

Part 1 General

1.1 REFERENCES

- .1 ASTM 126-95 (2005) – Specification for Valves, Flanges, and Pipe Fitting.
- .2 CAN/CSA-B125-01 – Pipe Fittings.

1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data: Submit manufacturer's instructions, printed product literature and data sheets and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop drawings:
 - .1 Submit drawings stamped and signed by professional engineer registered or licensed in Province of Alberta, Canada.
 - .2 Drawings to show:
 - .1 Mounting arrangements.
 - .2 Operating and maintenance clearances.
 - .3 Drawings and product data accompanied by:
 - .1 Detailed drawings of bases, supports, and anchor bolts.
 - .2 Acoustical sound power data, where applicable.
 - .3 Points of operation on performance curves.
 - .4 Manufacturer to certify current model production.
 - .5 Certification of compliance to applicable codes.
 - .4 In addition to transmittal letter referred to in Section 01 33 00 - Submittal Procedures: use MCAC "Shop Drawing Submittal Title Sheet". Identify section and paragraph number.
- .4 Closeout Submittals:
 - .1 Submit in accordance with Section 01 78 00 - Closeout Submittals.

1.3 MAINTENANCE MATERIAL SUBMITTALS

- .1 Submit in accordance with Section 01 78 00 - Closeout Submittals.

1.4 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.

- .3 Storage and Handling Requirements:
 - .1 Store materials indoors in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Replace defective or damaged materials with new.

Part 2 Products

2.1 SCOPE

- .1 The contractor shall examine all drawings and specifications to ascertain the scope of work.
- .2 Prior to commencing work, check locations of piping, conduits inside and outside building. Ensure all work carried out on site will not affect the existing building and equipment. Any damage to conduit or plumbing by the Contractor to be repaired in a complete and proper manner at no cost to the Departmental Representative.
- .3 In the event mechanical installations are installed improperly or in a substandard manner, the Contractor will be required to reinstall deficient mechanical equipment in a complete and proper manner to the satisfaction of the Departmental Representative at no additional cost.
- .4 Install materials and equipment in a neat and workmanlike manner by competent journeymen tradesmen.

2.2 MATERIALS

- .1 Materials installed shall be new, full weight and of the best quality specified. Use same brand or manufacturer for each specific application.
- .2 Provide additional material for required modifications to meet new height requirements.
- .3 Repair or replace any of the existing duct work and piping insulation and cladding damaged or removed during the work of this contract.

2.3 EQUIPMENT PROTECTION AND CLEAN-UP

- .1 Protect equipment and materials in storage on site, during and after installation until final acceptance. Leave factory covers in place and take special precautions to prevent entry of foreign material into working parts of piping and duct systems.
- .2 Protect equipment with polyethylene covers.
- .3 Thoroughly clean piping, ducts and equipment of dirt, cuttings and other foreign substances.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for installation in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

1.5 PROTECTION

- .1 Protection equipment and systems openings from dirt, dust, and other foreign materials with materials appropriate to system.

END OF SECTION