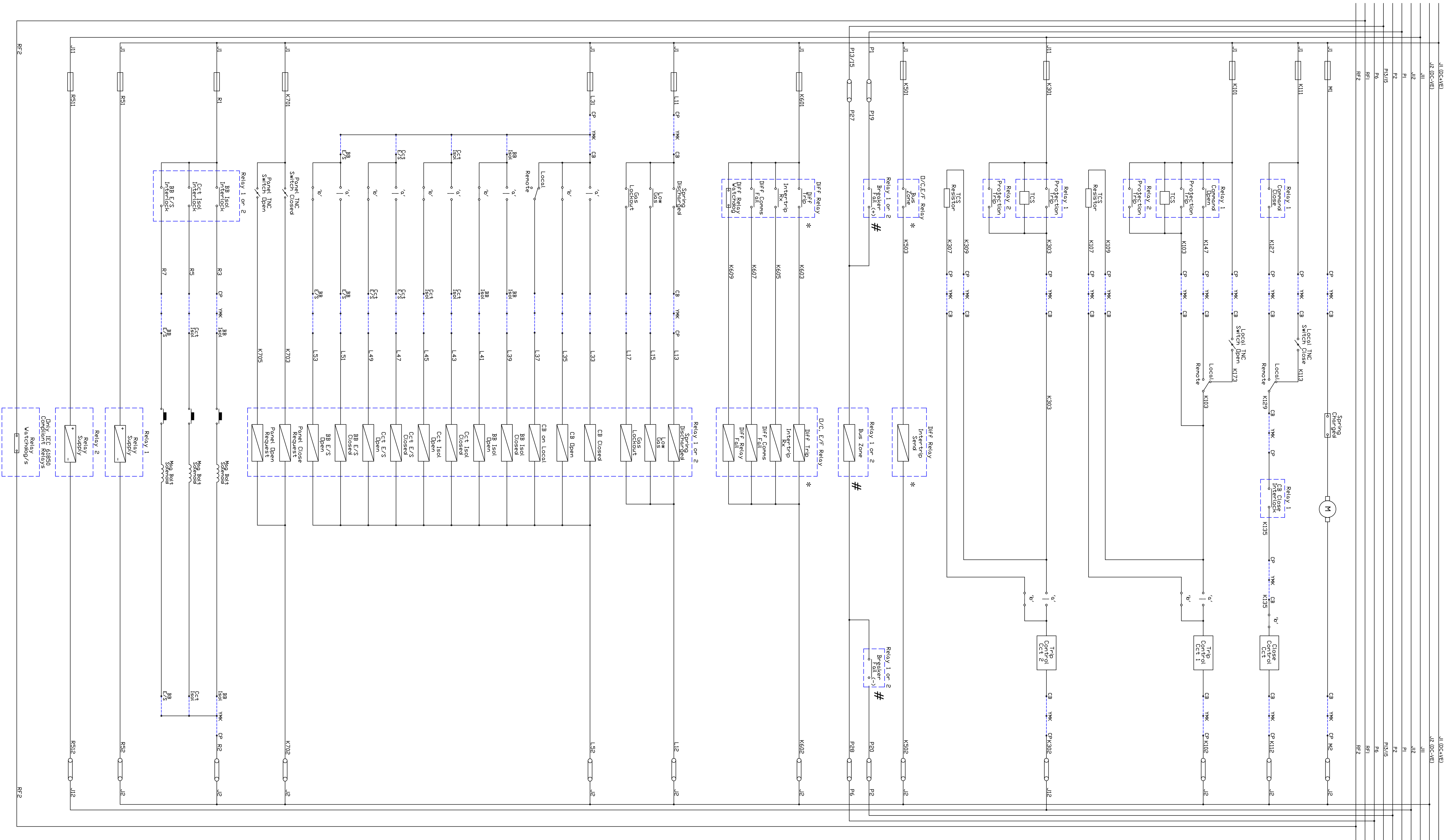
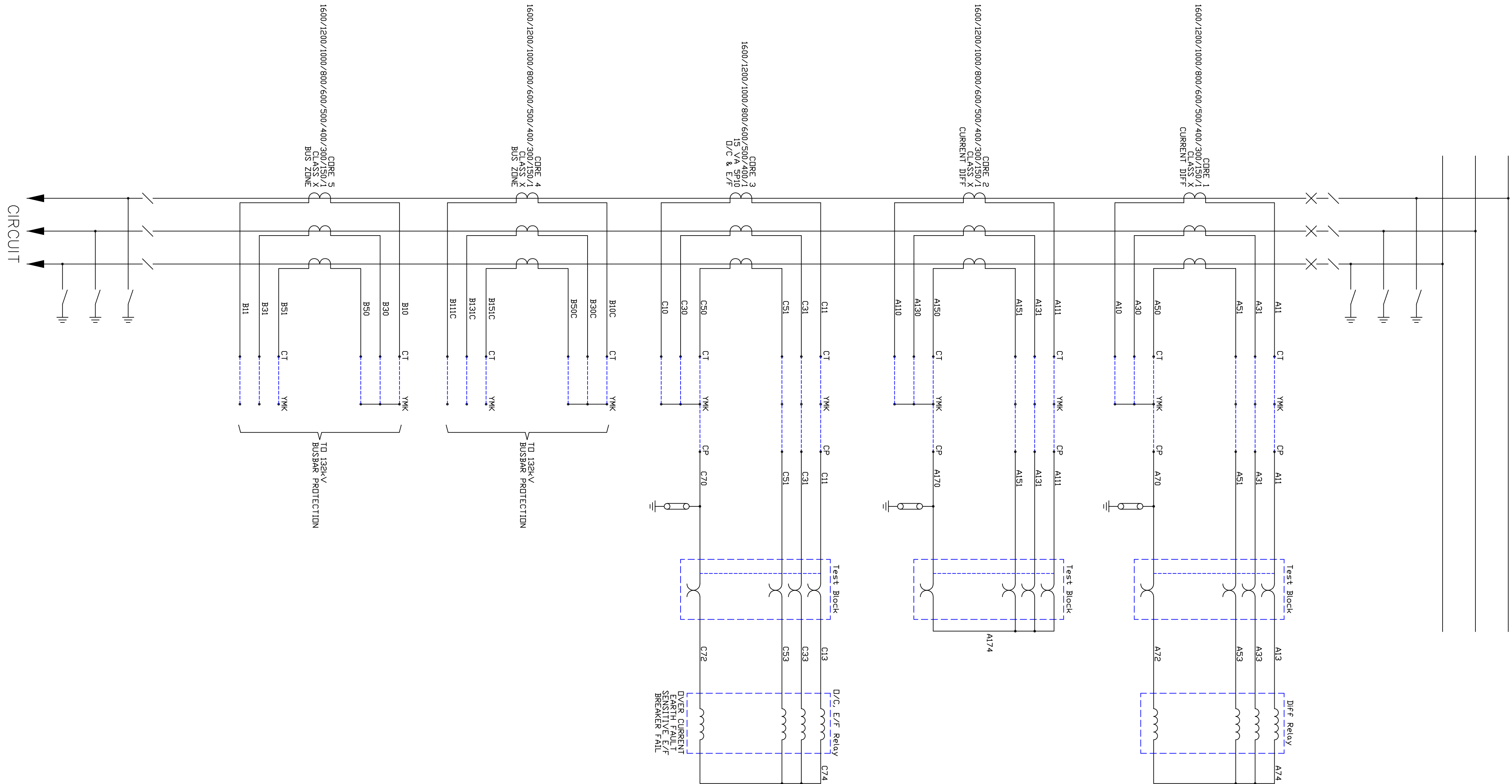


DC Schematic



AC Schematic



- NOTES:
- This drawing is to clarify the requirements of the associated contract/industry specification. The issue of this with the specification does not constitute an approval of the design. The design is the responsibility of the engineer.
 - All relays have been shown de-energised with switches open.
 - This drawing will enable the different contractors to co-ordinate their work. The drawing is a schematic and does not show the physical layout of the equipment. The drawing is a schematic and does not show the physical layout of the equipment. The drawing is a schematic and does not show the physical layout of the equipment.
 - Test blocks have been shown schematically. The actual wiring must be from the left, 'RED' 'WHITE' and 'BLUE' as viewed from the front of the test block.
 - Circuitry marked # is only required if differential relay make & model has been specified to match remote end and and is not IEC 61850 compliant.
 - Contacts and inputs marked # must all be contained in the same relay.

LEGEND	
CP	Control Panel
WTK	Welding Kiosk
E/S	Earth Switch
ISOL	Isolator
CB	Circuit Breaker
B1	Busbar 1
B2	Busbar 2
ARC	Auto Reclose
ICS	Trip Circuit Supervision
PTB	Push Button
PLT	Plot Board
W	Contact which is 'Closed' when Primary Equipment is 'Closed'
W	Contact which is 'Closed' when Primary Equipment is 'Open'
W	False
W	Link
W	Push Button
W	Relay Digital Input
W	Relay Analog Input
W	Normally Open Contact
W	Normally Closed Contact
W	Current Transformer

REV	DATE	BY	CHK	APP	DESCRIPTION
1	2010/09/10	1	1	1	13kV SUBSTATION WITH SEPARATED 13kV FEEDERS & TRANSFORMER FEEDERS
2	2010/09/10	1	1	1	AC & DC SCHEMATIC FOR 13kV FEEDER
3	2010/09/10	1	1	1	
4	2010/09/10	1	1	1	
5	2010/09/10	1	1	1	
6	2010/09/10	1	1	1	
7	2010/09/10	1	1	1	
8	2010/09/10	1	1	1	
9	2010/09/10	1	1	1	
10	2010/09/10	1	1	1	