NON-CRITICAL HEAT EXCHANGER SYSTEM

1. The steam control valve must be located downstream of the heat exchanger.
2. The steam control valve must be rated for the maximum steam flow rate through the heat exchanger.
3. The steam control valve must be equipped with a pressure drop limiting device.
4. The steam control valve must be equipped with a temperature control device.
5. The steam control valve must be equipped with a differential pressure controller.

STEAM CONTROL STATION DETAIL

1. The steam control valve must be placed at the highest point in the system.
2. The steam control valve must be equipped with a pressure drop limiting device.
3. The steam control valve must be equipped with a temperature control device.

STRAINER INSTALLATION DETAIL

1. The strainer must be located at the lowest point in the system.
2. The strainer must be equipped with a differential pressure controller.
3. The strainer must be equipped with a temperature control device.

NOTE:

1. The strainer must be installed in series with the heat exchanger.
2. The strainer must be equipped with a differential pressure controller.
3. The strainer must be equipped with a temperature control device.

CONTROLS EQUIPMENT LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV-1</td>
<td>Steam Control Valve</td>
</tr>
<tr>
<td>AI</td>
<td>Air Inducer</td>
</tr>
<tr>
<td>VFD</td>
<td>Variable Frequency Drive</td>
</tr>
<tr>
<td>LPI</td>
<td>Limiting Pressure Indicating</td>
</tr>
</tbody>
</table>

NOTES:

1. The strainer must be installed in series with the heat exchanger.
2. The strainer must be equipped with a differential pressure controller.
3. The strainer must be equipped with a temperature control device.

NON-CRITICAL STEAM TO WATER HEAT EXCHANGER P & ID

1. The heat exchanger must be located in a dry location.
2. The heat exchanger must be equipped with a differential pressure controller.
3. The heat exchanger must be equipped with a temperature control device.

NOTE:

1. The heat exchanger must be installed in series with the steam control valve.
2. The heat exchanger must be equipped with a differential pressure controller.
3. The heat exchanger must be equipped with a temperature control device.

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