

PART 1 - GENERAL

1.1 RELATED SECTIONS .1 Section 01 10 10 - General Instructions.

1.2 REFERENCES .1 Canadian Standards Association (CSA International).
.1 CAN/CSA-C22.2 No.18, Outlet Boxes, Conduit
Boxes, Fittings and Associated Hardware.
.2 CSA C22.2 No.65, Wire Connectors.
.2 Electrical and Electronic Manufacturers' Association
of Canada (EEMAC).
.1 EEMAC 1Y-2, Bushing Stud Connectors and
Aluminum Adapters (1200 Ampere Maximum Rating).
.3 National Electrical Manufacturers Association
(NEMA).

1.3 WASTE MANAGEMENT AND DISPOSAL .1 Separate and recycle waste materials in accordance
with Section 01 10 10 - General Instructions.
.2 Remove from site and dispose of all packaging
materials at appropriate recycling facilities.
.3 Collect and separate for disposal paper, plastic,
polystyrene, corrugated cardboard packaging material
in appropriate on-site bins for recycling in
accordance with Waste Management Plan.
.4 Divert unused wiring materials from landfill to
metal recycling facility as approved by Departmental
Representative.

PART 2 - PRODUCTS

- 2.1 MATERIALS
- .1 Pressure type wire connectors to: CSA C22.2 No.65, with current carrying parts of copper alloy sized to fit copper conductors as required.
 - .2 Fixture type splicing connectors to: CSA C22.2 No.65, with current carrying parts of copper alloy sized to fit copper conductors 10 AWG or less.
 - .3 Bushing stud connectors: to EEMAC 1Y-2 NEMA to consist of:
 - .1 Connector body and stud clamp for stranded copper conductors.
 - .2 Clamp for copper bar.
 - .3 Stud clamp bolts.
 - .4 Bolts for copper bar.
 - .5 Sized for conductors and bars as indicated.
 - .4 Clamps or connectors for armoured cable, flexible conduit, non-metallic sheathed cable. as required to: CAN/CSA-C22.2 No.18.

- 2.2 ARMOURED CABLE CONNECTORS
- .1 For all conditions, use aluminum body connector, watertight design with non-magnetic stainless steel grounding ring similar to Thomas and Betts STARTECK or approved equal.
 - .2 Where connector is used in NPS threadless opening, use rubber gasket equal to Thomas and Betts 5262 between the outside of the enclosure and the fitting shoulder. Locknut shall be non-magnetic material.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- .1 Remove insulation carefully from ends of conductors and:
 - .1 Install mechanical pressure type connectors and tighten screws. Installation shall meet secureness tests in accordance with CSA C22.2 No.65.
 - .2 Install fixture type connectors and tighten. Replace insulating cap.

3.1 INSTALLATION	.2	Install bushing stud connectors in accordance with
(Cont'd)		NEMA.
