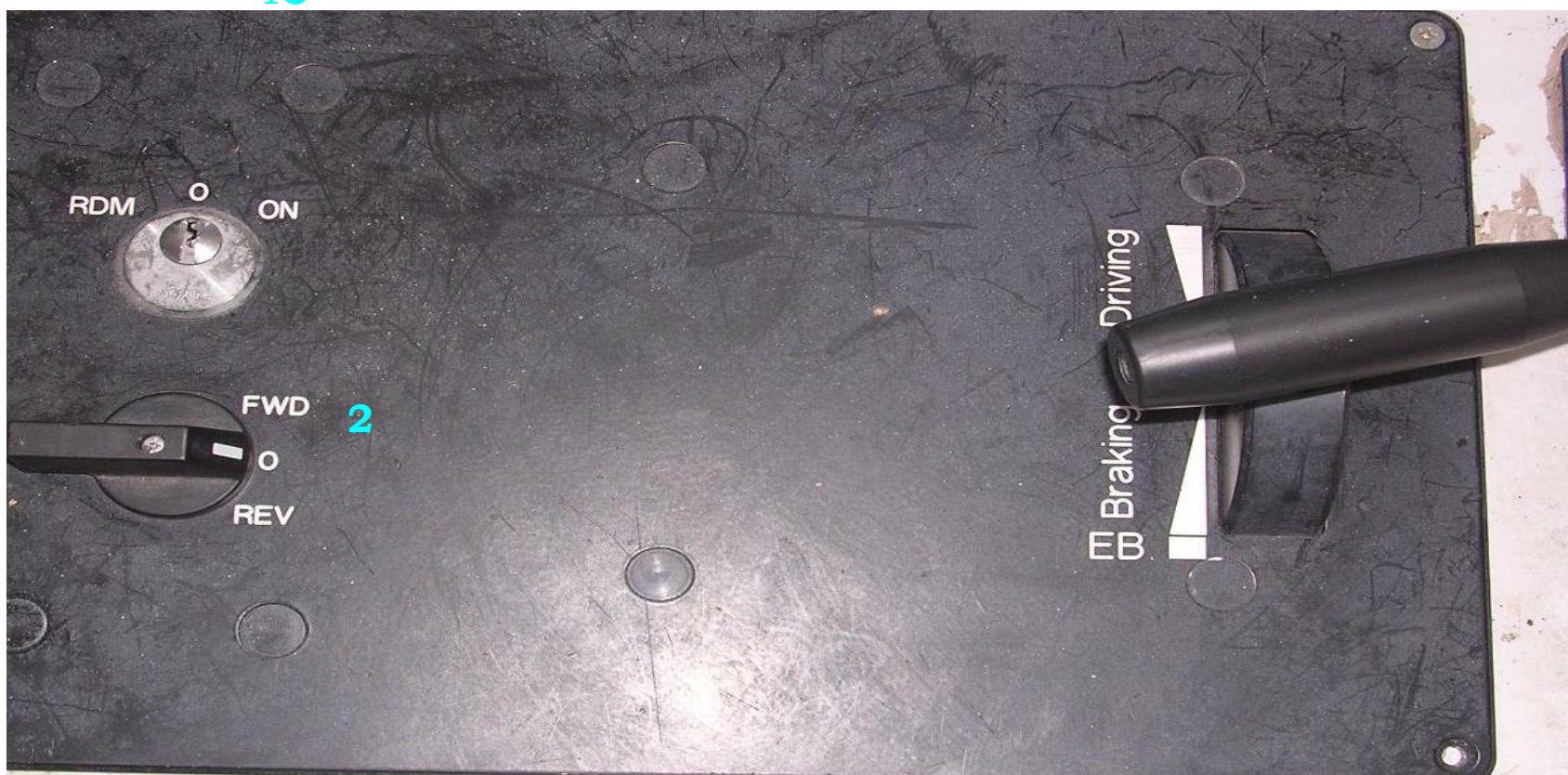


SIEMENS CONTROL CIRCUIT

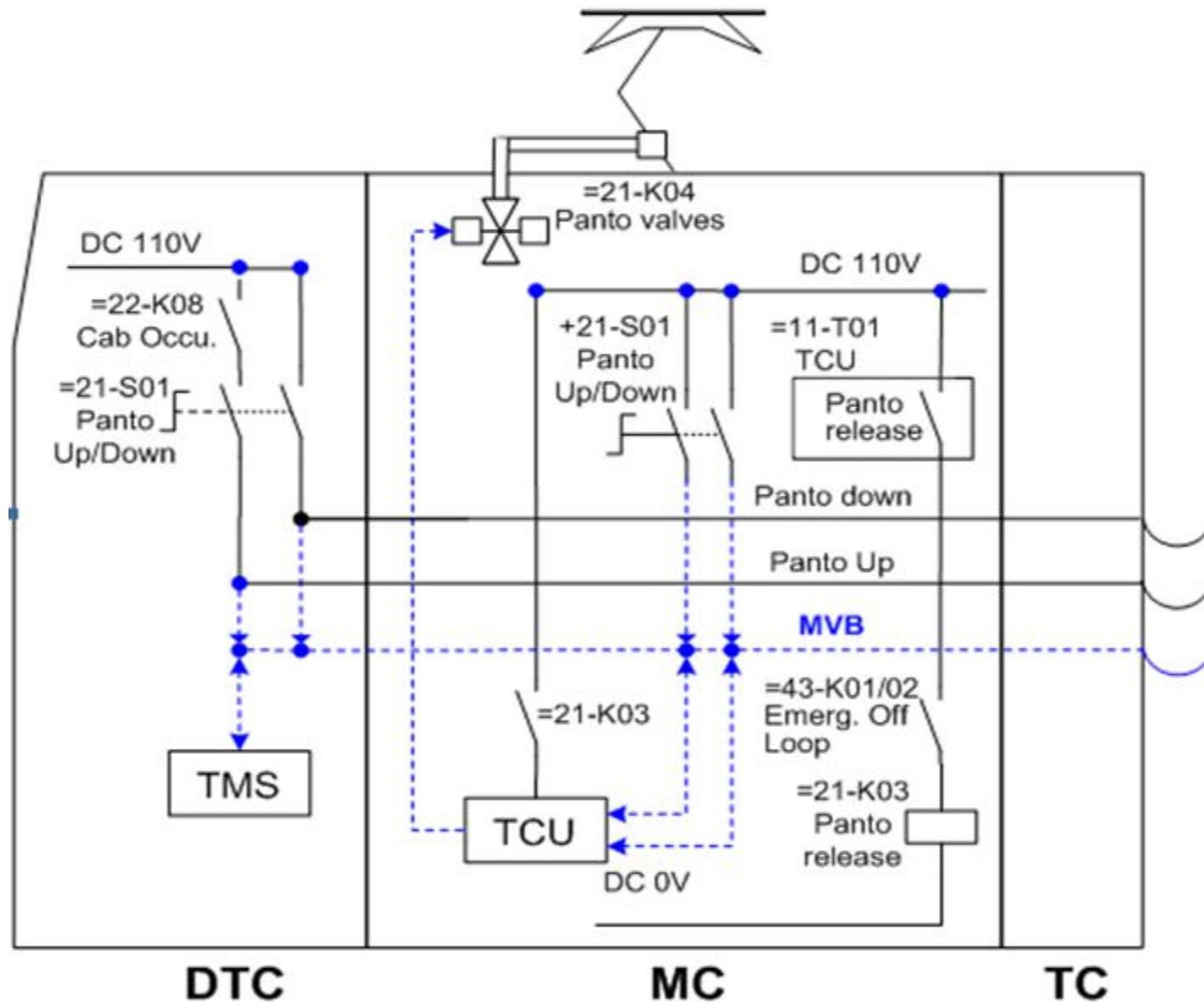
N.D.Turkar/PL/PSTC/IRIEEN/NK

Master controller switch

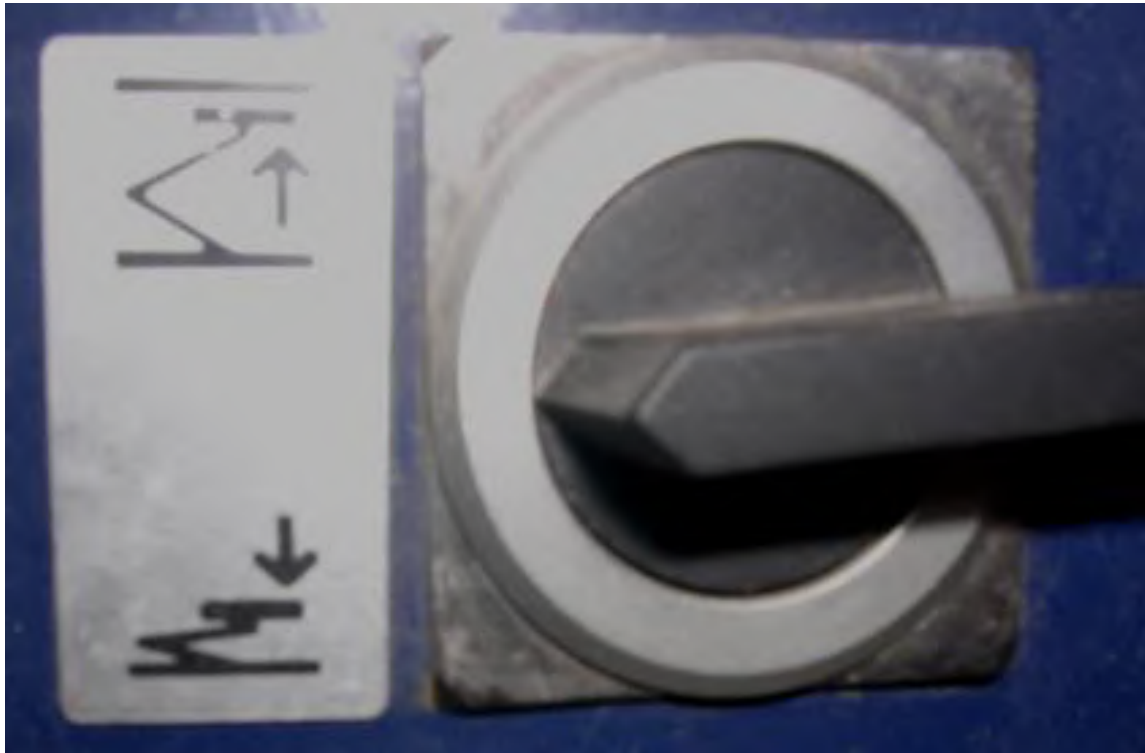
13



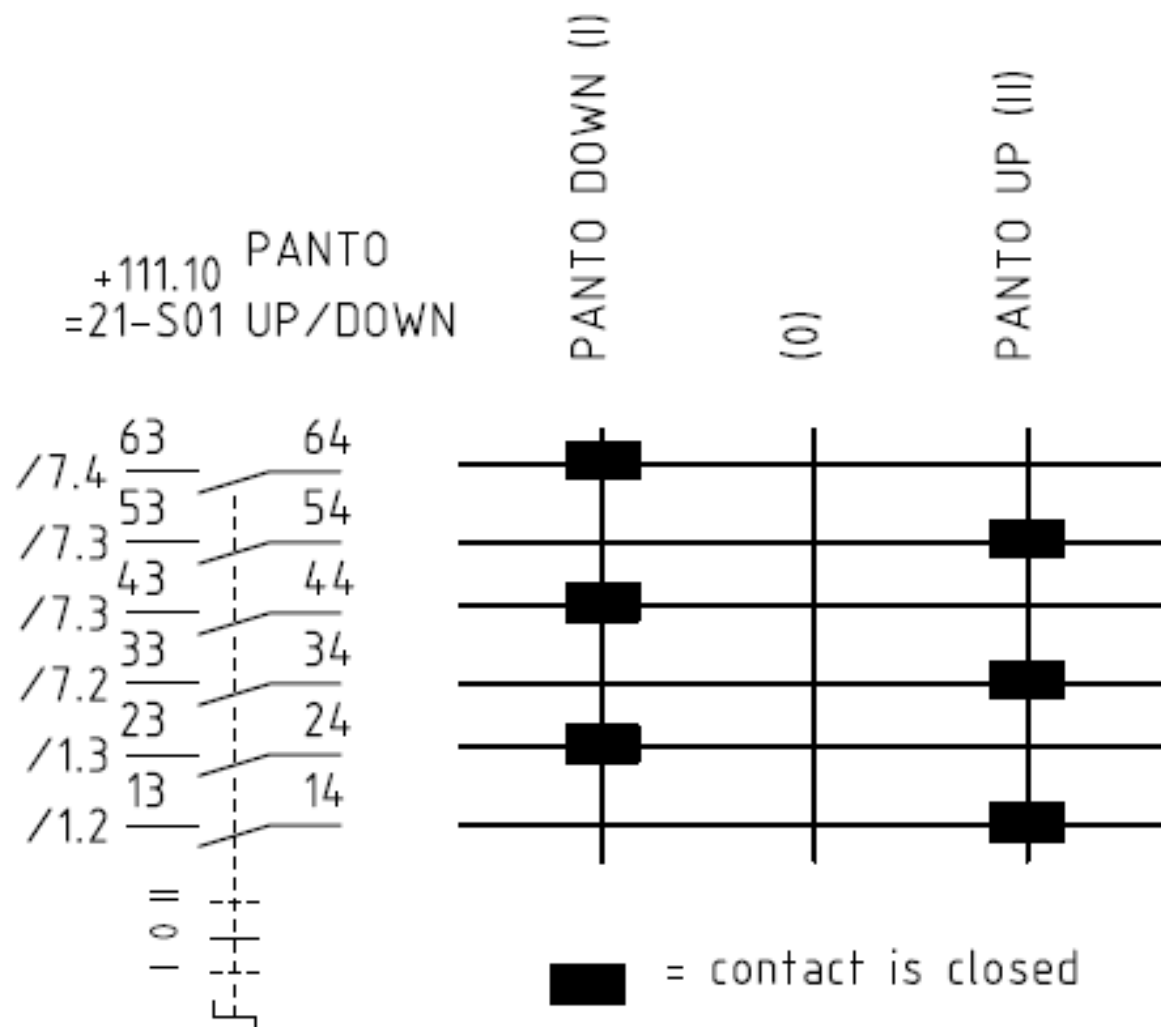
Pantograph Control Circuit

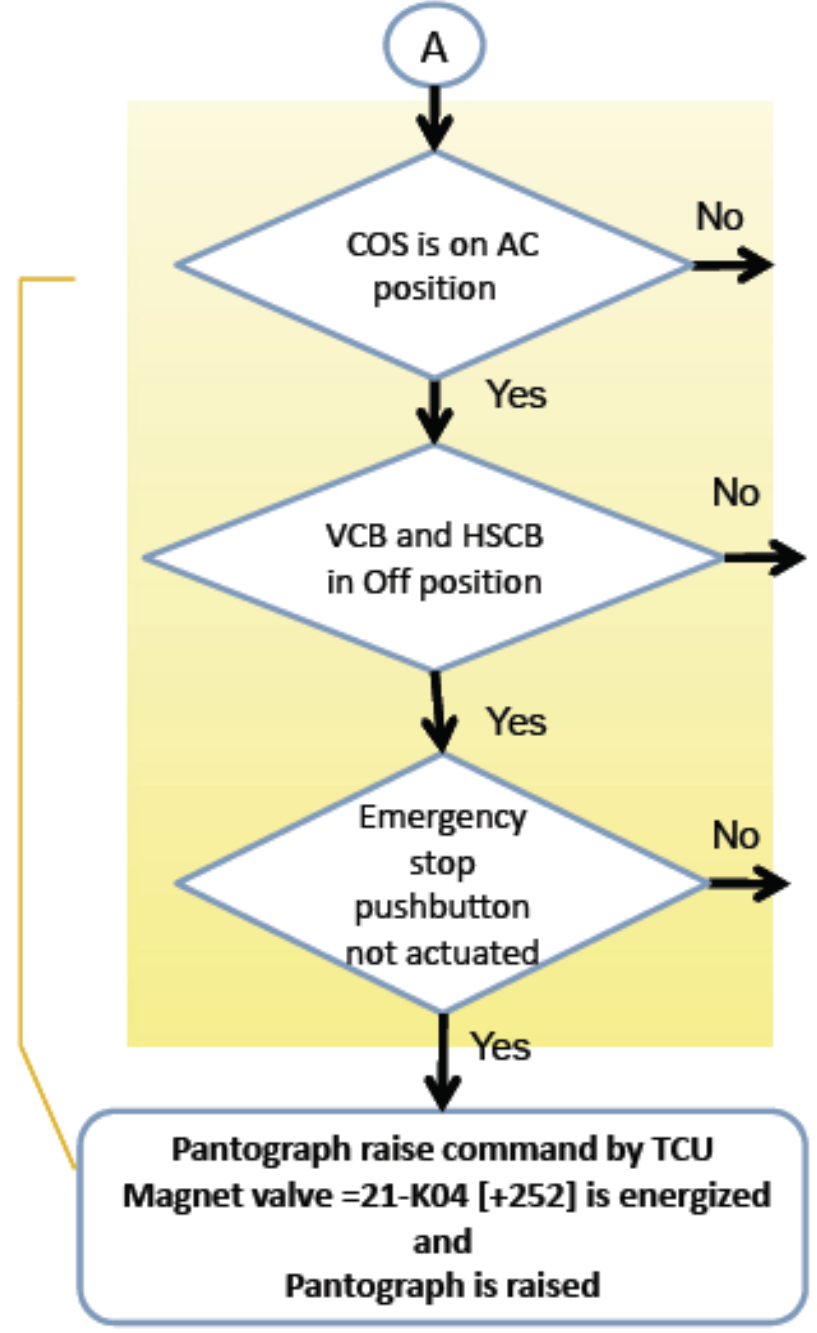
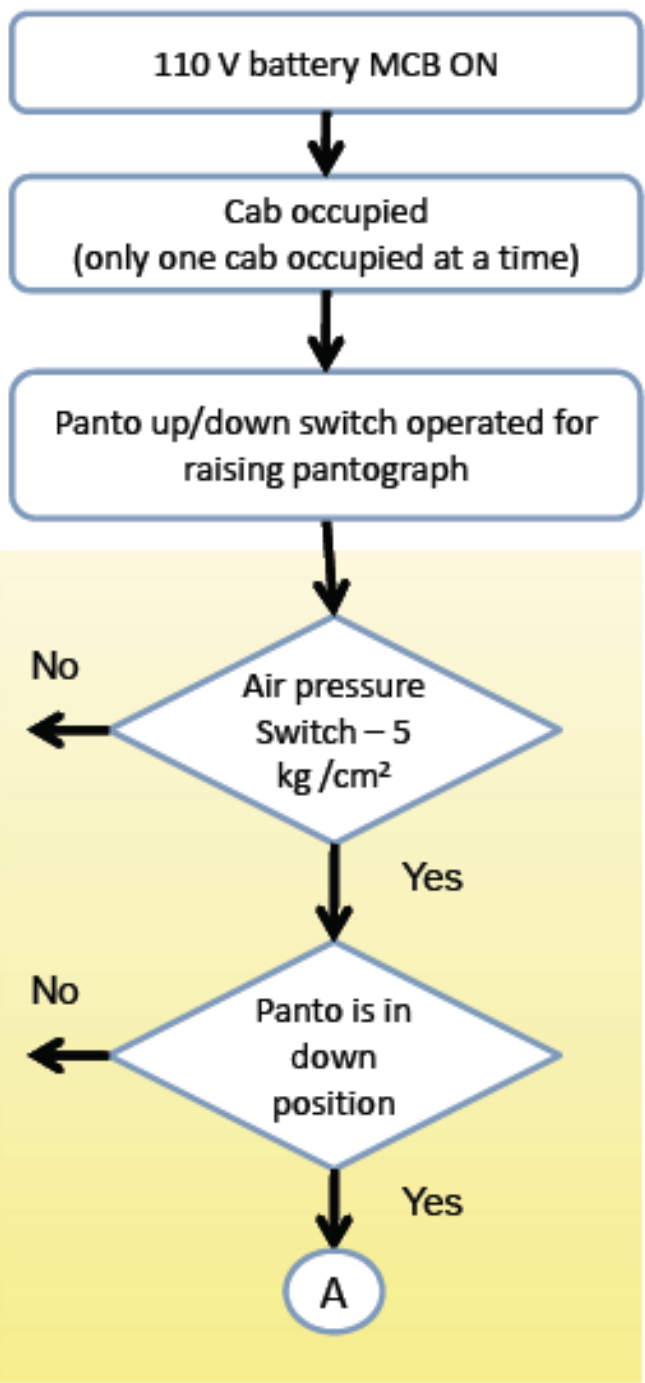


Panto up/down switch

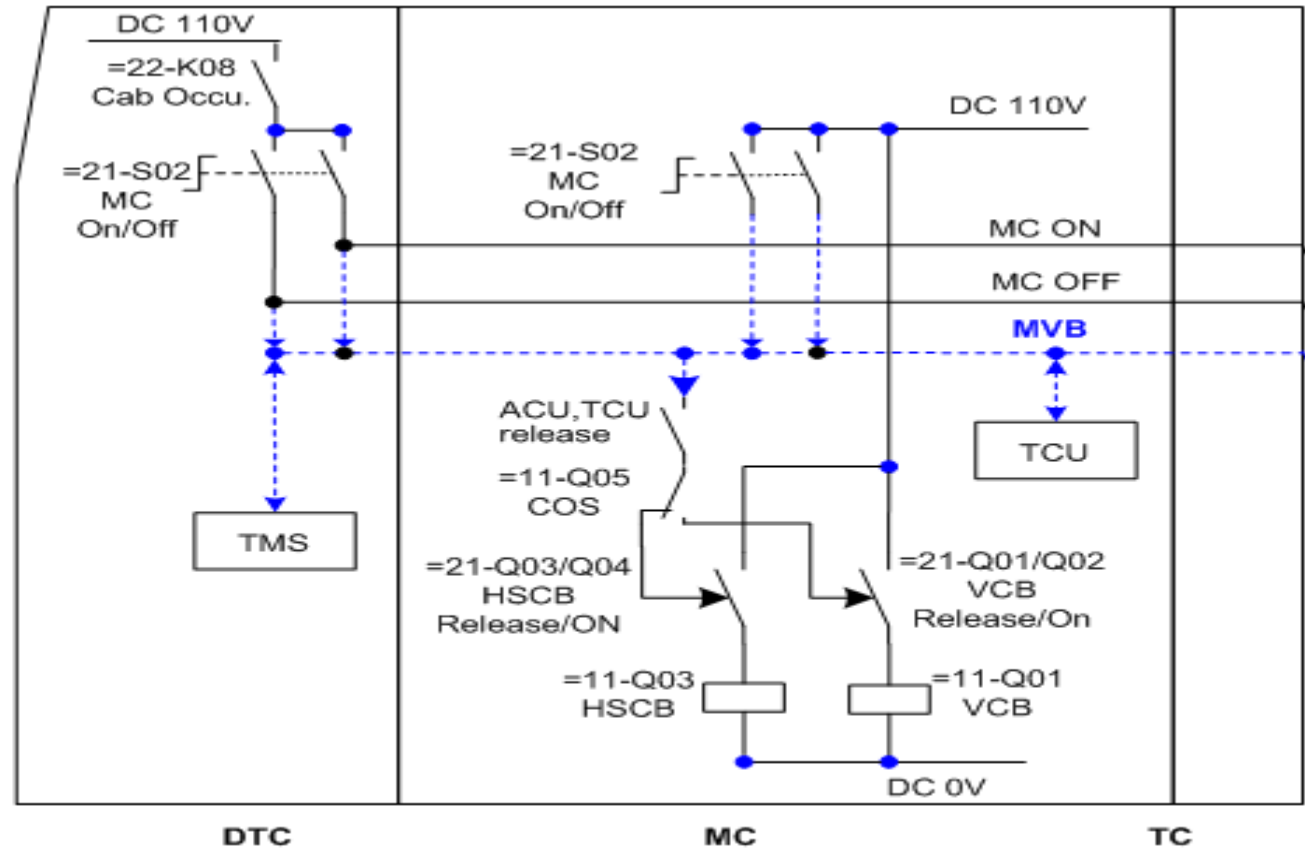


Panto switch contacts





Main Circuit Breaker Control Circuit



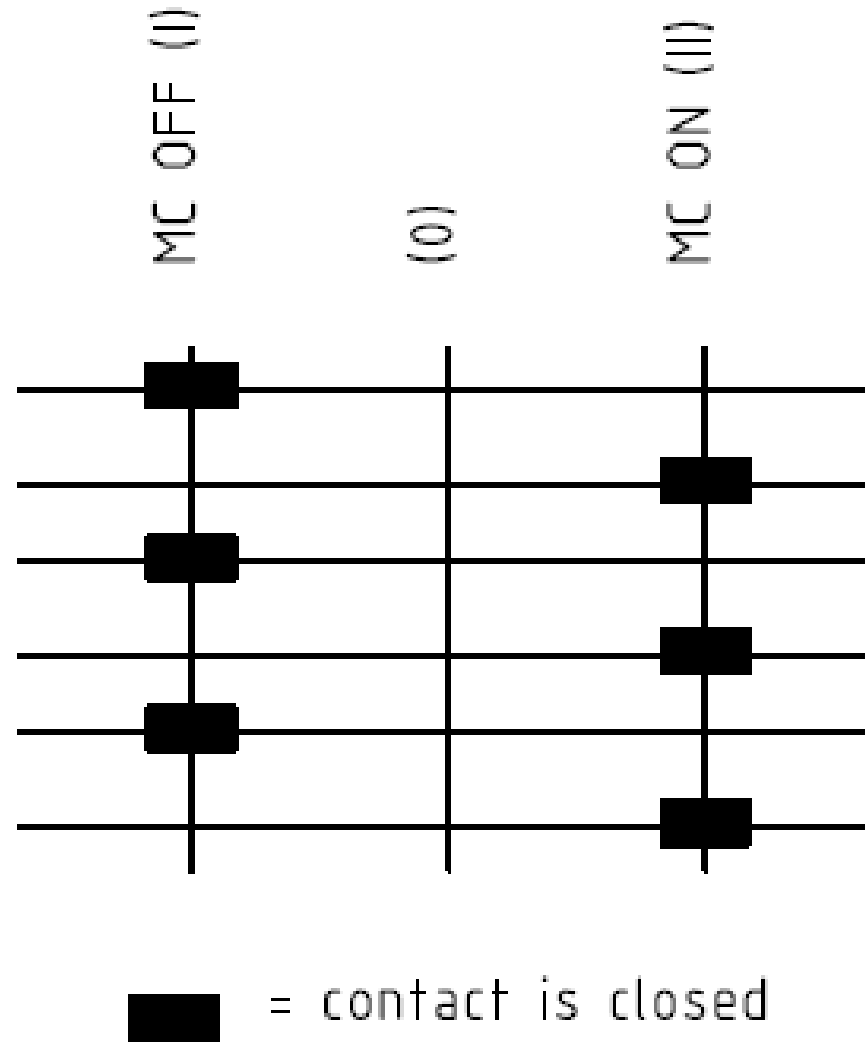
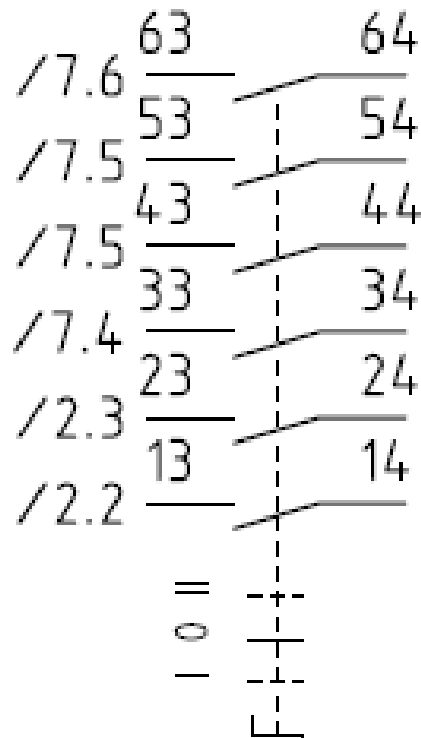
Control of main circuit breakers

MC on/of switch

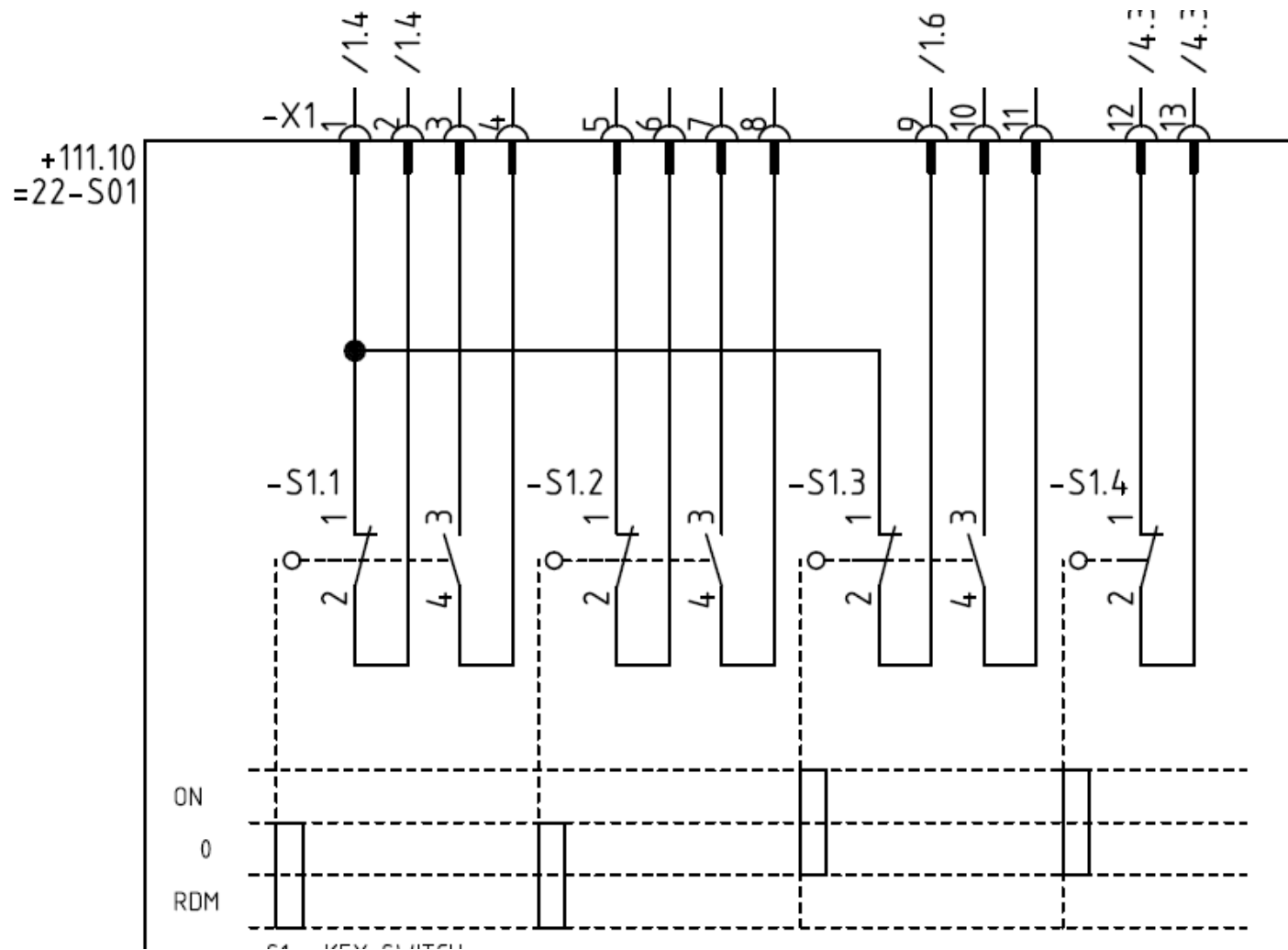


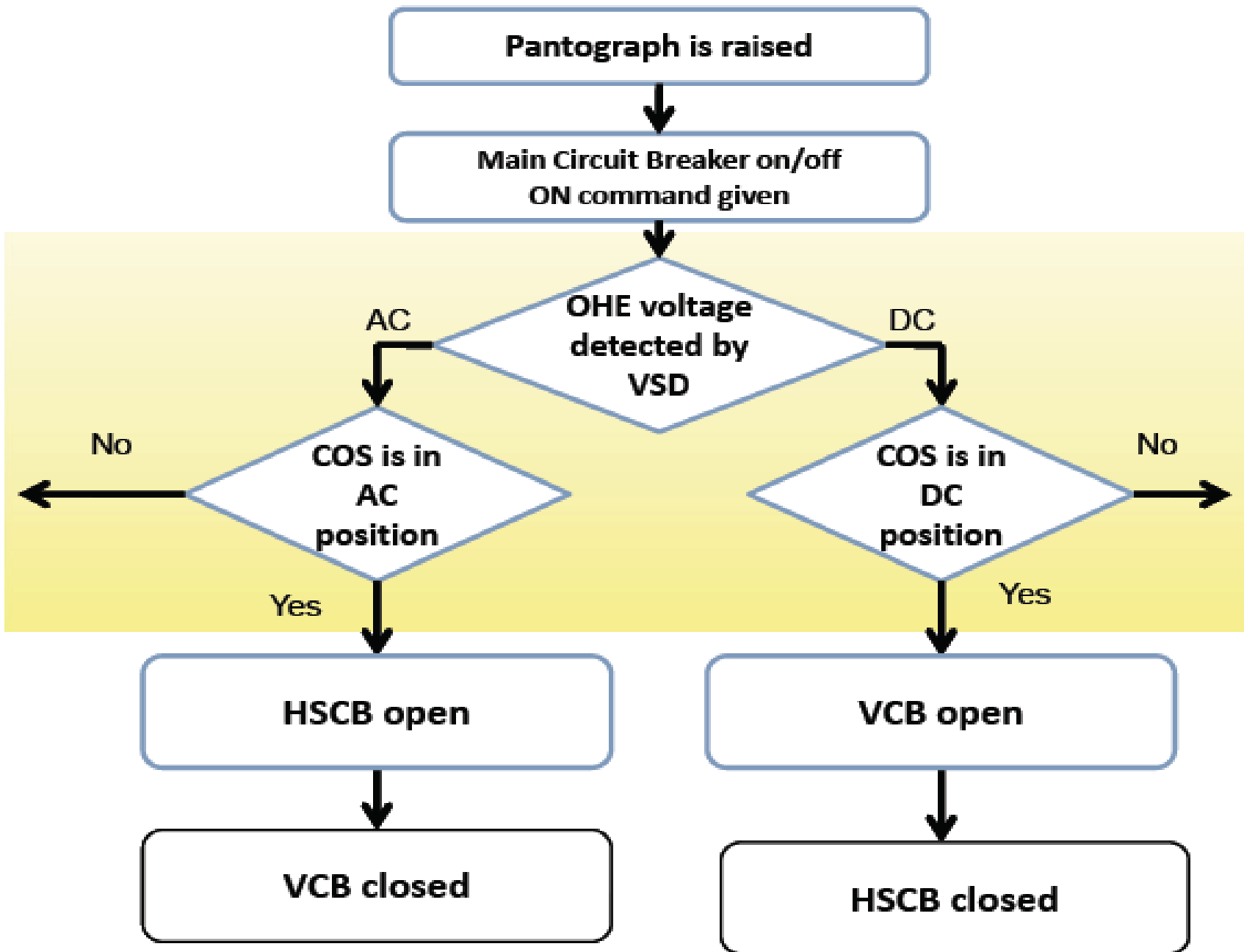
MC switch contacts

+111.10 MC
=21-S02 ON/OFF

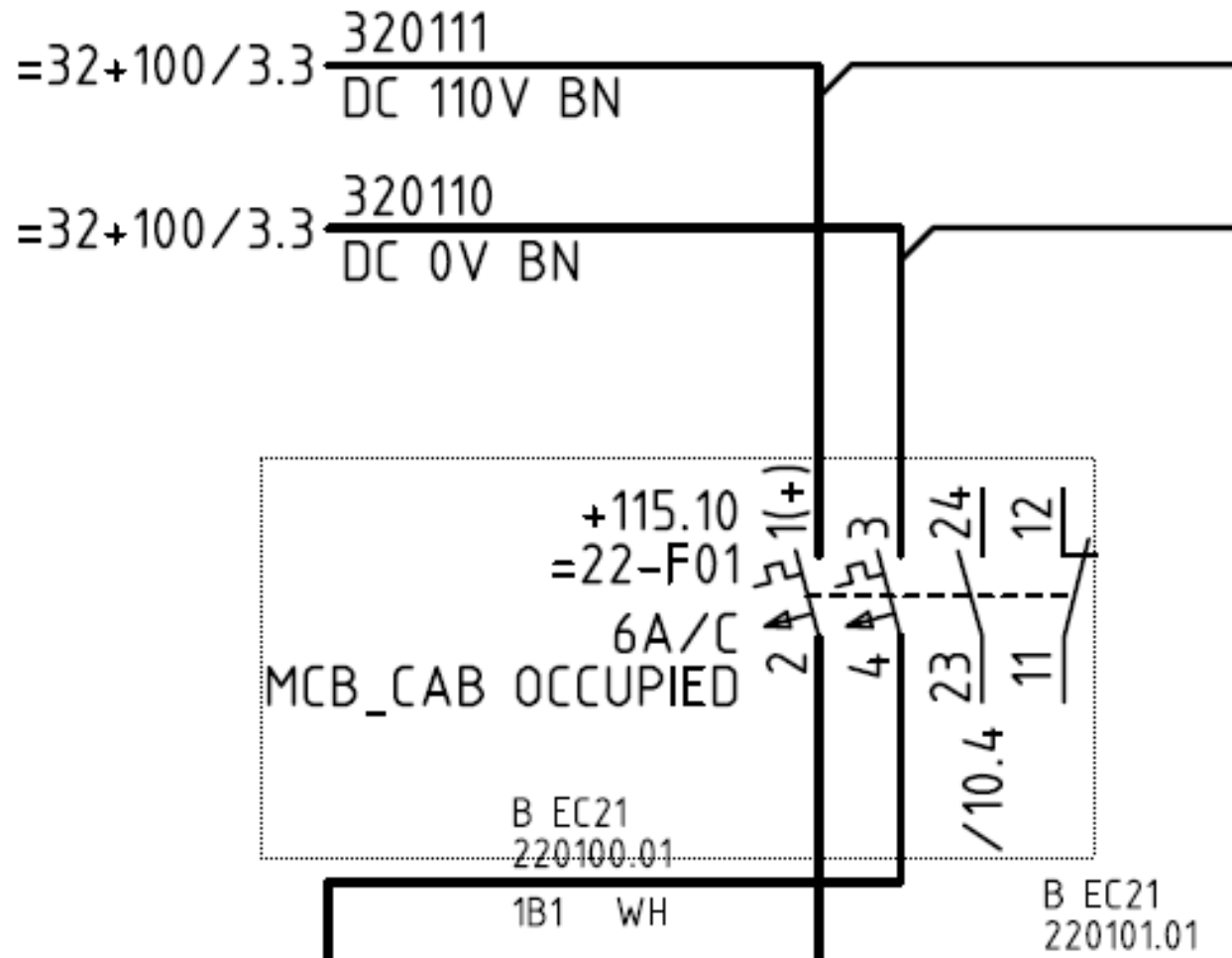


Master controller key switch





MCB Cab occupied



THANKS