



## **27.1 General.**

### **27.1.1 Application.**

#### **27.1.1.1**

In addition to the requirements of Chapter 8 and Chapters 11 through 23, the following special occupancy reference standards and requirements shall apply for special occupancies within the scope of the referenced standards.

#### **27.1.1.2**

All provisions of design criteria in this standard, including design area increases and reductions, shall apply to the special occupancy requirements.

#### **27.1.1.3**

Where the requirements of the referenced standard differ from the requirements of this standard, the referenced standard shall take precedence.

### **27.1.2 Definitions.**

For terms not defined in Chapter 3, the definitions of the referenced standard shall apply.

## **27.2 Ignitable (Flammable and Combustible) Liquids.**

Fire sprinkler systems for the protection of ignitable (flammable and combustible) liquids shall be designed and installed in accordance with this standard and NFPA 30.

## **27.3 Aerosol Products.**

Fire sprinkler systems for the protection of aerosol products shall be designed and installed in accordance with this standard and NFPA 30B.

## **27.4 Drycleaning Facilities.**

Fire sprinkler systems for the protection of drycleaning facilities shall be designed and installed in accordance with this standard and NFPA 32.

## **27.5 Spray Applications Using Flammable or Combustible Materials.**

Fire sprinkler systems for the protection of spray areas used for spray applications using flammable or combustible materials shall be designed and installed in accordance with this standard and NFPA 33.

## **27.6 Dipping, Coating, and Printing Processes Using Ignitable(Flammable or Combustible) Liquids.**

Fire sprinkler systems for the protection of dipping, coating, and printing processes using ignitable (flammable or combustible) liquids shall be designed and installed in accordance with this standard and NFPA 34.

## **27.7 Solvent Extraction Plants.**

Fire sprinkler systems for the protection of solvent extraction plants shall be designed and installed in accordance with this standard and NFPA 36.

## **27.8 Stationary Combustion Engines and Gas Turbines.**

Fire sprinkler systems for the protection of stationary combustion engines and gas turbines shall be designed and installed in accordance with this standard and NFPA 37.

## **27.9 Cellulose Nitrate Film.**

Fire sprinkler systems for the protection of all cases of storage and handling of cellulose nitrate film shall be designed and installed in accordance with this standard and NFPA 40.

## **27.10 Laboratories Using Chemicals.**

Fire sprinkler systems for the protection of laboratory buildings as defined in 1.1.1 through 1.1.3 of NFPA 45 shall be designed and installed in accordance with this standard and NFPA 45.

**27.11 Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes.**

Fire sprinkler systems for the protection of oxygen-fuel gas systems for welding, cutting, and allied processes as defined in 1.1.1 of NFPA 51 shall be designed and installed in accordance with this standard and NFPA 51.

**27.12 Compressed Gases and Cryogenic Fluids Code.**

Fire sprinkler systems for the protection of compressed gases and cryogenic fluids as defined in Section 1.1 of NFPA 55 shall be designed and installed in accordance with this standard and NFPA 55.

**27.13 Utility LP-Gas Plants.**

Fire sprinkler systems for the protection of utility LP-gas plants shall be designed and installed in accordance with this standard and NFPA 59.

**27.14 Production, Storage, and Handling of Liquefied Natural Gas (LNG).**

Fire sprinkler systems for the protection of facilities that produce, store, and handle liquified natural gas (LNG) shall be designed and installed in accordance with this standard and NFPA 59A.

**27.15 Information Technology Equipment.**

Fire sprinkler systems for the protection of information technology equipment shall be designed and installed in accordance with this standard and NFPA 75.

**27.16 Telecommunication Facilities.**

Fire sprinkler systems for the protection of telecommunication facilities shall be designed and installed in accordance with this standard and NFPA 76.

**27.17 Incinerators and Waste and Linen Handling Systems and Equipment.**

Fire sprinkler systems for the protection of incinerators and waste and linen handling systems and equipment shall be designed and installed in accordance with this standard and NFPA 82.

**27.18 Ovens and Furnaces.**

Fire sprinkler systems for the protection of Class A, Class B, Class C, and Class D ovens, dryers, and furnaces; thermal oxidizers; and any other heated systems and related equipment used for processing of materials shall be designed and installed in accordance with this standard and NFPA 86.

**27.19 Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids.**

Fire sprinkler systems for the protection of exhaust systems for air conveying of vapors, gases, mists, and noncombustible particulate solids shall be designed and installed in accordance with this standard and NFPA 91.

**27.20 Class A Hyperbaric Chambers.**

Fire sprinkler systems for the protection of Class A hyperbaric chambers shall be designed and installed in accordance with this standard and NFPA 99.

**27.21 Coal Mines.**

Fire sprinkler systems for the protection of coal mines shall be designed and installed in accordance with this standard and NFPA 120.

**27.22 Metal/Nonmetal Mining and Metal Mineral Processing Facilities.**

Fire sprinkler systems for the protection of metal/nonmetal mining and metal processing facilities shall be designed and installed in accordance with this standard and NFPA 122.

**27.23 Fixed Guideway Transit and Passenger Rail Systems.**

Fire sprinkler systems for the protection of fixed guideway transit and passenger rail systems shall be designed and installed in accordance with this standard and NFPA 130.

**27.24 Motion Picture and Television Production Studio Soundstages, Approved Production Facilities, and Production Locations.**

Fire sprinkler systems for the protection of motion picture and television production studio soundstages, approved production facilities, and production locations shall be designed and installed in accordance with this standard and NFPA 140.

**27.25 Animal Housing Facilities.**

Fire sprinkler systems for the protection of animal housing facilities shall be designed and installed in accordance with this standard and NFPA 150.

**27.26 Water Cooling Towers.**

Fire sprinkler systems for the protection of water cooling towers shall be designed and installed in accordance with this standard and NFPA 214.

**27.27 Marine Terminals, Piers, and Wharves.**

Fire sprinkler systems for the protection of marine terminals, piers, and wharves shall be designed and installed in accordance with this standard and NFPA 307.

**27.28 Semiconductor Fabrication Facilities.**

Fire sprinkler systems for the protection of semiconductor fabrication facilities shall be designed and installed in accordance with this standard and NFPA 318.

**27.29 Hazardous Materials Code.**

Fire sprinkler systems for the protection of hazardous materials shall be designed and installed in accordance with this standard and NFPA 400.

**27.30 Aircraft Hangars.**

Fire sprinkler systems for the protection of aircraft hangars shall be designed and installed in accordance with this standard and NFPA 409.

**27.31 Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways.**

Fire sprinkler systems for the protection of airport terminal buildings, fueling ramp drainage, and loading walkways shall be designed and installed in accordance with this standard and NFPA 415.

**27.32 Aircraft Engine Test Facilities.**

Fire sprinkler systems for the protection of aircraft engine test facilities shall be designed and installed in accordance with this standard and NFPA 423.

**27.33 Advanced Light Water Reactor Electric Generating Plants.**

Fire sprinkler systems for the protection of advanced light water reactor electric generating plants shall be designed and installed in accordance with this standard and NFPA 804.

**27.34 Light Water Nuclear Power Plants.**

Fire sprinkler systems for the protection of light water nuclear power plants shall be designed and installed in accordance with this standard and NFPA 805.

**27.35 Cultural Resource Properties — Museums, Libraries, and Places of Worship.**

Fire sprinkler systems for the protection of museums, libraries, and places of worship shall be designed and installed in accordance with this standard and NFPA 909.