

SECTION 16714 – TELECOMMUNICATIONS SYSTEM

1.0        GENERAL

1.1        DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION-1 SPECIFICATION SECTIONS, APPLY TO WORK OF THIS SECTION.

1.2        DIVISION-16 BASIC ELECTRICAL MATERIALS AND METHODS SECTIONS APPLY TO WORK OF THIS SECTION.

1.3        SUBMITTALS: SUBMIT THE PRODUCER'S STANDARD DESCRIPTIVE DATA SHEETS FOR EACH TYPE OF PRODUCT BEING PROVIDED. MARK THE DATA SHEET FOR THE PRODUCT BEING PROVIDED WITH AN IDENTIFYING MARK OR ARROW.

2.0        PRODUCTS

2.1        PROVIDE RACEWAYS, FITTINGS AND BOXES THAT CONFORM TO THE SECTION "BASIC MATERIALS AND METHODS."

2.2        PROVIDE COPPER GROUND BARS IN ALL TELECOM ROOMS WITH COPPER GROUND CONDUCTORS IN CONDUIT AS INDICATED ON DRAWINGS.

2.3        PROVIDE PLYWOOD BACKBOARD IN TELECOM ROOMS AS INDICATED ON DRAWINGS.

3.0        EXECUTION

3.1        TELECOMMUNICATIONS CONDUIT SYSTEM SHALL BE COMPLETE INCLUDING DEVICE BOXES WITH BLANK COVER PLATES, CONDUITS WITH PULL STRINGS, JUNCTION BOXES, ETC AS REQUIRED FOR A COMPLETE PATHWAY FROM THE OUTLET LOCATION TO THE TELECOM ROOM.

3.2        PROVIDE BOXES, COVER PLATES, CONDUITS AND CABLES FOR THE INSTALLATION OF THE TELECOMMUNICATIONS SYSTEM. SEE DRAWINGS FOR SIZES AND LOCATIONS.

3.3        REAM OUT ALL CONDUITS. CONDUITS NOT TERMINATING IN BOXES OR CABINETS SHALL BE TERMINATED WITH BUSHINGS.

3.4        CONDUIT WITH MORE THAN THREE RIGHT ANGLE BENDS, OR EXCEEDING 200 FEET IN LENGTH SHALL HAVE AN INTERMEDIATE PULL BOX. PULL BOXES SHALL HAVE FULL SIZE SCREW-FASTENED COVERS.

3.5        CONDUITS ROUTED TO CABLE TRAY SHALL EXTEND OVER THE CABLE TRAY BY A MINIMUM HORIZONTAL DISTANCE OF 2" BEYOND CABLE TRAY EDGE AND SHALL BE CONNECTED TO CABLE TRAY WITH CABLE TRAY MANUFACTURER CONNECTORS FOR SPECIFIED CABLE TRAY.

END OF SECTION