

MIT

Design Standards

DIVISION 14 — Conveying Systems

Issued 2022

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1. 142100 - ELECTRIC TRACTION ELEVATORS

1.1 Project Includes

Machine-room-less electric traction elevators, passenger types.

1.2 Quality Assurance

Elevator Consultant: Syska Hennessy Group Boston and Van Deusen & Associates (VDA) have played a key role over the years with ensuring our elevator systems meet the MIT needs and expectations with quality and standards. For all capital projects we urge the design team to collaborate with one of these firms as needed.

Safety Code: ASME/ANSI A17.1 and local regulations.

Accessibility Requirements:

1. Americans with Disabilities Act Accessibility Guidelines (ADAAG).
2. Massachusetts Architectural Access Board (MAAB).
3. Local regulations.

Controls: Non-proprietary.

1.3 Products

Type: Machine-room-less, gearless traction.

Capacity: 3,500 pounds typical.

Cab Finishes: Stainless steel walls and ceiling with resilient flooring.

Door Panels: Stainless steel.

Hoistway Entrances: Stainless steel.

Miscellaneous Finishes: Stainless steel, AISI No. 4 satin finish.

Auxiliary Operations and Controls:

1. Key controlled car light switch and fan switch.
2. Alarm / emergency stop button.
3. Audible signals.
4. Automatic 2 way leveling.

5. Liner blanket hooks and blankets.
6. Emergency power operation

2. 144200 - WHEEL CHAIR LIFTS

2.1 Project Includes

Wheelchair lifts are not acceptable for new MIT projects. Remodeling of existing projects shall consider design options to remove existing wheelchair lifts.

3. 149100 - CHUTES

3.1 Project Includes

Chutes are not acceptable for new MIT projects.

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