

CIBSE Guide D: 2025

Chapter 5 – Types of transportation systems

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What does Chapter 5 do?

Types of transportation Systems:

Provides a summary and application limitations for different types of lifts covering:

- Passenger lifts
- Goods passenger lifts
- Goods only lifts
- Observation lifts
- Service lifts (Dumbwaiters)
- Motor vehicle lifts

What does Chapter 5 do?

Types of transportation Systems:

- Rack and pinion lifts
- Rigid chain technology (RCT) Lifts
- Lifts for other purposes:
 - Cross reference to other sections plus Scissor lifts, Inclined lifts and Cycle lifts
- Future concepts:
 - A look ahead to new technologies and projected market changes
- Spatial requirements:
 - Shaft, pit, headroom and machine room, dimensions
- Structural considerations

What does Chapter 5 do?

Building types covered are aligned with Chapter 3:

- Airports
- Car parks
- Department stores
- Entertainment centres
- Hospitals
- Hotels
- Offices
- Railway stations
- Residential
- Care homes
- Shopping centres
- Universities and education

What has changed since 2020?

Codes, Standards and Regulations

- Aged standards updated, withdrawn and made obsolete as ISO 8100 series is expanding
- London Plan expectations for Evacuation lifts
- Alignment of stretcher accommodation in lifts with evacuation expectations

Products

- Update performance limitations to reflect current market capabilities for various lift types
- Seismic lift design

Areas to be reviewed

- Review and update codes, standards and regulation references
- Align advice on evacuation and stretcher lifts to reflect current and developing practice
- Include advice on stretcher accommodation not currently considered in Building Regulations
- Update lift type application capabilities and limitations etc.
- Consider possible need for seismic design based

Questions?

