

Approved: 2008-06-30

**Part 1            General**

**1.1                REFERENCE STANDARDS**

- .1 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
  - .1 Material Safety Data Sheets (MSDS).
- .2 National Fire Protection Association (NFPA)
  - .1 NFPA 10, Standard for Portable Fire Extinguishers.

**1.2                ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Provide submittals in accordance with Section 01 33 00- Submittal Procedures.
- .2 Product Data:
  - .1 Submit manufacturer's printed product literature and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
  - .2 Submit two copies WHMIS MSDS - Material Safety Data Sheets in accordance with Section 02 81 01- Hazardous Materials.
- .3 Provide shop drawings.
- .4 Quality control submittals: submit following in accordance with Section 01 45 00- Quality Control.
  - .1 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, cleaning procedures .
  - .2 Manufacturer's Field Reports: submit manufacturer's written reports within 3days of review, verifying compliance of Work, as described in PART 3, FIELD QUALITY CONTROL.
- .5 Closeout Submittals:
  - .1 Provide operation and maintenance data for incorporation into manual specified in Section 01 78 00- Closeout Submittals.

**1.3                DELIVERY, STORAGE AND HANDLING**

- .1 Packing, shipping, handling and unloading:
  - .1 Deliver, store and handle materials in accordance with Section 01 61 00- Common Product Requirements.
- .2 Waste Management and Disposal:
  - .1 Separate waste materials for recycling in accordance with Section 01 74 21- Construction/Demolition Waste Management and Disposal.

**Part 2**

**Products**

**2.1 WATER PUMP TANK EXTINGUISHERS**

- .1 Stored water tank type, manual pump and handle with discharge hose and nozzle, copper tank construction, ULC labelled for A class protection. 9.1L size.

**2.2 WATER PRESSURIZED EXTINGUISHERS**

- .1 Stored pressure type, squeeze-grip operated of stainless steel construction, ULC labelled for A class protection. 9.1L size.

**2.3 MULTI-PURPOSE DRY CHEMICAL EXTINGUISHERS**

- .1 Stored pressure rechargeable type with hose and shut-off nozzle, ULC labelled for A, B and C class protection.
  - .1 Size 14 kg or as indicated.

**2.4 ORDINARY DRY CHEMICAL EXTINGUISHERS**

- .1 Stored pressure rechargeable type with hose and shut-off nozzle, ULC labelled for B and C class protection.
  - .1 Sizes 14 kg or as indicated.

**2.5 CARBON DIOXIDE**

- .1 Extinguishers Insulated handle, hose and horn discharge assembly, self-closing lever or squeeze-grip operation, fully charged, ULC labelled for B and C class protection.
  - .1 Sizes 9.0 kg or as indicated.

**2.6 DRY CHEMICAL EXTINGUISHERS (CLASS D)**

- .1 Cartridge operated type with hose and shut-off nozzle, ULC labelled for D class protection.
  - .1 Size 13.6 kg or as indicated.

**2.7 KITCHEN EXTINGUISHERS (CLASS K)**

- .1 Stored pressure rechargeable type ULC labelled for K class protection.
  - .1 Size 6.0 litres or as indicated.

**2.8 EXTINGUISHER BRACKETS**

- .1 Type recommended by extinguisher manufacturer.

**2.9 CABINETS**

- .1 Surface type as indicated, constructed of 1.6 mm thick steel, 180 degrees opening door of 2.5 mm thick steel with latching device.
- .2 Cabinet to maintain fire resistive rating of construction in which they occur.
- .3 Cabinet door: with 5 mm full glass panel.

- .4 Finish:
  - .1 Tub: prime coated.
  - .2 Door and frame: No.4 satin finish stainless steel.

## **2.10 IDENTIFICATION**

- .1 Identify extinguishers in accordance with recommendations of ANSI/NFPA 10.
- .2 Attach bilingual tag or label to extinguishers, indicating month and year of installation. Provide space for service dates.

## **2.11 FIRE SAFETY BLANKETS**

- .1 1800 x 1800 mm of silicone coated fibre glass in metal container.

## **Part 3 Execution**

### **3.1 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's written recommendations, including product technical bulletins, handling, storage and installation instructions, and datasheets.

### **3.2 INSTALLATION**

- .1 Install or mount extinguishers in cabinets or on brackets as indicated in accordance with NFPA 10.
- .2 Install fire safety blankets as indicated.

### **3.3 FIELD QUALITY CONTROL**

- .1 Manufacturer's Field Services:
  - .1 Provide manufacturer's field services consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

**END OF SECTION**