SECTION 10.44.00
FIRE PROTECTION SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES
A. Fire extinguishers.
B. Fire extinguisher cabinets.
C. Fire rated fire extinguisher cabinets.
D. Accessories.

1.02 RELATED REQUIREMENTS
A. Section 06.10.00 - Rough Carpentry: Wood blocking product and execution requirements.
B. Section 09.91.23 - Interior Painting: Field paint finish.

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS
A. See Section 01.30.00 - Administrative Requirements, for submittal procedures.
B. Shop Drawings: Indicate cabinet physical dimensions, rough-in measurements for recessed cabinets, wall bracket mounted measurements, and location.
C. Product Data: Provide extinguisher operational features, color and finish, and anchorage details.
D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
F. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

1.05 TENNESSEE SUSTAINABLE DESIGN GUIDELINES COMPLIANCE DOCUMENTATION
B. Provide documentation of construction waste diverted from landfills:
   1. Compliance with Credit 1.02-D-2: Construction Waste Management.
C. Submit shop drawing documentation demonstrating SDG compliance for the following:
   1. Compliance with Credit 1.02-D-3-a: Sustainable Materials - Recycled content 10%
   2. Compliance with Credit 1.02-D-3-b: Sustainable Materials - Rapidly renewables
   3. Compliance with Credit 1.02-D-3-c: Sustainable Materials - Certified wood
   4. Compliance with Credit 1.02-D-3-d: Sustainable Materials - Material reuse
   5. Compliance with Credit 1.02-E-6-b: Material VOC Limits - Adhesive and Sealants
   6. Compliance with Credit 1.02-E-6-b: Material VOC Limits - Paints
   7. Compliance with Credit 1.02-E-6-b: Material VOC Limits - Coatings and Anti-corrosive paints
   8. Compliance with Credit 1.02-E-6-c: Material VOC Limits - Flooring systems
   9. Compliance with Credit 1.02-E-6-d: Material VOC Limits - Composite wood and agrifiber
D. Submit documentation of quantity and material cost with monthly Application for Payment to the Contractor.
1.06 FIELD CONDITIONS
A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.01 MANUFACTURERS
A. Fire Extinguishers:
   4. Substitutions: See Section 01.60.00- Product Requirements.
B. Fire Extinguisher Cabinets and Accessories:
   4. Substitutions: See Section 01.60.00- Product Requirements.

2.02 FIRE EXTINGUISHERS
A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
B. Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gage.
   2. Class: 4A: 80B: C.
   3. Size: 10 pound.
C. FE-36 Type Fire Extinguishers: Stainless steel tank, with pressure gage.
   1. Class: A:B:C.
   2. Size: 10 pound.
   3. Size and classification as scheduled.
   4. Finish: No. 4.

2.03 FIRE EXTINGUISHER CABINETS
A. Metal: Formed primed steel sheet; 0.036 inch thick base metal.
B. Cabinet Configuration: Recessed type.
   1. Sized to accommodate accessories.
   2. Trim: Returned to wall surface, with 1/2 inch nominal projection, 1-1/2 inch nominal wide face.
   3. Form cabinet enclosure with right angle inside corners and seams. Form perimeter trim and door stiles.
C. Door: 1/2 inch thick, reinforced for flatness and rigidity; latch. Hinge doors for 180 degree opening with continuous piano hinge. Provide roller type catch.
D. Provide fire rated cabinets where shown installed in fire rated walls to match or exceed the rating of the wall.
E. Door Glazing: Glass, clear, 1/8 inch thick heat strengthened. Set in resilient channel gasket glazing.
F. Cabinet Mounting Hardware: Appropriate to cabinet. Pre-drill for anchors.
G. Weld, fill, and grind components smooth.
H. Finish of Cabinet Exterior Trim and Door: Baked enamel, color as selected.
I. Finish of Cabinet Interior: White enamel.
2.04 ACCESSORIES
   A. Extinguisher Brackets: Formed steel, chrome-plated.

PART 3 EXECUTION

3.01 EXAMINATION
   A. Verify existing conditions before starting work.
   B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION
   A. Install in accordance with manufacturer's instructions.
   B. Install cabinets plumb and level in wall openings, 48 inches from finished floor to extinguisher handle.
   C. Install cabinets plumb and level in wall openings.
   D. Secure rigidly in place.
   E. Place extinguishers in cabinets.

END OF SECTION