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. Protect grounding electrode conductors using schedule 40, PVC conduit. Where metallic conduit must be used, conduit shall be electrically continuous and bonded to conductor at both ends
   b. Provide separate green wire ground conductor for each branch circuit and feeder conduit.
   c. Grounding electrodes shall be irreversibly connected to the main ground bar. Ground bars shall be provided in each electrical room and shall be interconnected via irreversible means.

2. Grounding conductors
   a. Grounding electrode and conductors: Bare copper.
   b. Equipment grounding and bonding conductors: Copper with green insulation or tape.

3. Connectors
   a. Grounding Electrode System
      i. Material: Bronze or copper-alloy products.
      ii. All connectors shall be UL 467 Listed grounding connectors.
      iii. Bonding connections to ground bars shall use 2-hole lugs.
      iv. Irreversible connections shall be via exothermic weld or hydraulic crimp.

4. Ground Bars
   a. 4 inch by ¼” copper bar. Minimum of 16 inches long.
   b. Pre-drilled to support NEMA 2-hole spacing. See details at end of this section.
   c. Wall mounted with heavy duty brackets and insulators.
   d. Connections from grounding electrodes shall be via exothermic weld and shall not interfere with the use of pre-drilled holes.