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**Washroom Buildings Recapitalization  
Buildings 32, 34 & 38  
Newman Sound Campground  
Terra Nova National Park, NL  
Proj. No.: R.079272.001**

Section 26 05 20 - Wire and Box Connectors 0-1000 V

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**PART 1**      **GENERAL**

**1.1**            **SECTION INCLUDES**

- .1            Materials and installation for wire and box connectors.

**1.2**            **RELATED SECTIONS**

- .1            Section 26 05 00 – Common Work Results - Electrical.

**1.3**            **REFERENCES**

- .1            Canadian Standards Association (CSA)
  - .1            CAN/CSA-C22.2 No.18, Outlet Boxes, Conduit Boxes and Fittings.
  - .2            CAN/CSA-C22.2 No.65, Wire Connectors (Tri-National Standard with UL 486A-486B and NMJ-J-543-ANCE-03).
- .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)

**PART 2**      **PRODUCTS**

**2.1**            **MATERIALS**

- .1            Pressure type wire connectors to: CSA C22.2 No.65, with current carrying parts of copper sized to fit copper conductors as required.
- .2            Fixture type splicing connectors to: CSA C22.2 No.65, with current carrying parts of copper sized to fit copper conductors 10 AWG or less.
- .3            Bushing stud connectors: to EEMAC 1Y-2 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, aluminum sheathed cable, mineral insulated cable, flexible conduit, non-metallic sheathed cable as required to: CAN/CSA-C22.2 No.18.

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**PART 3**      **EXECUTION**

**3.1**            **INSTALLATION**

- .1      Remove insulation carefully from ends of conductors and:
  - .1      Install mechanical pressure type connectors and tighten screws with appropriate compression tool recommended by manufacturer. Installation shall meet secureness tests in accordance with CSA C22.2 No.65.
  - .2      Install fixture type connectors and tighten. Replace insulating cap.
  - .3      Install bushing stud connectors in accordance with EEMAC 1Y-2.

**END OF SECTION**