

SECTION 10520 FIRE-PROTECTION SPECIALTIES**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Portable fire extinguishers.

1.3 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for fire-protection specialties.
 - 1. Fire Extinguishers: Include rating and classification.
 - 2. Standard Wall Bracket.

1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain fire extinguishers and cabinets through one source from a single manufacturer.
- B. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Standard for Portable Fire Extinguishers."
- C. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.

1.5 WARRANTY

- A. The Contractor and the Manufacturer shall warrant all manufactured items supplied under this section for a period of one (1) year. Warranty period shall commence on the date of substantial completion and shall meet the requirements outlined in Division 0 and Division 1. This warranty shall include repair or replacement of any item failing during normal use. In the event that the manufacturer's standard warranty for any given item exceeds the period of one (1) year following substantial completion, then the longer period shall govern.
- B. Manufactured items shall be warranted to be free from defects in workmanship, design and materials. If any part of the equipment should fail during the warranty period, it will be replaced at no expense to the Owner.
- C. The Manufacturer's warranty period shall run concurrently with the Contractor's warranty period. No exceptions to this provision shall be allowed.
- D. Refer to Section 01740 for additional warranty requirements.

Oakhurst Dairy – New Milk Cooler

PART 2 - PRODUCTS**2.1 MANUFACTURERS**

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Portable Fire Extinguishers:
 - a) J.L. Industries, Inc.
 - b) Kidde: Walter Kidde, The Fire Extinguisher Co.
 - c) Larsen's Manufacturing Company.
- B. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the products specified in the Fire-Protection Cabinet Schedule at the end of Part 3.

2.2 MATERIALS

- A. Cold-Rolled Steel Sheet: Carbon steel, complying with ASTM A 366/A 366M, commercial quality, stretcher leveled, temper rolled.

2.3 PORTABLE FIRE EXTINGUISHERS

- A. General: Provide fire extinguishers of type, size, and capacity for each standard wall bracket as indicated on drawing floor plans.
- B. Multipurpose Dry-Chemical Type: UL-rated 4-A:60-B:C, 10-lb nominal capacity, in enameled-steel container.

2.4 ACCESSORIES

- A. Mounting Brackets: Manufacturer's standard steel, designed to secure extinguisher, of sizes required for types and capacities of extinguishers indicated, with plated or baked-enamel finish.
- B. Identification: Provide lettering to comply with authorities having jurisdiction for letter style, color, size, spacing, and location. Locate as indicated on drawings.
 - 1. Identify bracket-mounted extinguishers with the words "FIRE EXTINGUISHER" in red letter decals applied to wall surface.
 - a) Application Process: Silk-screened.
 - b) Lettering Color: White.
 - c) Orientation: Vertical.

PART 3 - EXECUTION**3.1 EXAMINATION**

- A. Examine walls and partitions for suitable framing depth and blocking where semirecessed cabinets are to be installed.
- B. Examine fire extinguishers for proper charging and tagging.
 - 1. Remove and replace damaged, defective, or undercharged units.

Oakhurst Dairy – New Milk Cooler

- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing fire-protection specialties.
- B. Install in locations and at mounting heights indicated or, if not indicated, at heights acceptable to authorities having jurisdiction.
 - 1. Fasten mounting brackets to structure.

3.3 ADJUSTING, CLEANING, AND PROTECTION

- A. Adjust cabinet doors that do not swing or operate freely.
- B. Refinish or replace cabinets and doors damaged during installation.
- C. Provide final protection and maintain conditions that ensure that cabinets and doors are without damage or deterioration at the time of Substantial Completion.

3.4 FIRE-PROTECTION SCHEDULE

- A. Fire-Extinguisher FE-1: Where this designation is indicated, provide portable fire-extinguisher complying with the following:
 - 1. Products: Available products include the following:
 - a) Cosmic 10E by J.L. Industries.
 - b) MP-10 by Larsen's Inc.
 - 2. Agent: Multi purpose dry chemical.
 - 3. Rating 4A-60BC.
- B. Fire-Extinguisher Wall Bracket FEB-1: Where this designation is indicated, provide fire protection standard wall hung bracket.

END OF SECTION 10520