

## **Part 1 General**

### **1.1 COMMUNICATION RACEWAY SYSTEM**

1. Install empty raceway system, including fish wire, terminal cabinets, outlet boxes, pull boxes, cover plates, conduit, sleeves and caps and tie into existing terminal cabinets.
2. Where outlets are shown pedestal mounted, one ¾”C from each pedestal shall be run to the ceiling space of the floor containing the pedestal.
3. All conduit ends, including vertical stubs in wall cavities, shall be fitted with insulated grommets. The inside radius of a bend in a conduit shall be no less than ten times the internal diameter of the conduit with a maximum of two 90° bends between pull points, unless otherwise specified. All conduits shall be run to existing building rack or terminal board.
4. Provide a 2-gang recessed outlet box complete with single gang reducer mud ring and 1-¾”C stubbed into ceiling space complete with pullwire and plastic bushings at both ends for all voice/data outlets.
5. Where the use of concealed or surface conduit shall be used a minimum box size for voice/data termination shall be 4 x 4 x 2 ¼”, complete with either a single gang or double gang mud-ring as required by number of drops specified.
6. Provide J-hook system between conduit stubs and cable tray running down the corridor.
7. Use approved cable clips or hangers at 4’-0” centres to effectively support all multi-cable harnessing.
8. Small numbers of cables splitting off the harness to individual room drops shall be supported by either Velcro straps or combined Panduit wirewraps/nylon ties.
9. Where installation is arranged in a hollow wall construction, MP1 or MP2 plates.
10. Cables dropped in wall cavity shall have insulated bushings fitted to the top wall plate.
11. Refer to mechanical drawings for DDC control cabling requirements. Provide appropriate raceway for their use.

END OF SECTION