BLOCK RELAY FRAME AND LINE DISTRIBUTING FRAME CROSS CONNECTIONS NO. 1 CROSSBAR OFFICES

1. GENERAL

1.001 This addendum supplements Section 216-719-301, Issue 3.

1.002 This addendum is issued to:

(a) Include the sleeve connection when one-way outgoing PBX trunks are served out of an office equipped with ANI.

(b) Include cross connections to allow a customer to control the number of PBX trunks available to incoming traffic by the operation of a key.

(c) Include cross connections for the No. 1 message timing circuit.

2. DESCRIPTION

The following change applies to Part 2 of the section:

(a) 2.17.1 added

2.17.1 ***NFA, HFA and RFA Punchings:*** The NFA, HFA and RFA punchings are located on the right side of the upper and lower NF terminal strips. They are used when it is desired to allow a customer to control the number of incoming PBX trunks by operating a key at the customer's premises.

3. CROSS CONNECTIONS

The following changes apply to Part 3 of the section:

(a) 3.10 revised

(b) 3.11 revised

(c) 3.25 added

(d) Fig. 2 — revised

(e) Figs. 55 through 57 — added

3.10 ***Cross Connection for PBX Lines:*** The first and intermediate NF punchings are connected to the HF punchings determined by the line choice, and the last NF punching is cross-connected to the RF punching determined by the line choice. The NC punchings are cross-connected to the HG punching as described for individual lines in 3.05. Assume that the PBX has telephone numbers 2242, 3, 4, and 5, and that these numbers are assigned to line choice 6 in switch 9 of frame B, line choice 7 in switch 7 of frame A, line choice 8 in switch 5 of frame C, line choice 9 in switch 3 of frame D, respectively. The NF punchings associated with 2242, 3, and 4 (intermediate NF punchings) would be cross-connected by leads run vertically to the HF punchings determined by the line choice, namely to HF 6, 7, and 8, respectively. The last NF punching namely 2245 would be run vertically to the RF punching 9. To allow the customer to control the number of incoming lines to a PBX, the NF punching of the intermediate line which is to become the last trunk in the hunt group is connected to an NFA- punching. The HFA- punching is connected to the HF terminal associated with the line to be last. The RFA- punching is cross-connected to the RF punching determined by line choice. To inform the marker the location of the PBX lines in various line choices mentioned above, leads would be run vertically from the NC punchings 2242, 3, 4, and 5 located in the NC terminal strip to the punchings in the HG terminal strip associated with the line choice namely HGB9, HGA7, HGC5, and HGD3, respectively. At the line distributing frame the S and M terminals associated with the particular telephone numbers (vertical block) would be cross-connected to the required S and M punchings in the horizontal line distributing frame, in the same manner as described for individual lines in 3.05.

3.11 ***One-Way Outgoing PBX Trunks:***

(a) When office is equipped for ANI:

(1) If assigned number is a regular number, place sleeve and message register cross connections.

(2) If assigned number is an extra number, place sleeve, message register and block relay frame cross connections.

(3) If assigned number is neither a regular nor an extra number, connect sleeve of the CSV to the sleeve of the miscellaneous number network and the M lead of the CSV to the message register block.

(b) When office is not equipped for ANI:

(1) If assigned number is a regular number, place message register cross connection.

(2) If assigned number is an extra number, place sleeve, message register and block relay frame cross connections.

(3) If assigned number is neither a regular nor an extra number, connect M lead of the CSV to the message register block.

3.25 ***Message Timing:*** A number may be connected to the message timing circuit by connecting the S and M1 punchings to the S and M1 punchings of the message timing circuit as shown in Figs. 55 through 57.

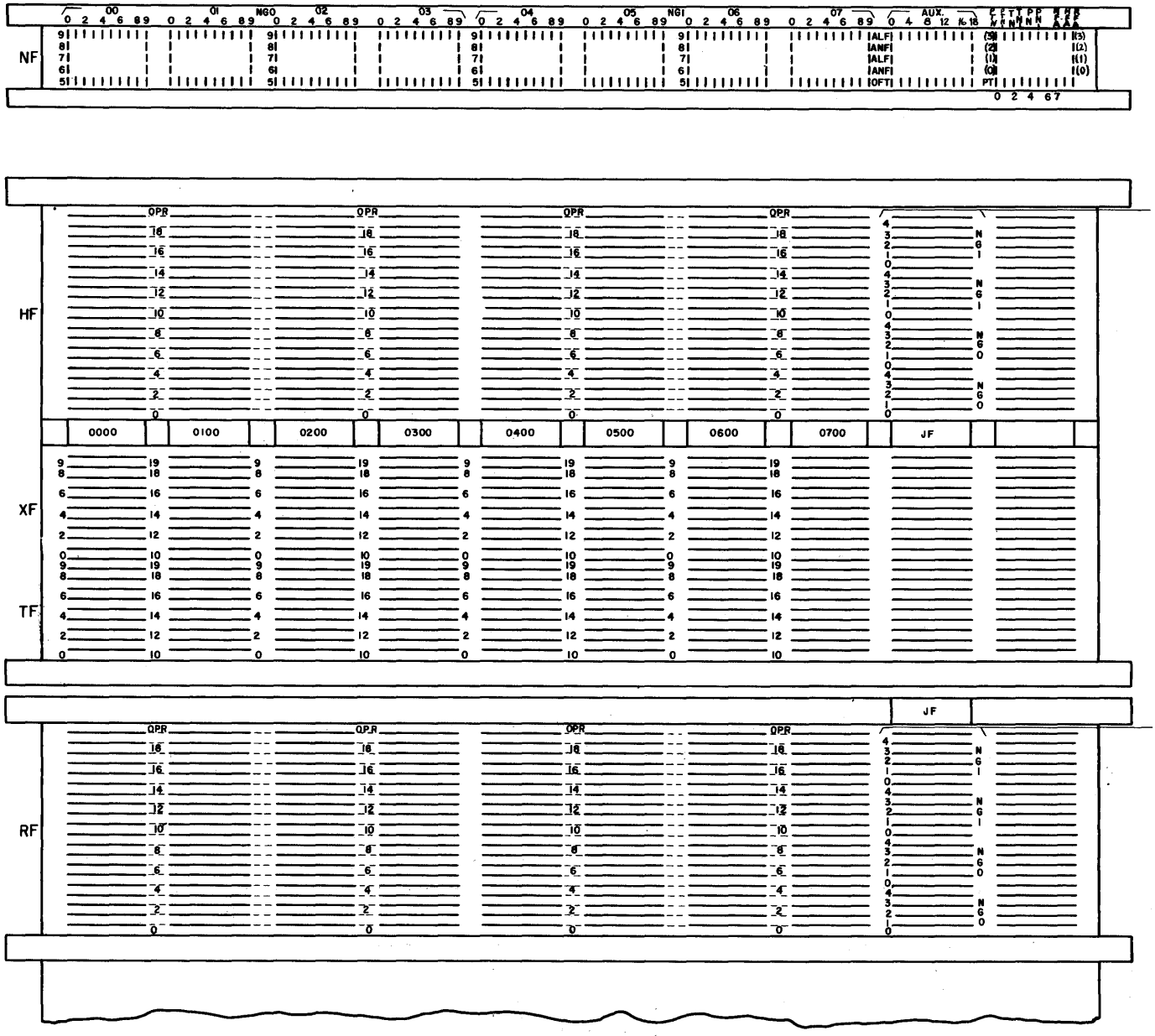

Fig. 2 – Sample Cross-Connection Fields of Block Relay Frame

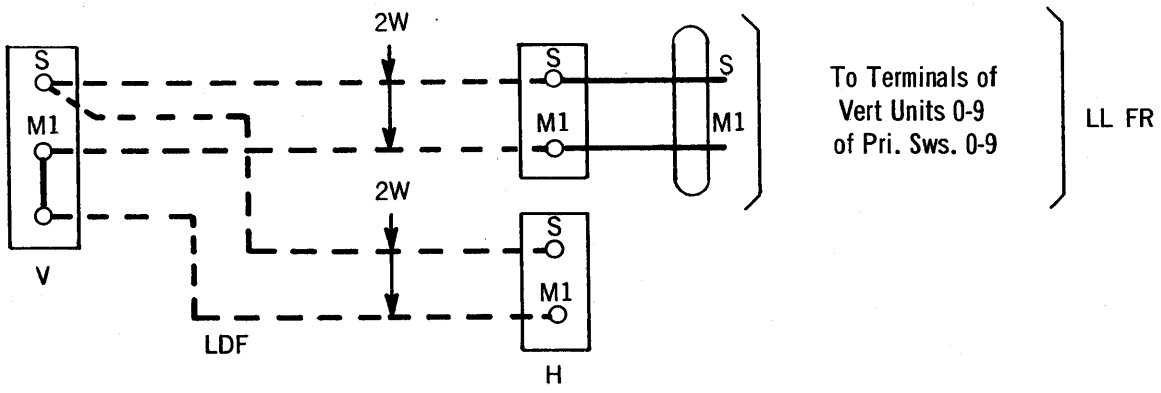

Fig. 55 – For Message Timing Individual Line for Use in Offices Having 3 Point Term. Strips on VLDF

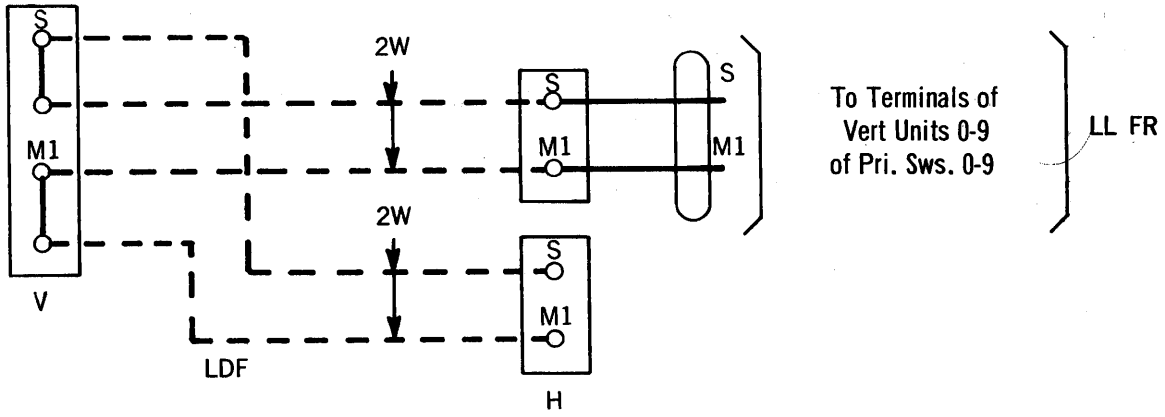

Fig. 56 – For Message Timing Individual Lines for Use in Offices Having 4 Point Term. Strips on VLDF

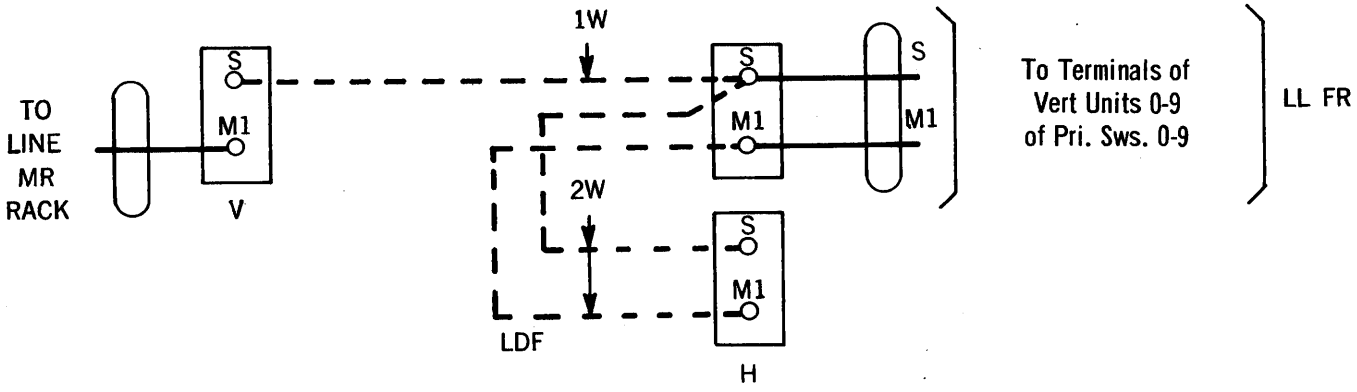

Fig. 57 – For Message Timing Individual Lines for Use in Offices Having Line Message Registers Cabled to Subscribers Number Terminal Strips