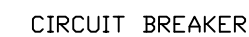


AC Schematic



DISCONNECTOR / EARTH SWITCH

11kV BUSBAR 1

11kV BUSBAR 2

NOTES

1. The purpose of this drawing is to clarify the requirements of the associated contract/enquiry specification. The issue of this with the specification does not absolve the successful contractor from his normal responsibility to provide a satisfactory scheme and to submit drawings of systems proposed for approval by the engineer.

2. The DC bus wiring on the switchboard is to be fed from the battery bank via the incoming panels and removable links are to be provided at the bus coupler panel.

3. All relays have been shown de-energised with switches open.

4. This drawing will enable the different contractors to co-ordinate their respective systems with associated equipment. For this reason ferrule numbers of interconnecting points must be strictly adhered to. Where absolutely necessary ferrule numbers of connectors not associated with equipment on other contract may be added or altered.

5. Test blocks have been shown schematically. The actual wiring must be such as to be, from the left, 'RED' 'WHITE' and 'BLUE' as viewed from the front of the test block.

LEGEND

SHEET 2 OF 2

DRAWN		LAWRENZ		SHEET 2 OF 2	
DATE		2015-08-19			
CHIEF ENGINEER		REFERENCE DRAWINGS		REVISIONS	
PLANNING				BY: DATE:	
PROTECTION		ETHEKWINI ELECTRICITY PROPOSED 132kV SUBSTATION WITH SEPARATED 132kV FEEDERS & TRANSFORMER FEEDERS AC & DC SCHEMATIC FOR 132/11kV TRANSFORMER (FIXED PATTERN)			
PLANNING					
PLANNING					
PROJECTS					
PLANNING					
PLANNING		SCALE:		DRAWING NO. (2 OF 2)	
APPROVED		NTS		TRD 60.1 (2 OF 2)	
DESIGNED BY		DEPUTY HEAD - H.V. OPERATIONS		REV:	