1 Conduit Supports & Hangers

1.1 Support maximum separation is 8’ for conduits ¾” and smaller.

1.2 Supports for suspended conduits shall be from galvanized all-thread steel rods, ¼” minimum size.

2 Requirements for Inserts and Anchors

2.1 When hanging from concrete, care must be taken not to weaken the concrete by placing holes in the wrong location or using hangers that can pull out.

2.2 Hanger rod clips or devices shall:
   • be fastened to the sides of joists or beams
   • use expansion, or screw in anchors installed in strict accordance with the manufacturer’s published documentation
   • be at least four inches (4”) from the bottom of joists and six inches (6”) from the bottom of beams

2.3 Powder actuated, impact or drop-in anchors shall not be allowed.

3 Housekeeping Pads

3.1 All floor mounted electrical equipment installed in mechanical rooms, electrical rooms, boiler rooms, penthouses, below grade spaces, areas that are or may become wet and areas exterior to the building shall be furnished with a housekeeping pad.

3.2 Interior pads should be a minimum of 3½” inches thick with chamfered edges all around.
   3.2.1 Housekeeping pads should extend a maximum of 2” inches beyond supported equipment.
   3.2.2 Existing Construction: Elevated slabs shall be evaluated to determine if there is capacity in the structure for support of a new housekeeping slab.

3.3 Exterior pads shall be air-entrained, reinforced concrete, and shall extend 4” beyond all accessible sides of the equipment footprint, shall be 6” minimum high and shall have chamfered edges.
   3.3.1 Edges of exterior slabs shall turn down a minimum of 12” into the ground unless otherwise required to be deeper to prevent slab heaving.