

**SECTION 27 15 43****COMMUNICATIONS FACEPLATES AND MODULAR JACKS****PART 1 - GENERAL****1.1 SUMMARY**

- A. This section shall govern the products and installation of communications faceplates and modular jacks.

**1.2 RELATED DOCUMENTS**

- A. The latest versions of the following codes, standards, and guidelines shall be followed. Bring to ITS' immediate attention where construction documents or conditions differ from requirements in codes, standards, guidelines and specifications.
- B. The following codes, as required by law:
1. National Electric Code (NEC)
- C. The following standards:
1. ANSI/TIA-568-C.0, Generic Telecommunications Cabling for Customer Premises
  2. ANSI/TIA-568-C.2, Balanced Twisted-Pair Telecommunications Cabling and Components Standards
  3. ANSI/TIA-568-C.4, Broadband Coaxial Cabling and Components Standard
  4. ANSI/TIA-570-B, Residential Telecommunications Infrastructure Standard
  5. TIA-569-B, Commercial Building Standard for Telecommunications Pathways and Spaces
- D. The following guidelines:
1. BICSI, Telecommunications Distribution Methods Manual (TDMM)
  2. BICSI, Information Transport Systems Installation Methods Manual (ITSIMM)
- E. The following project specifications:
1. 27 05 33 Conduits and Backboxes for Communications Systems
  2. 27 05 39 Surface Raceways for Communications Systems
  3. 27 05 53 Identification for Communications Systems

**1.3 SUBMITTALS**

- A. The following submittals are due at the Pre-Construction Phase, in accordance with submittal requirements in Section 27 00 00 Communications:
1. Product Information
    - a) Provide manufacturer's product information cutsheet or specifications sheet with the specific product number identified or filled out.
  2. Shop Drawings
    - a) Provide scaled drawings (not less than 1/8" = 1'-0") indicating location and type/part number of faceplate to be used. This information may be included on shop drawing for 27 05 53 Identification of Communications Systems.

B. The following submittals are due Post-Construction, in accordance with the submittal requirements in Section 27 00 00 Communications:

1. Record Drawings

- a) Provide scaled drawings (not less than 1/8" = 1'-0") indicating location and type/part number of faceplate actually installed. This information may be included on record drawing for 27 05 53 Identification of Communications Systems.

## PART 2 – PRODUCTS

### 2.1 GENERAL

A. All faceplates and modular jacks shall be by the same manufacturer. This manufacturer shall also be the same manufacturer that will be offering the advanced system warranty as required by section 27 00 00.

1. A variance may be allowed for Wall-Phone locations. Coordinate with ITS Representative during construction.

### 2.2 FACEPLATES

A. Wall-Phone Outlet

1. Shall be single-gang.
2. Shall be stainless steel.
3. Shall meet the dimensional requirements for faceplate and modular jack as specified in ANSI/TIA-570-B.
4. Shall interface with Cortelco phone model 255444-VBA-20M.
5. Coordinate with owner prior to purchase.

B. Typical work-area outlets:

1. Single-Gang Faceplate

- a) Color and material shall meet requirements for environment and match electrical faceplates.
- b) Shall have a recessed label field with high impact thermo-plastic cover.
- c) Manufacturer shall be:
  - 1) Panduit
  - 2) Ortronics

2. Double-Gang Faceplate

- a) Color and material shall meet requirements for environment and match electrical faceplates.
- b) Shall have a recessed label field with high impact thermo-plastic cover.
- c) Manufacturer shall be:
  - 1) Panduit
  - 2) Ortronics

C. Above-ceiling outlets for wireless access points:

1. Single-Gang Faceplate
  - a) Shall be stainless steel in construction.
  - b) Manufacturer shall be:
    - 1) Panduit
    - 2) Ortronics

D. Outlets for IP Security Cameras:

1. Small Surface-Mounted Box inside junction box
  - a) Shall accept up to 2 modular jacks
  - b) Manufacturer shall be:
    - 1) Panduit, UICBX2IW-A
    - 2) Ortronics, OR-404S21U

2.3 MODULAR JACKS

A. Category 5e modular jacks

1. Performance shall meet that of category 5e
2. Color and material shall meet requirements for environment and match electrical faceplates
3. Manufacturer shall be:
  - a) Panduit
  - b) Ortronics

B. Category 6 modular jacks – to be used for IP Security Camera locations and patch panels only.

1. Performance shall meet that of category 6
2. Color and material shall meet requirements for environment and match electrical faceplates
3. Manufacturer shall be:
  - a) Panduit
  - b) Ortronics

C. F-Type Connector (for CATV)

1. Module shall include coax pass-through "F"-connector
2. Color and material shall meet requirements for environment and match electrical faceplates
3. Manufacturer shall be:
  - a) Panduit
  - b) Ortronics

D. [Other]

**PART 3 - EXECUTION**

3.1 GENERAL

- A. Follow all manufacturers' instructions.
- B. All category modular jacks shall be terminated using the T568B termination scheme specified in ANSI/TIS-568-C.0.
- C. Coordinate with all other trades prior to pre-construction submittals and installation.

3.2 FACEPLATES

- A. Faceplates shall be installed straight and plumb in all directions.
- B. Should the faceplate not cover the entirety of the outlet box hole in the wall due to overcutting or rough workmanship, the wall shall be appropriately patched and painted for a neat and clean finished appearance.
- C. Fill all module openings with blank modules.

3.3 ELEVATOR PHONE AND DATA CONNECTIONS

- A. Inside Phone/Data Enclosure in the Elevator Equipment Room, typically identified as CCTV enclosure, install (1) double-gang faceplate onto surface-mounted box (refer to section 27 05 39). Populate faceplate with (2) Cat 5e modules for every elevator car needing service.

**END OF SECTION**