Some of the pipe fittings look like this:

- Valve
- Check
- Pipe Fittings
- Steam Trap
- Reducer
- Mass Flow Meter
- Temperature
- Pressure Gauge
- Flow Meter

Valve symbols are fairly standard and will look similar in any material of corporate or site preferences.

Of the three types of process diagrams, any variations are a usual form of standard P&ID's or PFD's.

Here are a few standard pump symbols that might be used in equipment diagrams, P&ID's, or PFD's:

- Centrifugal pump
- Gear pump
- Positive displacement pump

Some of the more common instrument symbols:

- Column
- Distillation
- Compressed Gas Cylinder
- Stacked Bottom
- Tank
- Heater Exchanger
- Shell and Tube
- Drum w/ dip leg
- Feeder
- Pressure Gauge
- Temperature
- Flow Meter

Equipment diagrams will use more of a procedural representation of the process equipment than either the process flow or piping.