

PART 1 - GENERAL

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| <u>1.1 REFERENCES</u> | .1 | Canadian Standards Association (CSA) |
| | .1 | CSA C22.2 No. 83, Electrical Metallic Tubing. |

PART 2 - PRODUCTS

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| <u>2.1 CONDUITS</u> | .1 | Electrical metallic tubing (EMT): to CSA C22.2 No. 83, with couplings. |
| <u>2.2 CONDUIT FASTENINGS</u> | .1 | One hole steel straps to secure surface conduits 53 mm and smaller. Two hole steel straps for conduits larger than 53 mm. |
| | .2 | Channel type supports for two or more conduits at 1.5 m on centre. |
| | .3 | Threaded rods, 6 mm diameter, to support suspended channels. |
| <u>2.3 CONDUIT FITTINGS</u> | .1 | Fittings: manufactured for use with conduit specified. Coating: same as conduit. |
| | .2 | Factory "ells" where 90°, 45° or 22.5° bends are required for 25mm and larger conduits. |
| | .3 | Ensure conduit bends other than factory "ells" are made with an approved bender. Making offsets and other bends by cutting and rejoining 90 degree bends are not permitted. |
| | .4 | Connectors and couplings for EMT. Steel set-screw type, size as required. |
| <u>2.4 FISH CORD</u> | .1 | Polypropylene. |
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PART 3 - EXECUTION

<u>3.1 MANUFACTURER'S INSTRUCTIONS</u>	.1	Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
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<u>3.2 INSTALLATION</u>	.1	Install all conduit, conduit fittings and accessories in accordance with the latest edition of the Canadian Electrical Code in a manner that does not alter, change or violate any part of the installed system components or the CSA/UL certification of these components.
	.2	Install conduits to conserve headroom in exposed locations and cause minimum interference in spaces through which they pass.
	.3	Surface mount conduits except in finished areas or as indicated.
	.4	Use electrical metallic tubing (EMT) where indicated.
	.5	Bend conduit cold. Replace conduit if kinked or flattened more than 1/10th of its original diameter.
	.6	Mechanically bend steel conduit over 19 mm diameter.
	.7	Install fish cord in empty conduits.
	.8	Remove and replace blocked conduit sections. Do not use liquids to clean out conduits.
	.9	Dry conduits out before installing wire.

<u>3.3 SURFACE CONDUITS</u>	.1	Run parallel or perpendicular to building lines.
	.2	Group conduits wherever possible on suspended channels.

3.3 SURFACE
CONDUITS

(Cont'd)

- .3 Do not pass conduits through structural members except as indicated.
- .4 Do not locate conduits less than 75 mm parallel to steam or hot water lines with minimum of 25 mm at crossovers.