

FREIGHT ELEVATORS

Complete Custom-Engineered Units



It takes a bunch of muscle to lift a 60,000-lb. fully loaded rig and Canton Elevator has it! We built one of the world's largest hydraulic freight elevators to lift semis 36-ft. for unloading at Chicago's Illinois Center. Our freight elevators are at work across the nation delivering the reliable performance industry demands for efficient and profitable operation.

Whether you need a sidewalk lift, platform lift, auto, truck or virtually any other special-purpose freight elevator system – you'll want to tap Canton Elevator engineering expertise. Because, we'll solve your vertical freight transportation problem with a state-of-the-art computerized design. It also means you'll receive a system that was assembled before it left our plant, assuring you a proper, trouble-free installation at the site.

FEATURES

- Furnished as complete systems or your choice of components
 - sling - platform - tie rods - guide shoes
 - complete cab includes lights and escape hatch
 - jack(s) - buffers - hitch plate
 - pump unit
 - rail brackets
 - vertical rise car gate - single or double section
 - car and hatch wireways - car-top station - cam-limits - leveling switches - pit stop switch
 - oil line
- Complete pre-assembly and Q.C. testing at our plant before shipping
- We can supply any type freight elevator door required
- Available with Class A, B, C1, C2, C3 loading capability



Freight elevator doors are designed to match the capacity and class of loading of the freight elevator.

ASME/ANSI A17.1 Code, Rule 1301.6 (latest revision) specifies door construction standards.

Calculations for stresses in the platform members (and doors) of freight elevators are based on the following concentrated loads assumed to occupy the position which will produce the maximum stress:

- (a) For Class A loading: 25% of the rated load.
- (b) For Class B loading: 75% of the rated load divided into two equal parts, 5 ft. (1524mm) apart.
- (c) For Class C1 loading: where the truck is carried by the elevator, with a load rating of 20,000 lbs. (9072 kg) or less: 80% of the rated load divided into two equal parts, 30 inches (762mm) apart.
- (d) For Class C2 loading: where the truck is not usually carried by the elevator, with a load rating of 20,000 lbs. (9072 kg) or less: 80% of the rated load or of the loaded truck weight, whichever is greater, divided into two equal parts, 30 inches (762mm) apart.
- (e) For Class C1 or C2 loading: with a rated load in excess of 20,000 lbs (9072 kg): 80% of 20,000 lbs. or of the maximum loaded truck weight, whichever is greater, divided into two equal parts, 30 inches (762mm) apart.
- (f) For Class C3 loading: determined on the basis of actual loading conditions, but not less than that required for Class A loading.

