



Name:	Kings Cross Tunnel Switchboards	Client:	O'Donnell Griffin – NSW Installations
Owner:	Roads and Traffic Authority (RTA)	Site Location:	Kings Cross- Sydney, NSW
Value at Completion:	Approx. \$320,000	Year Completed:	2008

Project Description: The switchboards were custom manufactured to IP65 & Form 3b segregation from 2mm 316 grade stainless steel then powdercoated 631 Light Grey and mounted on custom manufactured HD Galvanised plinths. The MSB/MCC incorporated dual Energy Australia CT metered supplies with ATS change-over system and 13 off Tunnel Vent Fan Reversing Staters incorporating Schneider TeSys T motor protection relays allowing monitoring of motor voltage and power and starter configuration via DeviceNet communications to remote I/O PLC.

- Technical Highlights:**
- 1600A Main Switchboard / Motor Control Centre
 - Tunnel East Lighting Distribution Board
 - Tunnel West Lighting Distribution Board
 - 2 off UPS Distribution Boards
 - Vacuum Pump Starter Panel
 - Factory Testing, On site installation and re-assembly, Site Testing

Personnel: Switchboard Manager: Brett Dunning
Project Designer: Paul Dent

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PROJECT PROFILE

Project Design: Neil McLeod

Special Project Achievements

Due to restricted access to the tunnel switchrooms via confined tunnel passageways, the MSB/MCC and DBs had to be manufactured to allow the boards to be split into individual tiers of maximum 800mm wide to allow the switchboards to be positioned and installed within the existing switchrooms and then re-assembled and re-tested on site.

Quality Standards Applicable AS/NZS 3000, AS/NZS 3439.1

Specific OH & S Requirements IP2X Touch Protection

Referees:

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