

**OUTGOING SENDER LINK FRAME  
FOR USE WITH LINE LINK PULSING  
EQUIPMENT DESIGN REQUIREMENTS  
NO. 1 CROSSBAR SYSTEM**

**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 the outgoing sender link frame for use with line link pulsing.

**1.02** This specification is issued to provide information for new outgoing sender link frame for line link pulsing in accordance with SD-27757-01, Issue 1.

**Capacity**

**1.03** The outgoing sender link frame is arranged to mount a maximum of 12, 200 point 6-wire crossbar switches, each having a capacity to serve 20 line circuits, the frame therefore can serve a total of 240 line circuits.

**Description**

**1.04** The outgoing sender link frame for line link pulsing is arranged for connecting outgoing senders to line circuits, such as direct

inward dialing or automatic intercept service circuits, terminated on a line link frame. The outgoing senders are on the switch horizontals and the line circuits are on the verticals. The switchboard cables to the senders and line circuits are terminated directly on the crossbar switches. All line circuits on a given switch must be in the same line choice and a maximum of six switches (120 line circuits) may be associated with a given line choice. Any of the 120 line circuits of a line choice, associated with the same sender group, may be reassigned to any of the four line link frames of the line choice by means of distributing frame cross-connections. One switch may contain only one type pulsing and one sender group. A sender group consists of ten or less senders of the same type. When more than ten senders of a particular type of pulsing are required, two sender groups of approximately equal size shall be started initially. The senders on the horizontal levels of one switch are divided in two subgroups of five or less senders each. The A subgroup consists of the senders on the lower five levels and the B subgroup those on the upper five levels. These two subgroups are assigned to A and B connectors, respectively, on the same outgoing sender connector frame.

**Subdivisions of Equipment and Detailed Index**

WECO J drawings shall be ordered by referring to the prefix and base number and requesting the current dash (—) number.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING
J27557A	AT&TCo Std	Outgoing Sender Link Frame	J27557A-( )	SD-27757-01
J27557AA	AT&TCo Std	Outgoing Sender Link Fuse and Network Unit	J27557AA-( )	SD-27769-01

**2. SUPPLEMENTARY INFORMATION**

816-000-000 — Numerical Index

**3. DRAWINGS**

For additional drawings forming a part of this specification see listings under Subdivisions of Equipment and Detailed Index.

**Keysheet**

SD-25000-01 — Crossbar System No. 1

**4. EQUIPMENT**

**J27556A (AT&TCo Std) — Outgoing Sender Link Frame**

Equipment — J27556A-( )

**List 1** — Framework, assembly, wiring, and equipment for one outgoing sender link frame.

	WIRE	EQUIP
Outgoing Sender Link Circuit SD-27757-01:		
Sender Link Switch, Fig. 1	12	—
Contact Protection, Fig. 2	6	—
Misc. Circuit, SD-27769-01, Fig. 1	1	1
Fuse and Network Unit J27557AA-( )	One List 1	

**List 2** — Equipment required in addition to list 1 for each 20 or less line link pulsing line circuits to be served.

EQUIP

Outgoing Sender Link Ckt, SD-27757-01: Sender Link Switch, Fig. 1	1
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**Notes**

- A. Reserved.
- B. The switches on the outgoing sender link frame shall be equipped from the bottom up.
- C. The crossbar switch of SD-27757-01, Fig. 1 shall be provided with all 20 verticals strapped horizontally.
- D. The frame local cable shall contain the battery and ground leads for 12 switches and the miscellaneous circuit leads. The line circuits and sender switchboard cables and multiples to other frames are terminated directly on the switches by the installer. The sender multiple between switches shall be in separate local cables.

**J27557AA (AT&TCo Std) — Outgoing Sender Link Fuse and Network Unit**

Equipment — J27557AA-( )

**List 1** — Assembly, wiring, and equipment for one fuse and network unit.

	WIRE	EQUIP
Misc Circuit, SD-27769-01, Fig. 2, 3	1	1
Outgoing Sdr Link Ckt, SD-27757-01, Fig. 2	—	6

**Note**

- A. Reserved.

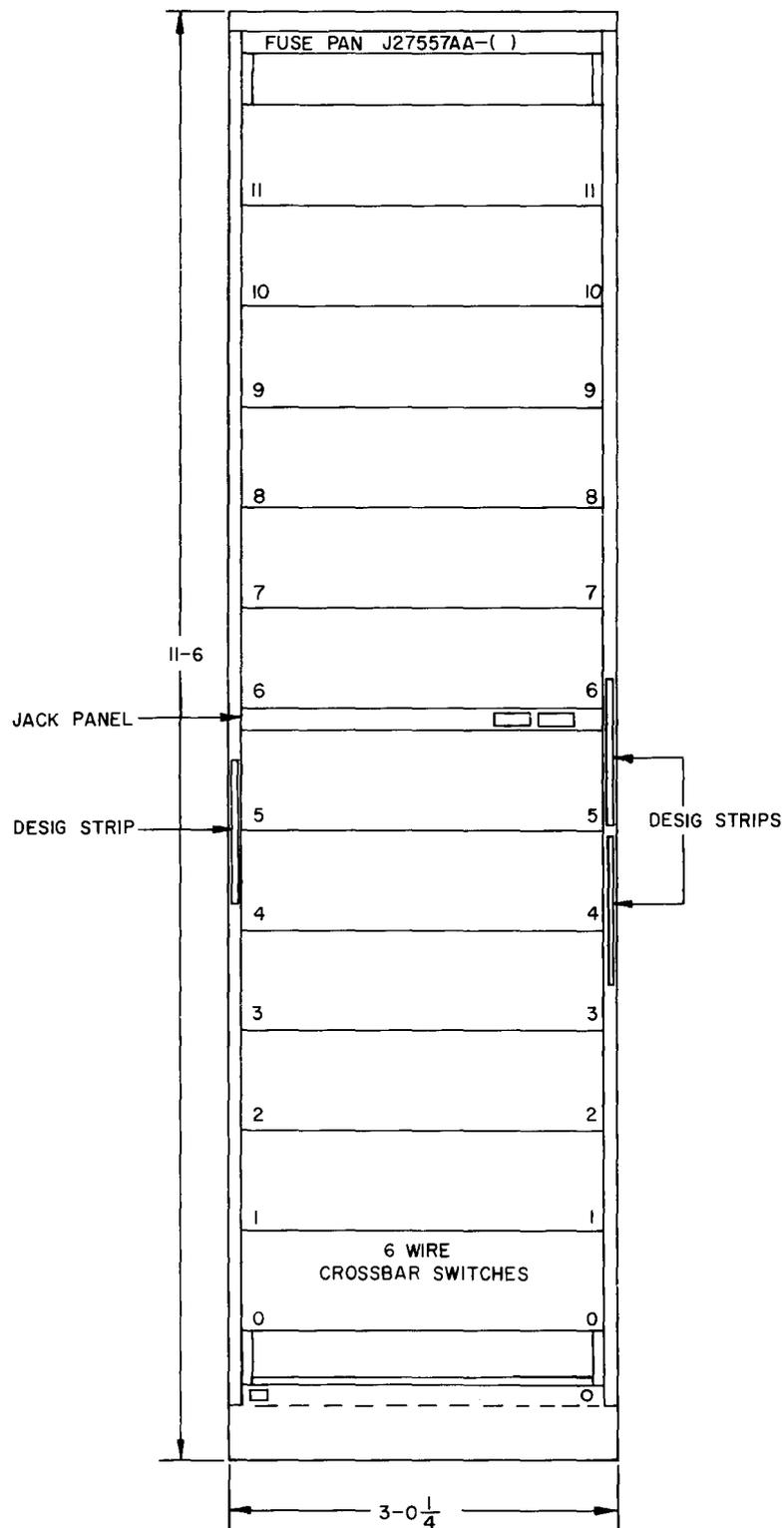


Fig. 1 - Outgoing Sender Link Frame

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