

**Tutorial 5**

**Lifts, Escalators and Paternosters**

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1. Briefly describe the requirements for planning a lift installation
2. Discuss the various methods for roping systems for electric lifts
3. Distinguish between down collective and full collective as applied to lifts
4. Describe the supervisory control system for three or more cars
5. Describe the different openings for lift doors that are available
6. State the main components/equipment/environment within a lift machine room
7. Explain the meaning of the following as applied to lift technology:
  - Overspeed governor
  - Safety gear
  - Buffers
  - Wedges
  - Steel cams
8. Describe the operation of a paternoster lift
9. Briefly describe the operation of a hydraulic lift, making reference to its upward and downward movement
10. Briefly describe for lift users the main issues for their comfort and convenience.
11. State the provisions required for firefighting lifts.
12. Briefly describe the electrical work required for a lift installation.
13. Describe and discuss fire escalators and the arrangement of configurations that is available.
14. Write your own summary of what you have learnt in this set of course notes.