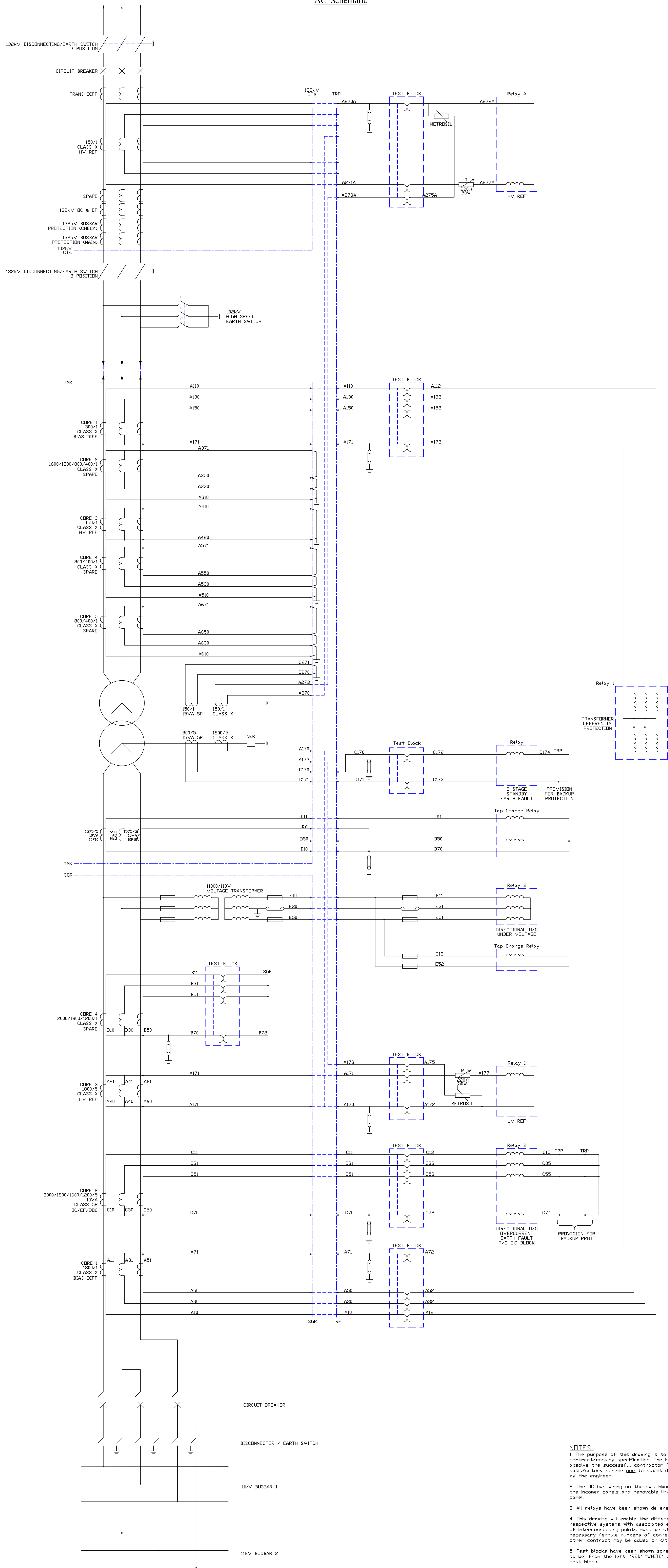


11kV Incomer
AC Schematic



NOTES:

- 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.
- The DC bus wiring on the switchboard is to be fed from the battery bank via the incomer panels and remove lines are to be provided at the bus coupler panel.
- All relays have been shown de-energised with switches open.
- 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 used or altered.
- 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

TRP	Transformer Relay Panel
TMK	Transformer Marshalling Kiosk
YMK	Yard Marshalling Kiosk
TCM	Tap Change Mechanism
TISOL	Transformer Isolator
TES	Transformer Earth Switch
ICAP	Integrated Control & protection
SGF	Terminal in Switchgear Front Relay Panel
SGR	Terminal in Switchgear Rear Secondary Cable Box
CB	Circuit Breaker
B1	Busbar 1
B2	Busbar 2
IE	Incomer Earth
TCS	Trip Circuit Supervision
PB	Push Button
PTB	Pilot Board
D/S	Out Station
J1	DC +ve Buswire
J2	DC -ve Buswire
RF1 & RF2	Relay Fall Buswire
ARC	Auto Reclose
+ +	Contact which is Closed when Contact is Closed
+ -	Contact which is Closed when Contact is Open
— —	Fuse
— —	Link
— —	Control Switch
— —	Push Button
— —	Relay Digital Input
— —	Relay Analog Input
— —	Normally Open Contact
— —	Normally Closed Contact
— —	Current Transformer

DRAWN	J.LAWRENCE	DATE	06-10-2015	REVISIONS	BY	DATE
CHECK		REFERENCE DRAWINGS				
DESIGNED						
OFFICE						
PLANNING						
ENGINEER						
PROTECT						
ENGINEER						
PROJECTS						
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SEAL						