



Sacramento Metropolitan Fire District

Community Risk Reduction Division

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CELLULOSE NITRATE FILM CHECKLIST

California Fire Code Chapter 65

Scope

An operational permit is required to store, handle or use cellulose nitrate film in a Group A occupancy.

Conditions:

- Projection room is provided where ribbon type cellulose nitrate film is used. (CFC 306.1)
- Openings in wall between projection room and auditorium do not exceed 25%. (CFC 306.1 and CBC 409.2)
- Each projection machine is equipped with exhaust duct and duct terminates at building exterior. (CFC 306.1 and CBC 409.3.3)
- Auditorium and egress lighting controls are provided at projection room and other convenient location. (CFC 306.1 and CBC 409.4)
- 25 lb, 5 standard rolls not exceeding 750 lbs or 150 standard rolls of film is stored in Underwriter's approved cabinet or vault. (CFC 306.2 and NFPA 40, 6.1)
- More than 750 lbs or 150 standard rolls of film are stored in vault. (CFC 306.2 and NFPA 40, 6.1)
- Storage cabinets do not exceed 375 lbs or 75 standard rolls of film. (CFC 306.2 and NFPA 40, 6.2.2)
- Cabinets having a capacity of more than 75 lbs. or 15 standard rolls of film are provided with at least 1 automatic sprinkler head. (CFC 306.2 and NFPA 40, 6.2.5.1)
- Film cans in cabinet stored on edge are not more than 25 per shelf and not more than 5 cans high or 3 stacks per shelf. (CFC 306.2 and NFPA 40, 6.2.6)
- Walls and floors of vault are 4-hour rated construction and provided with 3-hour self-closing door(s). (CFC 306.2 and NFPA 40, 6.3)
- Vault temperature control and ventilation is provided and maintained. (CFC 306.2 and NFPA 40, 6.3.3)

- Vault vents terminate above the roof and 50 feet or more horizontally from windows or openings. (CFC 306.2 and NFPA 40, 6.3.4.5)
- Rack in film vault is of hardwood or noncombustible, insulating material. (CFC 306.2 and NFPA 40, 6.3.6.1)
- Rack in film vault is provided vertical, noncombustible barriers separating rack into 3 foot sections and shelf is 1 inch or more larger than film can. (CFC 306.2 and NFPA 40, 6.6.6.1/6.3.6.3)
- Fire suppression system is installed, tested and maintained at film vault. (CFC 306.2 and NFPA 40, 6.3.7/6.3.7.1)
- Class I, Group D light fixtures are provided and maintained at film vault. (CFC 306.2 and NFPA 40, 4.6)
- Extended term storage cabinets and vaults meet the requirements of NFPA 40, 6.4 and 6.5
- Portable fire extinguishers of types using water or water solutions are provided in every room in which nitrate film is stored or handled. (NFPA 5.3)

Additional Requirements may apply