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. MSS-SP-70, Cast Iron Gate Valves, Flanged and Threaded Ends.
         2. MSS-SP-71, Cast Iron Swing Check Valves, Flanged and Threaded Ends.
         3. MSS-SP-80, Bronze Gate, Globe, Angle and Check Valves.
   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. **Check Valve**
      1. Check valves equal to or smaller than DN 2 (Threaded Ends).
         1. Bronze Body conforms to standard ASTM B62, class 125, category 862 kPa (125 psi), brass disc and seating ring, extra robust return stainless steel spring in case of application in vertical piping.
         2. Acceptable component: Flo Fab series STB.
      2. Check valves equal to or larger than DN 2-1/2 (Wafer).
         1. Cast Iron or forge steel body, class 125, category 862 kPa (125 psi), bronze disc, extra robust stainless steel springs in case of application in vertical piping, and EPDM body seat for sealing.
         2. Acceptable component: Flo Fab series LSDDB.
3. **PART 3 – EXECUTION**
   1. **Installation**
      1. Install check valves downstream of pumps and on vertical piping to prevent liquid from flowing downwards due to gravity and as where indicated on piping diagrams.
      2. Install check valves downstream of pumps and as where indicated on piping diagrams.
   2. **Tests**
      1. Test system piping as required.
      2. In the case of system containing a water-glycol solution, re-test after rinsing with a solution of ethylene glycol, according to ASTM E202, inhibited, suitable for building networks. Correct any leaks at joints, fittings, and valves.
   3. **Cleaning and rinsing**
      1. Comply with section titled: Cleaning and Disinfection of Pipes, Fittings and Components.

**End of Section**