

**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.

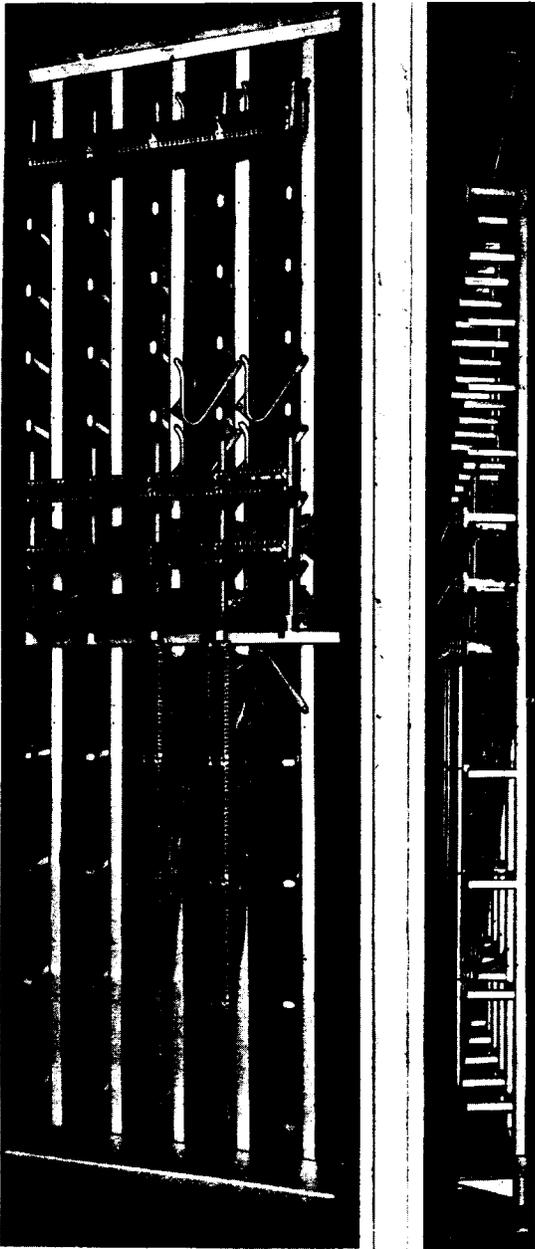


Fig. 1—Distributing Frame with Partially Equipped Vertical and Maximum Pile-up of Jumpers for 10,000 Lines

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.

butting, and fanning of cables within the frame are covered on the switchboard cabling plan drawings.

Cabling

5.07 The arrangement of cable runs entering the frame and the method of running, placing,

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