CRITICAL HEAT EXCHANGER SYSTEM

1. The critical heat exchanger system shall be designed and fabricated in accordance with the latest ASME code requirements.
2. The heat exchanger shall be constructed using high-quality materials resistant to corrosion and wear.
3. The heat exchanger shall be equipped with appropriate isolation valves for maintenance access.
4. The heat exchanger shall be tested for leakage and performance before installation.
5. The heat exchanger shall be insulated to minimize heat loss and maintain efficiency.
6. The heat exchanger shall be provided with adequate support to prevent sagging or vibration.

CRITICAL HEAT EXCHANGER STEAM CONTROL STATION DETAIL

NOTES:

1. Connect to heat exchanger HX-1.
2. Notes on steam to water heat exchanger installation detail.
3. Eccentric increasers are required when necessary.
4. Additional information and specifications are provided in the construction documents.

STRAINER INSTALLATION DETAIL

CRITICAL STEAM TO WATER HEAT EXCHANGER P & ID

CONTROLS EQUIPMENT LIST

Table: Controls Equipment List

- Control Valve
- Temperature Sensor
- Thermometer
- Temperature Switch
- Water Level gauge
- Pressure Gauge
- Air Valve
- Valve Operation Switch

NOTES:

1. The critical steam to water heat exchanger shall be designed and fabricated in accordance with the latest ASME code requirements.
2. The heat exchanger shall be constructed using high-quality materials resistant to corrosion and wear.
3. The heat exchanger shall be equipped with appropriate isolation valves for maintenance access.
4. The heat exchanger shall be tested for leakage and performance before installation.
5. The heat exchanger shall be insulated to minimize heat loss and maintain efficiency.
6. The heat exchanger shall be provided with adequate support to prevent sagging or vibration.

University Of Michigan
Ann Arbor, MI

ARCHITECTURE & ENGINEERING
326 East Hoover, Mail Stop B
Ann Arbor, MI 48109-1104
Phone: 734-763-3020
Fax: 734-763-3238

DESIGNER NOTES:

1. Complete all missing information.
2. Ensure proper functioning of control elements before starting the system.
3. Consult the manufacturer's data for steam to water heat exchanger sizing and operation.