

Nova Scotia, Canada

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135MVA power transformer control cabinet. The implementation included the production and prefabrication of 2 switchboards, which were exported to a wind farm located on the eastern coast of North America.

Supply voltage: 208/120V AC, 60Hz

Control voltage: 125V DC

Rated current: 90A

Standard: USA

Tightness class: IP66

Corrosion protection: C4

Operating temperature range: -31°C to +41°C

IMPLEMENTATION DATE: AUGUST 2019

Switchboard:

Dimensions:1400mm x 1400mm x 650 mm

Type:SZS-OH - large-size housing made of stainless steel, IP66

Color:outside: RAL7038, inside: RAL9003.

Manufacturer:Radiolex

120-258.001 - **SZS-OH 1400*1400*650** - Switchgear housing - manufacturer Radiolex

ABB equipment used:

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

1SBL277001R1300 - **AF30-30-00-10** - Contactor 3NO 21A 230V DC, AF series

1SCA022382R9850 –**OHB65J6E00S** –Handle for disconnect 65mm for OT160-250

1SCA108824R1001 –**OS30FAJ12** –Shaft for extending the door drive 170mm

1SCA121957R1001 –**OS100GJ03K** –Fuse switch disconnect 100A, Class J

T1N025TL –**T1N025TL** –Compact power circuit breaker 25A 3P

Marathon equipment used:

series 142 –**1423122** -- 3P terminal block

1606SC – **1606SC** – terminal block with brass inserts 1600 series, 6 poles

1606STD – **1606STD** – 1600 series terminal block, 6 poles

1606STD+CC – **1606STD+CC** – 1600 series terminal block with cover, 6 poles

1612STD – **1612STD** – 1600 series terminal block, 12 poles

1612STD+CC – **1612STD+CC** – 1600 series terminal block with cover, 12 poles

1612STD+MCJ+CC – **1612+MCJ+CC** – 1600 series terminal block with cover and jumper, 12-pole

STEGO equipment used:

14007.0-00 – **HG140** – Solid-state heater 150W 120-240V AC/DC

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

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

Apparatus from other manufacturers used:

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

091059 – **T0-5-8270/E** – Cam switch 1-2-3 3P 20A manufactured by Eaton

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

7803D –**7803D**– Industrial relay 120V AC/ 125V DC manufactured by Electros witch

8501XO40V02 – **8501XO40V02** – Blocking relay man. Square D

GFR5262 WTR – **GFR5262 WTR** – Socket 15A 125V manufactured by Hubbel

JDL10 –**JDL10** –Fuse link 10A, Class J manufactured by Edison

JDL90 –**JDL90** –Fuse link 90A, Class J manufactured by Edison

SCT-0750-005 – **5A - 0.333V** – Current transformer 5A 50-400Hz manufactured by Magnelab

TRA – **TRA-001-1** – Current compensation autotransformer manufactured by Qualitrol

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