

SECTION 3 E D: ELECTRICAL DIVISION

Latest Update 7-14-11, See underlined text

PART IV: TELECOMMUNICATION & AUDIO VISUAL SYSTEMS DESIGN:

1. SCOPE:

- 1.1. This part outlines the minimum requirements for the design procedures for the telecommunication and audio visual systems, for new buildings, and repair and alteration projects for existing buildings on the UM campus.

2. TELECOMMUNICATIONS:

- 2.1. **General:** The telecommunications system design shall be coordinated with the UM OFM Project Manager and UM Center for Information and Technology Services (CITS).
- 2.2. Telecommunications requirements at the University of Maryland continue to increase in variety and complexity. It is unlikely that this situation will change in the future. Voice, data and video requirements will vary over time, and will be different for each department and function of the University, but the trend will be towards more and faster communications capabilities.
- 2.3. This telecommunications wiring is designed to meet the specific current needs of the University, and to permit growth and flexibility in the future. Data requirements include the need for different levels of Ethernet from 100BASE-T to 1000BASE-FX over unshielded twisted copper pairs, and Fiber.
- 2.4. **Drawing Requirements:** The following information shall be included in the construction documents:
 - a. Incorporate University's (CITS) Standards and details into project contract documents.
 - b. During the schematic design phase, consult with the UM OFM Project Manager and UM CITS as to what type of system will be required, such as Voice over IP or a standard system.
 - c. The telecommunications closets shall be stacked. Include a 1/4 inch scale plan indicating device/equipment location to ensure adequate mounting space and floor area including service access.

3. AUDIO/VISUAL:

- 3.1. **General:** The audio/video system design shall be coordinated with the UM OFM Project Manager and UM Center for Information and Technology Services (CITS).

- 3.2.** Audio/Video requirements at the University of Maryland continue to increase in variety and complexity. It is unlikely that this situation will change in the future. Audio/Video requirements will vary over time, and will be different for each department and function of the University.
- 3.3. Drawing Requirements:** The following information shall be included in the construction documents:
- a.** Incorporate University's (CITS) standard specifications and details in to project contract documents.
 - b.** During the schematic design phase, consult with the UM OFM Project Manager and UM CITS as to what type of system and equipment will be required.
 - c.** The audio/visual rooms shall be of adequate size for the system components. Include a 1/4 inch scale plan indicating device/equipment location to ensure adequate mounting space and floor area including service access.

**END OF SECTION 3 - ED - PART IV
END OF ELECTRICAL DIVISION**