

PART 1 - GENERAL

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| 1.1 DELIVERY,<br>STORAGE AND<br>HANDLING | .1 | Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.   |
|  | .2 | Waste Management and Disposal:<br>.1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal. |

PART 2 - PRODUCTS

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| 2.1 OUTLET AND<br>CONDUIT BOXES<br>GENERAL | .1 | Size boxes in accordance with CSA C22.1.   |
|  | .2 | 102mm square or larger outlet boxes as required.   |
|  | .3 | Gang boxes where wiring devices are grouped.   |
|  | .4 | Blank cover plates for boxes without wiring devices.   |
|  | .5 | Combination boxes with barriers where outlets for more than one system are grouped.  |
| 2.2 GALVANIZED<br>STEEL OUTLET BOXES       | .1 | One-piece electro-galvanized construction.   |
|  | .2 | Single and multi gang flush device boxes for flush installation, minimum size 76 x 50 x 38 mm or as indicated. 102 mm square outlet boxes when more than one conduit enters one side with extension and plaster rings as required. |
|  | .3 | 102 mm square or octagonal outlet boxes for lighting fixture outlets.  |
|  | .4 | Extension and plaster rings for flush mounting devices in finished plaster and tile walls.   |
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- 2.3 MASONRY BOXES .1 Electro-galvanized steel masonry single and multi gang boxes for devices flush mounted in exposed block walls.
- 2.4 FLOOR BOXES .1 Concrete tight electro-galvanized steel poke-through floor boxes antique bronze brushed aluminum faceplate. 150 mm body with two 15A duplex receptacles and four voice/data jacks. 53 mm conduit opening for comms and 21 mm for power. Feed with junction box in first floor ceiling space.
- .2 Watertight flush installation at finished floor. Individual doors for data and power to fold under cover when in use.
- .3 Include all components for a complete installation. Data wiring by Owner.
- 2.5 CONDUIT BOXES .1 Cast FS or FD aluminum boxes with factory-threaded hubs and mounting feet for surface wiring of devices.
- 2.6 FITTINGS - GENERAL .1 Bushing and connectors with nylon insulated throats.
- .2 Knock-out fillers to prevent entry of debris.
- .3 Conduit outlet bodies for conduit up to 35 mm and pull boxes for larger conduits.
- .4 Double locknuts and insulated bushings on sheet metal boxes.
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PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Support boxes independently of connecting conduits.
- .2 Fill boxes with paper, sponges or foam or similar approved material to prevent entry of debris during construction. Remove upon completion of work.
- .3 For flush installations mount outlets flush with finished wall using plaster rings to permit wall finish to come within 6 mm of opening.
- .4 Provide correct size of openings in boxes for conduit, mineral insulated and armoured cable connections. Do not install reducing washers.
- .5 Vacuum clean interior of outlet boxes before installation of wiring devices.
- .6 Identify systems for outlet boxes as required.