**27 32 23 Elevator Telephones**

(Revision date: 2/15/12)

**1.0 Purpose**

1. These guidelines provide requirements for designers to incorporate into bid documents. They are part of the University Wiring Standard (UWS), version 3.0.
2. **General Requirements**
3. Elevator telephones. All elevators are required to be equipped with an emergency telephone. These units operate as ring-down telephones, contacting the NC State Campus Police call center when activated.

**3.0 Materials and Standards**

1. Materials. The materials used for this system are to be manufacturer and part number specific with no substitutions, unless specified as accepting “or equal.” See Section 27 06 00 Schedules for Communications Systems for a list of materials acceptable for use in NC State University projects.
2. Standards. All work shall be in accordance with the latest edition of all applicable campus, State, and Federal regulations and codes, and with manufacturer recommendations.
3. Elevator telephone installation. The telephone shall not be modified in any manner by the contractor as such modifications will void the manufacturer’s warranty. The contractor should install and terminate the telephone cable from the elevator equipment control panel to the telephone set located in the car via the cabling harness. The contractor should also install one four pair, Category 3 UTP cable in ¾” conduit from the BDF to the elevator equipment control panel. The conduit for this cable should be to the nearest telecommunications wireway or to the BDF. This cable should be terminated by the contractor on the appropriate terminals inside the panel. The contractor should leave the cable end in the BDF unterminated with 50 feet of cable coiled up and neatly attached to the wall. The cable should be tagged clearly as “elevator telephone # 1, # 2 …”.
4. Elevator telephone service. ComTech will order a separate dial tone from AT&T for each elevator telephone. Comtech will also terminate the cables in the BDF on the special use lines 66 block. The contractor should notify ComTech (via the NCSU Facilities construction manager) at least 30 days prior to needing the dial tones installed for certification inspections to coordinate service connection.

End of Section