1.1 GENERAL

1.2 Related Technical Requirements
   .1 Divisions 20 to 28

1.3 Coordination Requirements
   .1 SFU Facilities

1.4 Description
   .1 SFU Requirements for Wire and Cables (0-1000 V).

2.1 MATERIALS AND DESIGN REQUIREMENTS
   .1 Wires shall be copper throughout with 90°C insulation. Minimum wire size shall be #12 AWG except for control wire. Wires #12 AWG and larger shall be stranded.
   .2 Power wiring shall be color coded red, blue and black with white for neutral and green for ground.
   .3 Color shall be impregnated in the insulation for wire #8 and smaller, and clearly identified with colored vinyl tape at both ends and at all splices for large wire. Heat shrink is also acceptable.
   .4 Control wiring shall be clearly identified if AC or DC.
   .5 Color coding for motor control wiring shall reflect accepted industry standards, but be sized no smaller than #18.
   .6 Wiring installed in underground ducts or conduits shall be copper, 1000V insulation, XLPE.
   .7 Electrical wiring shall be installed in Rigid PVC, Rigid Metal, or EMT conduit. Use metallic surface raceway equal to wire mold in finished areas for renovation projects. Where deviation from this rule is necessary, a variation shall be obtained in writing from Technical Services before proceeding with the work. The variance shall apply only to the particular installation for which it is given.

***END OF SECTION***