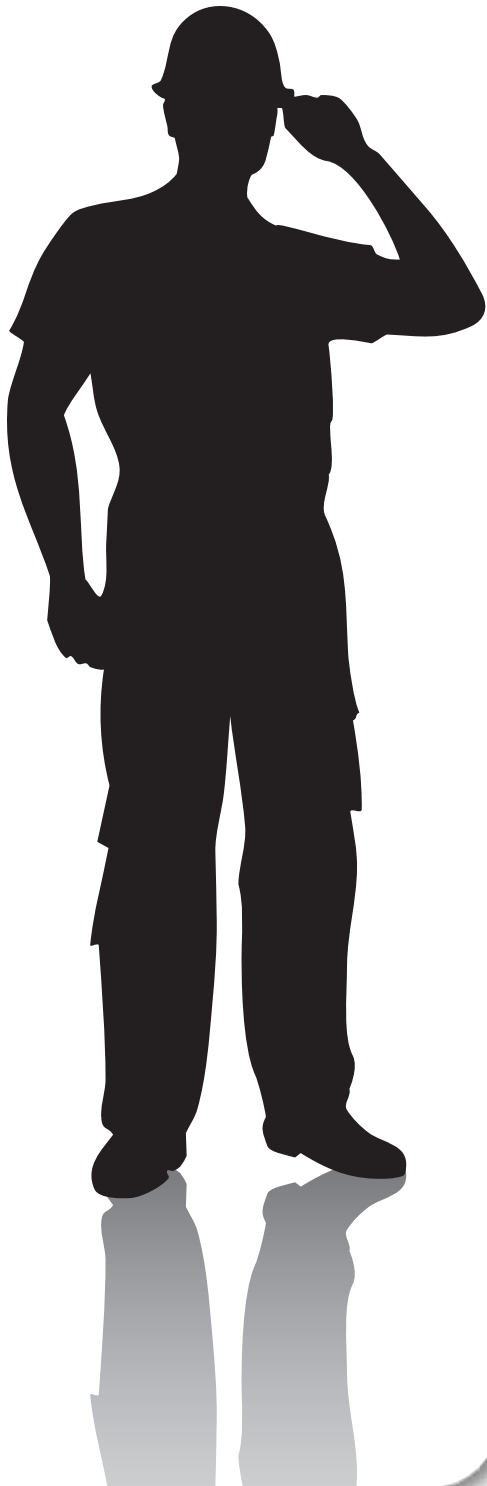


Chapter 13 Elevators



OBJECTIVES

By the end of this chapter, you will be able to:

Skill-Based

- ✦ Check and inspect floor leveling.
- ✦ Check operation of elevators.
- ✦ Perform a test on elevator doors.

Introduction

The objective of elevator maintenance is to ensure that the elevator system provides safe, dependable operation with maximum efficiency and minimum wear. A full maintenance contract from the manufacturer of the equipment installed in the building assures that they take full responsibility for that equipment. However, with a maintenance contract in place, the following should be checked and inspected to ensure the proper operation of the elevators.

Check and Inspect Elevator

The following should be reported to your supervisor:

- The platform of the elevator is not level with the floor when the door opens (Figure 13-1).
- The elevator doors cannot open fully at the destination floor for any reason (Figure 13-2).
- Unusual noises are heard during the operation of the elevator. “Look and listen” inspections will make you aware of potential troubles.

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Figure 13-1: Platform not level with floor



Figure 13-2: Elevator door not open fully

With a stopwatch, check the reaction time of the elevator doors.

1. Record a baseline time. This will be the time recorded the first time you measure the time it takes for the doors to close.
2. On a regular basis, measure the time and record and compare it against the baseline time.
3. Report the results to your supervisor.

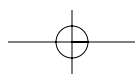
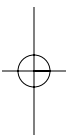
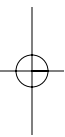
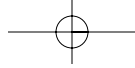


Review Questions

- 1 True or false? If the platform of the elevator is not level with the floor when the door opens, the technician can make the required adjustments without consulting an elevator service technician.
- 2 True or false? If the elevator door does not open completely for any reason, the facility maintenance technician should report the elevator as soon as possible to a qualified elevator technician or a supervisor.



PIVOT



Name: _____

Date: _____

**Elevators
Job Sheet**



Elevators

Upon completion of this job sheet, you should be able to identify any safety requirements not being met by the elevator.

- ① Is the elevator inspected and serviced on a regular schedule? (Y/N)
- ② Is the elevator capacity posted in the elevator car? (Y/N)
- ③ Is there an emergency phone in the elevator? (Y/N)
- ④ Is the turnaround space in the elevator 51 inches wide to conform to the Americans with Disabilities Act? (Y/N)

Instructor's Response:

