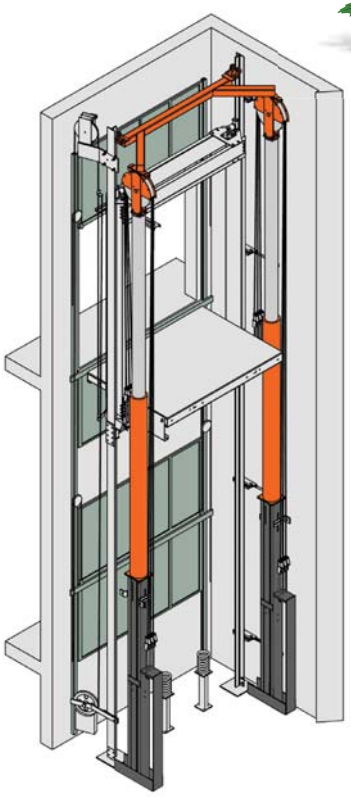
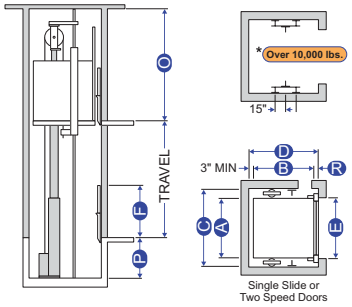


green tip

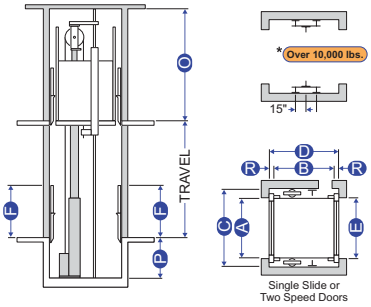
Vegetable based oil may be used in place of petroleum-based oil.

Call MEI for Sizes or Capacities Outside Listed Ranges 507.245.3060

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 ¾" for Pass Type Doors

***Over 10,000 lbs.**

For capacities over 10,000 lbs., rail bracket fastening may require beam support as shown. A Structural Engineer needs to determine that the hoistway structure will withstand the rail forces shown on the layout drawing.

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	Clear Inside With Two Section	Door Width And Height E x F
4000	7'-0" x 8'-0"	9'-0" x 8'-8"	9'-0" x 8'-9 ¾"	4'-6"	F	6'-8" x 7'-7"	6'-8" x 7'-4 ½"	6'-8" x 8'-0"
4000	7'-0" x 8'-0"	9'-0" x 8'-10"	9'-0" x 9'-1 ½"	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 ¾"	4'-6"	F	7'-8" x 8'-7"	7'-8" x 8'-4 ½"	7'-8" x 8'-0"
5000	8'-0" x 9'-0"	10'-2" x 9'-10"	10'-2" x 10'-1 ½"	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 ¾"	4'-6"	F	10'-0" x 9'-7"	10'-0" x 9'-4 ½"	10'-0" x 8'-0"
6000	10'-4" x 10'-0"	12'-6" x 10'-10"	12'-6" x 11'-1 ½"	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 ¾"	4'-6"	F	10'-0" x 11'-7"	10'-0" x 11'-4 ½"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-10" x 12'-10"	12'-10" x 13'-1 ½"	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'-0" x 14'-8"	13'-0" x 14'-9 ¾"	4'-6"	F	10'-0" x 13'-7"	10'-0" x 13'-4 ½"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	13'-0" x 14'-10"	13'-0" x 15'-1 ½"	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 ¾"	4'-6"	F	12'-0" x 11'-7"	12'-0" x 11'-4 ½"	12'-0" x 8'-0"
12000	12'-4" x 12'-0"	15'-8" x 12'-10"	15'-8" x 13'-1 ½"	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 ¾"	5'-0"	F	12'-0" x 15'-7"	12'-0" x 15'-4 ½"	12'-0" x 8'-0"
15000	12'-4" x 16'-0"	16'-0" x 16'-10"	16'-0" x 17'-1 ½"	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 ¾"	5'-0"	F	12'-0" x 19'-7"	12'-0" x 19'-4 ½"	12'-0" x 8'-0"
20000	12'-4" x 20'-0"	16'-0" x 20'-10"	16'-0" x 21'-1 ½"	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 ¾"	5'-6"	F	14'-0" x 19'-7"	14'-0" x 19'-4 ½"	14'-0" x 8'-0"
25000	14'-4" x 20'-0"	18'-0" x 20'-10"	18'-0" x 21'-1 ½"	5'-6"	F/R	14'-0" x 19'-6"	14'-0" x 19'-1"	14'-0" x 8'-0"
Automobile Lifts								
8000	9'-4" x 21'-8"	12'-0" x 22'-4"	12'-0" x 22'-5 ¾"	4'-6"	F	9'-0" x 21'-3"	9'-0" x 21'-0 ½"	9'-0"
8000	9'-4" x 21'-8"	12'-0" x 22'-6"	12'-0" x 22'-9 ½"	4'-6"	F/R	9'-0" x 21'-2"	9'-0" x 20'-9"	9'-0"

Notes:
- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.

Standard Cab Height H = 8'-0"
Minimum Overhead for Single Section Gates
O = 14'-6"
Minimum Overhead for Two Section Gates
O = 12'-4"

Application Summary

This design 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 holes are required even though the travel can be as great as 100 feet. Without any jacks in the ground, the risk of oil contamination is eliminated.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.
- No extensive pit or overhead is required.
- Large platform designs and high capacity projects can be accommodated.

Disadvantages

- Requires a wider hoistway for the jacks and roped equipment.
- The installation time is greater than that of an In-Ground application.

⚠ Do not use hoistway dimensions for construction purposes. Different code year adoptions and local code variations may affect the hoistway size. Verify all dimensions with MEI prior to construction.