

- (a) Two independent brakes, each capable of holding the maximum load;
- (b) Direct communication between terminals;
- (c) Power drives with emergency power available in case of primary power failure; and
- (d) Buckets equipped with positive locks to prevent accidental tripping or dumping.

**§ 57.10009 Riding loaded buckets.**

Persons shall not ride loaded buckets.

**§ 57.10010 Starting precautions.**

Where possible, aerial tramways shall not be started until the operator has ascertained that everyone is in the clear.

**Subpart J—Travelways and Escapeways**

TRAVELWAYS—SURFACE AND UNDERGROUND

**§ 57.11001 Safe access.**

Safe means of access shall be provided and maintained to all working places.

**§ 57.11002 Handrails and toeboards.**

Crossovers, elevated walkways, elevated ramps, and stairways shall be of substantial construction, provided with handrails, and maintained in good condition. Where necessary, toeboards shall be provided.

**§ 57.11003 Construction and maintenance of ladders.**

Ladders shall be of substantial construction and maintained in good condition.

**§ 57.11004 Portable rigid ladders.**

Portable rigid ladders shall be provided with suitable bases and placed securely when used.

**§ 57.11005 Fixed ladder anchorage and toe clearance.**

Fixed ladders shall be anchored securely and installed to provide at least 3 inches of toe clearance.

**§ 57.11006 Fixed ladder landings.**

Fixed ladders shall project at least 3 feet above landings, or substantial handholds shall be provided above the landings.

**§ 57.11007 Wooden components of ladders.**

Wooden components of ladders shall not be painted except with a transparent finish.

**§ 57.11008 Restricted clearance.**

Where restricted clearance creates a hazard to persons, the restricted clearance shall be conspicuously marked.

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**§ 57.11009 Walkways along conveyors.**

Walkways with outboard railings shall be provided wherever persons are required to walk alongside elevated conveyor belts. Inclined railed walkways shall be nonskid or provided with cleats.

**§ 57.11010 Stairstep clearance.**

Vertical clearance above stair steps shall be a minimum of seven feet, or suitable warning signs or similar devices shall be provided to indicate an impaired clearance.

**§ 57.11011 Use of ladders.**

Persons using ladders shall face the ladders and have both hands free for climbing and descending.

**§ 57.11012 Protection for openings around travelways.**

Openings above, below, or near travelways through which persons or materials may fall shall be protected by railings, barriers, or covers. Where it is impractical to install such protective devices, adequate warning signals shall be installed.

**§ 57.11013 Conveyor crossovers.**

Crossovers shall be provided where it is necessary to cross conveyors.

**§ 57.11014 Crossing moving conveyors.**

Moving conveyors shall be crossed only at designated crossover points.