1. **PART 1 – GENERAL**
   1. **References**
      1. All work shall be in conformance to the latest revision of « Quebec Building Code – Chapter I», 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.
         2. Submit characteristic curves of the multi-fonction valve for verification.
   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. **Multi-Function Valves**
      1. Supply and install Multi-Function valves in a straight pattern as per shown on the plans and specifications
         1. Diameters equal or greater than DN 2.
            1. Epoxy coated cast iron body; all wetted brass parts shall be alloyed to resist dezincification. Grooved to 300lbs or flanged to 150lbs ANSI standard connections which can withstand a maximum working pressure of 1.7 MPa (250 psi) and a maximum service temperature of 121°C (250°F).
            2. Each valve shall have a combination of three functions flow balancing, check, and shut off, with manual hand wheel adjustment and nameplate percentage reading.
         2. Acceptable Components:
            1. Globe Valve: Flo Fab series MFV.
3. **PARTIE 3 – EXÉCUTION**
   1. **Installation**
      1. The valves are to be installed on the pump discharge and the flow direction as indicated on the valve body.
      2. Install a leg support under the valve or vertical supports as no weight is on the pump body. Follow the instruction manuel and install as indicated..
      3. Pressure ports are on each valve as to take pressure loss reading

**Fin de section**