

27 40 00 Audio-Video Communications

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. Design Requirements

- a. Audio Visual design shall be by Rice University Office of Information Technology (OIT) department. OIT department will be a specialty consultant to the architect, but paid directly by the University.
- b. All A/V cable purchase and installation shall be contracted independently through the Rice OIT department.
- c. All A/V infrastructure design to be completed by 100% Design development.

2. General Requirements

- a. All A/V conduits shall be minimum 1 ¼"
- b. A/V / IT shared floor box shall be FSR FL500P (4" minimum, 6" preferred)
- c. A/V / IT shared wall box shall be FSR FL500P with wall conversion kit.
- d. A/V / IT boxes located behind a flat panel display shall be TBD based upon the installation and field conditions.
- e. A/V / IT ceiling boxes shall be Legrand Evolution Series Ceiling box ECB2SP-RLINK.
- f. Classrooms
 - i. Install A/V box behind displays, with power on same phase as floor box.
- g. Power for projector screens shall be on an independent circuit and on a different phase from electronics.
- h. Provide a convenience outlet on dedicated circuit next to A/V equipment rack.
- i. Classrooms with computers shall have no more than 4 Pcs per circuit.
- j. Classrooms with projector screens and/or displays shall have switching of lights as follows:
 - i. Board lights – separate switch
 - ii. 1st row on separate switch
 - iii. 2nd row on separate switch
 - iv. Remainder of room in appropriate grouping.