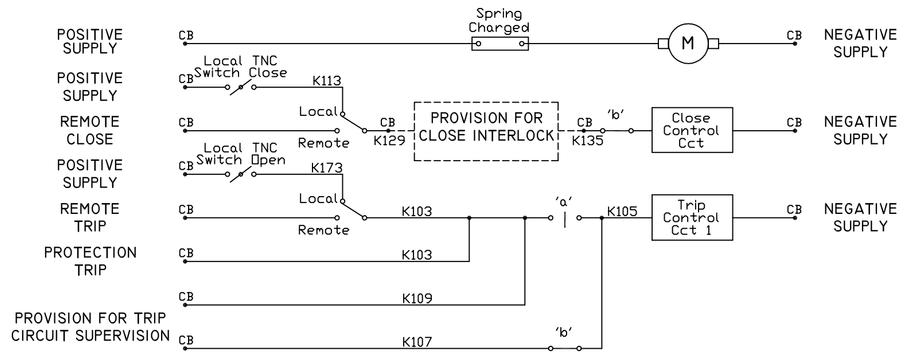
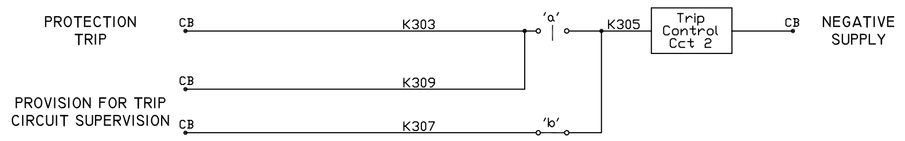
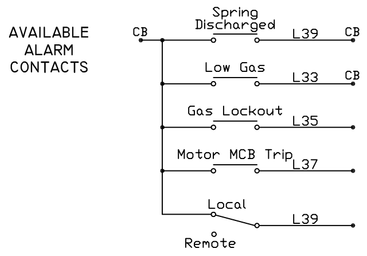
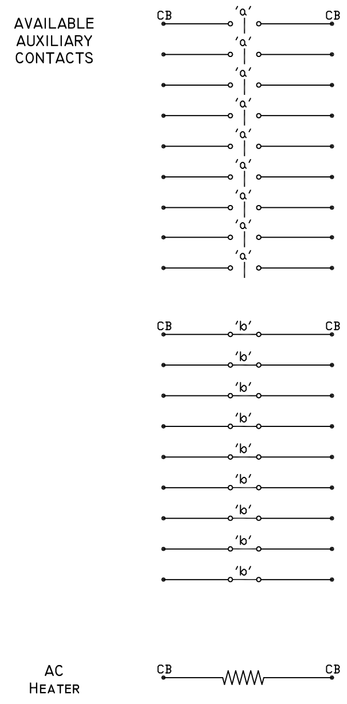
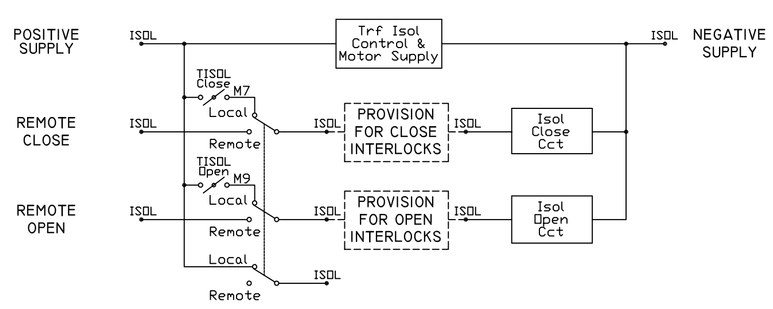


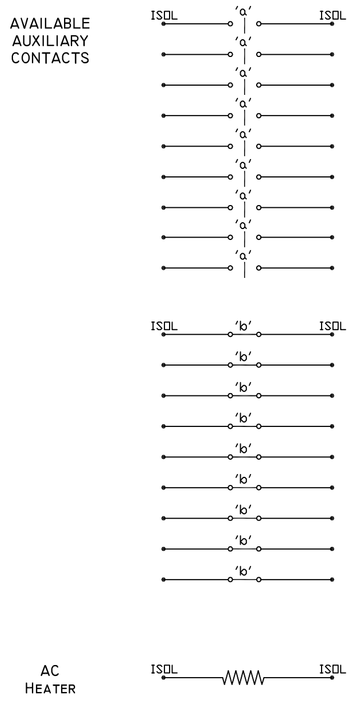




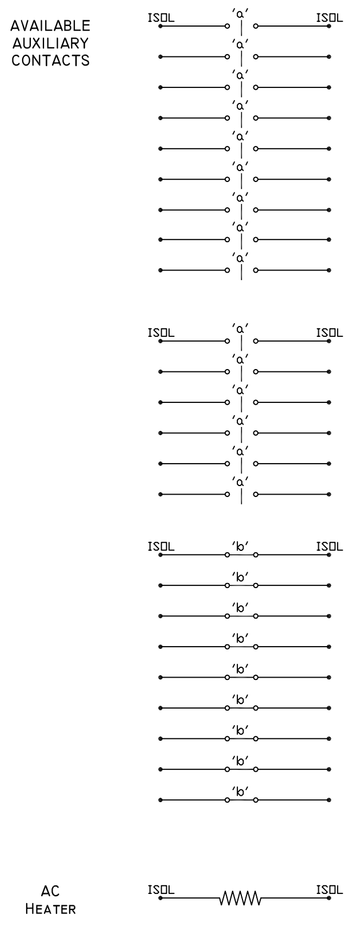


TYPICAL 132kV/275kV CIRCUIT BREAKER CONTROL SCHEMATIC





TYPICAL 132kV/275kV MOTORISED ISOLATOR CONTROL SCHEMATIC



TYPICAL 132kV/275kV HAND OPERATED ISOLATOR CONTROL SCHEMATIC

TYPICAL 132kV/275kV HAND OPERATED EARTH SWITCH CONTROL SCHEMATIC

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 nor to submit drawings of systems proposed for approval by the engineer.
2. All relays have been shown de-energised with switches open.
3. 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.

LEGEND

Isol	Isolator
CB	Circuit Breaker
E/S	Earth Switch
'a'	Contact which is 'Closed' when apparatus is 'Closed'
'b'	Contact which is 'Closed' when apparatus is 'Open'
	Normally Open Contact
	Normally Closed Contact

DRAWN	A.J.R.W.					
DATE	09/11/2004					
TRACED		REFERENCE DRAWINGS:	REVISIONS:	BY:	DATE:	
CHIEF DRAUGHTSMAN		ETHEKWINI ELECTRICITY				
PLANNING OFFICER		TYPICAL CONTROL SCHEMATIC FOR 132kV/275kV SWITCHGEAR				
PROTECTION ENGINEER						
PLAN./PROJ. ENGINEER						
PLAN./PROJ. MANAGER						
APPROVED A.J. DOLD DIRECTOR TRANSMISSION		SCALE: N. T. S.		DRAWING NUMBER: TD 18		REV: