

SECTION 10 44 16

FIRE EXTINGUISHERS
06/06

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

INTERNATIONAL CODE COUNCIL (ICC)

IFC 1414 (2004) Portable Fire Extinguishers (Where Required) (Construction, Alteration, Demolition)

IFC 906 (2004) Portable Fire Extinguishers

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 1 (2006) Uniform Fire Code, 2006 Edition

NFPA 10 (2006; Errata 2006) Standard for Portable Fire Extinguishers

NFPA 101 (2005; Errata 2006; TIA 2006; TIA 2006) Life Safety Code, 2006 Edition

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910.106 Flammable and Combustible Liquids

29 CFR 1910.157 (2003) Portable Fire Extinguishers

UNDERWRITERS LABORATORIES (UL)

UL 299 (2002; Rev thru Aug 2007) Standards for Dry Chemical Fire Extinguishers

UL 8 (2005; Rev thru Sep 2007) Standards for Water Base Agent Fire Extinguishers

1.2 SUBMITTALS

SD-01 Preconstruction Submittals

Manufacturer's Data for each type of required Fire Extinguisher with all related details, cabinets, accessories, and recommended operation manuals.

SD-02 Shop Drawings

Submit fabrication drawings for the following items consisting of fabrication and assembly details to be performed in the factory. Submit installation drawings for the following items in accordance with the paragraph entitled, "Installation," of this section.

Fire Extinguishers
Accessories
Wall Brackets

SD-03 Product Data

Submit Manufacturer's catalog and warranty data for the following items:

Fire Extinguishers
Accessories
Wall Brackets
Replacement Parts

SD-07 Certificates

Submit Certificates showing the following:

Certification that Fire Extinguishers comply with local codes and regulations.

Certification that Fire Extinguishers comply with OSHA, NFPA, and UL requirements.

Submit Manufacturer's Warranty with Inspection Tag on each extinguisher.

Guarantee that Fire Extinguishers are free of defects in materials, fabrication, finish, and installation and that they will remain so for a period of not less than 1 year after completion.

1.3 DELIVERY, HANDLING, AND STORAGE

Protect materials from weather, soil, and damage during delivery, storage, and construction.

Deliver materials in their original packages, containers, or bundles bearing the brand name and the name and type of the material.

PART 2 PRODUCTS

2.1 TYPES

Fire Extinguishers must conform to NFPA 10. Quantity and placement must comply with the applicable sections of IFC 1414, IFC 906, NFPA 1, NFPA 101, , 29 CFR 1910.106 and 29 CFR 1910.157.

Provide dry chemical Class A,B,C type fire extinguishers compliant with UL 299.

Provide wet chemical Class K type fire extinguisher compliant with UL 8.

Submit **Manufacturer's Data** for each type of **Fire Extinguisher** required, detailing all related **Cabinet**, Wall Mounting and Accessories information, complete with **Manufacturer's Warranty with Inspection Tag**.

2.2 MATERIAL

Extinguisher shell must be corrosion-resistant steel.

2.3 SIZE

Extinguishers must be 5 pounds.

2.4 ACCESSORIES

Provide accessories per UL 8 and UL 299.

2.5 WALL BRACKETS

Provide spring-clip fire extinguisher wall brackets.

Wall bracket and Accessories must be as approved.

PART 3 EXECUTION

3.1 INSTALLATION

Install Fire Extinguishers where indicated on the drawings. Verify exact locations prior to installation.

Comply with the manufacturer's recommendations for all installations.

Provide extinguishers which are fully charged and ready for operation upon installation. Provide extinguishers complete with Manufacturer's Warranty with Inspection Tag attached.

3.2 ACCEPTANCE PROVISIONS

3.2.1 Repairing

Remove and replace damaged and unacceptable portions of completed work with new work at no additional cost to the Government.

Provide **Replacement Parts** list indicating specified items replacement part, replacement cost, and name, address and contact for replacement parts distributor.

3.2.2 Cleaning

Clean all surfaces of the work, and adjacent surfaces which are soiled as a result of the work. Remove from the site all construction equipment, tools, surplus materials and rubbish resulting from the work.