PART 1: GENERAL

1.01 SYSTEM DESCRIPTION

A. Color Coding for branch circuits and feeders.

1. 120/208 volt, 3 phase, 4 wire Wye system.
   a. Phase A - Black
   b. Phase B - Red
   c. Phase C - Blue
   d. Neutral - White
   e. Grounding Conductor - Green

2. 277/480 volt, 3 phase, 4 wire, Wye system
   a. Phase A - Brown
   b. Phase B - Orange
   c. Phase C - Yellow
   d. Neutral - Gray
   e. Grounding Conductor - Green

3. 120/240 volt, 3 phase, 4 wire, Delta system
   a. Phase A - Black
   b. Phase B - Orange (wild leg)
   c. Phase C - Blue
   d. Neutral - White
   e. Grounding Conductor - Green

4. Identify grounded (neutral) conductors in accordance with NEC Article 200 when it is in shared or common raceways and enclosures.

B. Number code all control and instrumentation wiring at termination points.

PART 2: PRODUCTS

2.01 MATERIALS

A. Conductors shall be annealed copper; 98% conductivity.

B. Minimum size conductor for general wiring shall be #12.
C. THHN or THWN shall be used in interior dry locations.

D. XHHW or THWN shall be used in wet locations for all sizes.

E. Conductors for building feeder and branch circuit shall be insulated for 600 volts. Conductors for signal circuits operating at less than 50 volts to ground shall be insulated for 300 volts.

F. Aluminum conductors shall not be used without the written approval of the Department of Planning, Design and Construction (PDC).