

## Ontario, Canada

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The implementation involved the construction of 12 power transformer control cabinets for one of the Canadian electricity distributors. The manufactured housings made of 316L acid-resistant steel will ensure uninterrupted operation of the switchboards in demanding corrosive conditions resulting from their seaside location.

Supply voltage: 120/208V AC

Voltage frequency: 60 Hz

Rated current: 60 A

Tightness class: NEMA 3

Corrosion protection: C5

Operating temperature range: -40°C to 50°C

**COMPLETION DATE: NOVEMBER 2020**

### Switchboard:

**Dimensions:** 1200mm x 1600mm x 500mm

**Type:** SZB – Large external casing with a sloping roof

**Color:** ANSI70

**Manufacturer:** Radiolex

126-362.007 – SZB-KO-1200\*1600\*500 – Switchgear housing – manufacturer Radiolex

815-001 – TA-20-ST – Premium Thermal Insulation for use in frosty weather conditions

### ABB equipment used:

1SBH137001R1322 – **NF22E-13** – Contactor relay 2NO/2NC 6A 230V AC/DC

1SBH137001R1340- **NF40E-13** -Contactor relay 100-250V50/60HZ-DC

1SBH137001R1380 - **NF80E-13** -Contactor relay 100-250V

1SBN020114R1000 - **TEF4-OFF** - Time relay 1Z 1R turn-off delay

1SBN020112R1000 -**TEF4-ON** -Time relay 1Z 1R switch-on delay

1SDA074642R1 -**XT1 125A TMF 60A FF** - Molded case circuit breaker 125A, fixed threshold 60A

2CDS200914R0001 -**S2C-H6RU** -Auxiliary contact 1Z 0R, side mounting

2CDS271337R0377 -**SU 201M-K6** -Multi-current circuit breaker 1P, 6A char. K

2CDS271337R0378 -**SU 201M-Z6** -Multi-current circuit breaker 1P, 6A char. WITH

2CDS271337R0427 -**SU 201M-K10** -Multi-current circuit breaker 1P, 10A char. K

2CDS271337R0428 -**SU 201M-Z10** -Multi-current circuit breaker 1P, 10A char. WITH

2CDS271337R0487 - **SU 203M-K20** - 3P circuit breaker, 20A char. K

2CDS273337R0447 - **SU 203M-K13** - 3P circuit breaker, 13A char. K

#### **Stego equipment used:**

01131.9-00 - **ETR 011** - Electronic thermostat -4 to +140°F 120V AC

02527.0-10 - **SL025** - Lamp, Slimline series 230V

14008.0-00 - **HG140** - Solid-state heater 150W 120-240V AC/DC

#### **Apparatus from other manufacturers used:**

038847 - **T0-2-8221/E** -Cam switch 1-2 20A 2P manufactured by Eaton

067352 - **T0-1-8200/E** - Cam switch 0-1 1P 20A manufactured by Eaton

20K02-D - **20K02-D** - Current test switch manufactured by States

2FMS14-14 - **2FMS14-14** -Indoor disconnecter, panel mounting, manufactured by States

4LN25A:0.5A/A-4 - **CT 5A** - Auxiliary current transformer manufactured by SENTRAN

HBL2310 - **HBL2310** - Single socket 20A 125V AC manufactured by Hubbel

HBL2310SW - **HBL2310SW** - Single Waterproof Socket 20A 125V ACprod. Hubbel

Itm509-00390237-s - **ITM509 Series** -Electronic transformer monitor, 8DO, 8AI, 4AO prod. Qualitrol

KXCBS11 - **KXCBS11** - Limit switch manufactured by Lovato

## GALERIA PRODUKTU WRAZ Z PRZYKŁADOWYMI REALIZACJAMI





