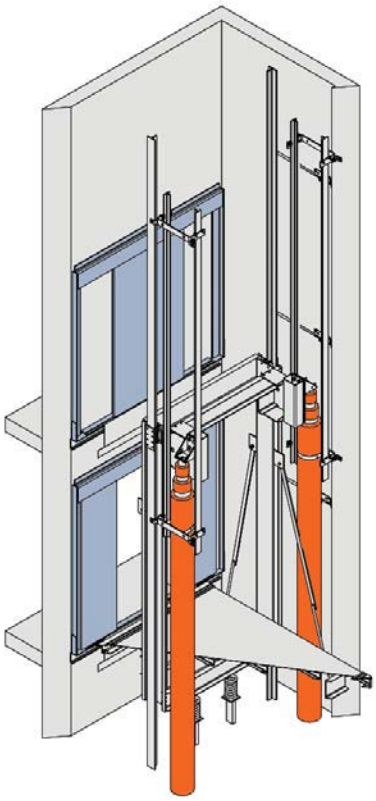
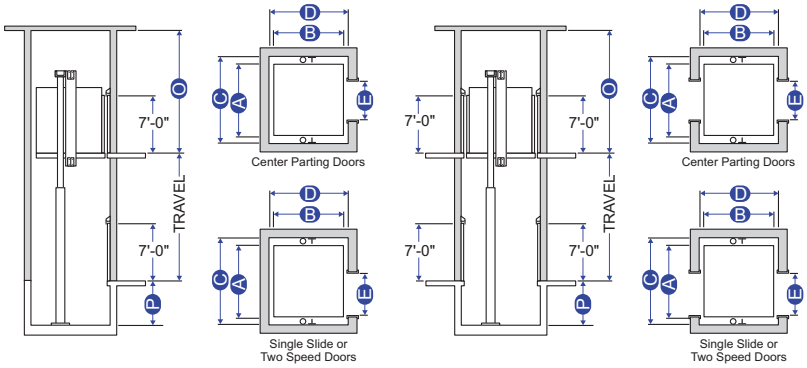
MEI
MINNESOTA ELEVATOR, INC.

Passenger | Twin Jack Holeless, 3 Stage



Call MEI for Sizes or Capacities Outside Listed Ranges 507.245.3060



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

	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 ½"	1-SP	3'-0"
	2100	6'-0" x 5'-8"	7'-11" x 6'-8 ½"	F/R	5'-9" x 4'-3 ½"	1-SP	3'-0"
	2500	7'-0" x 5'-1"	8'-11" x 5'-9"	F	6'-9" x 4'-3 ½"	1-SP	3'-6"
	2500	7'-0" x 5'-8"	8'-11" x 6'-8 ½"	F/R	6'-9" x 4'-3 ½"	1-SP	3'-6"
	3000	7'-0" x 5'-6"	8'-11" x 6'-2"	F	6'-9" x 4'-8 ½"	1-SP	3'-6"
	3000	7'-0" x 6'-1"	8'-11" x 7'-1 ½"	F/R	6'-9" x 4'-8 ½"	1-SP	3'-6"
	3500	7'-0" x 6'-2"	8'-11" x 6'-10"	F	6'-9" x 5'-4 ½"	1-SP	3'-6"
	3500	7'-0" x 6'-9"	8'-11" x 7'-9 ½"	F/R	6'-9" x 5'-4 ½"	1-SP	3'-6"
	4000	8'-0" x 6'-2"	9'-11" x 7'-0"	F	7'-9" x 5'-3"	2-SP	4'-0"
	4000	8'-0" x 6'-8"	9'-11" x 7'-11 ½"	F/R	7'-9" x 5'-0 ½"	2-SP	4'-0"
Hospital	3500H	5'-4" x 8'-4"	7'-3" x 9'-2"	F	5'-1" x 7'-5"	2-SP	3'-6"
	3500H	5'-4" x 9'-0 ½"	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 ½"	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 ½"	7'-11" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"
	5000H	6'-0" x 9'-7 ½"	7'-11" x 10'-5 ½"	F	5'-9" x 8'-8"	2-SP	4'-0"
	5000H	6'-0" x 10'-3 ½"	7'-11" x 11'-7"	F/R	5'-9" x 8'-8"	2-SP	4'-0"
High Capacity	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 ½"	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 ½"	10'-6" x 12'-0"	F/R	8'-1" x 9'-1"	2-SP	4'-0"
	10000	8'-4" x 11'-8 ½"	10'-6" x 10'-11"	F	8'-1" x 10'-9 ½"	2-SP	4'-0"
	10000	8'-4" x 12'-5"	10'-6" x 13'-8 ½"	F/R	8'-1" x 10'-9 ½"	2-SP	4'-0"

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

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.

Disadvantages

- 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.
- Auxiliary rails are required to guide the jack.

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'-8" overhead required for 30'-6" of travel and under.
Add 11/32" to 12'-8" for every additional 1" of travel over 30'-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.