PART 1: GENERAL

1.01 WORK INCLUDED

A. Rigid Steel Conduit:

1. Location of use:
   a. Wet, damp, unheated areas.
   b. Areas subjected to corrosive atmosphere.
   c. All exterior wiring.
   d. Interior wiring in slabs or exterior walls.
   e. All other areas except as noted below.

2. Threadless connectors and couplings shall not be used.

3. To protect the wire insulation from abrasion all cut ends must be reamed to remove rough edges.

4. A bushing shall be provided to protect the wire from abrasion where a conduit enters a box, fitting, or other enclosure unless the box, fitting, or enclosure design provides equivalent protection.

B. Intermediate Metallic Conduit: (IMC)

1. Location of use:
   a. Exterior, where encased in concrete.
   b. Interior wiring.

2. Threadless connectors and couplings shall not be used.

3. To protect the wire insulation from abrasion all cut ends must be reamed to remove rough edges.
C. Electrical Metallic Tubing:

1. Location of use:
   a. Interior branch circuit wiring, power distribution, and motor feeders in clean dry areas.
   b. All interior low voltage control, signal, communication, emergency power, and alarm systems.
   c. Restricted from being installed where it will be subjected to severe physical damage.

D. Electrical Non-Metallic Tubing

1. Location of Use
   a. Interior for lighting and receptacle circuits.
   b. Shall not be used for home runs.

E. Flexible Metal Conduit: (Greenfield)

1. Location of use:
   a. Light fixture pigtails.
   b. Motor leads.
   c. Appliance connections.
   d. Where required for flexible connections.

2. Connectors shall be UL listed for use with flexible metal conduit.

3. A grounding conductor shall be installed in all flexible metal conduits.

4. Aluminum flexible conduit shall not be used.

F. Liquid Tight Flexible Steel Conduit: (Seal-Tight)

1. Location of use:
   a. Same application as flexible metal conduit except where high ambient temperatures could harm jacket.
   b. Damp and wet areas.

2. A grounding conductor shall be installed in all Seal-Tight.
G. Non-Metallic Conduit: (PVC)
   1. Location of use:
      a. Where encased in concrete, use Schedule 40.
      b. For pole risers more than 10' above grade, use Schedule 40.
      c. Where direct buried, use Schedule 80.

H. Metal Surface Raceways:
   1. Use for branch circuits only.
   2. A grounding conductor shall be installed in all metal surface raceways.

I. Aluminum conduit shall not be used.

J. Acceptable raceways in addition to specially noted raceways in other sections:
   1. Cable trays.
   2. Flat conductor cable.
   3. Wireways.
   4. Busways.
   5. Cablebus.