01 90 00 Life Cycle Activities
Revision 01/04/2019

**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. **Requirements for Architect/Engineer**
   a. During the design process options should generally be presented with an initial project cost and a life cycle cost.
   b. Knowing that building equipment does have a lifespan, and will require replacement at some point, the architect shall design facilities to accommodate service and future replacement. This includes but is not limited to:
      i. Access panels in inaccessible walls and ceilings to reach equipment.
      ii. Adequately sized openings (doors, hatches, removable panels) to allow for replacement of large equipment disassembled to a reasonable extent.
      iii. Corridor width and height to accommodate ease of equipment transport.
      iv. Equipment layout in spaces designed to allow access above, below and around equipment as determined necessary by Rice Facilities during design review and/or BIM coordination.
      v. All clearance requirements per applicable Building Codes, Life Safety Codes and manufacturer’s recommendations.

2. **Requirements for Contractor**
   a. Contractor initiated change requests during construction will generally be presented with an initial project budget impact, schedule impact and a life cycle cost.
      i. Rice Project Manager direction or approval required.