



ELECTRICAL MACHINERY OR EQUIPMENT

Electrical room and control cabin

Electrical rooms and control cabins have traditionally been made of carbon steel. This type of structure is often used in dusty, humid and harsh environments. In these conditions, carbon steel often suffers from severe external corrosion.

Because of its well-known corrosion resistance, stainless steel offers a solution for this type of structure. The cabins are used to control two pieces of equipment that transport iron ore at CVRD's facility at Tubarão Harbour.

- 48 -



LOCATION/ENVIRONMENT VITÓRIA BRAZIL/OUTDOOR

PRODUCT STAINLESS STEEL TUBE

FABRICATION PROCESS CONFORMATION AND BOLTED ASSEMBLING

GRADE AISI 304 (1 TO 3 MM WALL THICKNESS)

SURFACE BRUSHED

COMPETING MATERIAL GALVANISED STRUCTURAL CARBON STEEL

DATE OF COMPLETION NOVEMBER 2006

MANUFACTURING COMPANY THYSSENKRUPP AND COMISA

MATERIAL SUPPLIER ACESITA

SOURCE OF INFORMATION NÚCLEO INOX

REMARKS STRUCTURAL COLUMNS AND BEAMS MADE OF 80 MM SQUARE TUBES (AISI 304, WALL THICKNESS OF 3 MM). TOTAL CONSUMPTION OF STAINLESS STEEL WAS 17 TONNES.