



- .2 As-built Records and Drawings:
  - .1 Provide Microsoft Access database reflecting cable installation and cross-connections.
  - .2 Provide electronic drawings in AutoCAD 2000 format depicting all construction.
  - .3 Provide two (2) bound complete hard-copy sets of as-built records to the consultant.
    - .1 Provide and place one hard copy of as-built records for each telecommunications room in plan holder in each telecommunications room.

## **1.5 DELIVERY, STORAGE AND HANDLING**

- .1 Waste Management and Disposal: separate waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

## **PART 2 PRODUCTS**

### **2.1 FOUR-PAIR 100 Ω BALANCED TWISTED PAIR CABLE**

- .1 Four-pair, 100 ohm balanced unshielded-twisted-pair (UTP) cable, flame test classification to: CSA-C22.2 No. 214, Category 6 (Cat 6).

### **2.2 WORK AREA UTP 4-PAIR MODULAR JACK**

- .1 Eight-position modular jack ("RJ-45"), type Category 6 to:
  - .1 In self-contained recess-mount box, 2 jacks per box.
- .2 Multi-user telecommunications outlet assembly (MUTOA), 4 ports, each port equipped with factory installed "RJ-45" jacks, type Category 6 to: TIA/EIA-568-B.2.

### **2.3 TERMINATION AND CROSS-CONNECTION HARDWARE FOR UTP**

- .1 IDC Terminal strips, 25 pair, for terminating multi pair 100 Ω balanced twisted pair cables and supporting cross-connections using jumper wires or compatible plug-ended patch cords: Category 6 to: TIA/EIA-568-[B.2].
- .2 Mount or block for housing 12 IDC terminal strips, mounted on wall.
  - .1 Distribution rings or channels capable of externally mating with the above mount for managing cross-connection wires.
- .3 Patch panel, sized as required for all shown connections plus 20%:
  - .1 Each port equipped with factory installed "RJ-45" jacks, type Category 6 to: TIA/EIA-568-[B.2].
  - .2 Horizontal cable-management unit for every 48 ports.
- .4 Consolidation point, terminates 12 UTP horizontal cables from telecommunications room on IDC terminations. Cables extending to work areas terminate on RJ-45 jacks, type Category 6 to: TIA/EIA-568-[B.2].



