1. **GENERAL**

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

1.1 RELATED SECTIONS

 .1 23 .. ..

1.2 REFERENCES

 .1 ASME – American Society of Mechanical Engineers.

 .2 CRN – Canadian Registration Number

 .3 ANSI – American National Standards Institute.

 .4 ISO – International Standards Organization

1.3 SUBMITTALS

 .1 Submit data cover sheet.

 .2 Dimensional print(s).

 .3 Pressure drop graphs.

 .4 Installation & Servicing manual.

1.4 ASSURANCE

.1 The product manufacturer shall be fully certified by the International Organization for Standardization 9001 – Quality Management Systems & ISO 14001 Environmental Management Systems

**Part 2 PRODUCTS**

2.1 MAGNETIC AND NON-MAGNETIC SIDE-STREAM FILTERS

.1 Standard of acceptance: *ADEY® MagnaClean®* (model CMX Nano 1”, Midi 2” & Maxi 2”).

.2 The magnetic and non-magnetic filter shall be a side-stream filter

.3 The magnetic and non-magnetic filter shall come with High Power, NdFeB, neodymium magnets, 5-50-micron superior spun-bonded cartridge filters, and 5-50-micron needlefelt bag filters

.4 The 2” Maxi magnetic and non-magnetic filter shall come with a stainless-steel basket strainer

.5 The magnetic and non-magnetic filter shall provide adaptive filtration: magnetic or non-magnetic only, both, or all combined

.6 The magnetic and non-magnetic filter body shall be made of 316L stainless steel with a 304 stainless clamp assembly

.7 The magnetic and non-magnetic filter shall be supplied with an automatic air-vent. This and the needlefelt bag filters will help promote air separation from the system water

.8 The 2” magnetic and non-magnetic filter shall act as a pot feeder for easier water treatment management

.9 The magnetic filter magnets should be removeable to facilitate routine cleaning/servicing

.10 The magnetic and non-magnetic filter shall be rated for 145 psi (10 bar) maximum working pressure

.11 The magnetic and non-magnetic filter shall have a temperature rating of 14°F (-10°C) to 302°F (150°C).

.12 The magnetic and non-magnetic filter shall have versatile installation options: Floor-standing and supported pipe clip options for easier installation & servicing

 .13 The magnetic and non-magnetic filter shall be supplied with EPDM seals

 .14 The magnetic filter shall include a threaded blow down connection to allow for magnetite and debris to be regularly cleaned out of the unit

2.2 ACCESSORIES

 .1 Magnetic Dirt Filters Accessories

 .1 Magnetic Thermal Jacket

.2 Thermal Jacket

.3 Cartridge filters (5-50-micron)

.4 Needlefelt bag filters (5-50-micron)

.5 Stainless-steel basket strainer

**Part 3 EXECUTION**

3.1 INSTALLATION

 .1 Install magnetic filter in accordance with manufacturer’s instructions.