As the foundation standard for data center design, BICSI 002 features 17 chapters and 12 appendices, spread over 575 pages, covering the following and more:

- **Design methodology**
  - Facilities, cabling, network, services and applications
  - Data center service outsourcing
  - Colocation planning

- **Site selection and space planning**
  - Edge, modular and "container" data centers
  - Site services and hazards /li>
  - Traditional and open concepts

- **Building structural and architectural requirements**

- **Electrical systems**
  - Utility to ITE power systems
  - Standby and backup power systems
  - DC power

- **Mechanical systems**
  - Heat rejection and cooling systems
  - Ventilation and air flow management
  - Immersion (liquid cooling)

- **Security and fire**
  - Architectural, electronic and operational security
  - Fire safety for chimneys and aisle enclosures

- **Facility and building systems**
  - DCIM
  - IP-enabled and intelligent systems

- **Telecommunications infrastructure**
  - Cabling media and connectivity
  - Hot and cold aisles
  - Cabinet airflow and cabling capacity

- **Network infrastructure**
- **Data center commissioning & maintenance**
- **Energy efficiency**
- **Multi-site data center architecture**