

MASTER LEGEND FOR OPERATIONAL SKETCHES

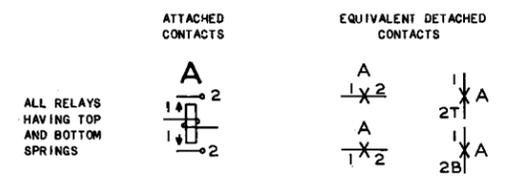
THE SYMBOLS AND CONVENTIONS USED ON OPERATIONAL SKETCHES (OS-) ARE THE SAME AS THOSE USED ON THE STANDARD CIRCUIT SCHEMATIC DRAWINGS (SD-) WITH THE FOLLOWING EXCEPTIONS:

1. ATTACHED CONTACTS MAY BE POSITIONED WITHOUT REGARD TO THEIR TOP OR BOTTOM LOCATIONS AS:

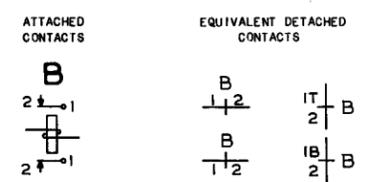


2. DETACHED CONTACT SYMBOLS ARE USED WHENEVER THEY AID IN SIMPLIFYING THE SKETCHES. THEY ARE SHOWN THUS:

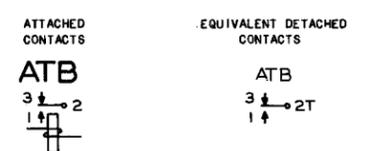
(A) MAKE CONTACTS:



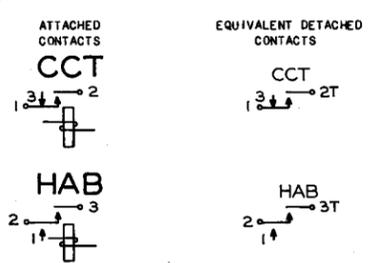
(B) BREAK CONTACTS:



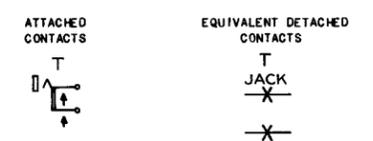
(C) TRANSFER CONTACTS:



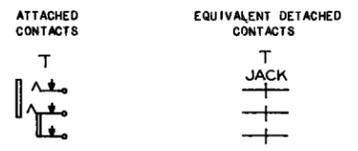
(D) OTHER CONTACTS:



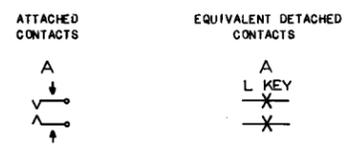
(E) JACK WITH MAKE CONTACTS:



(F) JACK WITH BREAK CONTACTS:



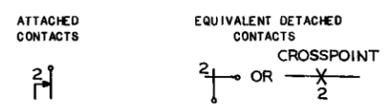
(G) LOCKING KEY WITH MAKE CONTACTS:



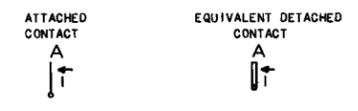
(H) NON-LOCKING KEY WITH BREAK CONTACT:



(J) CROSSBAR SELECTOR-TYPE SWITCH:



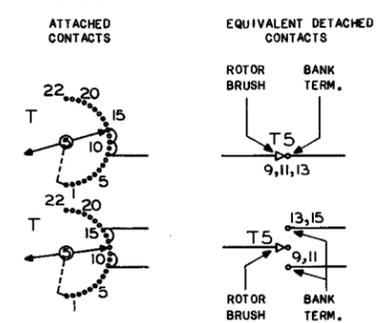
(K) READER INTERRUPTER CONTACT:



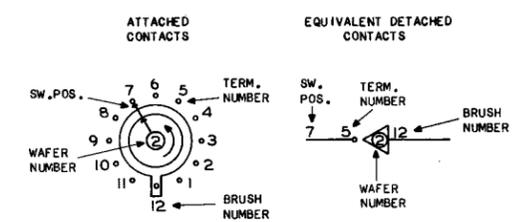
(L) TIMER CONTACT:



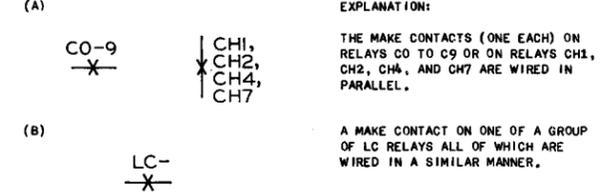
(M) 206 AND SIMILAR TYPE SELECTORS:



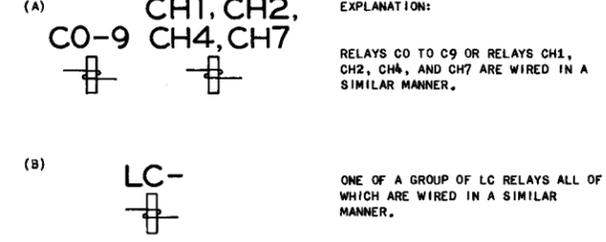
(N) WAFER SWITCH:



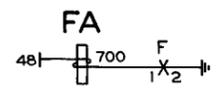
3. CONTACT DESIGNATION:



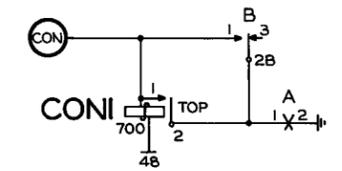
4. WINDING DESIGNATION:



5. BATTERY SYMBOL WITH THE NOMINAL VOLTAGE IS SHOWN THUS:

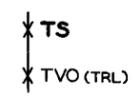


6. TROUBLE RECORD PUNCHES (OR LAMPS) ARE SHOWN BY A CIRCLE ENCLOSING THE PUNCH (OR LAMP) DESIGNATION. FOR EXAMPLE:



- IN GENERAL THE OHMS SYMBOL ( $\Omega$ ) USED ON CIRCUIT SCHEMATIC DRAWINGS IS OMITTED.
- IN GENERAL, STRAPPING OR MULTIPLE CONVENTIONS ARE OMITTED.
- CONTACT PROTECTION IS GENERALLY OMITTED.
- APPARATUS CODES FOR VACUUM TUBES ONLY ARE SHOWN.
- INDICATION OF INNER ENDS AND TERMINAL NUMBERING OF WINDINGS ARE OMITTED. HOWEVER ON POLAR RELAYS, WINDING TERMINAL NUMBERS AND POLARIZATION ARE SHOWN.
- POLAR RELAYS WITH BIASING SPRINGS ARE INDICATED BY BS FOLLOWING THE RELAY DESIGNATION. POLAR RELAYS WITHOUT BIASING SPRINGS ARE INDICATED BY NBS FOLLOWING THE RELAY DESIGNATION.
- SEQUENCE CHARTS ON OPERATIONAL SKETCHES:
  - SEQUENCE CHARTS ARE GENERALLY PROVIDED ON EACH OS. THESE DIFFER FROM THE SC'S MADE FOR A COMPLETE JOB OR CALL IN THE FOLLOWING MANNER:
    - ONLY A SUFFICIENT NUMBER OF RELAY MOVEMENTS ARE SHOWN WHICH PERMIT PROPER UNDERSTANDING OF THE OPERATING PATHS APPEARING ON THE OS.
    - THE DESIGNATIONS OF ALL APPARATUS FOR WHICH THE OPERATING PATHS ARE SHOWN ON THE OS ARE INDICATED LARGER AND HEAVIER THAN DESIGNATIONS IDENTIFYING OTHER APPARATUS.
    - PUNCH DESIGNATIONS ARE OMITTED.
    - COORDINATES ARE OMITTED.

(B) EXAMPLE:



EXPLANATION: THE CIRCUIT MOST FREQUENTLY USED IN A PARTICULAR SEQUENCE CHART IS IDENTIFIED BY AN ASTERISK OPPOSITE ITS SD NUMBER IN THE LIST OF DRAWINGS ABOVE THE TITLE BLOCK. NO CIRCUIT ABBREVIATIONS ARE SHOWN ON THE SEQUENCE CHART NEXT TO RELAYS ASSOCIATED WITH THIS CIRCUIT. THE CIRCUITS IN WHICH ALL OTHER RELAYS APPEAR ARE SHOWN IN BRACKETS ADJACENT TO THE RELAY DESIGNATIONS ON THE SEQUENCE CHART (SEE EXAMPLE).

TRANSLATOR CKT. SD-25802-01, ISS. 3  
\*TRANSVERTER CKT. SD-25754-01, ISS. 8

14. OPTIONS ARE DESCRIBED BY A NOTE AS SHOWN BELOW:

NOTE:

OS OPTION	FEATURE OR OPTION	SD OPTION	SD
A	OPERATION WITH INTERTOLL AND TWO-WAY TRUNKS	N	25579-01
B	NO OPERATION WITH INTERTOLL AND TWO-WAY TRUNKS	LOOPED LEADS	
E	WHEN AMA IS PROVIDED	FIG. 4	25579-01
F		ZY AND FIG. 12	

THIS NOTE IS INTERPRETED IN THE FOLLOWING MANNER:

- THE OS OPTION COLUMN LISTS THE LETTERS ARBITRARILY ASSIGNED TO FEATURES OR OPTIONS SHOWN ON THE PARTICULAR OS.
- THE FEATURE OR OPTION COLUMN BRIEFLY DESCRIBES THE FEATURES OR OPTIONS SPECIFIED ON THE OS.
- THE SD OPTION COLUMN LISTS THE SD OPTIONS CORRESPONDING TO THE OS OPTIONS WHEN APPLICABLE. THESE OPTIONS ARE ON THE PARTICULAR ISSUE OF THE SD LISTED OVER THE TITLE BOX ON THE OS. IN SOME CASES, MORE THAN ONE OPTION MAY BE SHOWN FOR A PARTICULAR FEATURE (SEE OS OPTIONS E AND F). THESE USUALLY RESULT FROM IMPROVEMENTS INCORPORATED ON B OR D ISSUES OF THE ASSOCIATED SD. THE OPTIONS LISTED MAY NOT APPEAR ON EARLIER ISSUES OF THE SD. IF THEY DO NOT APPEAR ON THE SD ISSUE AVAILABLE IN THE OFFICE, IT WILL BE NECESSARY TO DETERMINE BY COMPARISON OF THE CIRCUIT ARRANGEMENTS ON THE OS AND SD AVAILABLE WHICH OPTIONS ARE INSTALLED. IF THEY DO APPEAR ON THE SD AVAILABLE, THE OPTIONS INSTALLED CAN BE DETERMINED FROM THE OFFICE WIRING LISTS OR FROM THE RECORD OF FIGURES, WIRING AND APPARATUS CHANGES ON THE SD.
- THE SD COLUMN LISTS THE SD NUMBER ON WHICH THE OPTIONS DESCRIBED IN (C) APPEAR.

ISSUE	1	2	3	4	5	6	7	8	9	10
DATE	11-24-50									