



The Switch to Prime is On.

2KV DC Bus Duct Assembly

Client:

GE Industrial Systems

Project Name:

Widows Creek
D.C. Bus Duct

Location:

Stevensville, AL

Completion:

November 2003

Governing Bodies:

IEEE and ANSI



Services Provided:

Engineer, Design and Installation of:

- The bus duct was non-segregated, D.C. rated, indoor NEMA 12, painted steel construction with insulated copper bus, 5KV Standoff insulators, and space heaters. The duct shall be constructed from 12 gauge steel with 10 gauge flanges. The bus was insulated with, 15 KV, Heat Shrink insulation, and provided with removable insulating boots at all joints.
- The D.C. Bus Duct was manufactured for General Electric. It was installed at the TVA, Widows Creek Power Generation Plant in Stevensville, Alabama.
- The Bus Duct was rated 3000 Amps, 2000 Volts D. C., and Braced for 65kADC Short Circuit.
- The Project was to upgrade the Unit 8A and 8B Steam Turbine Generators from Rotary to Electronic Excitation. The Project included field surveys by Prime personnel for measurements and routing. The project was completed on time and under budget.

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