DISTRIBUTING FRAME—SINGLE SIDED 11'-6" HIGH—10" GUARD RAIL WIDTH VERTICALS ON 8" CENTERS EQUIPMENT DESIGN REQUIREMENTS COMMON SYSTEMS

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for a single-sided distributing frame 11'-6" high of 10" guard rail width and with verticals on 8" centers. Equipment included in this specification may be ordered by specifying the code and group numbers covered in part 4.

1.02 This specification is reissued to remove the paragraphs pertaining to the equipment of the line distributing frame in No. 1 crossbar offices, and to limit the specification to framework only. The information removed on this issue is contained in J27058, a new specification covering the various equipment arrangements for the LDF in No. 1 offices.

Description

1.03 The frame is single sided, with the upper portion arranged for eight shelves of 8" horizontal terminal strips and the lower portion for four 1'-1-1/2" vertical terminal strips per vertical.

1.04 To facilitate running cross connections between horizontal and vertical terminal strips from the front of the frame, an open V shape distributing ring, with gray vitreous enamel finish, is used. The ring is of cast metal designed to fasten at both sides with carriage bolts. A small amount of cross connecting is usually required between shelves on the horizontal portion of the frame. At points where such cross connections are brought to a shelf from above, a closed circular ring is substituted for the open V ring. Both types of rings are ordered as required, separate groups being furnished on the assembly drawing for this purpose.

1.05 The frame is provided with a formed steel base of the same width and design used in No. 1 crossbar offices.

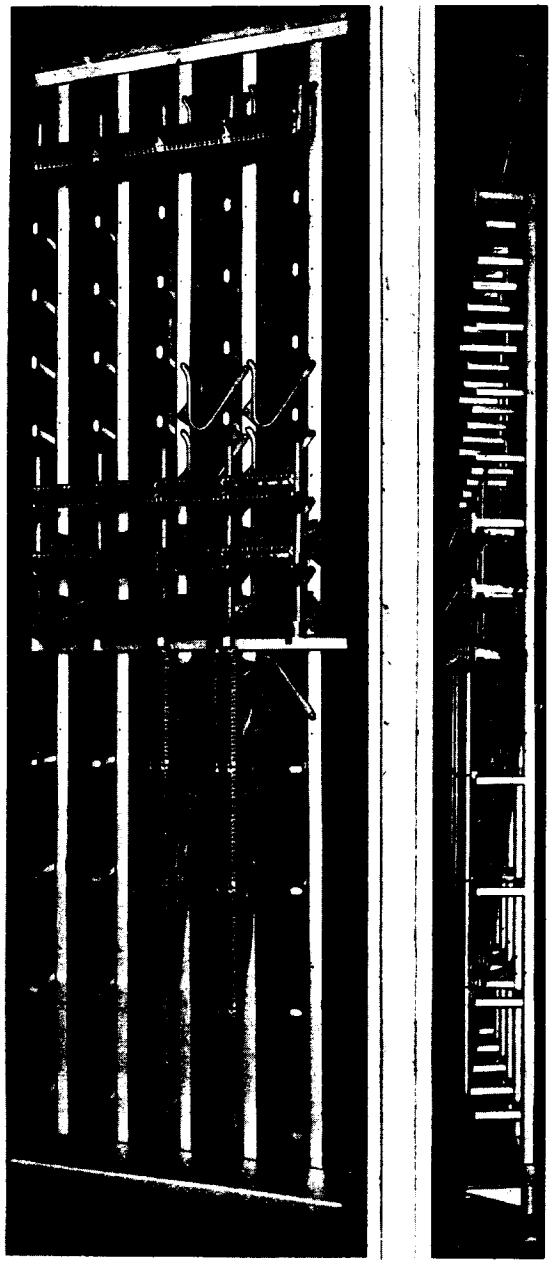

Fig. 1—Distributing Frame with Partially Equipped Vertical and Maximum Pile-up of Jumpers for 10,000 Lines

1.06 The frame specifications are as follows:

Height	11'-6"
Width (single frame)	10" (guard rail width)
Width (2 frames, back to back)	2'-2"
Spacing of verticals	8"
Spacing of shelves on horizontal portion	8"
Distributing rings	V shape cast ring
Closed ring	9A for horizontal jumpers approaching a horizontal shelf from above
Capacity of vertical terminal strips per vertical	200 circuits
Capacity of horizontal terminal strips per bay	200 circuits
No. of shelves and length of horizontal terminal strip	8 shelves arranged for 8" terminal strips
No. and length of vertical terminal strips	4, 1'-1-1/2" terminal strips per vertical
Support of frame	Low-type auxiliary framing as used for No. 1 crossbar frames
Numbering of frame	Frame may number in either direction

Subdivision of Equipment

ED-91519-01—Assembly

2. SUPPLEMENTARY INFORMATION

800-600-000—List of General Equipment Requirement Sections

801-000-000—Equipment Design and General Equipment Requirements and Engineering Information—Common Systems

J25551—816-040-150—817-060-150 — 818-080-150—End Guard

J25552—AA240.003—Frame Lighting and Appliance Outlets

J27054—816-044-151—817-064-151—Traffic Register Equipment—No. 1 and Tandem Crossbar Systems

J27057—816-021-150—Message Register Distributing

Frame—Crossbar System No. 1
J27058—816-020-150—LDF—No. 1 Crossbar Offices
J62601—818-082-150—Traffic Register Equipment—Toll Switching System No. 4
J67420—AA261.414—Trunk Assignment Distributing Frame—Toll Switching System No. 4

Floor Plan Data—Section 9.4, Sheet 4—LDF—No. 1 Crossbar Offices; Sheet 5—TRDF—No. 1 Crossbar, Crossbar Tandem, and Toll Switching System No. 4; Section 10.4, Sheet 2—Trunk Assignment DF—Toll Switching System No. 4

3. DRAWINGS

Assembly and Cabling

ED-25341-01—Switchboard Cabling Plan for LDF and Traffic Register Distributing Frame
ED-26337-01—Switchboard Cabling Plan for Message Register Distributing Frame
ED-68082-01—Switchboard Cabling Plan for Trunk Assignment Distributing Frame
ED-90046-01—Mounting of 33-type Connecting Blocks
ED-91315-01—Support of 7F Buzzer
ED-91519-01—Assembly

Frame Equipment

ED-25343-01—LDF—Sleeve and Message Register Jumper
ED-25362-01—TRDF—No. 1 Crossbar Offices
ED-25778-01—TRDF—Crossbar Tandem Offices
ED-26336-01—LDF—Sleeve Jumper Only
ED-26338-01—MRDF—No. 1 Crossbar Offices
ED-68081-01—Trunk Assignment DF—Toll Switching System No. 4
ED-68136-01—TRDF—Toll Switching System No. 4

4. EQUIPMENT

ED-91519-01—Assembly

Group 1—Unit of five verticals—originating unit, when cabled from above
Group 2—Unit of four verticals—supplementary unit, when cabled from above
Group 3—Adapter details for mounting end guard at left end of frame
Group 4—Adapter details for mounting end guard at right end of frame
Group 5—Unit of five verticals—originating unit, when cabled from below
Group 6—Unit of four verticals—supplementary unit, when cabled from below
Group 7—Guard rail cover plate between two originating units back to back
Group 8—Guard rail cover plate between two supplementary units back to back
Group 9—Cast iron V-type distributing ring with mounting bolts and nuts
Group 10—One closed-type distributing ring with mounting bolt and nut

5. GENERAL NOTES

Terminal Strips

5.01 The frame is arranged for 211-type terminal strips—25 rows of punchings—in the upper or horizontal portion of the frame, and for the 210 type—50 rows—in the lower or vertical portion.

Floor Plan Arrangement

5.02 The frame may be used in a single lineup, or two lines of frames may be placed back to back so as to permit jumpering between them. In the latter case, a sheet-metal plate is furnished on top of the rear guard rails as a cover for the 6" gap between the two frames.

Test Jack Equipment

5.03 Miscellaneous jacks are accommodated in 224A jack mountings protected by 40A shields. These mount between the bottom shelf and the top terminal strips and are located and equipped as required by the particular application.

Connecting Blocks

5.04 33-type connecting blocks clamped on the terminal strips are furnished as required as a source of battery and ground for testing purposes.

Distributing Frame Wire

5.05 Distributing frame wire is furnished only when ordered by the Telephone Company.

5.06 ***Closed distributing rings***—9A—as shown on the line distributing frame cabling drawing, shall be ordered as required where jumpers approach a horizontal shelf from above. To minimize the number required, these rings should be associated with or located in the immediate vicinity of

miscellaneous terminal strips to which horizontal jumpers terminate.

Cabling

5.07 The arrangement of cable runs entering the frame and the method of running, placing, butting, and fanning of cables within the frame are covered on the switchboard cabling plan drawings.