

1. **PART 1 – GENERAL**

1.1 Related work

- .1 Fastening and supports: General architectural specifications – General requirements for products (if applicable).

1.2 Shop drawings and product data

- .1 Submit shop drawings and product data in accordance with Section 260500E – Common Work Results for Electrical.

2. **PART 2 – PRODUCTS**

2.1 Support channels

- .1 U shape, size 41 x 41 mm, 3 mm thick, surface mounted or suspended.
- .2 Materials: steel, galvanized steel, aluminium and/or PVC as indicated.

3. **PART 3 – EXECUTION**

3.1 Installation

- .1 Unless otherwise indicated, use following materials:
 - .1 Outside:
 - ☐ galvanized steel
 - ☐ aluminum
 - ☒ PVC
 - ☐
 - .2 Dry area:
 - ☒ steel
 - ☐
 - .3 Damp and wet areas:
 - ☐ galvanized steel
 - ☐ aluminum
 - ☒ PVC
- .2 Secure equipment to hollow solid masonry, tile and plaster surfaces with lead anchors or nylon shields.
- .3 Secure equipment to poured concrete with expandable inserts.
- .4 Secure equipment to hollow masonry walls or suspended ceilings with toggle bolts.
- .5 Support equipment, conduit or cables using clips, spring loaded bolts, cable clamps designed as accessories to basic channel members.
- .6 Fasten exposed conduit or cables to building structure or support system using straps.
 - .1 One hole malleable iron 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.
- .7 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.

- .8 For surface mounting of two or more conduits use channels.
- .9 Provide metal brackets, frames, hangers, clamps and related types of support structures where indicated or as required to support conduit and cable runs.
- .10 Ensure adequate support for raceways and cables dropped vertically to equipment where there is no wall support.
- .11 Do not use wire lashing or perforated strap to support or secure raceways or cables.
- .12 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.
- .13 Install fastenings and supports as required for each type of equipment cables and conduits, and in accordance with manufacturer's installation recommendations.