

**105.3.9.1 Department of Buildings required approval.** No permit shall be issued when work requires the approval of the Commissioner of Buildings in connection with a material, operation or facility unless proof is submitted to the department that such work has been approved by the Commissioner of Buildings.

**105.4 Design and installation documents.** Design and installation documents required to be submitted to the department pursuant to the provisions of this code, the rules or the construction codes, including but not limited to those set forth below, or as directed by the commissioner to demonstrate or document that a device, equipment, system, operation or facility regulated by this code is designed and installed in accordance with this code, shall be submitted in accordance with this section. Such submissions shall be reviewed by the department for compliance with the requirements of this code, the rules and other applicable laws, rules and regulations enforced by the department. The time limitations for approval of design and installation documents and for deeming such submissions abandoned shall be as set forth in FC 105.2.3 and 105.2.4.

1. Aerosol products storage facilities:
  - 1.1. General purpose warehouses (FC2804).
  - 1.2. Aerosol warehouses (FC2804).
  - 1.3. Liquid storage rooms (FC2804).
  - 1.4. Liquid warehouses (FC2804).
  - 1.5. Outdoor storage (FC2805).
  - 1.6. Retail display (FC2806).
2. Aircraft fueling systems (FC1106).
3. Ammonia diffusion systems for refrigerating systems using ammonia refrigerant (FC606).
4. Cellulose nitrate film storage facilities (FC306).
5. Combustible fibers storage facilities:
  - 5.1. Loose fiber storage (FC2904).
  - 5.2. Baled fiber storage (FC2905).
6. Combustible material storage (FC315).
7. Commercial cooking system fire extinguishing systems (FC904).
8. Corrosive materials systems and facilities:
  - 8.1. Storage (FC3104).
  - 8.2. Handling and use (FC3105).
9. Cryogenic fluids systems and facilities:
  - 9.1. Storage (FC 3203 and 3204).
  - 9.2. Handling and use (FC 3203 and 3205).
  - 9.3. Liquefied natural gas facilities (FC3206).

10. Dry cleaning systems using Class II and III solvents (FC1207).
11. Explosion control systems for certain hazardous materials and special uses (FC911).
12. Explosion (dust) protection systems for combustible metals, metal powders, metal dusts and sulfur (FC1304).
13. Explosives (FC3304).
14. Facilities in which a fumigant or insecticidal fogger are designed to be used in a stationary installation (FC1703).
15. Fire alarm systems (FC907 and Section 907 of the Building Code).
16. Fire apparatus access roads and security gates installed across such roads (FC503).
17. Fire department in-building auxiliary radio communication systems (FC511).
18. Fixed guideway transit and passenger rail systems (FC321):
  - 18.1. Emergency ventilation systems.
  - 18.2. Emergency voice communication systems.
  - 18.3. Means of egress.
  - 18.4. Standpipe systems and other fire protection systems.
19. Flammable and combustible liquids systems and facilities:
  - 19.1. Piping, equipment, tanks, plants, terminals, fuel-dispensing facilities and similar facilities where flammable and combustible liquids are manufactured, stored, handled or used, including dispensing (FC3404).
  - 19.2. Group M occupancy wholesale and retail sales uses (FC3404).
  - 19.3. Liquid storage rooms (FC3404).
  - 19.4. Liquid storage warehouses (FC3404).
  - 19.5. Outdoor storage (FC3404).
  - 19.6. Bulk plants and terminals (FC3406).
20. Flammable gases systems and facilities:
  - 20.1. Storage (FC3504).
  - 20.2. Handling and use (FC3505).
  - 20.3. CNG storage in portable containers (FC3508).
  - 20.4. Methane gas recovery from landfills (FC3509).
  - 20.5. Compressing of a flammable gas, including piped natural gas, to a pressure exceeding 6 psig (41.4 kPa) (FC Chapter 35).
  - 20.6. Detection and alarm systems (FC 908.9 and 2211.7.2).
21. Flammable solids systems and facilities:
  - 21.1. Storage (FC3604).
  - 21.2. Handling and use (FC3605).

22. Flammable/combustible spraying, dipping or powder-coating systems and facilities:
  - 22.1. Spray booths (spray finishing) (FC1504).
  - 22.2. Spray rooms (spray finishing) (FC1504).
  - 22.3. Dip tanks (FC1505).
  - 22.4. Spray booths (powder coating) (FC1506).
  - 22.5. Spray rooms (powder coating) (FC1506).
  - 22.6. Limited spraying space (FC1504).
23. Flaring systems for refrigerating systems using flammable or toxic or highly toxic refrigerants (FC606).
24. Hazardous materials systems and facilities (FC 2703, 2704 and 2705) (applicable to compressed gases, corrosive materials, cryogenic fluids, explosives, flammable and combustible liquids, flammable gases, flammable solids, highly toxic and toxic materials, LPG, organic peroxides, oxidizers, pyrophoric materials, unstable (reactive) materials and water-reactive solids and liquids):
  - 24.1. Tanks (FC2703).
  - 24.2. Piping, tubing, valves and fittings (FC2703).
  - 24.3. Highly toxic and toxic compressed gas rooms (FC2703).
25. Highly toxic and toxic materials systems and facilities:
  - 25.1. Storage, handling and use of highly toxic and toxic solids and liquids (FC3703).
  - 25.2. Storage, handling and use of highly toxic and toxic compressed gases (FC3704).
  - 25.3. Ozone gas generators (FC3705).
  - 25.4. Detection and alarm systems (FC 908.3 and 3704.2).
26. High-piled combustible storage areas (FC2301).
27. Industrial furnaces (FC2101).
28. LPG (FC3801).
29. Marina fire protection systems (FC319).
30. Medical gases:
  - 30.1. Storage and piping systems (FC3006).
  - 30.2. Monitoring and alarm systems (FC3006.4).
31. Motor fuel dispensing facilities (FC2201):
  - 31.1. Fleet motor fuel-dispensing facilities.
  - 31.2. Full-service motor fuel-dispensing facilities.
  - 31.3. Self-service motor fuel-dispensing facilities.
32. Natural gas distribution piping systems designed for or operated at 15 psig (103 kPa gauge) or greater (Fuel Gas Code).
33. Nonflammable compressed gases systems and facilities (FC3003).

34. Non-water fire extinguishing systems:
  - 34.1. Wet chemical systems (FC904).
  - 34.2. Dry chemical systems (FC904).
  - 34.3. Foam systems (FC904).
  - 34.4. Carbon dioxide systems (FC904).
  - 34.5. Halon systems (modification of lawfully existing installations) (FC904).
  - 34.6. Clean agent systems (FC904).
  - 34.7. Aerosol systems (FC904).
35. Organic coating manufacturing process facilities (FC2005).
36. Organic peroxides storage and facilities:
  - 36.1. Storage (FC3904).
  - 36.2. Handling and use (FC3905).
37. Oxidizer systems and facilities:
  - 37.1. Storage (FC4004).
  - 37.2. Handling and use (FC4005).
38. Oxygen-fuel gas systems (FC 2601 and 2609).
39. Private fire hydrant systems (FC508).
40. Pyrophoric materials systems and facilities:
  - 40.1. Storage (FC4104).
  - 40.2. Handling and use (FC4105).
  - 40.3. Storage, handling and use of silane gas (FC 4104 and 4105).
41. Pyroxylin plastics systems and facilities (FC4204).
42. Semiconductor fabrication facilities:
  - 42.1. Facilities (FC1803).
  - 42.2. Fabrication areas (FC1803).
  - 42.3. Hazardous production material (HPM) rooms (FC1803).
43. Sprinkler systems where the design requirements are specified in this code (FC 2209, 2306, 2307, 2308, 2309, 2310, 2804, 2806 and 3404).
44. Treatment systems for refrigerating systems using toxic or highly toxic refrigerants (FC606).
45. Unstable (reactive) materials systems and facilities:
  - 45.1. Storage (FC4304).
  - 45.2. Handling and use (FC4305).
46. Vehicle tunnels and bridges (FC322):

- 46.1. Emergency ventilation systems.
- 46.2. Emergency voice communication systems.
- 46.3. Means of egress.
- 46.4. Standpipe systems and other fire protection systems.

47. Water-mist fire extinguishing systems (FC904).

48. Water-reactive solids and liquids systems and facilities:

- 48.1. Storage (FC4404).
- 48.2. Handling and use (FC4405).

49. Yard hydrant systems (FC 508.2.3 and 3406.4.10.5).

**105.4.1 Submissions.** Design and installation documents shall be submitted in such number and in such form and detail as may be prescribed by the commissioner. The design and installation documents shall be prepared by a registered design professional. The commissioner may require that such submissions be made in an approved electronic format or medium.

**105.4.2 Information on design and installation documents.** Design and installation documents shall be drawn to scale. Design and installation documents shall indicate the location, nature and extent of the work proposed and demonstrate compliance with the requirements of this code, the rules and other applicable laws, rules and regulations.

**105.4.3 Reserved.**

**105.4.4 Approved documents.** The commissioner shall approve, or deny, or preliminarily deny design and installation documents in accordance with the procedures and time periods set forth in FC105.2.4. Upon review and approval of design and installation documents, the commissioner shall mark such approval upon such documents and/or issue a letter of approval or other form of written authorization. Design and installation documents approved by the commissioner are approved with the intent that such design and installation documents comply in all respects with the requirements of this code, the rules and any other applicable laws, rules or regulations. Review and approval by the commissioner shall not relieve the applicant of the responsibility of compliance with the requirements of this code, the rules and any other applicable laws, rules or regulations.

**105.4.5 Inspection and testing.** The commissioner may require that, upon completion, any installation for which approved design and installation documents are required by this code or the rules be inspected and/or subjected to acceptance testing in the presence of a department representative.

**105.4.6 Corrected documents.** Where field conditions necessitate any change from the approved design and installation documents, corrected design and installation documents or other documentation acceptable to the department shall be submitted.

**105.4.7 Retention of design and installation documents.** One set of design and installation documents shall be retained by the commissioner. One set of approved design and installation documents shall be returned to the applicant, and shall be kept on the site of the building or structure or at the work site at all times and readily available for inspection by any representative of the department until the required permit is posted on the premises as required by FC105.3.5, or where no permit is required, until the work performed under such approved design and installation documents has been inspected and approved by the department.

**105.5 Revocation.** The commissioner may revoke a permit issued under the provisions of this code when:

1. the permit is used for a location or establishment other than that for which it was issued.
2. the permit is used for a purpose or operation other than that listed in the permit.
3. conditions and limitations set forth in the permit have been violated.
4. there has been a false statement or misrepresentation material to the issuance of the permit.
5. the party engaging in the manufacture, storage, handling, use, sale or transportation of hazardous materials or combustible materials, or conducting an operation or maintaining a facility is different from the party to whom the permit was issued.
6. the permit holder fails, refuses or neglects to timely comply with the commissioner's orders or notices of violation duly served in accordance with this code, or other law, rule or regulation enforced by the department.
7. the permit was issued in error or in violation of this code or other applicable law, rule or regulation.
8. circumstances or conditions material to the issuance of the permit applied for have changed.
9. other good cause exists.

**105.6 Required permits.** The commissioner shall issue the following permits for the manufacture, storage, handling, use, transportation and sale of the following materials, the conduct of the following operations, and the design, installation, operation and maintenance of the following facilities in accordance with this code and the construction codes, including the Building Code:

**Aerosol products.** A permit is required to store, handle or use an aggregate quantity of Level 1, 2 or 3 aerosol products in excess of 100 pounds (45.4 kg) net weight.

**Amusement buildings.** A permit is required to maintain or operate a special amusement building.