

**OUTGOING TRUNK FRAME
(OGT TO NO. 1 ESS IN SAME BUILDING)
EQUIPMENT DESIGN REQUIREMENTS**

STEP-BY-STEP SYSTEMS

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the framework, equipment and circuits to be used in the engineering, manufacture and installation of outgoing trunk frames required to carry interlocal traffic between a step-by-step office and an ESS No. 1 office in the same building.

Capacity

1.02 The outgoing trunk frame accommodates 27 units of twenty trunks each, a plate of associated miscellaneous equipment, and 48-volt fuse equipment to serve the frame.

Description

1.03 The trunk provides a sleeve holding ground for a preceding step-by-step switch train when the call is to be completed through an ESS No. 1 office in the same building.

1.04 The outgoing trunk frame is illustrated in Fig. 1. It uses framework 2-feet, 5/8-inches wide and 11-feet, 6-inches high, having bulb angle uprights and a sheet metal base assembly 10 inches wide.

1.05 The individual trunk units are 4 inches high and employ 23-inch mounting plates. The plates are surface wired. Each trunk

consists of a single wire spring relay and an associated test and make-busy jack.

1.06 The frame is provided with a frame local cable to interconnect 10 frame terminal strips mounted on two bars at the top of the frame serving all of the 540 trunk jacks associated with the 27 units. Miscellaneous alarm leads, talk line leads, and battery supply "L" leads are also included in the cable.

1.07 A fuse panel at the bottom of the frame provides two fuses and ground termination for each 20-trunk unit, as well as alarm and test battery supply and a fuse alarm lamp.

1.08 Trunks on the frame will be numbered from one to 20 on each unit, and the units from one to 27 reading from bottom to top. To transpose from these designations to actual trunk numbers, and to provide fusing information, backward tracing to the step-by-step office, and forward tracing to the ESS office, a trunk record book stored in a convenient well in the guardrail, has been provided.

Floor Plan Arrangement

1.09 The preferred location of the outgoing trunk frame is as close as practical to its associated step-by-step distributing frame. When these frames are aligned with step-by-step frames of different width, appropriate junction details must be provided.

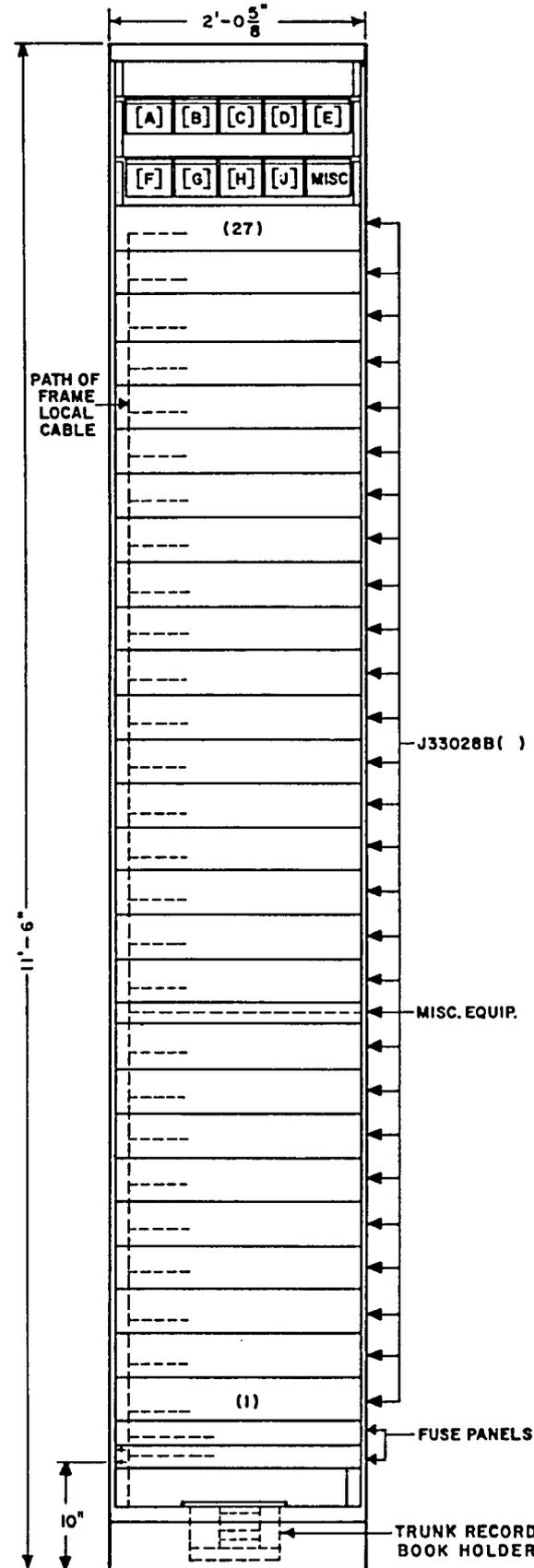


Fig. 1 - Outgoing Trunk Bay

2. SUPPLEMENTARY INFORMATION

814-000-000 - Step-by-Step Systems Index
 AA128.006 - Checking List - General Equipment Requirements
 J39206 (814-005-150) - No. 1 and 350A Offices - General
 Floor Plan Data - Section 5.2, Sheet 71
 Current Drain Data:
 SD-31359-02 - (No. 1 Office)
 SD-31364-02 - (No. 350 Office)

3. DRAWINGS

WECo J drawings should be ordered by referring to the prefix and base number and the current (-) number.

Keysheets

SD-31359-01 - No. 1 Office
 SD-31364-01 - No. 350 Office

Circuits

SD-32524-01 - Trunk Circuit
 SD-32526-01 - Miscellaneous Circuit

Framework

ED-91710-73 - Frame Assembly

Wiring and Cabling

ED-30747-01 - General Switchboard Cabling Practices
 ED-30781-10 - Method Of Running Power Feeders
 ED-32343-() - Switchboard Cabling Plan And Details

4. EQUIPMENT

J33028A (AT&TCo Std) - Outgoing Trunk Frame to No. 1 ESS in Same Building

Equipment - J33028A-()

List 1 - Framework, assembly, wiring, and equipment for one outgoing trunk frame from step-to-step office to ESS No. 1 office in the same building. Arranged to mount 27 units of twenty trunks each.

	Wire	Equip	See Note
Trunk Circuit			
SD-32524-01, Fig. 2	540	0	A
Miscellaneous Circuit			
SD-32526-01, Fig. 1	54	54	
Fig. 2, 3, 4	1	1	

Notes

A. This bay is arranged to mount 27 units per J33028B-().

J33028B (AT&TCo Std) - Outgoing Trunk Unit to No. 1 ESS in Same Building

Equipment - J33028B-()

List 1 - Equipment, assembly, and wiring for one unit of twenty trunks from step-by-step to ESS No. 1 office in the same building, per SD-32524-01, Fig. 1 and 2.

5. GENERAL NOTES

5.01 This equipment has been designed to provide intrabuilding trunking between No. 1 ESS units and step-by-step units. Tie cables will be used to interconnect the trunks between respective distributing frames. Provision of these trunks in the step-by-step office avoids a modification in the No. 1 ESS unit that is required only on an interim basis.

5.02 In the event that the office is converted completely to No. 1 ESS, consideration can be given to re-use of the frames.

5.03 Because of the large number of trunks located in each bay, it was found impractical to provide designations on the equipment. Each bay will be shipped with a trunk record book that will supply complete forward and backward tracing, and fuse assignment for each trunk.

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