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260530 - Conduit

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SECTION 26 0530 - CONDUIT

PART 1 - GENERAL

1.1 See Chapter 5, Division 01, Section 017700.1.1.B.1.i Closeout Procedures - Project Record Documents for equipment list requirements for all equipment provided in this section.

1.2 All line voltage (50-600 volts) wiring shall be installed in conduit, for other wiring systems (less than 50 volts) refer to the appropriate section to determine application of conduit. Minimum conduit size shall be 3/4". The type and material shall be suitable for the intended application.

A. Surface or exposed conduit is acceptable in mechanical rooms, telephone closets and similar applications. Other exceptions may be allowed only where approved by UNH Facilities.

B. Above hard ceilings all wire shall be installed in conduit, and when in public circulation areas provide at least two spare ¾" conduits from an accessible location to another accessible location.

C. Flexible Metal Conduit 3/4-inch minimum trade may be used in concealed locations.
   1. All flexible metal conduit systems shall use listed fittings. Diecast fittings are not permitted.
   2. Exceptions;
      a. Flexible metal conduit of 1/2-inch electrical trade size can be used for recessed light fixtures length not to be in excess of 6'-0", or drops down the inside of a wall to devices or equipment. Lengths longer than 6'-0" require UNH Facilities approval.
   3. Use of MC (metal clad) type cable is generally not permitted, except for 6 feet lighting whips at lay-in or dropped ceilings, or exposed structure only. Cable shall be no larger than 10-3 or smaller than 12-2. Lengths longer than 6'-0" where cable is fully accessible require UNH Facilities approval.

1.3 All EMT conduit systems shall use steel fittings with set screws. 1/2" through 1" fittings shall have a single set screw; 1-1/4" through 4" shall have two set screws in line on each side of the fitting. (Exception): EMT used in damp or wet locations shall use compression type fittings. Diecast fittings are NOT allowed.

1.4 All conduit/raceway that are surface mounted in finished areas shall be painted to match the existing surfaces.

1.5 Where direct-burial wiring is to be extended outside building proper, install rigid conduit through foundation wall and to a point 5'-0" outside building proper and provide a watertight seal.
PART 2 - PRODUCTS

2.1 The following conduit system components shall be submitted to the client for approval:
   
   A. PVC Conduit.
   
   B. PVC Fittings.
   
   C. PVC High Impact Spacers.
   
   D. RGC, IMC, & EMT.
   
   E. RGC, IMC, & EMT Fittings.
   
   F. Conduit Sealing Fittings.
   
END OF SECTION 26 0530