1.1 **GENERAL**

1.2 **Cross Connect Wire**

.1 Cross connect BIX fields as per owner requirements.

.2 Wires shall be 24 AWG solid tinned copper, 1-pair Category 3. Conductors shall be insulated with semi-rigid PVC. One insulated conductor in a pair shall be white and other in visibly distinct solid color.

.3 Pair-untwist shall not exceed 75mm from the point of termination.

1.3 **Copper Patch Cords**

.1 Cords shall be Category 6A, 4-pair bonded UTP, FT-4 rated. Cords shall be factory terminated on both ends, with 8-pin modular plugs in T568A-ISDN pin assignment and come with snagless over-molded strain-relief boots. Cords shall exceed Category 6A requirements and support 10GX System performance. Mechanical durability rating shall be minimum 1000 mating cycles.

.2 Equipment Patch Cords shall interconnect horizontal Data runs to user supplied network equipment. Data cords shall be 2.1 meters long, BLUE color. Supply one (1) BLUE Patch Cord for each horizontal Category 6A cable terminated on REVConnect patch panels.

Pre-approved product: Belden CA21106007 modular cord.

.3 Voice Patch Cords shall cross connect horizontal Voice runs to Voice “backbone” patch panels. Voice patch cords shall be 2.1 meters long, GRAY color. Supply one (1) GRAY Patch Cord for each Category 6A cable serving a Code Blue station plus three extra cords.

Pre-approved product: Belden CA21108007 modular cord.

1.4 **Copper Work Area Cords**

.1 Work area cords shall be Belden Modular cords.

.2 Unless noted otherwise, work area cords shall be minimum 3 meters long. Some locations, (e.g. Multi-user outlets) might require longer cords.

.3 Work area cords shall be bonded 4-pair UTP Category 6A BLUE color, RJ-45 type connectors on both ends.

.4 For REG, MU, FB, PT, SR, POL type of outlets supply one (1) BLUE Category 6A modular cord per each horizontal Category 6A cable serving these outlets. Cord length shall be as required to reach work area computer and phone but not less than 3 meters.

Pre-approved product: Belden CA2110601x modular cord.

.5 For elevator phone outlet supply one (1) GREY Category 5e modular cord per each horizontal cable serving these outlets. Cord length shall be as required to reach elevator phone demarcation.
Pre-approved product: Belden C5011080xx.

.6 For all other outlet types refer to drawings for cord requirements.

1.5 Optical Fiber Singlemode Patch Cords

.1 SM fiber patch cords shall be 2-strand OS2 fiber ZIP cords. Jacket shall be FT-4 rated and be in YELLOW color. Cords shall come with factory installed blue LC duplex connectors on both ends and have molded strain-relief rubber boots. Minimum durability rating shall be 500 mating cycles.

.2 For each 48 fiber strands of backbone cabling installed provide: eight (8) SM duplex patch cords 2.2 meters long plus two (2) SM duplex patch cords 3 meters long.

Pre-approved products: Belden FPSLDLD02M2 and Belden FPSLDLD003M duplex fiber patch cords.

***END OF SECTION***