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. **Basket Strainer**
   2. **Flo Fab** Simplex or Duplex basket Strainer feature a compact design to allow for installation were space restriction exist and are available in sizes ¾” to 6”. A tapered plug allows switching flow from one basket to another ( on duplex) by moving the handle through a 90 degree arc. The diverted plug and unique port design makes it impossible for flow interruption to occur while diverting flow. No tools are needed for operation and intergral stops ensure that the plug is positionned correctly each time before and after flow diversion.
      1. Strainer body casted in a “P” Basket Type profile with detachable screen..
      2. For piping 3/4” to 2 ½” could be NPT or Flanged
      3. For Piping ¾” to 6” could be Flanged:
         1. For NPT type Cast iron body and plug as per ASTM A-278M class 30. For Clamped cover Maximum working pressure 125 psi and maximum working temperature 250°F. and for Bolted Cover 400 psi at 100 deg F.
         2. For Flanged type Cast iron body and plug as per ASTM A-278M class 30. Clamped cover Maximum working pressure 125 psi and maximum working temperature 250°F. and for Bolted Cover 175 psi at 250 deg F
         3. Connection: NPT or Flanged.
         4. Screen: Stainless Steel
            1. 3/4” to 2 1/2” : mesh with 1.2 mm (3/64") 0.045 mm perforations.

3” to 6” : mesh with 3.18 mm (1/8") 0.125 mm perforations.

* + - 1. Strainer contains provision for Blow Off of screen mesh.
      2. Acceptable component: Flo Fab series SBS (Simplex) and DBS.(Duplex)

1. **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**