1. **PART 1 – GENERAL**
   1. **References**
      1. All work shall be in conformance to the latest revision of « Building Code », unless otherwise indicated.
      2. All work shall conform to the latest revised codes and standards that having jurisdiction, including but not limited to:
         1. National Plumbing Code of Canada.
         2. ASTM A126, Specification for Grey Iron Castings for Valves, Flanges and Pipe Fittings.
         3. ASTM B62, Specification for Composition Bronze or Ounce Metal Castings.
         4. ANSI / AWWA C700, Cold Water Meters ‑ Displacement Type.
         5. ANSI / AWWA C701, Cold Water Meters ‑ Turbine Type for Customer Service.
         6. ANSI / AWWA C702, Cold Water Meters ‑ Compound Type.
         7. CAN / CSA – B64 Séries 7, Backflow Preventers and Vacuum Breakers.
         8. CAN / CSA‑B64.10, Selection and Installation of Backflow Preventers/Maintenance and Field Testing of Backflow Preventers.
         9. CAN3‑B79, Commercial and residential drains and cleanouts.
         10. CSA-B356-00 UPD 3, Water Pressure Reducing Valves for Domestic Water Supply Systems.
         11. PDI ‑ G101, Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data.
         12. PDI ‑ WH201, Water Hammer Arrestors.
   2. **Submittals**
      1. Product Data:
         1. Submit shop drawings and technical data in conformance with client’s instructions.
   3. **Instruction and Maintenance Manual**
      1. Submit manufacturer’s installation and start-up instructions.
      2. The maintenance manual will comprise of or indicate the following:
         1. A description of the major components; the manufacturer, series or model reference number;
         2. All details relating to the operation, care and maintenance of component;
         3. A list of equivalent component replacements.
2. **PART 2 – PRODUCT**
   1. **Strainer**
      1. Strainer body casted in a “Y” profile with detachable screen.
      2. For piping up to and including 2”:
         1. Bronze body conforming to ASTM B-62 or cast iron as per ASTM A-278M class 30. Maximum working pressure 2758 kPa (400 psi) and maximum working temperature 66°C (150°F).
         2. Connection: Threaded.
         3. Screen : Stainless Steel mesh containing 0.8 mm (1/32") preforations;
         4. Strainer contains provision for Blow Off of screen mesh;
         5. Acceptable component: Flo Fab series LBTY et LCTY.
      3. For piping including and above 2-½”:
         1. Cast iron body as per ASTM A-278M class 30. Maximum working pressure 1034 kPa (150 psi) and maximum working temperature 66°C (150°F).
         2. Connection: Flanged.
         3. Screen: Stainless Steel
            1. 2-½” to 12” : mesh with 1.2 mm (3/64") perforations.
            2. 14” to 16” : mesh with 3.18 mm (1/8") perforations.
         4. Strainer contains provision for Blow Off of screen mesh.
         5. Acceptable component: Flo Fab series LYF.
3. **PART 3 – EXECUTION**
   1. **Installation**
      1. Installation shall conform to National Plumbing Code of Canada and any other local laws and regulations.
      2. Install strainers allowing sufficient space to perform regular removal and maintanence of the screen and is correctly oriented, arrow embossed on body indictes direction of flow.
      3. Start-up:
         * 1. Ensure that the screen is easily accessible;
           2. Do not proceed with the start-up unless all of the deficiencies have been identified and corrected;
           3. Clean screens repeatedly after the initial start-up until the all physical contamination is removed from the liquid medium.

**End of Section**