

**Part 1            General**

**1.1               RELATED SECTIONS**

- .1        Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

**1.2               WASTE MANAGEMENT AND DISPOSAL**

- .1        Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
- .2        Remove from site and dispose of all packaging materials at appropriate recycling facilities.
- .3        Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4        Divert unused metal materials from landfill to metal recycling facility as approved by Departmental Representative.
- .5        Fold up metal banding, flatten and place in designated area for recycling.

**Part 2            Products**

**2.1               SUPPORT CHANNELS**

- .1        U shape, size 41 x 41 mm, 2.5 mm thick, surface mounted or suspended.

**Part 3            Execution**

**3.1               INSTALLATION**

- .1        Secure equipment to masonry, tile and plaster surfaces with lead anchors or nylon shields.
- .2        Secure equipment to poured concrete with expandable inserts.
- .3        Secure equipment to hollow masonry walls or suspended ceilings with toggle bolts.
- .4        Support equipment, conduit or cables using clips, spring loaded bolts, cable clamps designed as accessories to basic channel members.
- .5        Fasten exposed conduit or cables to building construction or support system using straps.
  - .1        One-hole steel straps to secure surface conduits and cables 50 mm and smaller.
  - .2        Two-hole steel straps for conduits and cables larger than 50 mm.
  - .3        Beam clamps to secure conduit to exposed steel work.

- .6      Suspended support systems.
  - .1      Support individual cable or conduit runs with 6 mm dia threaded rods and spring clips.
  - .2      Support 2 or more cables or conduits on channels supported by 6 mm dia threaded rod hangers where direct fastening to building construction is impractical.
- .7      For surface mounting of two or more conduits use channels.
- .8      Provide metal brackets, frames, hangers, clamps and related types of support structures where indicated or as required to support conduit and cable runs.
- .9      Ensure adequate support for raceways and cables dropped vertically to equipment where there is no wall support.
- .10     Do not use wire lashing or perforated strap to support or secure raceways or cables.
- .11     Do not use supports or equipment installed for other trades for conduit or cable support except with permission of other trade and approval of Departmental Representative.
- .12     Install fastenings and supports as required for each type of equipment cables and conduits, and in accordance with manufacturer's installation recommendations.

**END OF SECTION**