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. ASTM A126, Specification for Grey Iron Castings for Valves, Flanges and Pipe Fittings.
         2. ASTM A216 / 216, Specification for Steel Castings, Carbon, Suitable for Fusion Welding for High-Temperature Service.
         3. ASTM A278, Specification for Grey Iron Castings for Pressure - Containing Parts for Temperatures up to 345°C.
         4. ASTM A351 / A351, Specification for Steel Castings, Austenitic, for High-Temperature Service.
         5. ASTM B62, Specification for Composition Bronze or Ounce Metal Castings.
         6. ASTM A47M, Specification for Ferrite Malleable Iron Castings.
         7. ASTM A53, Specification for Pipe, Steel, Black, and Hot-Dipped, Zinc Coated, Welded and Seamless.
         8. ANSI / ASME B16.1, Cast Iron Pipe Flanges and Flanged Fittings, Class 25, 125, 250 and 800.
         9. ANSI / ASME B16.25, Butt welding Ends.
         10. ANSI / ASME B16.3, Malleable-Iron Threaded Fittings, Classes 150 and 300.
         11. ANSI / ASME B16.5, Pipe Flanges and Flanged Fittings.
         12. ANSI / ASME B16.9, Factory-Made Wrought Steel Butt welding Fittings.
         13. ANSI B18.2.1, Square and Hex Bolts and Screws.
         14. ANSI/ASME B18.2.2, Square and Hex Nuts.
   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. **PARTIE 2 – PRODUITS**
   1. **Braided Metal Flexible Connectors**
      1. Interior component consist of a stainless steel accordion tube.
      2. Exterior sheathing consists of a stainless steel braided mesh.
      3. Diameter and end connections: as indicated on drawings.
      4. Maximum working pressure: 1034 kPa (150 psi).
      5. Maximum working temperature: 93°C (200°F).
      6. Acceptable component:
         1. 2”  and less: Flo Fab series ST;
         2. 2-1/2” and larger: Flo Fab series SM.
   2. **Anchors and pipe supports**
      1. Anchors.
         1. As indicated;
         2. Concrete and metal reinforcement: as prescribed.
      2. Pipe guide.
         1. Provided by the manufacturer of the piping.
         2. Agree to the thickness of insulation required over the piping.
         3. Design to preserve the integrity of the vapour barrier and pipe liner.
      3. Acceptable component: Flo Fab series PG.
3. **PART 3 – EXECUTION**
   1. **Installation**
      1. Install flexible connectors in a room temperature environment. Record the values when placing item under pressure and temperature.
      2. Install flexible connector according to manufacturer's instructions.
      3. Once installed, the flexible connector will be able to absorb a lateral displacement of 150 mm (5.9"). The ratio between the length of the flexible part and the diameter of the connector must not be less than 6 and the length of hose must not exceed 600 mm (23-5/8").

**End of Section**