

SECTION 27 05 28 – LOW VOLTAGE CONDUIT SYSTEM**PART 1 - GENERAL**

1.01 REFERENCE

- A. Refer to Section 26 00 00 for requirements which are applicable to this section.

1.02 WORK INCLUDED

- A. Provide labor, material, and supervision necessary to install all service and distribution as outlined in this section.

PART 2 - PRODUCTS

2.01 WALL BOXES - TELEPHONE

- A. Single gang galvanized steel with single gang device ring and wall plates.
- B. Modular jack to accept phone system wiring with two RJ-11 connectors.

2.02 WALL BOXES - DATA

- A. Single gang galvanized steel with single gang device ring and wall plates.
- B. Face plate to accommodate data system wiring.

2.03 WALL BOXES - TELEPHONE AND DATA

- A. Double gang galvanized steel with steel divided raceway.
- B. Double face plate with modular RJ-11 jacks for telephone and 2 data outlet grommets.
- C. Two raceways to accessible ceiling space.

2.04 WALL BOXES – CATV

- A. Single gang galvanized steel with single gang device ring and wall plate.
- B. Face plate to accommodate "F" type connectors.

2.05 CONDUIT

- A. 3/4" EMT from boxes to accessible ceiling space.
- B. Two 4" conduits from backboard through building foundation to exterior of the building, with pull wires.
- C. Provide 4" conduit raceway from Demarcation Room to Auxiliary Rooms on each floor.

2.06 PLYWOOD BACKBOARDS

- A. Furnish and install 3/4" thick marine grade plywood backpanels of the size and location where

indicated.

- B. Install as a minimum a standard quad outlet and an isolated ground outlet at each location.
- C. Install a ground bar and insulated ground cable back to the building electrical service entrance ground.

PART 3 - EXECUTION

3.01 CONDUIT SYSTEM

- A. Provide and install where indicated for the device being installed.
- B. Provide pull wire in empty conduit.
- C. Provide ground for system.
- D. Provide 120 volt quad receptacle at telephone backboard.
- E. Provide a 3/4 " thick marine plywood telephone backboard where indicated for use by the Telephone Company for the mounting of equipment.

END OF SECTION