

LIFT & ESCALATOR INDUSTRY ASSOCIATION

GT2F4 Fundamentals of Lift Technology

Course Content

Drawings

- Mechanical Drawings
- Electrical Diagrams and Symbols

Traction Lifts

- The Worm Drive Speed Reduction Unit
- Steel Wire Suspension Ropes for Lifts
- Other Suspension Means
- Guide Rails and Guide Shoes

The Machine Room-less Lift (MRL)

- Reference to Standards
- Underslung Lifts
- The Strength of the Guiding System
- Basic Outline of Machine Room-less Lifts
- MRL System Employing Coated Steel Belts
- MRL With Disc Motor

Mechanical Fault Finding

- Statutory Periodic Thorough Examination

Electrical Equipment

- A.C. Lift Motor
- D.C. Lift Motor

Electrical Fault Finding

- The Use of Schematic Circuit Diagrams
- Sequence of Investigation

Hydraulic Systems

- Jack Alignment
- Hydraulic Fluids
- Testing the Pipework and Seals

Fault Finding in Hydraulic Lift Systems

- Possible Trouble in Hydraulic Fluid
- Testing Equipment

