### AIR SEPARATOR SCHEDULE

<table>
<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>CEMENT</th>
<th>PRESSURE</th>
<th>TEMP (°F)</th>
<th>PRESSURE LOSS (PSI)</th>
<th>TEMP (°F)</th>
<th>DESIGN</th>
<th>NOTE 1</th>
<th>DESIGN</th>
<th>BASIS OF DESIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-1</td>
<td>STAMP ROOM</td>
<td>MATERIAL</td>
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**NOTES:**
1. PROVIDE FABRICATED STEEL WALL.
2. PROVIDE BLUE-OEM CONNECTION.
3. PROVIDE WHITE CONCRETE EXC. GREASER.

### EXPANSION TANK SCHEDULE

<table>
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<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>DEPT.</th>
<th>TANK</th>
<th>TYPE</th>
<th>LOCATION</th>
<th>CEMENT</th>
<th>PRESSURE</th>
<th>TEMP (°F)</th>
<th>DESIGN</th>
<th>BASIS OF DESIGN</th>
</tr>
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<tbody>
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<td>OT-1</td>
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**NOTES:**
1. PROVIDE SADDLE WITH EXPANSION TANK.
CHILLED WATER PLANT SEQUENCE OF OPERATION:

**General Notes:**
- A chilled water flow alarm shall be generated if the chilled water flow is less than 1 GPM
- A temperature diagnostics alarm shall be generated if the chilled water supply temperature is less than 45°F
- A temperature diagnostics alarm shall be generated if the chilled water return temperature is less than 45°F
- A temperature diagnostics alarm shall be generated if the chilled water supply temperature is above 120°F
- A temperature diagnostics alarm shall be generated if the chilled water return temperature is above 120°F

**Sequence of Operation:**

1. **Chilled Water Flow Alarm:**
   - When the chilled water flow alarm is generated, the chilled water pump shall be started.
   - The chilled water temperature shall be monitored.
   - If the chilled water temperature is above the setpoint temperature, the chilled water pump shall be stopped.
   - If the chilled water temperature is below the setpoint temperature, the chilled water pump shall be started again.

2. **Temperature Diagnostics Alarm:**
   - When the temperature diagnostics alarm is generated, the chilled water pump shall be stopped.
   - The chilled water temperature shall be monitored.
   - If the chilled water temperature is above the setpoint temperature, the chilled water pump shall be started.
   - If the chilled water temperature is below the setpoint temperature, the chilled water pump shall be stopped.

**Mechanical Refrigerant Alarm System:**

The mechanical refrigerant alarm system shall be activated if the refrigerant pressure is below the normal operating pressure or if the refrigerant temperature is above the normal operating temperature.

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**Sequence of Operation:**

1. When the refrigerant pressure alarm is generated, the refrigerant pump shall be started.
2. The refrigerant temperature shall be monitored.
3. If the refrigerant temperature is above the setpoint temperature, the refrigerant pump shall be stopped.
4. If the refrigerant temperature is below the setpoint temperature, the refrigerant pump shall be started again.