

## PART 1 - GENERAL

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| <u>1.1 Related Sections</u>              | .1 | Section 01 74 21 - Construction/Demolition Waste Management And Disposal.   |
| <u>1.2 Waste Management and Disposal</u> | .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 and 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 Engineer.  |
|  | .5 | Fold up metal banding, flatten and place in designated area for recycling.  |

## PART 2 - PRODUCTS

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| <u>2.1 Support Channels</u> | .1 | U shape, size 41 x 41 mm (1 3/5" x 1 3/5"), 2.5 mm (1/10") thick, surface mounted, suspended or set in poured concrete walls and ceilings. |
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## PART 3 - EXECUTION

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| <u>3.1 Installation</u> | .1 | Secure equipment to hollow or solid masonry, tile and plaster surfaces with anchors to suit.   |
|                         | .2 | Secure equipment to poured concrete with expandable inserts.   |
|                         | .3 | Secure equipment to hollow masonry walls or suspended ceilings with toggle bolts.  |
|                         | .4 | Secure surface mounted equipment with twist clip fasteners to inverted T bar ceilings. Ensure that T bars are adequately supported to carry weight of equipment specified before installation. |
|                         | .5 | Support equipment, conduit or cables using clips, spring loaded bolts, cable clamps designed as accessories to basic channel members.  |
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3.1 Installation  
(Cont'd)

- .6 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 (2") and smaller.
  - .2 Two-hole steel straps for conduits and cables larger than 50 mm (2").
  - .3 Beam clamps to secure conduit to exposed steel work.
- .7 Suspended support systems.
  - .1 Support individual cable or conduit runs with 6 mm (1/4") dia. threaded rods and spring clips.
  - .2 Support 2 or more cables or conduits on channels supported by 6 mm (1/4") dia. threaded rod hangers where direct fastening to building construction is impractical.
- .8 For surface mounting of two or more conduits use channels at 1.5 m (5') on centre spacing.
- .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 Engineer.
- .13 Install fastenings and supports as required for each type of equipment cables and conduits, and in accordance with manufacturer's installation recommendations.