

1. GENERAL

1.1 General

- .1 For additional information, refer to Section 21 05 01 – Common Work Results for Mechanical and Division 1 - General Conditions of the Contract.
- .2 For a list of applicable codes and standards, refer to Section 21 05 01 – Common Work Results for Mechanical.
- .3 The Mechanical Contractor shall be responsible for coordinating all aspects of this work.
- .4 Locations of equipment, ductwork, pipework, and all associated appurtenances indicated on the Drawings are approximate only. The Contractor is responsible for checking and coordinating the locations of equipment, ductwork, pipework, and all associated appurtenances and shall make any necessary adjustments in positions to conform with the architectural features, other services, symmetry and lighting arrangements.

1.2 Scope of Work

- .1 The scope of work for this section includes, but is not limited to, the following:
 - .1 Materials and procedures for the provision and installation of fire extinguishers.

1.3 Related Work

- .1 This Section may not contain all materials, equipment and requirements required for the completion of this project. This Section is to be read in conjunction with the remaining Sections of Division 21, 22 and 23 any and all related works.
- .2 Division 1 forms an integral part of Division 10, 21, 22 and 23.
- .3 Related Requirements:
 - .1 Section 21 05 01 – Common Work Results for Mechanical.

1.4 References

- .1 Except as specified herein, the latest edition of the standards listed below form a part of this Specification to the extent referenced in this Section. Where earlier editions of standards are adopted as referenced in applicable codes, those shall govern. The publications are referred to within the text by the basic designation only.
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .3 National Fire Protection Association (NFPA)
 - .1 NFPA 10, Standard for Portable Fire Extinguishers.

1.5 Action and Informational Submittals

- .1 Refer to Section 21 05 01 - Common Work Results for Mechanical.
- .2 Product Data:
 - .1 Provide manufacturer's printed product literature and data sheets for equipment and systems and include product characteristics, performance criteria, physical size, finish and limitations.
 - .2 Submit copies of WHMIS MSDS - Material Safety Data Sheets.
- .3 Shop Drawings
 - .1 Submit shop drawings to indicate materials, finishes, methods of anchorage, number of anchors, dimensions, construction and assembly details and accessories.
- .4 Certificates:
 - .1 Submit certificates signed by the manufacturer certifying that materials comply with specified performance characteristics and physical properties.
- .5 Instructions:
 - .1 Submit manufacturer's printed installation instructions.
- .6 Manufacturer's Field Reports:
 - .1 Manufacturer's field reports specified.

1.6 Closeout Submittals

- .1 Refer to Section Section 21 05 01 – Common Work Results for Mechanical.

1.7 Delivery, Storage and Handling

- .1 Refer to Section Section 21 05 01 – Common Work Results for Mechanical.

1.8 Quality Assurance

- .1 Performance Requirements
 - .1 Catalogued or published ratings for manufactured items: obtained from tests carried out by manufacturer or those ordered by manufacturer from independent testing agency signifying adherence to codes and standards.

2. PRODUCTS

2.1 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 4.5 kg, 4A:60BC.

2.2 Identification

- .1 Identify extinguishers in accordance with recommendations of ANSI/NFPA 10 and CAN/ULC-S508.
- .2 Attach label to extinguishers, indicating month and year of installation. Provide space for service dates.

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 on brackets as indicated.
- .2 Install extinguishers so that the top of extinguisher is no more than 1000 mm above floor and the bottom is not less than 110 mm above finished floor level.
- .3 Install signage over each fire extinguisher to make location visible from anywhere in the room. Provide supplemental signage to indicate location where clear line of sight to initial signage is obscured.
- .4 Include first yearly inspection and maintenance on fire extinguishers.

3.3 Cleaning

- .1 Refer to Section 21 05 01 - Common Work Results for Mechanical.
- .2 Remove surplus materials, excess materials, rubbish, tools and equipment.

END OF SECTION