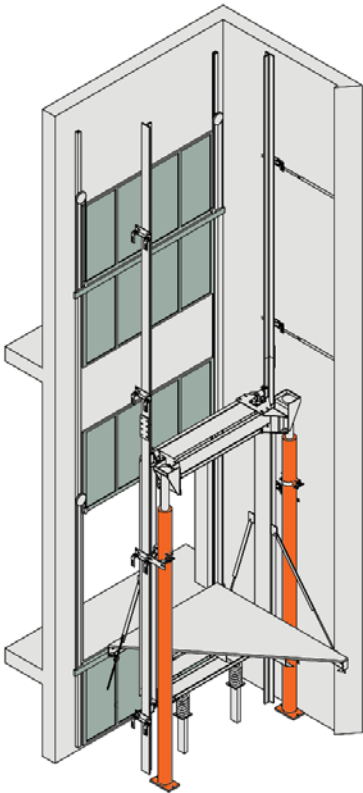
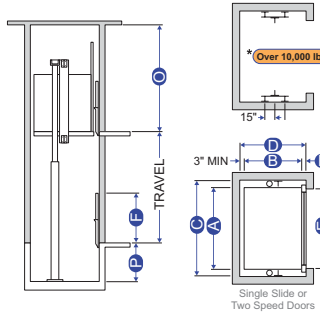


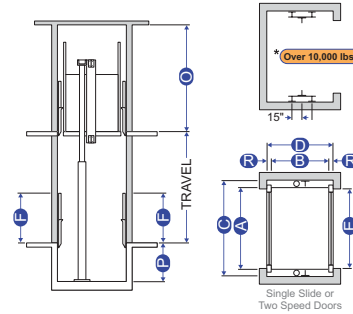
Call MEI for Sizes or Capacities Outside Listed Ranges **507.245.3060**



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 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. A Structural Engineer needs to determine that the hoistway structure will withstand the rail forces shown on the layout drawing.

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.

Disadvantages

- Usually requires more overhead than an In-Ground project. The greater the travel, the greater the overhead must be.
- Requires a wider hoistway for the jacks.
- The material cost is typically higher than that of an In-Ground package.

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"	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'-2" 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'-2" 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'-2" 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'-2" 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'-2" 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'-2" 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'-2" 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'-2" x 11'-6"	12'-0" x 11'-1"	12'-0" x 8'-0"
Automobile Lifts								
8000	9'-4" x 21'-8"	11'-4" x 22'-4"	11'-4" x 22'-5 3/4"	4'-6"	F	9'-0" x 21'-3"	9'-0" x 21'-0 1/2"	9'-0"
8000	9'-4" x 21'-8"	11'-4" x 22'-6"	11'-4" x 22'-9 1/2"	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"

Guidelines for determining overhead required:

For 1 Stage Jack

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

For 2 Stage Jack

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

Overhead Requirements:

One Stage Jack with Single Section Gate:

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

One Stage Jack with Two Section Gate:

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

Two Stage Jack with Single Section Gate:

Minimum of 15'-1" overhead required for 26'-8" of travel and under. Add 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".



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.