Purpose:
The Architect and/or Engineer shall incorporate the Rice specific requirements indicated in this standard’s section into their design. The Architect and/or Engineer shall further produce project specifications in line with industry standards that are updated to reflect these Rice specific requirements.

1. General Requirements
   a. Chilled water temperature
      i. Nominal: 40º Supply, 52º Return
      ii. Range: 36 º Supply, 56 º Return
   b. Steam Pressure
      i. Nominal: 50 psig
      ii. Range: 40 - 75 psig
   c. Intended design temperatures and operating pressure will require approval from the University by 50% Design Development submission.

2. Direct Buried piping
   a. Chilled water - Schedule 40 Carrier pipe, Phenolic insulation, HDPE outer jacket.
      i. 4” and below may be HDPE carrier, polyurethane foam insulation and HDPE jacket, if approval is received from University Engineer prior to start of design.
   b. Steam - Schedule 40 Carrier pipe, calcium silicate insulation, HDPE outer jacket.
   c. Condensate - Schedule 80 Carrier pipe, Phenolic insulation, HDPE outer jacket.

3. Tunnel Piping
   a. Chilled water - Schedule 40 pipe, Phenolic insulation, all service jacket Aluminum Jacket.
   b. Steam - Schedule 40 Carrier pipe, calcium silicate insulation, all service jacket Aluminum Jacket.
   c. Condensate - Schedule 80 Carrier pipe, calcium silicate insulation, all service jacket Aluminum Jacket.

4. Tunnel Penetrations
   a. Tunnel penetrations to underground shall require Linkseal type adjustable seals.
   b. Tunnel penetrations into building basements/crawl spaces, shall require double Linkseal type adjustable seals.