook on the top edge of the tank wall and winch the frame into position (see photos below). Set up the hoisting frame legs for the ideal lifting position. Use the winch to lift motor and trolley out onto the machine room floor.



Part No. 22884

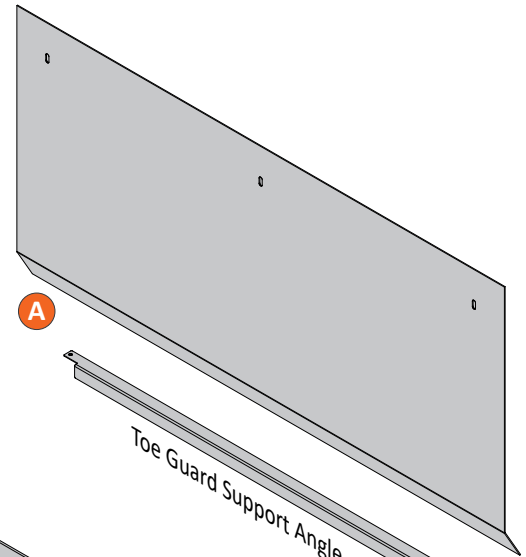


*How it Works
Video!*



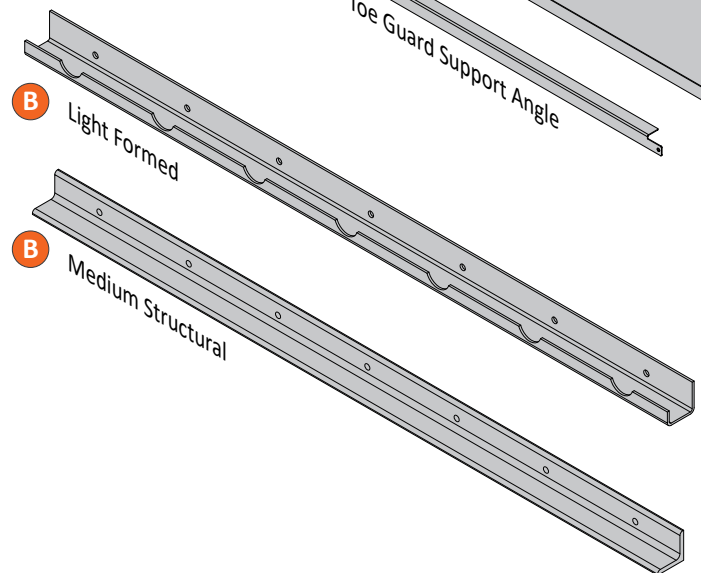
Toe Guards A

Part No.	Part Description (Fasteners Not Included)	Length	Face Height	Support Required
25071-001	Toe Guard 48" x 21" x 16GA Galvannealed w/Support Toe Guard Angle 23 3/4"	48"	21"	23 3/4"
25071-002	Toe Guard 60" x 21" x 16GA Galvannealed w/Support Toe Guard Angle 23 3/4"	60"	21"	23 3/4"
25071-003	Toe Guard 72" x 21" x 16GA Galvannealed w/Support Toe Guard Angle 23 3/4"	72"	21"	23 3/4"
25071-004	Toe Guard 84" x 21" x 16GA Galvannealed w/Support Toe Guard Angle 23 3/4"	84"	21"	23 3/4"
25071-005	Toe Guard 96" x 21" x 16GA Galvannealed w/Support Toe Guard Angle 23 3/4"	96"	21"	23 3/4"
25071-006	Toe Guard 48" x 48" x 16GA Galvannealed w/Support Toe Guard Angle 64"	48"	48"	62"
25071-007	Toe Guard 60" x 48" x 16GA Galvannealed w/Support Toe Guard Angle 64"	60"	48"	62"
25071-008	Toe Guard 72" x 48" x 16GA Galvannealed w/Support Toe Guard Angle 64"	72"	48"	62"



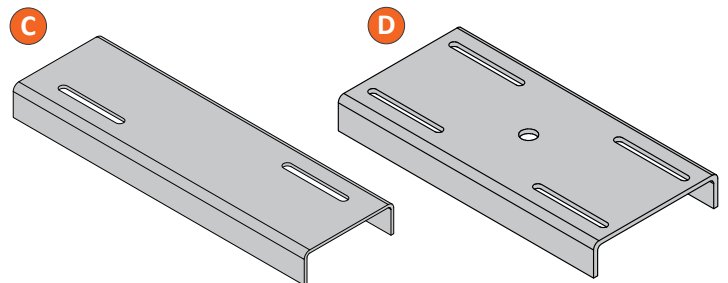
Sill Support Angles B

Part No.	Part Description (Fasteners Not Included)
21885-001	Sill Support Angle Hoistway 1SP Light Formed 72"
21885-002	Sill Support Angle Hoistway 1SP Light Formed 84"
21885-003	Sill Support Angle Hoistway 1SP Light Formed 96"
21904-001	Sill Support Angle Hoistway 1SP Medium Structural 72"
21904-002	Sill Support Angle Hoistway 1SP Medium Structural 84"
21904-003	Sill Support Angle Hoistway 1SP Medium Structural 96"
21885-004	Sill Support Angle Hoistway 2SP Light Formed 72"
21885-005	Sill Support Angle Hoistway 2SP Light Formed 84"
21885-006	Sill Support Angle Hoistway 2SP Light Formed 96"
21904-004	Sill Support Angle Hoistway 2SP Medium Structural 72"
21904-005	Sill Support Angle Hoistway 2SP Medium Structural 84"
21904-006	Sill Support Angle Hoistway 2SP Medium Structural 96"



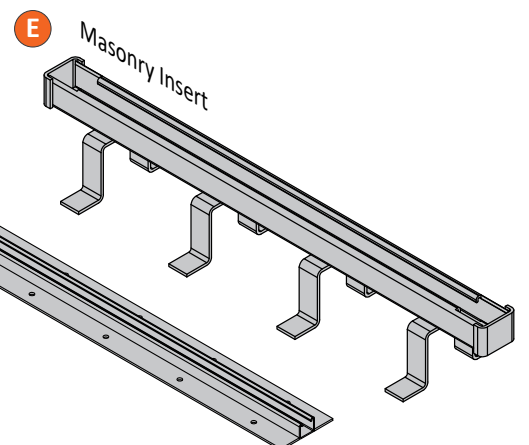
Strike Plates C

Part No.	Part Description (Fasteners Not Included)
22184-001	Strike Plate Formed (for more than 2 springs)
22184-002	Strike Plate Formed (for up to 2 springs)
22184-003	Strike Plate Formed (for oil buffers)



Platen Plates D

Part No.	Part Description (Fasteners Not Included)
9651	Platen Plate Channel (for jacks up to 10 5/8" with a single bolt attachment, bolt up to 1 1/4")



Wall Inserts E

Part No.	Part Description
21988-001	Drywall Insert 24"
21988-002	Drywall Insert 48"
1808	Masonry Insert 24"
21827	Masonry Insert 48"

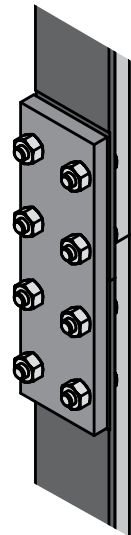


Rails

Part No.	Part Description
11382	Rail 8 lb. 16'-0" Stick ISO7465
11378	Rail 15 lb. 16'-0" Stick ISO 7465
11379	Rail 18.5 lb. 16'-0" Stick ISO7465
11380	Rail 22.5 lb. 16'-0" Stick ISO7465
11381	Rail 30 lb. 16'-0" Stick ISO7465

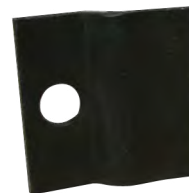
Rail Splice Plates with Hardware

Part No.	Part Description	Plate Design
19746	Plate Splice Non Seismic 8 lb. Kit (2 per kit)	Non Seismic
19747	Plate Splice Non-Seismic 15 lb. Kit (2 per kit)	Non Seismic
19748	Plate Splice Non-Seismic 18.5 lb./ 22.5 lb. Kit (2 per kit)	Non Seismic
19750	Plate Splice Non-Seismic 30 lb. Kit (2 per kit)	Non Seismic
19615	Plate Splice Seismic 8 lb. (Each)	STD Seismic
19616	Plate Splice Seismic 15 lb. (Each)	STD Seismic
19617	Plate Splice Seismic 18.5 lb. (Each)	STD Seismic
19618	Plate Splice Seismic 22.5 lb. (Each)	STD Seismic
19619	Plate Splice Seismic 30 lb. (Each)	STD Seismic
19751	Plate Splice Seismic 8 lb. (Each)	Low Clear Seismic
19752	Plate Splice Seismic 15 lb. (Each)	Low Clear Seismic
19753	Plate Splice Seismic 18.5 lb. (Each)	Low Clear Seismic
19755	Plate Splice Seismic 30 lb. (Each)	Low Clear Seismic



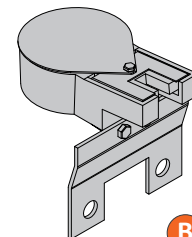
Rail Clips

Part No.	Part Description
2773	Clip Forged 8 lb. (C-161) Steel
2770	Clip Forged 12 lb. 15 lb. 18 lb. (C-160) Steel
2771	Clip Forged 22 (C-169) Steel
2772	Clip Forged 30 (C-162) Steel
2424	Clip Rail Steel Sliding 8 lb. Rail (CB08-S)
5118	Clip Rail Steel Sliding 15 lb. & 18.5 lb. Rail (CB15-S)



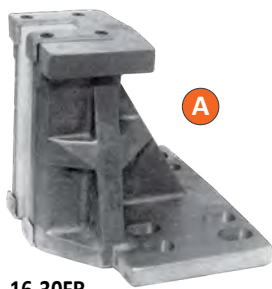
Rail Lubricators

Item	Part No.	Part Description	Fastening
A	1740	Rail Lubricator 8-15 lb.	Rail Mount
A	1739	Rail Lubricator 18.5, 22.5, & 30 lb.	Rail Mount
B	21659	Rail Lubricator, Mounts to 16ST or 18ST	Guide Mount
B	21692	Rail Lubricator, Mounts to 22ST or 30ST	Guide Mount


A

B

Call MEI for Maximum Guide Capacity & Guide Specifications

Item	Part No.	Part Description	Mount Type	Guide Type	Rail Size (lbs.)	Replacement Type	Part No.
A	21394	Guide 16FR (UHMW Polyethylene Gib)	Top	Slide	15		
A	21395	Guide 18FR (UHMW Polyethylene Gib)	Top	Slide	18.5		
A	21396	Guide 22FR (UHMW Polyethylene Gib)	Top	Slide	22.5		
A	21397	Guide 30FR (UHMW Polyethylene Gib)	Top	Slide	30		
B	21055	Guide 381 (Polyethylene)	Top	Slide	22.5		
B	20951	Guide 381 (Polyethylene)	Top	Slide	30		
C	1672	Guide 8ST (UHMW Polyethylene Gib)	Stile	Slide	8, 15	Gib	11637
D	1663	Guide 16ST (UHMW Polyethylene Gib)	Stile	Slide	15	Gib	4016
D	19275	Guide 16ST Seismic (UHMW Polyethylene Gib)	Stile	Slide	15	Gib	4016
D	1664	Guide 18ST (UHMW Polyethylene Gib)	Stile	Slide	18.5	Gib	4848
D	19278	Guide 18ST Seismic (UHMW Polyethylene Gib)	Stile	Slide	18.5	Gib	4848
D	1665	Guide 22ST (UHMW Polyethylene Gib)	Stile	Slide	22.5	Gib	10623
D	19281	Guide 22ST Seismic (UHMW Polyethylene Gib)	Stile	Slide	22.5	Gib	10623
D	1668	Guide 30ST (UHMW Polyethylene Gib)	Stile	Slide	30	Gib	11532
D	19284	Guide 30ST Seismic (UHMW Polyethylene Gib)	Stile	Slide	30	Gib	11532
E	16842	Guide 16SS (UHMW Polyethylene Gib)	Top	Swivel Slide	15		
E	16843	Guide 18SS (UHMW Polyethylene Gib)	Top	Swivel Slide	18.5		
E	21701	Guide 22SS (UHMW Polyethylene Gib)	Top	Swivel Slide	22.5		
E	1667	Guide 30SS (UHMW Polyethylene Gib)	Top	Swivel Slide	30		
F	1671	Guide 816SS (UHMW Polyethylene Gib)	Top	Spring Swivel Slide	8, 15	Gib	11637
F	19565	Guide 816SS No Spring (UHMW Polyethylene Gib)	Top	Swivel Slide	8, 15	Gib	11637
F	9599	Guide 816SS (UHMW Polyethylene Gib)	Top	Spring Swivel Slide	18.5		
G	1670	Guide 816DS (UHMW Polyethylene Gib)	Top	Spring Double Swivel Slide	8, 15	Gib	4015



16-30FR



381



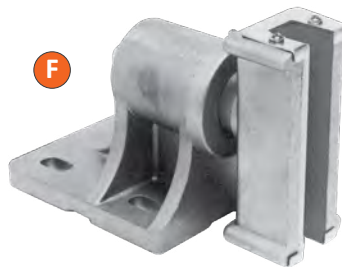
8ST



16-30ST



16-30SS



816SS



816DS

Contact us for Custom Slide Guides

Guide Shoe Dust Covers (Contact MEI for Details)

Part #	Part Description
21949-001	Cover Guide Shoe HW 377 & 379
21949-002	Cover Guide Shoe HW 378 & 380
21949-003	Cover Guide Shoe Elsco Model A
21949-004	Cover Guide Shoe Elsco Model B
21949-005	Cover Guide Shoe Elsco Model C
21949-006	Cover Guide Shoe Elsco Model D

Call MEI for Maximum Guide Capacity & Guide Specifications

Item	Part No.	Part Description	Mount Type	Guide Type	Rail Size (lbs.)	Replacement Type	Part No.
N	1673	Guide 36SRG (Neoprene)	Top	Spring Roller	8, 15	Roller	21765-004
O	12245	Guide 377 (Polyethylene)	Top	Spring Roller	8, 15		
P	5447	Guide 378 (Polyethylene)	Top	Spring Roller	8, 15, 18.5		
Q	12146	Guide 379 (Polyethylene)	Top	Spring Roller	8, 15, 18.5		
R	5456	Guide 380 (Polyethylene)	Top	Spring Roller	8, 15, 18.5		
S	5011	Guide 803RG (Neoprene)	Top	Solid Roller	8, 15		
T	1662	Guide 815RG (Neoprene)	Top	Solid Roller	8, 15	Roller	21765-007
T	8968	Guide 815RGU (Polyethylene)	Top	Solid Roller	8, 15	Roller	21765-008
U	17072	Guide ACLA AR3 142-380	Top	Spring Roller	8, 15, 18.5, 22.5, 30		
V	14853	Guide ElSCO Model A (Polyethylene)	Top	Spring Roller	8, 15, 18.5		
V	14852	Guide ElSCO Model A (Polyethylene)	Top	Spring Roller	22.5, 30		
V	9500	Guide ElSCO Model A (Neoprene)	Top	Spring Roller	8, 15, 18.5		
W	5363	Guide ElSCO Model B w/Adj Stops (Neoprene)	Top	Spring Roller	8, 15, 18.5		
W	21245	Guide ElSCO Model B w/Adj Stops (Neoprene)	Top	Spring Roller	22.5, 30		
W	19122	Guide ElSCO Model B w/Adj Stops (Polyethylene)	Top	Spring Roller	8, 15, 18.5		
X	6536	Guide ElSCO Model C w/Adj Stops (Neoprene)	Top	Spring Roller	8, 15		
X	17385	Guide ElSCO Model C w/Adj Stops (Polyethylene)	Top	Spring Roller	8, 15		
Y	6535	Guide ElSCO Model D (Neoprene)	Top	Spring Roller	8, 15		



N
36SRG



O
377



P
378



Q
379



R
380



S
803RG



T
815RG



U
ACLA



V
Model A



W
Model B



X
Model C



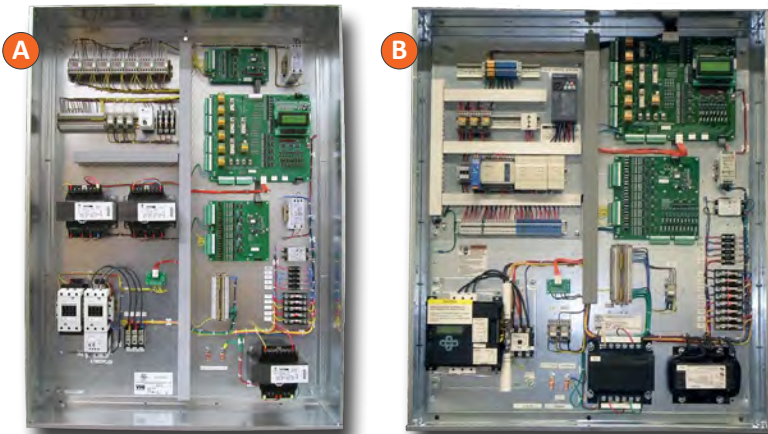
Y
Model D

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 Communication
- ◆ Expedited Delivery!
- ◆ **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

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



multi-motor panel shown above

Stand Alone Starters

- ◆ Siemens Class 72
- ◆ Competitive Pricing
- ◆ Interface Drawing Included





Standalone Reflex

- ◆ All the same performance benefits by upgrading just your selector
- ◆ Designed to work with your existing control system
- ◆ Changing the leveling system does not require a complete code upgrade



Features

- ◆ 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, saves significant labor
- ◆ Quicker floor to floor time



QUICKER
Decreases floor
to floor time



COOLER
Decreases oil
temperatures



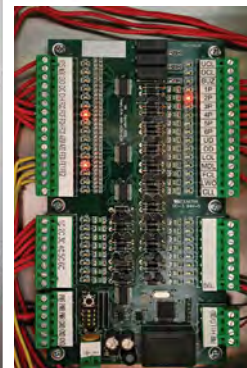
LOWER COSTS
Decreases energy and
maintenance costs

Reflex Integrated

- ◆ Serial Comm to VHC 102 Controller
- ◆ Reduced Wiring
- ◆ Machine room feedback
- ◆ Valve Setup
- ◆ Floor height adjustments



Serial Communication
to Reflex



Serial Communication
to COP



APPELLO+



REMOTE ELEVATOR CONTROL

- + APPELLO+ allows building operators and owners to call elevator cars on demand from remote locations using mobile devices and PCs. The system is economical to install and easy to use.
- + Call specific elevators to specific floors on demand
- + Open, close and hold doors with or without timers
- + Link to building automation systems
- + View elevator's current position and if loaded or empty
- + User permission management
- + For iOS, Android, Windows, Mac and smart devices

LOADED ELEVATOR?

Indicator shows if elevator is loaded.

CAR POSITION

OPEN / CLOSE

Open/Close Doors and Hold door options



Compatible with iOS, Android, Mac, PC and other smart devices



IDEAL FOR

- + VIPs
- + Luxury Residential
- + Building Supervisors
- + Vehicle Lifts
- + Forklift and Delivery Drivers

Elevator Keyfob



Place call as you approach elevator with keyfob remote

Vertitron Vandal Proof Replacement Buttons

- ◆ Direct replacement for Schindler MPH & TAC20 style button.
- ◆ Changing buttons only takes minutes and the finished product and durability of the new button is something your customer will really appreciate.
- ◆ Optional LED colors and button finishes available.



Schindler MPH



Vertitron Replacement



TAC20



Vertitron Replacement



Controller, Reflex and Power Unit

Quote Request

www.vertitron.com

ORDER EFFICIENCY

- ◆ One call saves time
- ◆ Lower shipping costs
- ◆ Increases accuracy on order data between Power Unit and Controller
- ◆ Controller can be pre-mounted



REFLEX FEATURES

- ◆ 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, saves significant labor
- ◆ Quicker floor to floor time

Mission

Working Together to be the Best!



Values

Trust

Build relationships on mutual trust

Listening

Listen first

Talent Selection

Hire smart, hungry and humble employees

Improvement

Continuous pursuit to improve

Vision

Community Outreach

learn. give. do.

Generosity

We believe in being generous

Compassion

We care about the suffering of others



MEI

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Mankato, MN 56001

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Email: mei@meiusa.com
www.meiusa.com

An EOE/AA Employer