TERMINALS
MARKING "A" TYPE FRAMES

1. GENERAL

1.01 This section outlines the practices associated with marking the outside cable terminations on "A" type main distributing frames.

1.02 The markings shall be applied by means of individual rubber stamps.

2. MARKING OUTFIT

2.01 The following tools and materials are required in marking frames.

2.02 **Tools:**

Brush, Card, Show, Sable, Red (No. 2 or No. 4)
For applying paint.

Knife, Putty, R-1060* (Blade approximately 1 inch wide)
For spreading ink on inking plate.

Plate, Inking, R-1373*
For holding ink while applying it to rubber stamps.

Stamps

R-1378* 3/16 in. Rubber Stamp Numerals 0 to 9
R-1721* 3/8 in. Rubber Stamp Numerals 0 to 9
R-1802* 3/8 in. Rubber Stamp Letters A to Z
R-1382* 3/4 in. Rubber Stamp Numerals 0 to 9
R-80991* 3/4 in. Rubber Stamp Letters A to Z

Individually mounted rubber stamps for applying numeral and letter designations.

* These numbers indicate Western Electric Company code designations.

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2.03   Materials:

Dichlorhydrin, Alpha (Available in **2 oz. and 1-pound** bottles)

> For removing cable numbers.

Ink, Black, RM-644603* (Available in **1 and 2 oz.** tubes)

Ink, Vermilion (red), RM-644605* (Available in **1/4** and 2 oz. tubes)

> The inks are placed on inking plate for application to stamps.

Paint, Green, KS-8287 (Available in **2 oz. cans)**

Paint, Red, KS-8286 (Available in **2 oz. cans)**

Paint, Stencil, Black (Available in **1/2 and 1-pound** cans)

Paint, Stencil, Orange (Available in **1/2 and 1-pound** cans)

Paint, White, KS-7433 (Available in **2 oz. cans)**

Sandpaper, No. 1

Tetrachloride, Carbon, Commercial (Available in 1-pint cans)

> For cleaning rubber stamps, brushes and surfaces on which marking is placed.

> ***** These numbers indicate Western Electric Company code designations.

2.04   Clean rubber stamps with carbon tetrachloride as often as is necessary to obtain clear impressions and before putting them away.

2.05   Rubber characters that have become detached from the pegs can be replaced as follows:

(1) Clean the surfaces to be joined with carbon tetrachloride.

(2) When the surfaces are dry, apply a thin coating of rubber cement to the back of the stamp and let it dry until tacky.

(3) Apply a thin coating of rubber cement to the top of peg and mount the stamp so that the top of the character is adjacent to the slotted edge of the peg.

(4) Press the stamp until the excess cement is squeezed out.

(5) Allow the cement to harden before using the stamp.

3. CABLE NUMBERS

3.01   Cable numbers (or names of toll and trunk cables, where this method of designation is used) shall be designated by 3/4-inch black characters stamped on the top

of terminal strips located 5 feet or less above the floor and on the bottom of the terminal strips located on the upper portion of the frame. Cable names may be abbreviated where necessary. When the frame is equipped with five-point terminal strips (No. 91 type), 3/8-inch characters shall be used.

Black Ink
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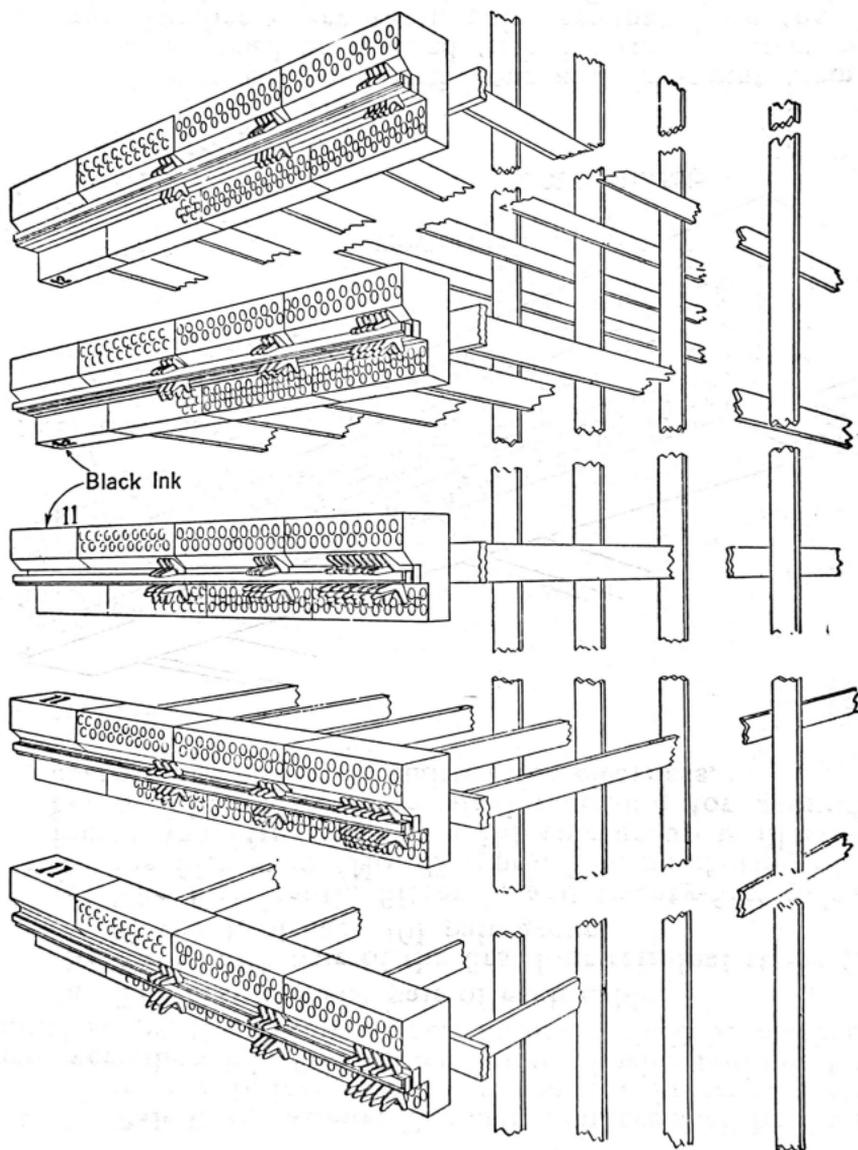
4. MARKING TERMINATIONS

4.01　**Pair Designations:** The pair numbers shall be marked with 3/16-inch characters on the horizontal strips with vermilion ink. On frames equipped with two-point terminal strips, the following pair numbers shall be marked:

(a) The first and last pair of each cable.

(b) Every fifth pair of the first four terminal strips (No. 65 type), of each 101 pair group.

(c) The fifth, tenth, fifteenth, and twenty-first pairs of the fifth strip (No. 82 type). The numbering of the fourth and fifth strips of a 101 pair group is illustrated below. The No. 30A terminal punching for grounding spare pairs has been omitted for clearness.

No. 65 Terminal Strip

Vermilion Ink

No. 82 Terminal Strip
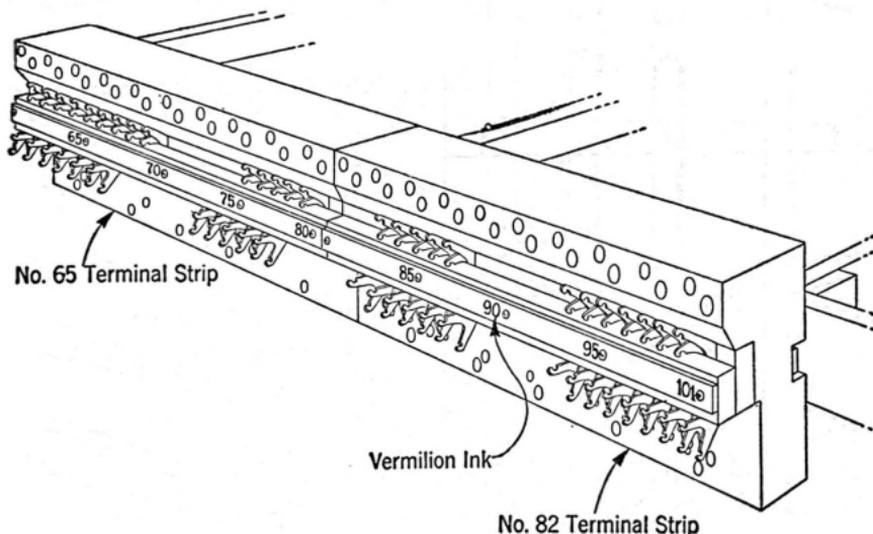
4.02　Frames equipped with four and five-point terminal strips shall be marked with 3/16-inch characters as follows: Number every tenth pair terminated on the first four of each five strips as well as the first and last pairs of the cable. The numbering on the fifth strip is illustrated below. The lugs of the front row of five-point strips which have no cable pair terminations are used in connection with grounding spare conductors in the cable.
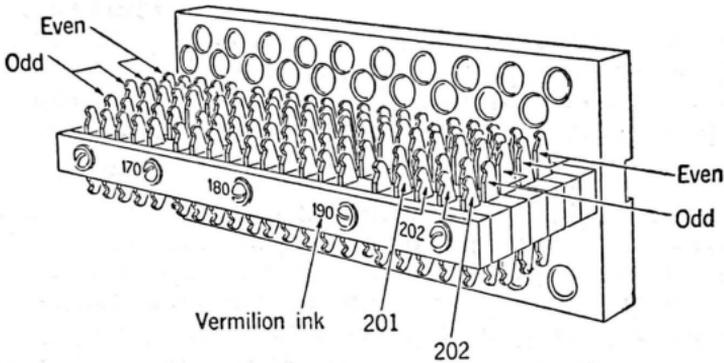
4.03 Quad Designations: Quads need not be designated unless called for in the cable plans. When specified the quadded circuits should be indicated by alternate vermilion and white markings around the holes for the cross-connecting wires. Program pairs shall be designated in all cases by orange paint. The pairs shall be marked with 3/16-inch vermilion characters. The following illustration shows the method of marking quad designations on terminal strips.
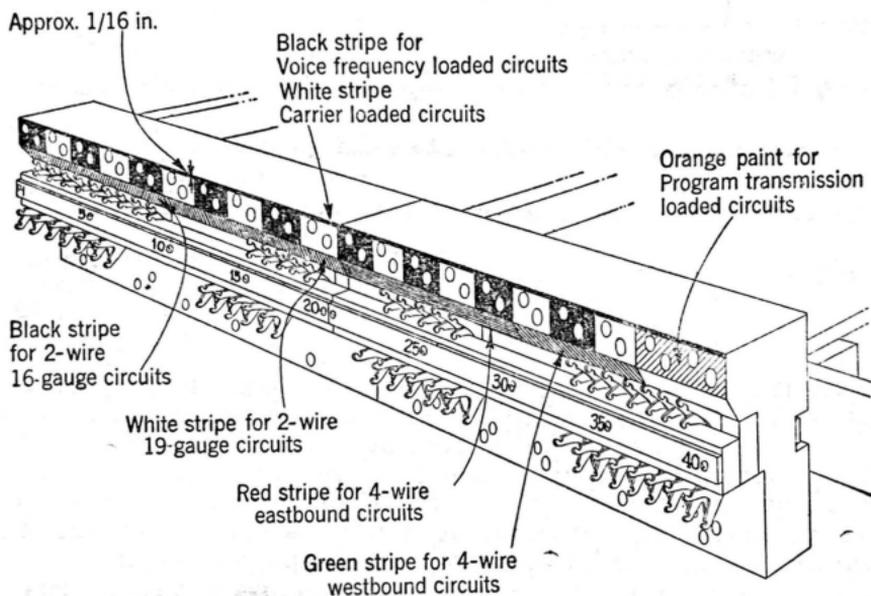
Quad designated
by alternate red and white markings
on the terminal strips
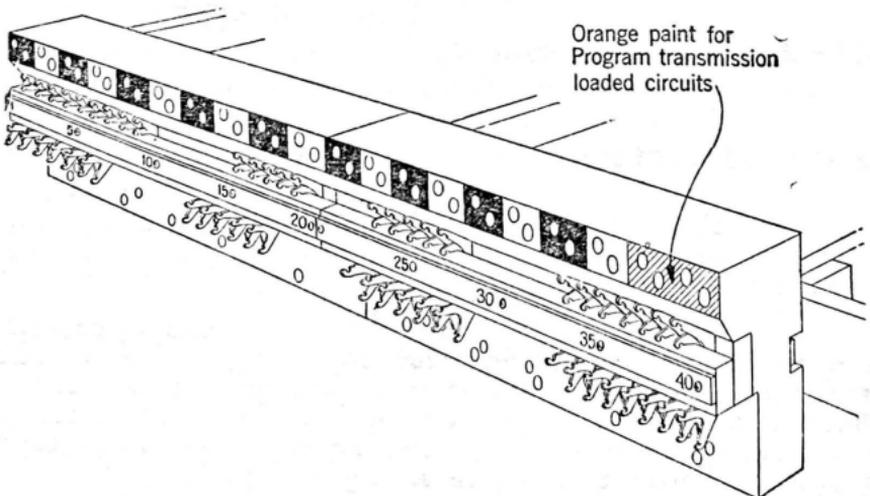
Orange paint for
Program transmission
loaded circuits

4.04   Circuit Designations: Where toll circuit groups are designated, the 2-wire and 4-wire groups should be indicated on the strips by using the following distinguishing colors: black for 2-wire 16-gauge, white for 2-wire 19-gauge, red for 4-wire eastbound circuits and green for 4-wire westbound circuits. The color shall be applied to the strip as indicated below.

Quads designated by
alternate red and white markings
on the terminal strip

Approx. 1/16 in.

Black stripe for
Voice frequency loaded circuits
White stripe
Carrier loaded circuits

Orange paint for
Program transmission
loaded circuits

Black stripe
for 2-wire
16-gauge circuits

White stripe for 2-wire
19-gauge circuits

Red stripe for 4-wire
eastbound circuits

Green stripe for 4-wire
westbound circuits

5. DESIGNATION OF LOADED CIRCUITS

5.01   When frames are marked to indicate loaded circuits, either quadded or non-quadded, a 1/16-inch black stripe for voice-frequency loaded circuits and a 1/16-inch white stripe for carrier loaded circuits should be painted on the strips as indicated in paragraph 4.04.

6. CHANGING MARKINGS

6.01   Remove the old cable numbers, quad, and circuit designations by means of sandpaper or alpha dichlorphydrin. Paint over existing pair designations with black paint. Then apply the new markings as outlined in the preceding paragraphs.