

1. General Information

2. Products

2.1 U type channel struts

- .1 U type channel struts, 41 mm x 41 mm, 2.5 mm thick.

3. Execution

3.1 Installation

- .1 Secure equipment to masonry, ceramic and plaster surfaces using nylon pegs.
- .2 Secure the equipment to poured concrete surfaces using expansion plugs.
- .3 Secure the equipment to hollow masonry walls or suspended ceilings using toggle bolts.
- .4 Attach the surface-mounted equipment to the T-sections of the suspended ceilings using torsion clips. Before installing the prescribed equipment, ensure that the T type suspension is strong enough to support the weight.
- .5 Support conduits or cables with staples, spring bolts and cable ties designed as U-type accessories.
- .6 Use straps to secure exposed cables or ducts to the building's frame or building components.
 - .1 One-hole steel strapping to attach overhead conduits and cables 50 mm or less in diameter.
 - .2 Two-hole steel strapping to attach overhead conduits and cables 50 mm or more in diameter.
 - .3 Use clamps to secure conduits to exposed steel structural elements.

- .7 Suspended support systems:
 - .1 Support each cable or conduit with 6 mm diameter threaded rods and spring clips.
 - .2 Support at least two cables or conduits on U-shaped channels supported by 6 mm diameter threaded suspension rods, when they cannot be attached directly to the frame of the building.
- .8 To mount two or more protruding conduits, use U-shaped channels at 1.5 m distance between centers.
- .9 Install brackets, mounts, hooks, clamps and other types of metal brackets where indicated and where necessary to support conduits and cables.
- .10 Provide adequate support for vertical pipelines and cables, without wall mounting, to the equipment.
- .11 Do not use binding wire or perforated strapping to support or secure pipelines or cables.
- .12 Do not use supports and equipment installed for other trades as conduits or cables except with the permission of the latter and the approval of the Engineer.
- .13 Install fasteners and brackets as required for each type of equipment, conduit and cable as per the manufacturer's recommendations.
- .14 Design, supply and install a complete seismic fastening system for electrical equipment.
- .15 The design must be carried out by an engineer member of the *Ordre des Ingénieurs du Québec* and specialist in seismic systems.

END OF SECTION