

---

## **PART 1 - EQUIPMENT**

### **1.1 Manufacturer's Nameplates**

- .1 Provide metal nameplate on each piece of equipment, mechanically fastened with raised or recessed letters.
- .2 Locate nameplates so that they can be easily read.
- .3 Applies to devices and equipment specifically labeled and identified with a label and a number on P&ID drawing.

### **1.2 Lamacoids**

- .1 All labels to be lamacoids.
- .2 Provide shop drawings indicating lamacoid designations (wording). Size of markers shall be minimum 12 x 65 mm. Use 25 mm lettering wherever possible.
- .3 For purposes of shop drawing submission consider the following sizes. Label sizes on shop drawings.  
Lamacoid Size 1: 10 x 50 mm 1 line 3 mm high letters
- .4 Submit list of nameplates for review prior to engraving. Wording on nameplates and labels to be approved by Contract Administrator prior to manufacture.
- .5 Identification to be English.
- .6 Securely fasten to equipment with screws or chains as required.
- .7 Provide proposed and finalized list of nameplates in electronic format (MS Word or MS Excel).

### **1.3 System Labels**

- .1 Provide laminated plastic plates with black face and white centre of minimum size 90 x 40 x 2.5 mm nominal thickness, engraved with 6 mm high lettering.
- .2 Fasten labels securely in conspicuous place. Where labels cannot be mounted to cool surface, provide standoffs.
- .3 Identify equipment type and number using the identification system shown in the P&ID.
- .4 Submit list of labels in electronic format for review by the Contract Administrator prior to engraving.

### **1.4 Mechanical System Identification Labels**

- .1 Fasten identification labels securely in conspicuous place. Where labels cannot be mounted to cool surface, provide standoffs.
- .2 Identify equipment type and number (i.e. BUV-101).
- .3 Use abbreviations as per legend on plans and P&ID drawing.
- .4 Label all equipment, valves and process equipment as to identification including sequential numbering, descriptive purpose and function or normal position as per the following:

---

Valve #	Size (in mm)	Service	Purpose	Position
---------	--------------	---------	---------	----------

Examples are.

.1 BFV-101 100 mm Modulates.

.2 BFV-102 100 mm Open/Closed.

.5 Submit list of labels in electronic format for review prior to engraving.

### 1.5 Electrical System

#### Identification Labels

.1 Install designator lettering on all electrical equipment.

.2 Use Lamacoid plastic engraving sheet, black face, white core, mechanically (with self tapping screws) or adhesively attached as directed by Contract Administrator. Label maker and adhesive industrial tape will be accepted.

.3 Label each electrical device.

.4 Provide type written panel directories to indicate equipment and location thereof by each circuit breaker. Securely mount all directories on the inside cover of the panel door and provide a transparent protective cover.

.5 Provide shop drawings indicating Lamacoid designations (wording). Size of markers shall be minimum 12 x 65 mm.

### 1.6 Pipe Marking

.1 Directional Arrows: available in multiple colors. 1"x 108" roll is \$40; 2" x 54" roll is \$46/roll, 4" x 108" is \$146.

.1 Roll 2" W x 54" long: blue/white arrows.

.2 Standard of acceptance: Seton.ca or approved equal in accordance with B7.

## **PART 2 - PIPING**

.1 Identify flow direction by use of directional flow arrows.

.2 Locate markers on piping systems so they can be seen from floor, at start and end points of runs, at each piece of equipment and at major manual and automatic valves immediately upstream of valves.

## **PART 3 - VALVES AND EQUIPMENT**

.1 Provide laminated plastic plate tags with 12 mm lettering and numbers, secured with non-ferrous chains or "S" hooks for valves and operating controllers.

.2 Consecutively number valves in systems- incorporate tag descriptions.

.3 Submit list of nameplates for review prior to engraving.

---

End Section 15020