

SECTION 16740

TELEPHONE / DATA RACEWAY SYSTEM

PART 1 - GENERAL

- 1.1 DESCRIPTION OF WORK:** The work of this section consists of providing labor, materials, tools, appliances and miscellaneous accessories associated with the telephone raceway system as described herein and as indicated on the Drawings.
- 1.2 RELATED DOCUMENTS**
- A. Drawings.
 - B. General Provisions of Contract, including General and Supplementary Conditions.
 - C. Division 01 - Specification Sections.
 - D. Section 16010 - General Electrical Provisions.

PART 2 - PRODUCTS

2.1 MATERIALS AND COMPONENTS

- A. Plywood: Provide three quarter inch thick exterior grade plywood terminal boards sized as shown and scheduled located in basement telephone equipment room.
- B. Raceways: Refer to Section 16110.
- C. Wall-Type Telephone Outlets: Provide 4" x 11/16" square x 2-1/8" box, with single gang cover.

PART 3 - EXECUTION

- A. Provide all conduit, outlets, plywood backboards, supports, fittings, covers, and/or other material as required, ready for installation of conductors by the local Telephone Company.
- B. No more than two 90 degree bends in a run will be permissible without the insertion of pull boxes.
- C. A "fish wire" shall be left in all empty conduits. Installation of conductors, instruments, and connections will be made by the local Telephone Company.

- D. Telephone outlets in dry wall partitions or plaster walls shall have single gang plaster covers and single gang device covers with a bushed opening, to match switch and receptacle plates.
- E. Furnish and install one (1) No. 8 THW copper ground wire in ½" conduit from main telephone backboard to nearest main grounding point such as water main or building ground pad.
- F. From each telephone outlet, provide 3/4" conduit with nylon pull cord from the outlet box to accessible ceiling void where inaccessible ceilings occur, provide 3/4" conduit raceway with pull string from outlet box to nearest accessible ceiling that has a direct path to the telephone backboard. If no ceiling is accessible run telephone conduit from outlet box to telephone backboard. All conduit is to be concealed in finished areas.

END OF SECTION