



FREIGHT ELEVATOR / GOODS LIFT VERTICAL SLIDING DOORS



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What is Freight / Goods?

Material transported by fork lift, hand truck, pallet jack, service cart, or vehicle.

There are many options to move freight/goods in a building.

Material Lift

- Some are non-passenger and limited use passenger rated devices
- Narrow market
- Either standard pre-engineered package or application design
- Ideally suited for an integrated conveyor systems, inventory retrieval, and mezzanine storage

Service Elevator

- Passenger elevator features
- Rugged interior for freight
- Pre-engineered
- Ideally suited for hotels, residences, office buildings, hospitals, etc. to transport lightweight materials, furniture, and low weight service carts

Freight Elevator

- Heavy duty
- Rated for non-public use
- Application specific
- Designed based on the stakeholders operation
- Ideally suited for retail, grocery, factory, distribution and warehouse, garage, museum, government, convention center, power plant, and more.





Freight Elevator/Goods Lift Door Features



ROBUST CONSTRUCTION

Vertical sliding Peelle doors are designed specifically to the capacity and loading method of the elevator, and are heavy duty and reinforced to accommodate hand truck, pallet and forklift loading.

Horizontal sliding doors are designed primarily for light duty applications. This can result in damage due to incidental impact from loading misuse and abuse.



INDEPENDENT LOCKS

Vertical sliding Peelle door interlocks are independent of the panels and located away from the opening, thereby protected on the door-guides.

Horizontal sliding doors, which sustain a high impact, may also suffer interlock misalignment, causing a shutdown.



SEQUENCE OPERATION

Vertical sliding Peelle doors permit loading only when the hoistway and car door entrance is fully open.

Horizontal doors are subject to incidental impact during loading, when the entrance is not fully opened, causing a shutdown.



TRUCKABLE SILLS

Vertical sliding Peelle door trucking sills are designed specifically to the capacity and loading method of the elevator, and are flat to allow smooth loading. Door guides are located in the hoistway, running vertically, so they are not damaged during loading, and debris cannot gather in the door guides.

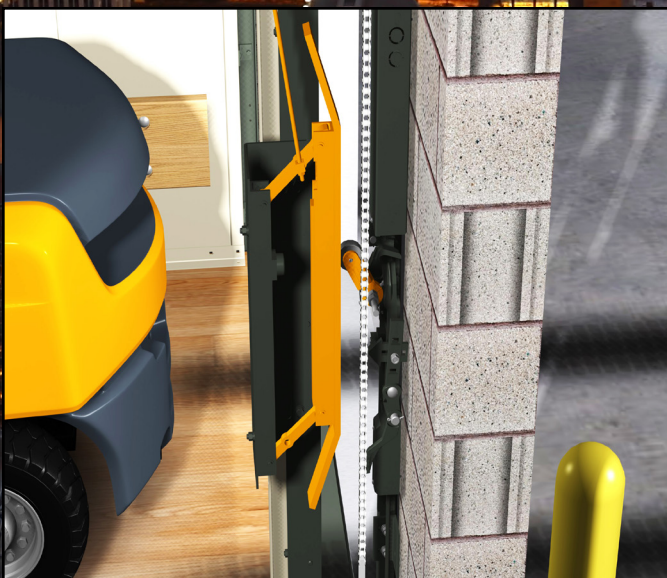
Horizontal sliding door sills are subject to damage, premature wear and debris which affect door performance.



SPACE SAVINGS

Vertical sliding Peelle doors typically require 13in [330mm], of return space. This means more usable "building-space" for the owner.

Horizontal doors require a large amount of "return-space" for the panels.



INDEPENDENT OPERATION

Vertically sliding Peelle doors have Independent Operation with no mechanical coupling between the Car door and Hoistway door allowing for heavy duty loading conditions.

Horizontal sliding doors have a mechanical coupling between the Car door and Hoistway door which can separate during heavy duty loading causing an elevator shutdown.

Class of Loading



Class A
General Freight Loading
Where no item (including loaded truck) weighs more than 1/4 rated capacity



Class C2
Industrial Truck Loading
Where truck is not carried, but is used for loading and unloading



Class B
Motor Vehicle Loading
Automobiles, Trucks, Buses



Class C3
Concentrated Loading
No truck used, but load increments are more than 1/4 rated capacity. Carried load must not exceed rated capacity.

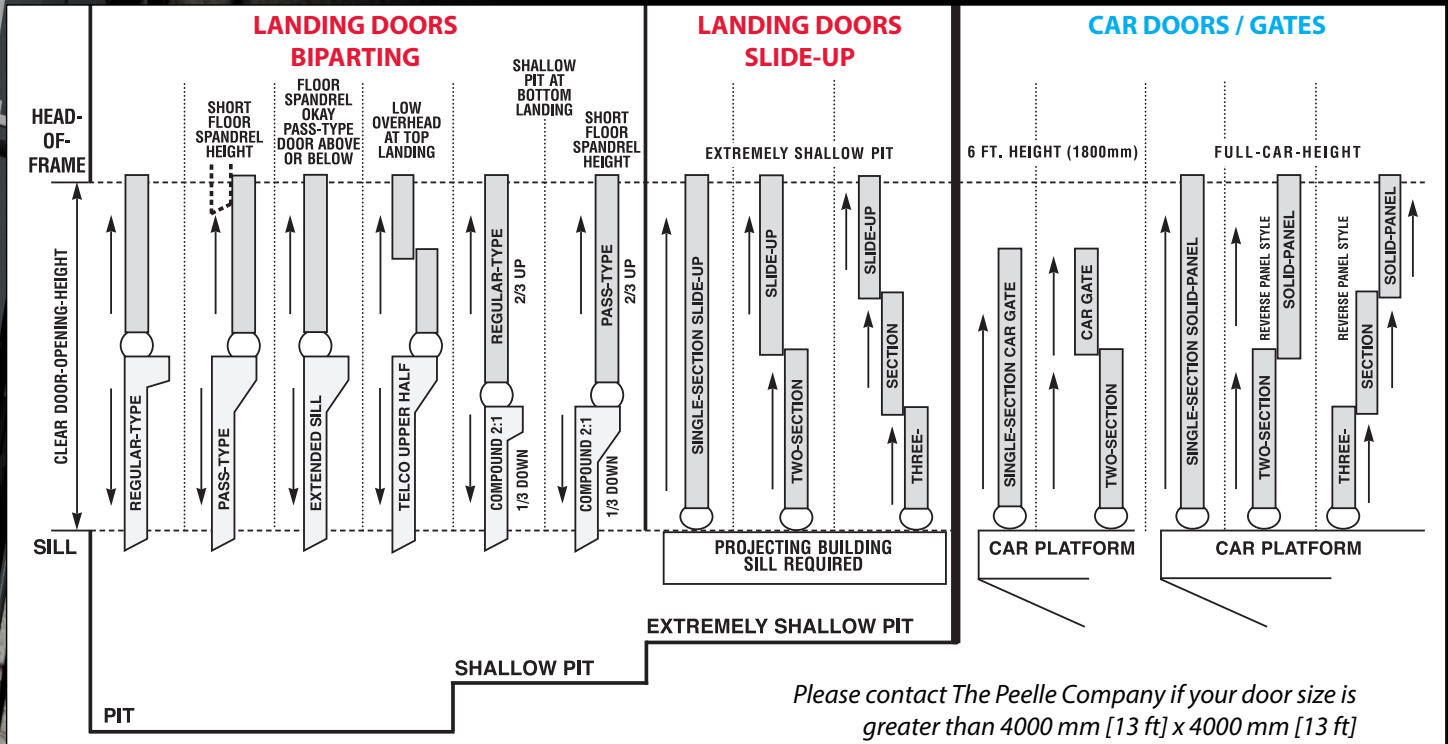
REFERENCE A17.1-2000 HANDBOOK



Class C1
Industrial Truck Loading
Where truck is carried



PASS TYPE DOORS



LANDING DOORS

REGULAR TYPE

MIN. FLOOR TO FLOOR: $1.5 \times \text{OPENING HT} + 150 \text{ mm}$ [6 in]
 MIN. PIT: $0.5 \times \text{OPENING HT} + 102 \text{ mm}$ [4 in]
 RETURN SPACE: 330 mm [13 in] BOTH SIDES
 CAR CLEARANCE: 127 mm [5 in]

PASS TYPE

WHEN FLOOR TO FLOOR IS LESS THAN $1.5 \times \text{OPENING HT} + 150 \text{ mm}$ [6 in]
 MIN. FLOOR TO FLOOR: $\text{OPENING HT} + 381 \text{ mm}$ [15 in]
 MIN. PIT: $0.5 \times \text{OPENING HT} + 102 \text{ mm}$ [4 in]
 RETURN SPACE: 330 mm [13 in] BOTH SIDES
 CAR CLEARANCE: 171 mm [6 3/4 in]

EXTENDED SILL

MIN. FLOOR TO FLOOR: $1.5 \times \text{OPENING HT} + 150 \text{ mm}$ [6 in]
 MIN. PIT: $0.5 \times \text{OPENING HT} + 102 \text{ mm}$ [4 in]
 RETURN SPACE: 330 mm [13 in] BOTH SIDES
 CAR CLEARANCE: 171 mm [6 3/4 in]

TELCO UPPER HALF

MIN. FLOOR TO FLOOR: $1.25 \times \text{OPENING HT} + 330 \text{ mm}$ [13 in]
 MIN. PIT: $0.5 \times \text{OPENING HT} + 102 \text{ mm}$ [4 in]
 RETURN SPACE: 330 mm [13 in] BOTH SIDES
 CAR CLEARANCE: 171 mm [6 3/4 in]

COMPOUND 2:1

MIN. FLOOR TO FLOOR: $1.66 \times \text{OPENING HT} + 150 \text{ mm}$ [6 in]
 MIN. PIT: $0.33 \times \text{OPENING HT} + 102 \text{ mm}$ [4 in]
 RETURN SPACE: 330 mm [13 in] BOTH SIDES
 CAR CLEARANCE: 127 mm [5 in]
 MAX CAR LAP: 50 mm [2 in], BEFORE NOTCHING PLATFORM

COMPOUND 2:1 - PASS TYPE

MIN. FLOOR TO FLOOR: $1.17 \times \text{OPENING HT} + 406 \text{ mm}$ [16 in]
 MIN. PIT: $0.33 \times \text{OPENING HT} + 102 \text{ mm}$ [4 in]
 RETURN SPACE: 330 mm [13 in] BOTH SIDES
 CAR CLEARANCE: 170 mm [6 3/4 in]
 MAX CAR LAP: 50 mm [2 in], BEFORE NOTCHING PLATFORM

SINGLE SECTION SLIDE-UP

MIN. FLOOR TO FLOOR: $2 \times \text{OPENING HT} + 143 \text{ mm}$ [5 5/8 in]
 RETURN SPACE: 460 mm [18 in] BOTH SIDES
 CAR CLEARANCE: 171 mm [6 3/4 in]

TWO SECTION SLIDE-UP

MIN. FLOOR TO FLOOR: $1.5 \times \text{OPENING HT} + 279 \text{ mm}$ [11 in]
 RETURN SPACE: 460 mm [18 in] BOTH SIDES
 CAR CLEARANCE: 191 mm [7 1/2 in]

THREE SECTION SLIDE-UP

MIN. FLOOR TO FLOOR: $1.33 \times \text{OPENING HT} + 279 \text{ mm}$ [11 in]
 RETURN SPACE: 460 mm [18 in] BOTH SIDES
 CAR CLEARANCE: 241 mm [9 1/2 in]

CAR DOORS / GATES

SINGLE SECTION CAR GATE (MESH PANEL A17)

MIN. RAIL HEIGHT: $\text{OPENING HT} + 1829 \text{ mm}$ [72 in]
 CAR ENCLOSURE SETBACK: 114 mm [4 1/2 in]

TWO SECTION CAR GATE (MESH PANEL A17)

MIN. RAIL HEIGHT: $1.5 \times \text{OPENING HT} + 152 \text{ mm}$ [6 in]
 CAR ENCLOSURE SETBACK: 165 mm [6 1/2 in]

SINGLE SECTION SOLID PANEL (EN81)

MIN. RAIL HEIGHT: $2 \times \text{OPENING HT} + 356 \text{ mm}$ [14 in]
 CAR ENCLOSURE SET BACK: 165 mm [6 1/2 in]

TWO SECTION SOLID PANEL (EN81)

MIN. RAIL HEIGHT: $1.5 \times \text{OPENING HT} + 330 \text{ mm}$ [13 in]
 CAR ENCLOSURE SET BACK: 191 mm [7 1/2 in]

THREE SECTION SOLID PANEL (EN81)

MIN. RAIL HEIGHT: $1.33 \times \text{OPENING HT} + 330 \text{ mm}$ [13 in]
 CAR ENCLOSURE SET BACK: 229 mm [9 in]

Price Request Form

CUSTOMER DATA

Company _____
 Address _____

 Contact Person _____
 Phone _____
 Fax _____

GENERAL INFORMATION

Quantity of Elevators _____
 Number of Stops _____
 Door Quantity Front _____
 Rear _____
 Opening Width _____
 Opening Height _____
 Car Capacity (kg, lbs) _____
 Pit Depth _____
 Overhead _____

DOOR OPERATION

Manual
 Power
 Power Supply _____ V _____ Hz
 (Must be 3-phase)

LANDING DOOR DATA

Door Type

Biparting
 Slide-Up

Options

Auto Close System
 Electrical Material Package
 (Wires & Junction Boxes)

CAR DOOR / GATE DATA

Type of Car Gate

Wire Mesh
 Solid Panel

FINISH

Standard Powder Coat
 Stainless Steel Cladding
 Complete Stainless Steel
 (for special environment)

JOB SITE DATA

Job Name _____
 Job Location _____
 Elevator No _____
 Estimated Ship Date _____

APPLICABLE CODE

EN81
 ASME A17
 OTHER _____

INSTALLATION

New Installation
 Existing (replacement)

SHAFT / HOISTWAY CONDITIONS

NEMA 1/IP20 Normal
 NEMA 4/IP54, IP56 Moisture
 NEMA 4X/IP56 Corrosion
 NEMA 7/9 Explosion
 Class ___ Div. ___ Group ___

CONTROL ROOM CONDITIONS

NEMA 1/IP20 Normal
 NEMA 4/IP54, IP56 Moisture
 NEMA 4X/IP56 Corrosion
 NEMA 7/9 Explosion
 Class ___ Div. ___ Group ___

ENTRANCE FRAMES

YES Wall Thickness _____
 NO

CAR ENCLOSURE

Platform Width _____
 Platform Depth _____

WIRING PACKAGE

Wiring Material Package

Elevator and Shaft Data

Fill in dimensions

