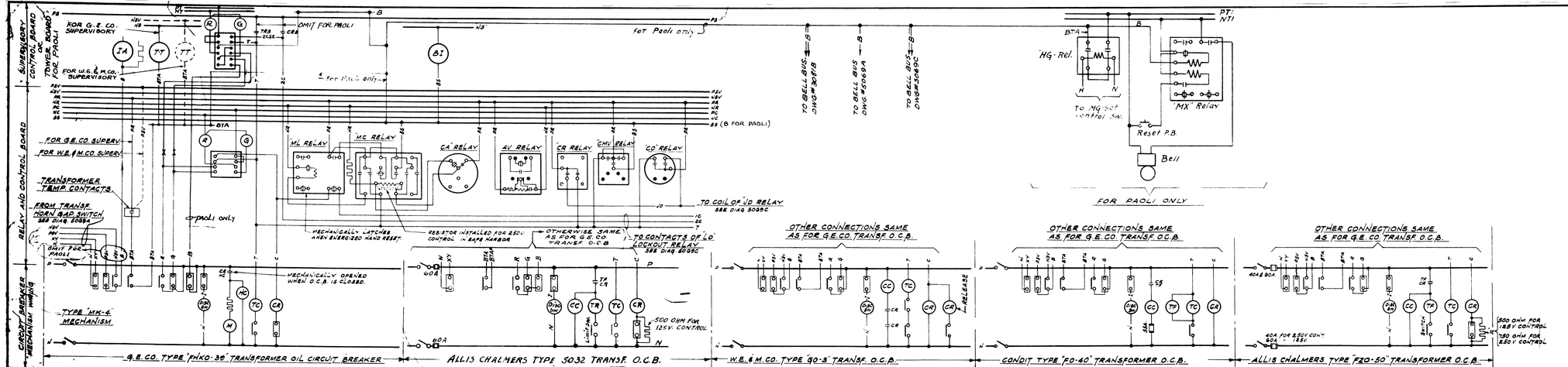

-KEY-

- CONTACT OPEN WHEN DEVICE IS DE-ENERGISED.
- CONTACT CLOSED WHEN DEVICE IS DE-ENERGIZED.
- CONTACTOR COIL, RELAY COIL, MOTOR OR MAGNETIC RELEASE.
- AUXILIARY SWITCH OPEN WHEN O.C.B. IS OPEN
- AUXILIARY SWITCH CLOSED WHEN O.C.B. IS OPEN
- RESISTOR

CC CLOSING COIL
CR - CLOSING RELAY
TC TRIPPING COIL
TR - TRIPPING RELAY
M MOTOR COMPLETE
TF TRIP FREE RELAY
HC HOLDING COIL
PS, NS - CONTROL BUS
TRS - TRIPPING RELAY
CRS - CLOSING RELAY
IA, TT, BI - INDICATION RELAY
} ON SUPERV. CONT. BD.
PSV, NSV - SUPERVISORY CONTROL BUS
PR, NR - RELAY CONTROL BUS.
PC, NC - STATION CONTROL BUS.
BS - BELL BUS.

DATE	ISSUE	APPROVAL	REMARKS
1-9-45	2		REVISED AS BUILT FOR PAOLI
10-8-36	1		ORIGINAL

THE PENNSYLVANIA RAILROAD
EASTERN ELECTRIFICATION
TYPICAL SUBSTATION
D.C. SCHEMATIC DIAGRAM
SHEET "B"
PHILADELPHIA, PENNA.
No. 5069 B

ASST. TO ASST. CHIEF OF MOTIVE POWER — ELECTRICAL ENGINEER