

## 307.7 Outline Specifications Example - Communications

Division 270000

### GENERAL

#### A. New Building

1. The communication system for the new building will include the incoming raceway for the plant cables, dedicated communications rooms overhead cable tray and raceway to each communication outlet individually connected to the cable tray.
2. The communication system will also include the structured cabling system. This system will include the communication racks, backbone cabling and cabling from the rack to each outlet. There will also be a cable television system consisting of outlets, cabling, outlets, and a broad ban amplifier.
3. The utility company will provide the incoming plant cables.

### 1.2 CODES AND STANDARDS

#### A. Codes

1. The Kentucky Building Code (KBC)
2. National Electrical Code (NEC)
3. Applicable Local Codes and Ordinances

#### B. Standards

1. TIA/EIA Standards for Telecom, Cabling and Connectors
2. The requirements of the owners technology group.

### 1.3 COMMUNICATION SYSTEM

- A. The incoming communication service will originate at the utility provided riser pole and will consist of 4-4" conduits. The conduits will run underground and terminate in the Main Communications Room (MDF). The utility company will provide the incoming plant cables for voice, data and video.
- B. The Communications Rooms will include plywood-lined walls, cable tray, grounding buss, floor mounted racks a terminations for all the building backbone and station cabling.
- C. Eight 4" sleeves will be provided in the floor between Main Communications Room (MDF) and the Secondary Communication Rooms (IDF). These sleeves will be used for the backbone cable, which will consist of fiber for data and copper for voice. All voice and data cabling will terminate in floor-mounted racks.
- D. A basket type cable tray will be provided from the Communication Rooms above the ceilings for route of station cables from the individual outlets for voice, data and video. Outlets will be individually connected to the cable tray with 1" conduit. The cabling system will include the outlet faceplate, jacks, cabling the racks in the Communication Rooms. The outlets will be terminated on patch panels mounted in

the racks. The television terminations will be wall mounted as will the building amplifier.

- E. The entire communication system will be specified for Category 6a performance.

END

EXAMPLE