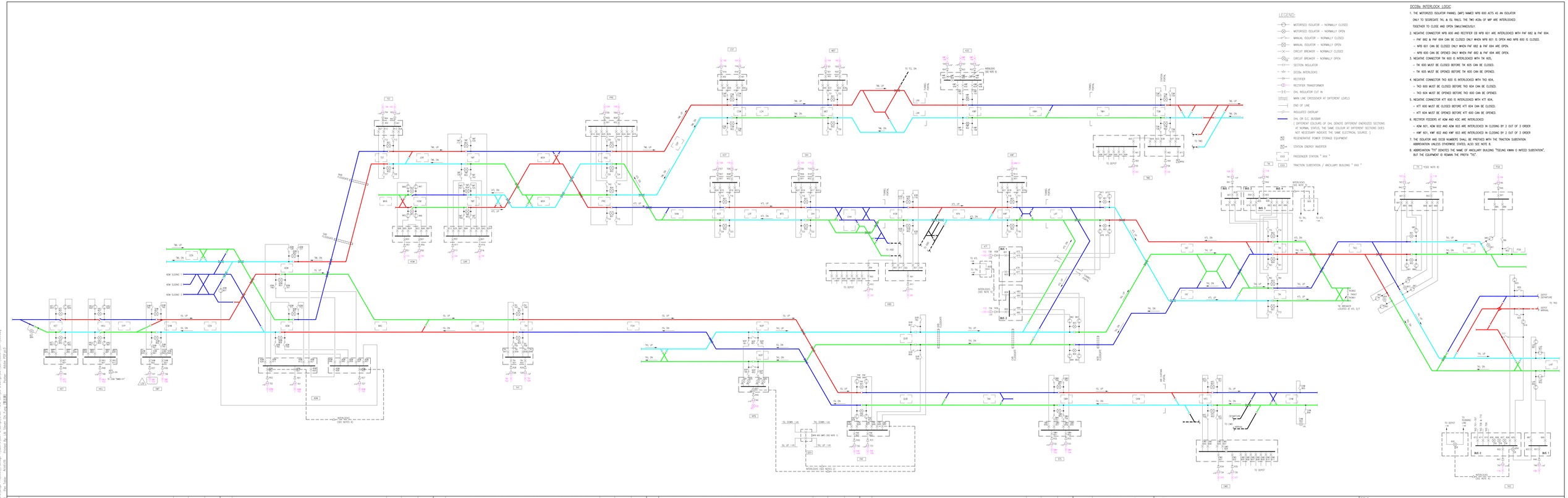
LEGEND:
MOTORISED ISOLATOR - NORMALLY CLOSED
MOTORISED ISOLATOR - NORMALLY OPEN
MANUAL ISOLATOR - NORMALLY CLOSED
MANUAL ISOLATOR - NORMALLY OPEN
CIRCUIT BREAKER - NORMALLY CLOSED
CIRCUIT BREAKER - NORMALLY OPEN
SECTION INSULATOR
DC03s INTERLOCKS
RECTIFIER
RECTIFIER TRANSFORMER
OHL INSULATOR CUT IN
MAIN LINE CROSSOVAR AT DIFFERENT LEVELS
END OF LINE
INSULATED OVERLAP
OHL OR D.C. BUSBAR
(DIFFERENT COLOURS OF OHL DENOTE DIFFERENT ENERGIZED SECTIONS AT NORMAL STATUS, THE SAME COLOUR AT DIFFERENT SECTIONS DOES NOT NECESSARY INDICATE THE SAME ELECTRICAL SOURCE.)
RESIGENRATIVE POWER STORAGE EQUIPMENT
STATION ENERGY INVERTER
PASSENGER STATION " XXX "
TRACTION SUBSTATION / ANCILLARY BUILDING " XXX "
DC03s INTERLOCK LOGIC
1. THE MOTORIZED ISOLATOR PANNEL (MIP) NAMED NPB 600 ACTS AS AN ISOLATOR ONLY TO SEGREGATE TKL & ISL RAILS. THE TWO ACSs OF MIP ARE INTERLOCKED TOGETHER TO CLOSE AND OPEN SIMULTANEOUSLY.
2. NEGATIVE CONNECTOR NPB 600 AND RECTIFIER CB NPB 601 ARE INTERLOCKED WITH PAF 682 & PAF 694.
- PAF 682 & PAF 694 CAN BE CLOSED ONLY WHEN NPB 601 IS OPEN AND NPB 600 IS CLOSED.
- NPB 601 CAN BE CLOSED ONLY WHEN PAF 682 & PAF 694 ARE OPEN.
- NPB 600 CAN BE OPENED ONLY WHEN PAF 682 & PAF 694 ARE OPEN.
3. NEGATIVE CONNECTOR TKI 600 IS INTERLOCKED WITH TKI 605.
- TKI 600 MUST BE CLOSED BEFORE TKI 605 CAN BE CLOSED.
- TKI 605 MUST BE OPENED BEFORE TKI 600 CAN BE OPENED.
4. NEGATIVE CONNECTOR TKO 600 IS INTERLOCKED WITH TKO 604.
- TKO 600 MUST BE CLOSED BEFORE TKO 604 CAN BE CLOSED.
- TKO 604 MUST BE OPENED BEFORE TKO 600 CAN BE OPENED.
5. NEGATIVE CONNECTOR KTT 600 IS INTERLOCKED WITH KTT 604.
- KTT 600 MUST BE CLOSED BEFORE KTT 604 CAN BE CLOSED.
- KTT 604 MUST BE OPENED BEFORE KTT 600 CAN BE OPENED.
6. RECTIFIER FEEDERS AT ADM AND KOC ARE INTERLOCKED:
- ADM 601, KWF 602 AND ADM 603 ARE INTERLOCKED IN CLOSING BY 2 OUT OF 3 ORDER
- KWF 601, KWF 602 AND KWF 603 ARE INTERLOCKED IN CLOSING BY 2 OUT OF 3 ORDER
7. THE ISOLATOR AND DC03 NUMBERS SHALL BE PREFIXED WITH THE TRACTION SUBSTATION ABBREVIATION UNLESS OTHERWISE STATED, ALSO SEE NOTE 8.
8. ABBREVIATION "TIS" DENOTES THE NAME OF ANCILLARY BUILDING "TSEUNG KWAN O INFEED SUBSTATION", BUT THE EQUIPMENT ID REMAIN THE PREFIX "TIS".
ADM SLOING 1
ADM SLOING 2
ADM SLOING 3
TO TSW TANG-OU
INTERLOCKS (SEE NOTES 6)
TO DEPOT
TO TKO
TO KOC
TO KTT
TO KWF
TO ADM
TO TKI
TO KTL
TO TKL
TO ISL
TO CHI
TO TWL
TO PUK
TO TIS
TO PUNG LAU
TO TKO
DEPOT DEPARTURE
DEPOT ARRIVAL
TO KWF
TO ADM
TO KOC
TO KTT
TO TKI
TO TKO
TO TKL
TO ISL
TO CHI
TO TWL
TO PUK
TO TIS
TO PUNG LAU
TO DEPOT
TO TKO
TO KOC
TO KTT
TO KWF
TO ADM