



Freight

Low & Mid Rise

Freight:

From lifting heavy pallets, to lifting a forklift with the pallets, AES's line of freight elevators will do your heavy lifting. Our team of freight professionals will guide you through design, development and delivery, making sure to create an elevator that fits your exact specifications.

Classes:



Class A: General Freight Loading



Class B: Motor Vehicle Loading



Class C1: Industrial Truck Loading
(truck is carried)



Class C2: Industrial Truck Loading
(truck is not carried)



Class C3: Concentrated Loading



ALLIANCE

ELEVATOR SOLUTIONS



FREIGHT

Low & Mid Rise

Capacity (lbs.)	Openings (Front/Rear)	Clear Door Width	Platform Size W x D (min)	Hoistway Depth Platform Plus	Hoistway Size W x D (min)	Clear Inside W x D (min)	Minimum Platform to Side Wall
Class A & C Loading							
4000	F	5'-8"	6'-0" x 8'-0"	8"	7'-8" x 8'-8"	5'-8" x 7'-5"	10"
4000	F&R	5'-8"	6'-0" x 8'-0"	10"	7'-8" x 8'-10"	5'-8" x 7'-4"	10"
5000	F	6'-8"	7'-0" x 10'-0"	8"	8'-10" x 10'-8"	6'-8" x 9'-5"	11"
5000	F&R	6'-8"	7'-0" x 10'-0"	10"	8'-10" x 10'-10"	6'-8" x 9'-4"	11"
6000	F	8'-0"	8'-4" x 10'-0"	8"	10'-2" x 10'-8"	8'-0" x 9'-5"	11"
6000	F&R	8'-0"	8'-4" x 10'-0"	10"	10'-2" x 10'-10"	8'-0" x 9'-4"	11"
8000	F	8'-0"	8'-4" x 10'-0"	8"	10'-2" x 12'-8"	8'-0" x 11'-5"	11"
8000	F&R	8'-0"	8'-4" x 10'-0"	10"	10'-2" x 12'-10"	8'-0" x 11'-4"	11"
10000	F	10'-0"	10'-4" x 14'-0"	8"	12'-2" x 14'-8"	10'-0" x 13'-5"	11"
10000	F&R	10'-0"	10'-4" x 14'-0"	10"	12'-2" x 14'-10"	10'-0" x 13'-4"	11"
12000	F	12'-0"	12'-4" x 16'-0"	8"	14'-4" x 16'-8"	12'-0" x 15'-5"	12"
12000	F&R	12'-0"	12'-4" x 16'-0"	10"	14'-4" x 16'-10"	12'-0" x 15'-4"	12"
15000	F	12'-0"	12'-4" x 18'-0"	8"	14'-4" x 18'-8"	12'-0" x 17'-5"	12"
15000	F&R	12'-0"	12'-4" x 16'-0"	10"	14'-4" x 18'-10"	12'-0" x 17'-4"	12"
Class B Motor Vehicle Loading							
8000	F	9'-0"	9'-4" x 22'-0"	8"	11'-2" x 22'-8"	9'-0" x 21'-5"	11"
8000	F&R	9'-0"	9'-4" x 22'-0"	10"	11'-2" x 22'-10"	9'-0" x 21'-4"	11"
10000	F	10'-0"	10'-4" x 24'-0"	8"	12'-2" x 24'-8"	9'-0" x 23'-5"	11"
10000	F&R	10'-0"	10'-4" x 24'-0"	10"	12'-2" x 24'-10"	10'-0" x 23'-4"	11"

APPROXIMATE CLEAR INSIDE DIMENSIONS OF CAB

Width = Platform Width less than 4"

Depth = Front Open Only

Single-section gate = Platform Less 6 1/2"

Two-section gate = Platform less 8 1/2"

Depth = Front & Rear Open

Single-section gate = Platform Less 8 1/2"

Two-section gate = Platform less 13"

D.B.G. (Distance Between Guides)

Platform width plus 4"

DOOR, CAB AND CAR GATE HEIGHTS

The freight car door height is the same height as the clear inside cab height (typically minimum of 8'-0"). The standard (typical) vertical car gate is 1-section of 6'-0" high, sliding straight up to clear the cab height.

OVERHEAD AND PIT DEPTH QUICK CALCULATION

- Minimum overhead using single-section car gate = Cab height + (car height of 6'-0") + 6"
- Minimum pit depth using vertical bi-parting freight doors = 1/2 door height + 6"
- For seismic zone 2 or greater application – increase hoistway width 2"
- For 1 1/4" running clearance, increase hoistway depth 1/2"