

PART 1 - GENERAL

- 1.1 REFERENCES .1 Canada Green Building Council (CaGBC)
.1 LEED Canada-NC-2009, LEED (Leadership in Energy and Environmental Design): Green Building Rating System Reference Package For New Construction and Major Renovations.
- 1.2 ACTION AND INFORMATIONAL SUBMITTALS .1 Sustainable Design Submittals:
.1 LEED Canada submittals: in accordance with Section 01 35 21 - LEED Requirements.
.2 Construction Waste Management:
.1 Submit project Waste Management Plan highlighting recycling and salvage requirements.
.2 Submit calculations on end-of-project recycling rates, salvage rates, and landfill rates demonstrating that 75 % of construction wastes were recycled or salvaged.
.3 Recycled Content:
.1 Submit listing of recycled content products used, including details of required percentages or recycled content materials and products, showing their costs and percentages of post-consumer and post-industrial content, and total cost of materials for project.
.4 Regional Materials: submit evidence that project incorporates required percentage 20 % of required percentage of regional materials and products, showing their cost, distance from project to furthest site of extraction or manufacture, and total cost of materials for project.
- 1.3 DELIVERY, STORAGE AND HANDLING .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
.2 Develop Construction Waste Management Plan related to Work of this Section and in
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- 1.3 DELIVERY,
STORAGE AND
HANDLING
(Cont'd)
- .2 (Cont'd)
accordance with Section 01 35 21 - LEED
Requirements.
- .3 Packaging Waste Management: remove for reuse
or return of pallets, crates, padding,
banding, and packaging materials as specified
in Construction Waste Management Plan in
accordance with Section 01 74 21 -
Construction/Demolition Waste Management and
Disposal and Section 01 35 21 - LEED
Requirements.

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 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.
- .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 53 mm and smaller.

3.1 INSTALLATION
(Cont'd)

- .6 (Cont'd)
 - .2 Two-hole steel straps for conduits and cables larger than 53 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 diameter threaded rods and spring clips.
 - .2 Support 2 or more cables or conduits on channels supported by 6 mm diameter threaded rod hangers where direct fastening to building construction is impractical.
- .8 For surface mounting of two or more conduits use channels at 1.2 m 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 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.

3.2 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition

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3.2 CLEANING .2 Waste Management: (Cont'd)
(Cont'd) Waste Management and Disposal and Section
01 35 21 - LEED Requirements.
.1 Remove recycling containers and bins
from site and dispose of materials at
appropriate facility.